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

!				
÷		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.

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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	ŕ	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%

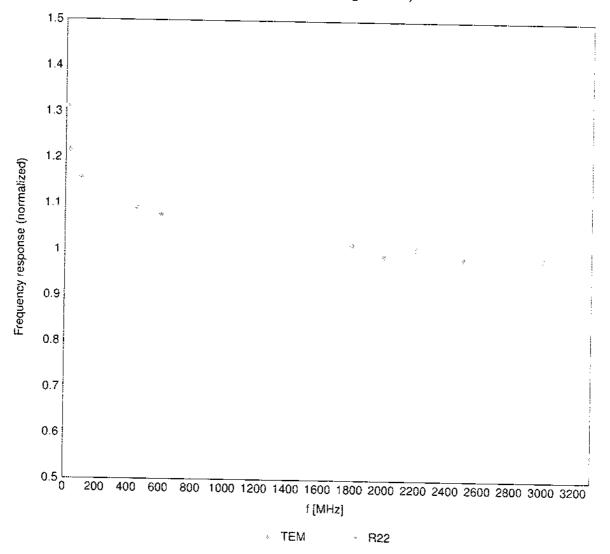
^C Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration

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%.

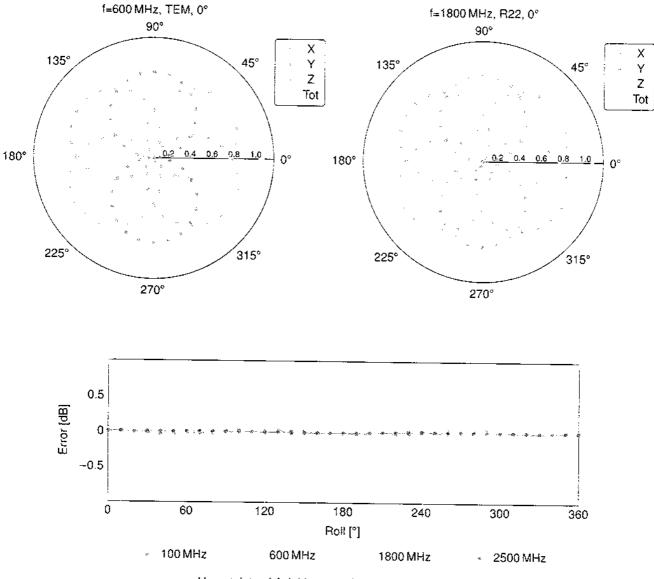
G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3-6 GHz; and below ±4% for frequencies between 6-10 GHz at any distance larger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

Frequency Response of E-Field

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

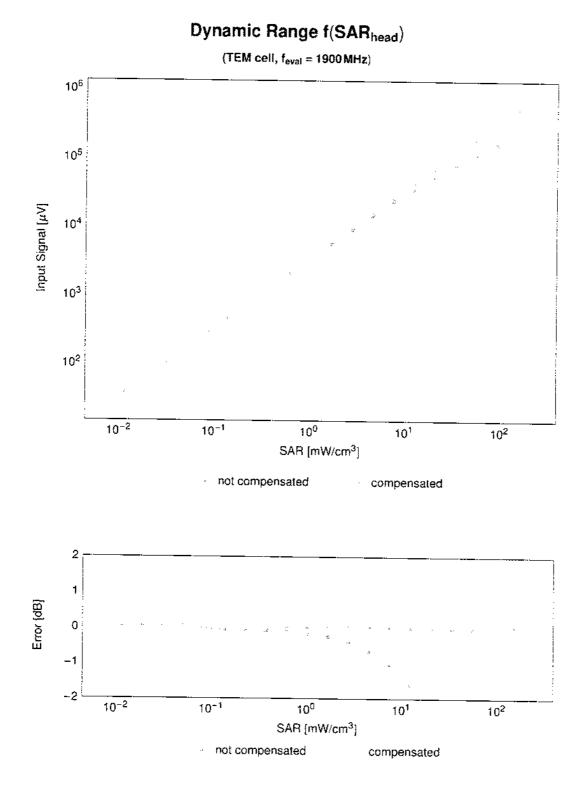


Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ (k=2)



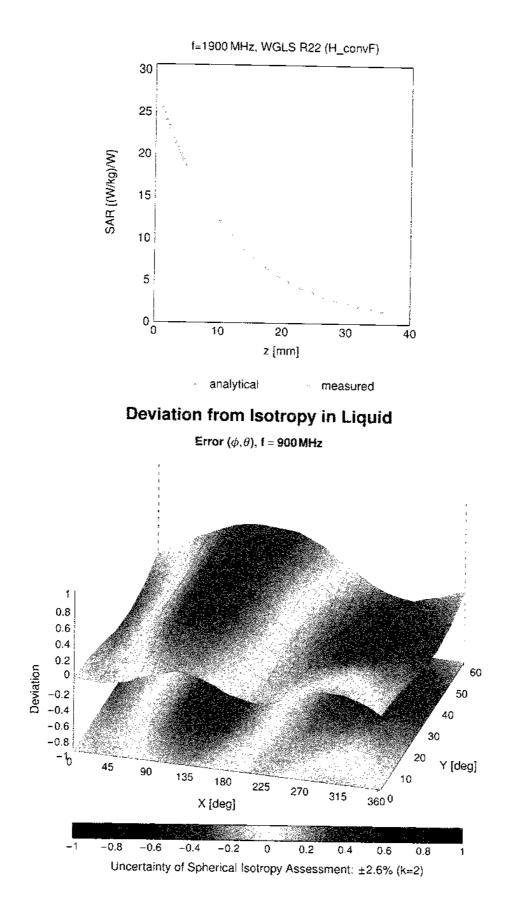
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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					
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>÷</u> 9.6
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)	LTE-TDD	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_55Mbps_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-CAM, UL Subframe-2,3,4,7,8,9) AAD LTE-TDD (SC-FDMA, 50% RB, 5,1,1,1,16-CAM, UL Subframe-2,3,4,7,8,9) AAG LTE-TDD (SC-FDMA, 50% RB, 5,1,1,1,16-CAM, UL Subframe-2,3,4,7,8,9) AAG LTE-TDD (SC-FDMA, 50% RB, 10,1,1,1,16-CAM, UL Subframe-2,3,4,7,8,9) AAG LTE-TDD (SC-FDMA, 50% RB, 10,1,1,1,1,1,2,0,1,1,1,1,1,1,1,1,1,1,1,1	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 milite, model, sope dely cycle)	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> 29.6
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 802.11ax (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	7.93	±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. 0.1. , 00 /0110, 00 /0112, QESN, 30 KHZ)	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 TDD	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 OAM, 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

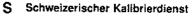
^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Calibration Laboratory of Schmid & Partner

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Zeughausstrasse 43, 8004 Zurich, Switzerland





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Multilateral Agreement for the recognition of calibration certificates

Accreditation	No.:	SCS	0108

Client Eleme	ent	Certificate No	EX-7640_Feb23
CALIBRATI	ON CERTIFICATE		실무자 기술책임자
Object	EX3DV4 - SN	N:7640	The fritzers
Calibration procedu	QA CAL-25.v	v10, QA CAL-12.v10, QA CAL-14 v8 rocedure for dosimetric E-field pro	
Calibration date	February 10,	2023	
the measurements	and the uncertainties with confic	/ to national standards, which realize the phy dence probability are given on the following p uboratory facility: environment temperature ()	bages and are part of the certificate.
	ent used (M&TE critical for calibra		$<2 \pm 3$) \sim and humidity < 70%.
Primary Standards		Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	

			Scheduled Galibration
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	06-Jan-23 (No. ES3-3013_Jan23)	Jan-24

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E44198	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	
Approved by	Sven Kühn	Technical Manager	
This calibration certificate shall	not be reproduced except in full	without written approval of the i	Issued: February 10, 2023 laboratory.

Calibration Laboratory of

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





S

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Accreditation No.: SCS 0108

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Glossarv

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx, y, z: Assessed for E-field polarization $\vartheta = 0$ ($t \le 900$ MHz in TEM-cell; t > 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 ± 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 $(\mu V/(V/m)^2)^A$	0.69	0.69	0.72	±10.1%
DCP (mV) B	109.1	109.5	110.0	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A	B	С	D	VR	Max	Max
			dB	dBõV		dB	mV	dev.	UncE
·						F			k = 2
0		Х	i	0.00	1.00	0.00	170.5	±3.3%	±4.7%
		Y	0.00	0.00	1.00		155.4	,	
		Z	0.00	0.00	1.00		173.4	-6	
10352	Pulse Waveform (200Hz, 10%)	X	1.57	60.89	6.85	10.00	60.0	±4.2%	±9.6%
		Y	1.57	60.79	6.18	1	60.0	1	
10050		Z	1.73	61.87	7.56		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	0.89	60.00	5.42	6.99	80.0	±3.1%	±9.6%
		Y	0.90	60.00	4.87		80.0		
10051		Ţ Z _	0.86	60.00	5.61		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	0.51	60.00	4.29	3.98	95.0	±1.9%	±9.6%
		Ϋ́	0.54	60.00	3.89		95.0		
10000		Z	4.00	68.00	7.00		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	11.61	154.24	6.22	2.22	120.0	±1.9%	±9.6%
		Y	15.67	108.48	2.15		120.0		
		Z	12.42	151.22	5.72		120.0		
10387	QPSK Waveform, 1 MHz	X	0.54	61.63	10.32	1.00	150.0	±5.0%	±9.6%
		Y	0.63	63.89	11.83		150.0		
		Z	0.66	61.87	10.30	ļ	150.0		
10388	QPSK Waveform, 10 MHz	X	1.23	63.70	12.64	0.00	150.0	±1.5%	±9.6%
		Ŷ	1.38	65.50	13.68		150.0		
		Z	1.30	63.32	12.43		150.0		
10396	64-QAM Waveform, 100 kHz	X	1.76	65.18	16.19	3.01	150.0	±0.8%	±9.6%
		Y	1.87	66.15	16.51	+	150.0		
1000		Z	1.86	65.57	16.17		150.0	ſ	
10399	64-QAM Waveform, 40 MHz	X	2.71	65.20	14.29	0.00	150.0	±2.8%	±9.6%
		Y	2.85	66.18	14.87	ŀ	150.0		
		Z	2.76	64.96	14.11	Ì	150.0	;	
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.94	65.77	15.02	0.00	150.0	±5.2%	±9.6%
		Y	3.90	65.82	15.10	ł	150.0		
		Z	4.09	65.61	14.95	ŀ	150.0	İ	

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%.

- E 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.

 $[\]frac{A}{2}$ The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).

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
_ × _	12.4	87.70	32.07	6.62	0.00	4.97	0.64	0.00	1.01
у	11.7	82.13	31.67	7.56	0.00	4.90	0.73	0.00	1.00
_ Z	15.1	106.97	32.24	5.76	0.00	4.99	0.87	0.00	1.00

Other Probe Parameters

ensor Arrangement	Triangular
onnector Angle	
echanical Surface Detection Mode	145.6°
ptical Surface Detection Mode	enabled
robe Overall Length	disabled
robe Body Diameter	337 mm
p Length	10 mm
p Diameter	9mm
robe Tip to Sensor X Calibration Point	2.5 mm
robe Tip to Sensor Y Calibration Point	1 mm
obe Tip to Sensor Z Calibration Point	<u>1 mm</u>
	<u>1 mm</u>
ecommended Measurement Distance from Surface	1

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	10.91	10.91	10.91	0.44	0.87	±12.0%
835	41.5	0.90	10.56	10.56	10.56	0.30	1.10	±12.0%
1750	40.1	1.37	9.23	9.23	9.23	0.32	0.86	±12.0%
1900	40.0	1.40	8.82	8.82	8.82	0.33	0.86	±12.0%
2300	39.5	1.67	8.91	8.91	8.91	0.29	0.90	±12.0%
2450	39.2	1.80	8.64	8.64	8.64	0.31	0.90	±12.0%
2600	39.0	1.96	8.42	8.42	8.42	0.38	0.90	±12.0%
3500	37.9	2.91	7.44	7.44	7,44	0.35	1.30	±14.0%
3700	37.7	3.12	7.39	7.39	7.39	0.35	1.35	±14.0%
3900	37.5	3.32	6.88	6.88	6.88	0.40	1,60	±14.0%

Calibration Parameter Determined in Head Tissue Simulating Media

^C Frequency validity above 300 MHz of \pm 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to \pm 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 \pm 110 MHz.

assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz. The probes are calibrated using tissue simulating liquids (TSL) that deviate for ε and σ by less than $\pm 5\%$ from the target values (typically better than $\pm 3\%$) and are valid for TSL with deviations of up to $\pm 10\%$. If 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 [#] (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
750	55.5	0.96	10.92	10.92	10.92	0.45	0.80	±12.0%
835	55.2	0.97	10.65	10.65	10.65	0.40	0.80	±12.0%
1750	53.4	1.49	9.32	9.32	9.32	0.34	0.86	±12.0%
1900	53.3	1.52	9.00	9.00	9.00	0.33	0.86	±12.0%
2300	52.9	1.81	9.00	9.00	9.00	0.40	0.90	±12.0%
2450	52.7	1.95	8.92	8.92	8.92	0.27	0.90	±12.0%
2600	52.5	2.16	8.64	8.64	8.64	0.31	0.90	±12.0%
3500	51.3	3.31	7.02	7.02	7.02	0.40	1.30	±14.0%
3700	51.0	3.55	6.82	6.82	6.82	0.40	1.30	±14.0%
3900	50.8	3.78	6.34	6.34	6.34	0.40	1.70	±14.0%

Calibration Parameter Determined in Body Tissue Simulating Media

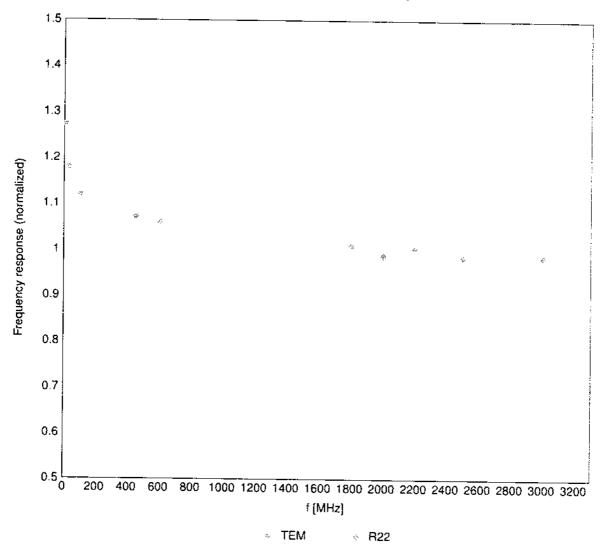
C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 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. 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 ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz,

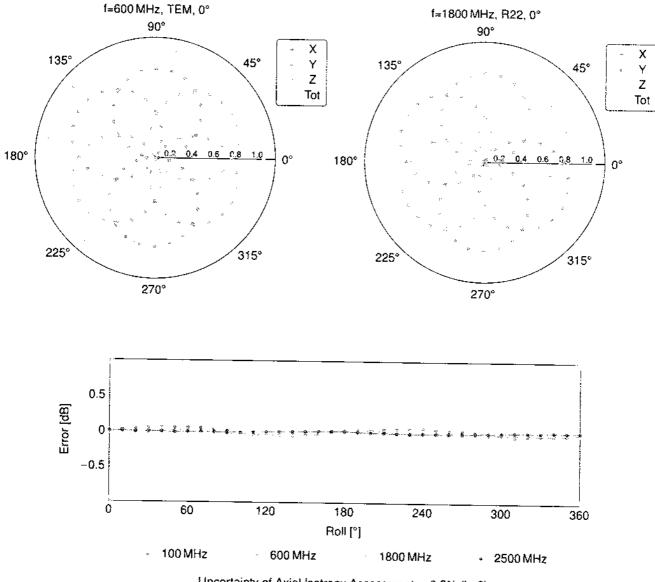
G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

Frequency Response of E-Field

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

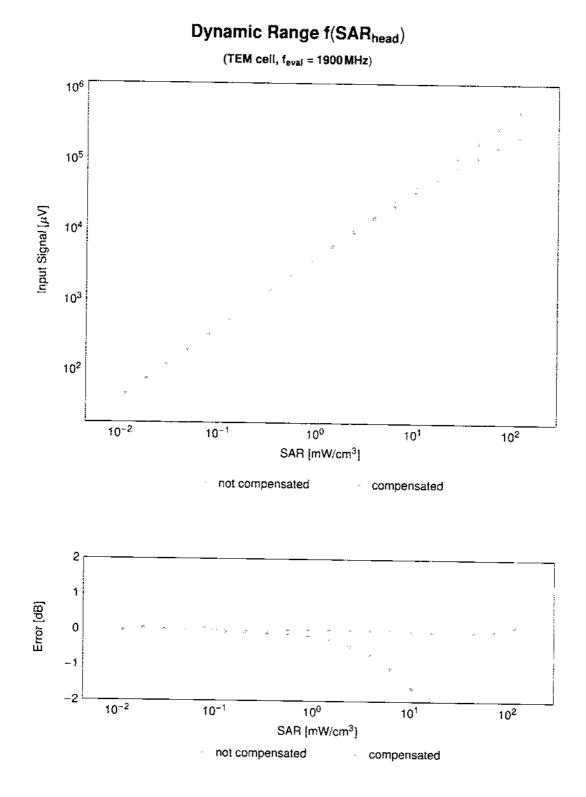


Uncertainty of Frequency Response of E-field: ±6.3% (k=2)



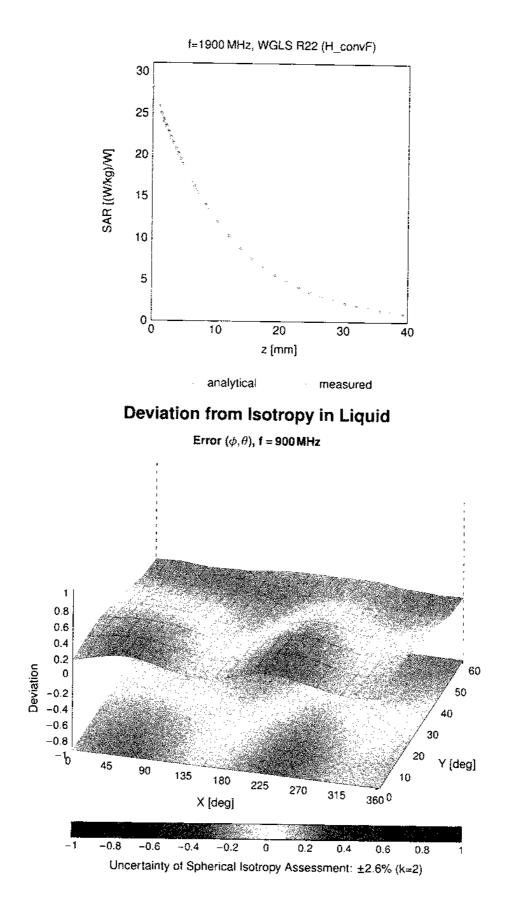
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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



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





Appendix: Modulation Calibration Parameters

	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
	<u> </u>	CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	··
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		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	· · · · · · · · · · · · · · · · · · ·	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Biuetooth	1.87	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)		1.16	<u> </u>
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DOPSK, DH3)	Bluetooth	7,74	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	4.53	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	3.83	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	8.01	<u>±9.6</u>
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	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	CDMA2000	4.57	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	7.78	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	AMPS	0.00	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	13.80	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	DECT	10.79	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	TD-SCDMA	11.01	±9.6
10059	CAB	1555 202 115 M(5) 0 4 CU- (2000 0)	GSM	6.52	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10061	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10062	CAD	IEEE 802.116 WIFI 2.4 GHz (DSSS, 11 Mops)	WLAN	3.60	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10064		IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10065		IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
		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	EEE 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		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	EEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CA8	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	
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		±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	6.56	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	3.98	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)		9.55	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FOD	5.67	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)		. 6.42	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	6.60	±9.6
	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)		9.29	±9.6
		LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
		LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TOD	10.01	±9.6
	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FOD	5.80	±9.6
i	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	6.43	±9.6
	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	5.75	±9.6
			LTE-FOD	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	19.6
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	<u>19.6</u>
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-FOD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147		LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149 10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH		LTE-TDD	9.28	±9.6
10152	CAH	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153		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-FOD	5.75	±9.6
10155		LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FOD	6.43	±9.6
10155	CAH CAH		LTE-FDD	5.79	±9.6
10158		LTE-FOD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAF	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
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FOD (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, QPSK)	LTE-FDD	5.46	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FOD	6.79	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FOD	5.73	±9.6
10171	AAF	LTE-FOD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FOD	6.52	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.49	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TOD	9.21	±9.6
10174	CAH	LTE-TDD (SC-FOMA, 1 RB, 20 MHz, 64-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	5.72	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	6.52	±9.6
10178	CAH	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 (SC-FDMA, 1 RB, 5MHz, 64-QAM)	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-FOMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	6.50	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-FDD	6.51	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	6.50	<u>±9.6</u>
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		IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)		6.50	±9.6
10194		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		IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.21	±9.6
10197		IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.10	±9.6
10198		IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.13	±9.6
10219		IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.27	±9.6
10220		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		IEEE 802.11n (HT Mixed, 15 Mbps, 8PSK)	WLAN	8.27	±9.6
10223		IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.06	±9.6
		Contraction of the second seco	WLAN	8.48	±9.6
	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

	Hev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10225		UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TOD	9.49	±9.6
10227		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TOD	10.26	±9.6
10228		LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	- · ·	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230		LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10231	CAE		LTE-TDD	9.19	±9.6
10232		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	· · · · · · · · · · · · · · · · · · ·	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TOD	9.21	±9.6
10235			LTE-TOD	9.48	±9.6
10236			LTE-TOD	10.25	±9.6
10237	CAH		LTE-TOD	9.21	<u>÷9.6</u>
10238		LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	+	LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-TOD	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-TOD (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-TOD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TOD	10.06	±9.6
10246	CAE		LTE-TDD	9.30	±9.6
10247	CAH		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-TOD	9.29	±9.6
	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TOD	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	9.24	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TOD	9.90	±9.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
<u> </u>	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TOD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	a set te e canad coordenal transmit, de divi	LTE-TDD	9.34	±9.6
10259		LTE-TOD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260		LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAE CAH	LTE-TOD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-TOD	9.24	±9.6
10262		LTE-TDD (SC-FOMA, 100% RB, 5MHz, 16-QAM)	LTE-TOD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TOD	10.16	±9.6
10265	CAH	LTE-TOD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10267	CAH	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TOD	10.07	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TOD	9.30	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TOD	10.06	±9.6
10209	CAG	LTE-TOD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	LTE-TDD	9.58	±9.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	4.87	±9.6
10273	CAA	PHS (QPSK)	WCDMA	3.96	±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	11.81	±9.6
10279	AAB	CDMA2000, RC1, SO55, Full Rate	PHS	12.18	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.91	±9.6
10292	AAB	CDMA2000, RC3, SO35, Full Rate	CDMA2000	3.46	±9.6
10293	AAB	COMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10295	AAB	CDMA2000, RC1, SO3, Full Rate CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	3.50	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	CDMA2000	12.49	±9.6
10298	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	5.72	±9.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-DAM)	LTE-FDD	6.39	±9.6
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC)	LTE-FDD	6.60	±9.6
10302	AAA	IEEE 802.166 WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC) IEEE 802.166 WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.03	±9.6
10303	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.57	£9.6
10304	AAA	IEEE 802.16e WIMAX (31.13, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	<u>±9.6</u>
10305	AAA	IEEE 802.16e WIMAX (23.16, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.86	±9.6
10306	AAA	IEEE 802 16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	±9.6
10000	7001	TELE 002 TOE WIMAA (29.18, TOTHS, TOTHS, TOTHAZ, 640AM, PUSC, 18 symbols)	WiMAX	14.67	±9.6

	Hev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10307	_i	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WIMAX	14,49	±9.6
10308		IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WIMAX	14,46	±9.6
10309		IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WIMAX	14.58	±9.6
10310	_ [IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX	14.57	±9.6
10311		LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313		IDEN 1:3	IDEN	10.51	±9.6
10314		IDEN 1:6	IDEN	13.48	±9.6
10315		IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316		IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	-	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352		Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353		Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	÷	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355		Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356		Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387		QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10368		QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396		64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399		64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400		IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	19.6
10401	AAE	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WEAN	8.60	±9.6
10402	AAE	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10405	AA8 AAH	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	1	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TOD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	<u>+</u> 9.6
10418	AAC	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10419	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
10419	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
10423	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
10425	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10426	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.41	±9.6
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.45	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	WLAN	8.41	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FOD	8.38	±9.6
10433	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FOD	8.34	±9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	LTE-FDD	8.34	±9.6
10435	AAG	TETDD (SC EDMA 1 PR 2000/ 1/ 0 1/	WCDMA	8.60	±9.6
10407	AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2.3,4.7,8,9) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.82	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FOD	7.56	±9.6
10449	AAD	LTE-FDD (OFDMA, 10 MHz, E-1M 3.1, Clippin 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	±9.6
10450	AAD	LTE-FOD (OFDMA, 13 MHz, E-1M 3.1, Clipping 44%) LTE-FOD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	LTE-FDD	7,48	±9.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	WCDMA	7.59	±9.6
10456	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	Test	10.00	±9.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WLAN	8.63	±9.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WCDMA	6.62	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	6.55	±9.6
10460	AAB	UMTS-FOD (WCDMA, AMR)	CDMA2000	8.25	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	WCDMA	2.39	±9.6
10462	AAC	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, GFSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	<u>±9.6</u>
10463	AAC	LTE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
10466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	<u>±9.6</u>
10467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.56	±9.6
10471	AAG	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, 16-OAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
10/1/1				8.32	±9.6

	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10472	-	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.57	1000 - k = 2 ±9.6
10473		LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	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	AAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±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	7.74	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)		8.18	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.45	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)		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-TOD	8.38	±9.6
10487	AAG	LTE-TOD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2.3.4 7 8 9)	LTE-TDD	8.60	<u>±9.6</u>
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.70	<u>+9.6</u>
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	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 AAF	LTE-TOD (SC-FDMA, 50% R8, 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
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, OPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.74	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)		8.37	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% R8, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)		8.54	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe≈2,3,4,7,8,9)		7.67	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.40	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2 3 4 7 8 9)	LTE-TDD	8.68	<u>+9.6</u>
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subtrame=2.3.4 7 8 9)	LTE-TDD	7.67	<u>±9.6</u>
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TOD	8.52	±9.6 ±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TOD	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, 5MHz, 64-QAM, UL Subframe=2,3,4.7,8,9)	LTE-TDD	8.54	±9.6
10506 10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe≈2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4.7,8,9)	LTE-TOD	8.36	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)		8.51	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)		7.74	<u>±9.6</u>
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)		8.42	±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 ±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 10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAC AAC	IEEE 802.11a/h WiFI 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
0522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
0523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
0524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
0525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.27	±9.6
0526	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.36	±9.6
0527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN WLAN	8.42	±9.6
0528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.21	±9.6
0529	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36 8.36	<u>+9.6</u> ±9.6
0531		IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
0532	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
0533	AAC	IEEE 802.11ac WiFi (20 MHz, MCSB, 99pc outy cycle)	WLAN	8.38	±9.6
0534	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
0535	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
0536	AAC AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
0537	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
0540	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.54	±9.6
	1000	The one in the mining the mining in the set of the set	WLAN	8.39	±9.6

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10541		IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	_	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543		IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	<u> </u>	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545		IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546		IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547		IEEE 802.11 ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	<u>19.6</u>
10548		IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550		IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	<u>±9.6</u>
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	
10552		1EEE 802.1 fac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553		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		IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556		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
		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565		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
10568	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
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10571	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60 i	±9.6
10578	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 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)	WLAN	8.35	±9.6
10583	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mops, 90pc duty cycle)	WLAN	8.49	±9.6
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mops, 90pc duty cycle)	WLAN	8.36	±9.6
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mops, 90pc duty cycle)	WLAN	8.76	±9.6
10590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 46 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.67	±9.6
10592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.63	±9.6
10593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.79	<u>±9.6</u>
10594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.64	±9.6
10595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 900c bitly cycle)	WLAN	8.74	±9.6
10597	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	19.6
10598	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.72	±9.6
10599	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10600	AAC	IEEE 802.1 In (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.88	±9.6
10602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.82	±9.6
10603	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10604	AAC	IEEE 802.1 tn (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, MCS3, 90pc duty cycle)	WLAN	8.97	±9.6
10607	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10608	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN WLAN	8.64	<u>+</u> 9.6
10000			1 10/1 0.51	8.77	±9.6

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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	<u>19.6</u>
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 10622	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
	AAC	IEEE 802.11 ac 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
	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
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10636	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle) IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10637	AAD	IEEE 802.11ac WIFI (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10638	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10639	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
10640	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle) IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.85	±9.6
10641	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10642	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10644	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10645	AAD	IEEE 802.11ac WiFi (160 MHz, MICS8, Suppo duty cycle)	WLAN	9.05	±9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	WLAN	9.11	±9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	LTE-TOD	11.96	±9.6
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	CDMA2000	3.45	±9.6
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.96	±9.6
10658	AAB	Pulse Waveform (200Hz, 10%)	LTE-TOD	7.21	±9.6
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	10.00	±9.6
10660	AAB	Pulse Waveform (200Hz, 40%)	Test	6.99	±9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	3.98	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%)	Test	2.22	±9.6
10670	AAA	Bluetooth Low Energy	Test	0.97	±9.6
10671	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	Bluetooth	2.19	<u>±9.6</u>
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	9.09	±9.6
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN WLAN	8.57	±9.6
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)		8.78	±9.6
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.77	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.73	<u>±9.6</u>
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.78	±9.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.89	±9.6
10681	AAC	(EEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.80	±9.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.62	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.83	±9.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
0685	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.26	±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN		±9.6
			1 TLAN	8.28	±9.6

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	i WLAN	8.45	
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 ±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 (40MHz, 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	19.6
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
10711	AAC AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle) IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.26	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS8, 990c duty cycle)	WLAN	8.45	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS) 1, 99pc duty cycle)	WLAN	8.24	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.87	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.76	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.55	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.70	±9.6
10725	AAC	IEEE 802 11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN WLAN	8.74	<u>±9.6</u>
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.72	<u>+9.6</u>
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 WLAN	8.65	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.64	±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 ±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	<u>±9.6</u>
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
0742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
0743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	- 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
0746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
0747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
0749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
0750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
0752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6

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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		IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	<u>±9.6</u>
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	
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN		±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.58	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)		8.49	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.58	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.49	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.53	<u>±9.6</u>
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.54	±9.6
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	WLAN	8.51	±9.6
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	SG NR (CR OSDM 1 PD CONHE, QPSK, 15 KHZ)	5G NR FR1 TDD	8.01	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10773		5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9,6
	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	
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAD	SG NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD		±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)		8.38	±9.6
10783	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	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	±9.6
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15kHz)	5G NR FR1 TDD	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	8.44	±9.6
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.39	±9.6
10790	AAD	5G NR (CP-OFDM, 100% R8, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10792	AAD	SG NR (CP-OFDM, FRB, 5MRZ, QPSK, 30 KHZ)	5G NR FR1 TDD	7.83	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10794	· · · ·	5G NR (CP-OFDM, 1 RB, 15 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
0795	AAD	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.84	±9.6
0796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
0797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
0798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
0799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	7.93	±9.6
0801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
0802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	
0803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
0805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
0806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)		8.34	±9.6
0809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	<u>±9.6</u>
0810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.34	±9.6
0812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.34	±9.6
0817	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
0818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
0819	AAD	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±9.6
0820	AAD	5G NR (CP-OFOM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
0821	AAD	5G NB (CP-OEDM 100% PD 25 MHz OPAK ANTHIN 100% PD 25 MHz	5G NR FR1 TDD	8.30	±9.6
0822	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
	1	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
0823	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
0824			- 1	- ;	
0824 0825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.41	+9.6
0824		5G NR (CP-OFDM, 100% HB, 60 MHz, OPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.41 8.42	±9.6 ±9.6

UID 10829	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 TOD	8.40	±9.6
10830		5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10832	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10834	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	19.6
10835	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10836	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TOD	7.66	±9.6
10839	AAD	5G NR (CP-OFDM, 1 R8, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10841	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10843	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10844	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10846	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10854	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10855	AAD	50 NR (CF-OFDM, 100% RB, 10 MHZ, UPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10856	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10858	AAD-	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10859	AAD-	5G NR (CP-OFDM, 100% HB, 30 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10860	AAD	5G NR (CP-OFDM, 100% RB, 40 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 FR1 TDD	8.41	±9.6
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10864	AAD	SG NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	8.41	±9.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR1 TDD	5.89	±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10872	AAÊ	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 KHz)	5G NR FR2 TDD	5.75	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 KHz)	5G NR FR2 TDD	6.52	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TOD	8.39	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	<u>±9.6</u>
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.38 5.75	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	<u>+9.6</u> ±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
10869	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901		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 (OFT-s-OFDM, 1 RB, 80 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908		5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10909	AAB AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
10910			5G NR FR1 TDD		

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10911		5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 9.6
10912		5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913		5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914		5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	<u> </u>	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.83	±9.6
10916	_	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
		5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918		5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919		5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10921		5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10922		5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10923		5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	<u>±</u> 9.6
10924	-	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	19.6
10925	÷	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.95	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10928	_	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	5.94	±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		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, 15kHz)	5G NR FR1 FDD	5.52	±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, 15kHz)	5G NR FR1 FDD	5.51	<u>±9.6</u>
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 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	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±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, 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
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10952	AAA	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10955	AAA	5G NR DL (CP-OFDM, 1M 3.1, 15MH2, 64-QAM, 15KH2) 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15KHz)	5G NR FR1 FDD	8.23	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.42	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	8.31	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	<u>£9.6</u>
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.33	±9.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	9.32	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10964	AÄC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55 9.29	±9.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AA8	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 R8, 20 MHz, OPSK, 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		ULLA HDR4	ULLA	8.58	±9.6
10980	AAA		ULLA	10.32	±9.6
<u></u>	A & 4			í	
10981 10982	AAA	ULLA HDRp4	ULLA	3.19	±9.6

UID	Rev	Communication System Name	Crown		
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	Group	PAR (dB)	$Unc^E k = 2$
10984	AAA	SO ND DL (OD OCDAL THEST, 40 MINZ, 04-UAM, 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	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)			±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
		30 NH DE (OP-OFDIN, TM 3.1, 50 MHZ, 54-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 NB FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)			
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
		00 HT DE (01 OT DW, TW 3.1, 90 WHZ, 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



S Schweizerischer Kalibrierdienst

- Service suisse d'étalonnage С
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 - 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, Repu	blic of Korea	Certificate No.	EX-7637_Mar23			
CAL	IBRATION	CERTIFICATE		실무자 기술책의자			
Object		EX3DV4(- SN:7637		The 1843 3-28-202			
Calibration procedure(s)		GA CAL-20.V8	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				
Calibral	ion date	March 16, 2023					
This cal The me	ibration certificate d asurements and the	documents the traceability to national second and a second s	standards, which realize the phy.	sical units of measurements (St).			
	anous nave been (conducted in the closed laboratory faci	lity: environment temperature (2	ages and are part of the certificate. (2 ± 3) °C and humidity < 70%.			
		······	······································				
Pomary:	Standards	ID Cal	Date (Certificate No.)	Sobodulad Call			

Power sensor NRP-Z91 SN: 103244 04-Apr-22 (No. 217-03525/03524) Apr-23 OCP DAK-3.5 (weighted) 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-log 22 (Mo. 217-03527) Mar-24	Power meter NRP		Cal Date (Certificate No.)	Scheduled Calibration
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Oct DA(+2 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) Apr-23 Reference Probe ES30V2 SN: 3013 06-log 23 (No. DAE4-660_Mar23) Mar-24	OCP DAK-3.5 (weighted)	SN: 1249	20-Oct 22 (OCP DAV0 5 10 00 0	
Reference 20 dB Attenuator SN: CC2552 (20x) 04-Apr-22 (No. 217-03527) Oct-23 DAE4 SN: 660 16-Mar-23 (No. DAE4-660_Mar23) Apr-23 Reference Probe ES3DV2 SN: 3013 06-log-32 (No. 500 cm) Mar-24	OCP DAK-12	SN: 1016	20-0ct-22 (00P-DAK3.5-1249_0ct22)	Oct-23
DAE4 SN: 660 04-Apr-22 (No. 217-03527) Apr-23 Reference Probe ES3DV2 SN: 3013 06-log 23 (No. DAE4-660_Mar23) Mar-24	Reference 20 dB Attenuator		20-Oct-22 (OCP-DAK12-1016_Oct22)	Oct-23
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106 log 22 /Ne 500 costs			16-Mar-23 (No. DAE4-660 Mar23)	Mar 24
lan 24	Thereferice Frobe ES3UV2	SN: 3013	06-Jan-23 (No. ES3-3013_Jan23)	Jan-24

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

[¹¹¹ · -································		······	
	Name	Function	Signature
Calibrated by	Michael Weber	Laboratory Technician	M. Wese
Approved by	Sven Kühn	Technical Manager	S. L
This calibration ce	ertificate shall not be reproduced except in ful	without written approval of the lab	Issued: March 20, 2023 oratory.

Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





S

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Swiss Calibration Service

Accreditation No.: SCS 0108

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

Glossary

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
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., $\theta = 0$ is normal to probe axis
A	
Connector Angle	information used in DASY system to align proba concervy to the system to align probability of the system to align probabi

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
- 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
- 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 t > 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
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis).
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

Basic Calibration Parameters r

Norm (μV/(V/m) ²) Α	Sensor X	Sensor Y	Sensor Z	Unc $(k=2)$
	0.65	0.59	0.66	±10.1%
	112.9	110.8	111.8	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A	8				····	
		ļ	dB	dB√μ⊽	C	D	VR	Max	Max
<u> </u>				, dD√#A		dB	mV	dev.	Uлс ^E
0	CW	x	0.00	0.00	1.00				k = 2
		Y		0.00	1.00	0.00	172.7	±3.8%	±4.7%
		Z	0.00	0.00	1.00		156.3	4	
10352	Pulse Waveform (200Hz. 10%)		1.61	60.50	6.41	10.00	173.9		Å
		Υ	1.72	61.79	7.44	10.00	<u>60.0</u> 60.0	±4.1%	±9.6%
10353		Z	1.50	60.32	6.22		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	1.06	60.00	5.41	6.99	80.0	±2.8%	
		Y	0.92	60.34	5.71	0.00	80.0	12.0%	±9.6%
10354	Pulso Mounte - 10000	Z	0.91	60.00	5.10		80.0		2
10004	Pulse Waveform (200Hz, 40%)	X	0.67	60.00	4.70	3.98	95.0	±1.8%	±9.6%
		Y	0.48	60.00	4.46		95.0	1 1.0 %	1 23.0%
10355	Pulse Waysform (2001)	Z	0.54	60.00	4.07		95.0	ļ	[
	Pulse Waveform (200Hz, 60%)	X	64.00	78.00	9.00	2.22	120.0	±1.8%	±9.6%
		Y	11.85	155.82	4.83		120.0	1.070	1 13.0 %
10387	QPSK Waveform, 1 MHz	Z	12.78	152.90	1.48		120.0		
	a or vavelorni, riviHz	X	0.62	63.39	11.87	1.00	150.0	±4.6%	±9.6%
		Y	0.58	62.65	10.77		150.0		20.075
10388	QPSK Waveform, 10 MHz	Z	0.49	62.15	11.31		150.0		
		X	1.36	65.16	13.61	0.00	150.0	±1.4%	±9.6%
		Y	1.28	64.32	12.92		150.0		20.070
0396	64-QAM Waveform, 100 kHz	<u>Z</u>	1.24	64.90	13.19	ĺ	150.0	ĺ	
		X	1.91	66.16	16.52	3.01	150.0	±0.9%	±9.6%
		Ŷ	1.86	66.05	16.46	ľ	150.0		
0399	64-QAM Waveform, 40 MHz	Z	1.79	65.27	16.02	[150.0		
i		X	2.82	65.96	14.78	0.00	150.0	±2.6%	±9.6%
[z	2.76	65.60	14.48	ſ	150.0		
0414	WLAN CCDF, 64-QAM, 40 MHz		2.73	65.93	14.74		150.0		
		X	4.03	66.31	15.34	0.00	150.0	±4.7%	±9.6%
			3.82	65.34	14.80	m	150.0	j	
······	details on UID parameters see Appendix		3.85	66.37	15.29		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 11.8	C2 fF 82.07	α V ⁻¹ 31.22	T1 msV ⁻²	T2 ms V 1	T3 ms	τ4 V ^{−2}		T6
y y	12.2	86.22	31.22	12.72	0.00	4.90	0.85	0.00	1.00
z	9.3	65.60	31.77	6.14	0.00	4.99	0.78	0.00	1.01
<u> </u>	·· 1			0.71	0.00	4.90	0.71	0.00	1.00

Other Probe Parameters

Sensor Arrangement	
Connector Angle	Triangular
Mechanical Surface Detection Mode	147.8°
Optical Surface Detection Mode	enabled
Probe Overall Length	disabled
Probe Body Diameter	337 mm
Tip Length	10 mm
Tip Diameter	9 mm
Probe Tip to Sensor X Calibration Point	2.5 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1mm
lote: Measurement distance from surface can be increased to 2, 4 mm factor 4 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 [#] (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G	Unc
750	41.9	0.89	10.29	10.29			(mm)	(k=2)
835	41.5				10.29	0.59	0.90	±12.0%
		0.90	10.23	10.23	10.23	0.65	0.80	±12.0%
1750	40.1	1.37	9.20	9.20	9.20			- ··
1900	40.0	1.40				0.47	0.86	±12.0%
			8.80	8.80	8.80	0.44	0.86	±12.0%
2300	39.5	1.67	8.44	8.44	8.44	0.39	0.00	
2450	39.2	1.80	8.28		·		0.90	±12.0%
2600			0.20	8.28	8.28	0.35	0.90	±12.0%
2000	39.0	1.96	7.96	7.96	7.96	0.49	0.90	±12.0%

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 13MHz is 9–19MHz. Above 5 GHz frequency validity can be extended to ±110MHz. The probes are calibrated using tissue simulating liquids (TSL) that deviate for ε and σ by less than ±5% from the target values (typically better than +3%)

and are valid for TSL with deviations of up to ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11 1%

^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

Calibration Parameter Determined in Body 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 (tr = 2)
750	55.5	0.96	10.69	10.69	10.69	0.44	<u>_</u>	(k=2)
835	55.2	0.97	10.51	10.51	10.51	0.53	0.95	±12.0%
1750	53.4	1.49	9.09	9.09	9.09	0.45	0.80	±12.0%
1900	53.3	1.52	8.82	8.82	8.82	— — —	0.86	±12.0%
2300	52.9	1.81	8.76	8.76	8.76	0.35	0.86	±12.0%
2450	52.7	1.95	8.67	8.67		0.45	0.90	±12.0%
2600	52.5	2.16			8.67		0.90	±12.0%
			8.41	8.41	8.41	0.35	0.90	±12.0%

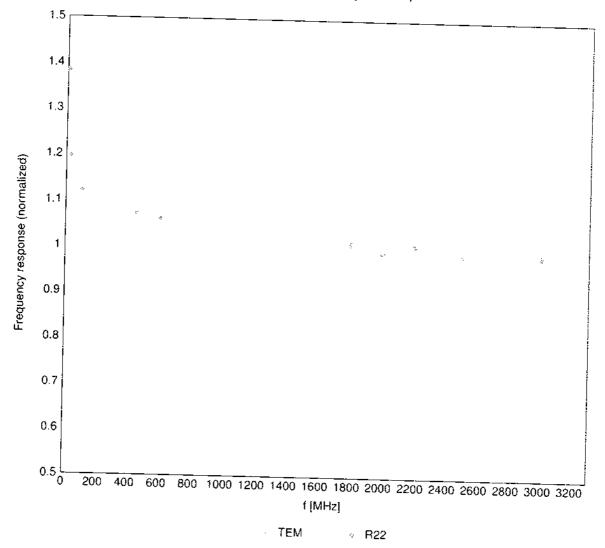
^C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, ASS of the Convertience uncertainty at canonation irrequency 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. 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 ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1%

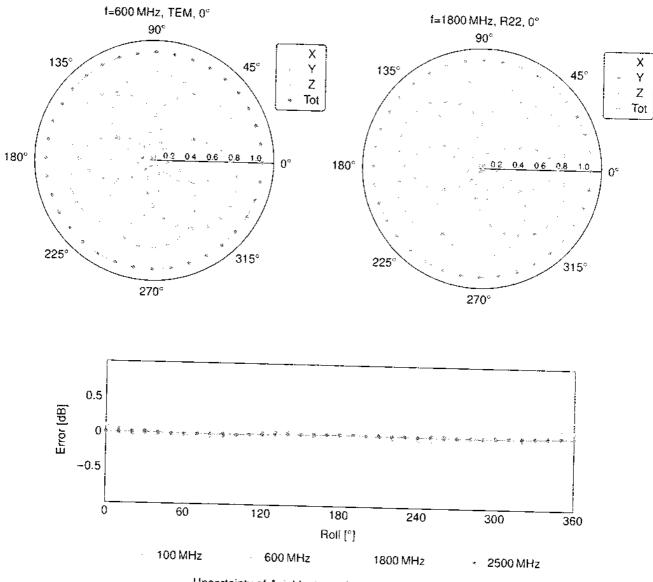
^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the

Frequency Response of E-Field

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

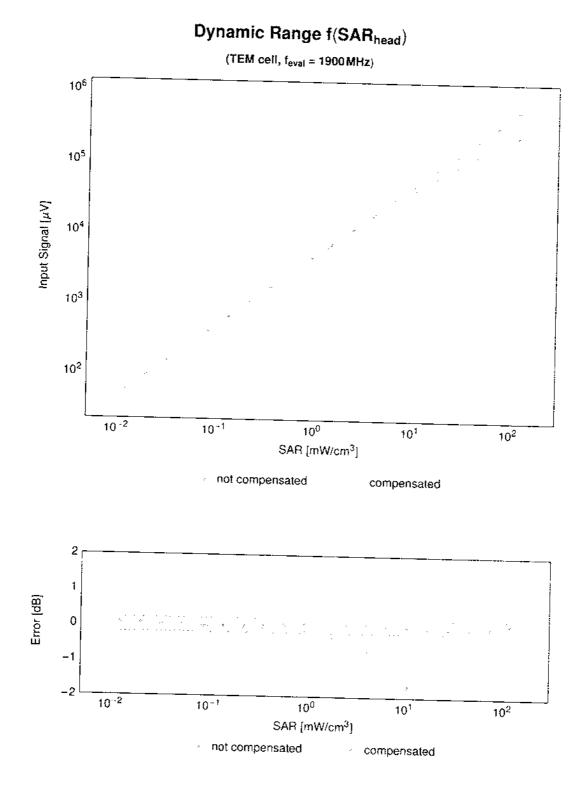


Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ (k=2)



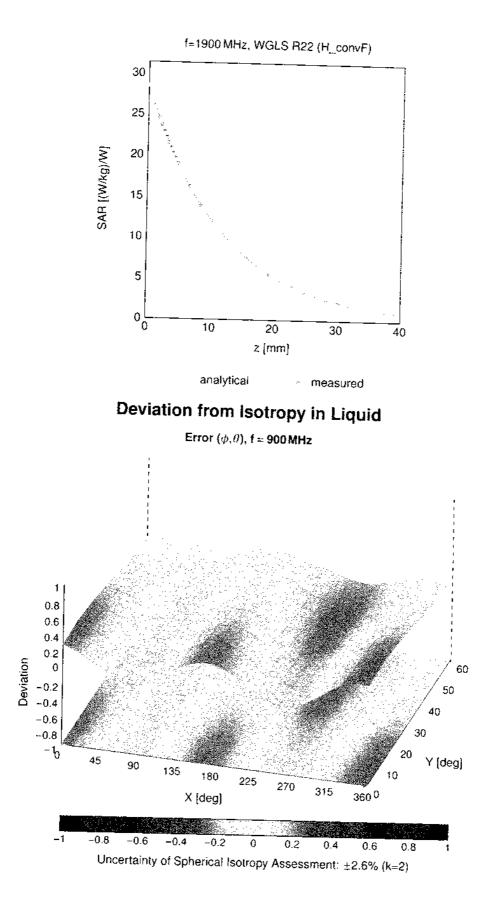
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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



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





Appendix: Modulation Calibration Parameters

0	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10010	CAB		CW	0.00	Unc- k =
10011	CAC	SAR Validation (Square, 100 ms, 10 ms)	Test		
10012	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10013	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	+9.6
10021		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN		+9.6
10023		GSM-FDD (TDMA. GMSK)	GSM	- 9.46	+9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)		9.39	-9.6
0024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)		9.57	+9.6
0025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	6.56	+9.6
0026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	12.62	+9.6
0027	DAC	GPRS-FDD (TDMA, GMSK. TN 0-1-2)	GSM	9.55	±9.6
	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	4.80	+9.6
0029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	3.55	±9.6
0030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	7.78	+9.6
0031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)		5.30	±96
0032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth Bluetooth	1.87	±9.6
0033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)		1.16	±9.6
0034 j	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	7.74	±9.6
0035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	4.53	±9.6
0036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	3.83	±9.6
0037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	8.01	+9.6
0038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.77	+9.6
0039	CAB	CDMA2000 (1xRTT, RC1)	Bluetooth	4.10	+9.6
0042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DOPSK, Halfrate)	CDMA2000	4.57	±9.6
	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	7.78	+9.6
	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot 24)	AMPS	0.00	+9.6
i	CAA	DECT (TDD. TDMA/FDM. GFSK, Double Slot, 12)	DECT	13.80	+9.6
	CAA	UMTS-TDD (TD-SCDMA, 1,28 Mcos)	DECT	10.79	+9.6
058	DAC	EDGE-FDD (TDMA. 8PSK, TN 0-1-2-3)	TD-SCDMA	11.01	+9.6
0059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	GSM	6.52	+9.6
060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS. 5.5 Mbps)	WLAN	2.12	+9.6
061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	2.83	+9.6
062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	3.60	±9.6
063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM. 9 Mbps)	WLAN	8.68	+9.6
064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	8.63	÷9.6
065	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.09	+9.6
066 (CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.00	+9.6
067 (CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	9.38	+9.6
068 0	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.12	+9.6
069 0	CAD	EEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.24	±9.6
071 (IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	10.56	+9.6
072 0	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.83	±9.6
073 0		EEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	+9.6
	CAB	EEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	-9.6
	CAB I	EEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	+9.6
	CAB I	EEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	+9.6
_		EEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	+9.6
	CAB (CDMA2000 (1xRTT, RC3)	WLAN	11.00	+9.6
	AB I	S-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	CDMA2000	3.97	+9.6
	DAC	3754 775-138 PDD (TDMA/EDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
	ACI	JMTS-FDD (HSDPA)	GSM	6.56	±9.6
	ACT	IMTS-FDD (HSUPA) IMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
	ACE	DGE-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
	AFL	TE-EDD (SC EDMA 1000 DD 00000	GSM	9.55	19.6
	AF	TE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	+9.6
		TE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	+9.6
		TE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	+9.6
		TE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)		9.29	
		TE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.29	+9.6
		TE-TDD (SC-FDMA, 100% RB. 20 MHz. 64-QAM)	LTE-TOD	10.01	+9.6
		TE-FDD (SC-FDMA, 100% RB, 10 MHz, OPSK)			+9.6
	AH L	TE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	5.80	+9.6
10 I C.	AH 🗋	TE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)		6.43	+9.6
_	AH	TE-FDD (SC-FOMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	5.75	÷9.6

10112	Rev CAH	Communication System Name	Group	PAR (dB)	Unc ^E k =
10113	CAH	LTE-FDD (SC-FDMA. 100% RB, 10 MHz, 64-QAM)	LTE-FDD		
10114		LTE-FDD (SC-FDMA, 100% RB. 5 MHz, 64-OAM)	LTE-FDD	6.59	±9.6
10115	CAD	IEEE 802.11n (HT Greenlield, 13.5 Mbps, BPSK)	WLAN	6.62	+9.6
	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.10	+9.6
0116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.46	- 9.6
0117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)		8.15	+9.6
0118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.07	±9.6
0119	CAD	IEEE 802,11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.59	+9.6
0140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-OAM)		8.13	+9.6
0141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	6.49	+9.6
0142	CAF	LTE-FDD (SC-FDMA, 100% RB. 3MHz, QPSK)	LTE-FDD	6.53	+9.6
0143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
0144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FOD	6.35	±9.6
0145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	6.65	±9.6
0146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.76	±9.6
0147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.41	±9.6
0149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)		6.72	+9.6
0150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FOD	6.42	9.6
0151	CAH	LTE-TDD (SC-FDMA, 50% RB. 20 MHz, QPSK)	LTE-FDD	6.60	+9.6
)152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TOD	9.28	±9.6
153	CAH	LTE-TDD (SC-FDMA, 50% HB, 20 MHz, 16-QAM) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)		9.92	+9.6
154		TE-EDD (SC-EDMA, 50% PD, 40 M/2, 64-QAM)	LTE-TOD	10.05	+9.6
155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	+9.6
	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	+9.6
	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)		5.79	
i	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	+9.6
		LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-OAM)	LTE-FDD	6.62	+9.6
	CAH	LTE-FDD (SC-FDMA, 50% RB, SMHz, 64-QAM)	LTE-FDO		+9.6
	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, OPSK)		6.56	±9.6
	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	5.82	+9.6
	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.43	+9.6
	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)		6.58	+9.6
	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.46	+9.6
	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.21	+9.6
	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, OPSK)		6.79	+9.6
	CAF	LTE-FDD (SC-FDMA, 1 RB. 20 MHz, 16-QAM)	LTE-FDD	5.73	+9.6
	AAF	LTE-FDD (SC-FDMA, 1 RB. 20 MHz, 64-QAM)	LTE-FDD	6.52	+9.6
172	CAH	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, QPSK)		6.49	±9.6
173 (CAH I	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TOD	9.21	±9.6
174 (CAH	TE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TOD	9.48	+9.6
175 (CAH	TE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	10.25	+.9.6
176 0	CAH I	TE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	5.72	+9.6
177 0	CAJ	TE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	6.52	+9.6
178 (CAH	TE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDO	5.73	+9.6
		TE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
180 0		TE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-FDD	6.50	±9.6
		TE-FDD (SC-FDMA, 1 R8, 15 MHz, QPSK)	LTE-FDD	6.50	-9.6
		TE-FDD (SC-FDMA, 1 RB, 15 MHz, 0PSK)	LTE-FDD	5.72	+9.6
		TE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) TE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.52	+9.6
_	CAF L	TE-EDD (SC EDMA 1 00 0441 05000	LTE-FDD	6.50	+9.6
		TE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-FDD	5.73	+9.6
		TE-FDD (SC-FDMA, 1 RB. 3 MHz, 16-QAM)	LTE-FOD	6.51	+9.6
		TE-FDD (SC-FDMA. 1 RB, 3MHz, 64-QAM)	LTE-FDD	6.50	
		TE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	+96
_ / _	AG L	TE-FDD (SC-FDMA, 1 RB. 1.4 MHz, 16-QAM)	LTE-FDD	<u>↓</u>	±9.6
		TE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)		6.52	+9.6
	AD I	EE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	6.50	±9.6
_	AD TE	EE 802.11n (HT Greenlield, 39 Mbps, 16 QAM)	WLAN	8.09	+9.6
_	AD IE	EE 802.1 In (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.12	+9.6
_		EE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.21	+9.6
		EE 802.11n (HT Mixed, 39 Mbps, 16-QAM)		8.10	+9.6
	AD 18	EE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.13	+9.6
	AD IE	EE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.27	+9.6
	AD IE	EE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.03	+9.6
21 C	AD IE	EE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.13	+9.6
22 Č,	AD JE	EE 802.11n (HT Mixed, 15Mbps, BPSK)	WLAN	8.27	+9.6
23 C/	AD IË	EE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.06	+9.6
24 C/	AD TE	EE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.48	19.6
			WLAN	8.08	

10225	CAC	Communication System Name UMTS-FDD (HSPA+)	Group	PAR (dB)	Unc ^E k
10226	CAC	LTE-TOD (SC-FDMA, 1 RB, 1,4 MHz, 16-QAM)	WCDMA	5.97	+9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	9,49	+9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB. 1.4 MHz, QPSK)	LTE-TOD	10.26	+9.6
10229	CAE	LTE TOD (SC EDMA, FBB. 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-TOD	10.25	
10232	i — —	LTE-TDD (SC-FDMA, 1 RB. 3 MHz, OPSK)	LTE-TOD	9.19	+9.6
0232		LTE-TDD (SC-FDMA. 1 RB, 5MHz. 16-QAM)	LTE-TDD	······	±9.6
0233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)		9.48	±9.6
_	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)		10.25	+9.6
0235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)		9.21	- 9.6
0236	CAH	LTE-TDD (SC-FDMA, 1 RB. 10 MHz, 64-QAM)		9.48	+9.6
0237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	······	10.25	+9.6
0238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TOD	9.21	+9.6
0239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)		9.48	+9.6
0240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, OPSK)	LTE-TDD	10.25	+9.6
0241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TOD	9.21	+9.6
0242	CAC	LTE-TDD (SC-FDMA, 50% R8, 1.4 MHz, 64-OAM)		9.82	+9.6
0243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TOD	9.86	±9.6
0244	CAE	LTE-TDD (SC-FDMA, 50% RB. 3 MHz. 16-QAM)	LTE-TDD	9.46	+9.6
0245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TOD	10.06	±9.6
246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	10.06	+9.6
247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)	LTE-TDD	9.30	±9.6
248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-TDD	9.91	±9.6
249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM) LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-TDD	10.09	±9.6
250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 0PSK)	LTE-TOD	9.29	+9.6
251	CAH	LTE-TDD (SC-FDMA, 50% HB, 10 MHz, 16-QAM) LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	9.81	+9.6
252	CAH	LTE-TDD (SC-FDMA, 50% HB, 10 MHz, 64-QAM) LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LIE-TOD	10.17	1,9.6
	CAG	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	+9.6
	CAG	LTE-TDD (SC-FDMA, 50% RB. 15 MHz, 16-QAM)	LTE-TOD	9.90	+9.6
	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-OAM)	LTE-TDD	10.14	
	CAC	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-TDD	9.20	+9.6
	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TOD	9.96	+9.6
- +	CAC	LTE-TDD (SC-FDMA, 100% R8. 1.4 MHz. 64-QAM)	LTE-TDD		±9.6
	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, OPSK)		- 10.08	±9.6
-	CAE	LTE-TDD (SC-FDMA, 100% RB. 3 MHz, 16-QAM)		9.34	+9.6
	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.98	+9.6
·· · · · · · · · · · · · · · · · · · ·	CAE	LTE-TOD (SC-FDMA, 100% RB, 3 MHz, OPSK)		9.97	+9.6
	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)		9.24	+9.6
	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-TOD	9.83	+9.6
	CAH I	LTE-TDD (SC-FDMA, 100% RB, 5MHz, OPSK)	LTE-TDD	10.16	+9.6
265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-OAM)	LTE-TDD	9.23	+9.6
266	CAH	TE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	9.92	±9.6
	CĂH Î	TE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TOD	10.07	±9.6
268 (CAG	TE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	9 30	+9.6
269 0	CAG	TE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-TOD	10.06	+9.6
	CAG L	TE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	10.13	+9.6
_	CAC	JMTS-FDD (HSUPA, Subjest 5, 3GPP Rel8.10)	LTE TOD	9.58	±9.6
	CACL	JMTS-FDD (HSUPA, Subjest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
	CAA F	PHS (OPSK)	WCDMA	3.96	±96
		PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
			PHS	11.81	±9.6
		PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	+9.6
		DMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	
		DMA2000, RC3, SO55. Full Rate	CDMA2000	3.46	+9.6
_		DMA2000, RC3. SO32, Full Rate	CDMA2000	3.39	+96
		DMA2000, RC3. SO3. Full Rate	CDMA2000	3.50	±9.6
	AB C	DMA2000, RC1, SO3. 1/8th Rate 25 fr.	CDMA2000	··· +	+9.6
_		TE-FDD (SC-FDMA. 50% RB, 20 MHz, QPSK)	LTE-FDD	12.49	+9.6
	AE	TE-FDD (SC-FDMA, 50% RB. 3 MHz. OPSK)	LTE-FDD	5.81	±9.6
	AE LI	TE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	5.72	+9.6
	AE LI	TE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-OAM)	LTE-FDD	6.39	+9.6
_	AA IE	EE 802.16e WiMAX (29:18. 5 ms, 10 MHz, OPSK, PUSC)		6.60	+9.6
·	AA	EE 802.16e WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC, 3 CTBL symbols)		12.03	+9 .6
		EE 802.16e WiMAX (31:15, 5ms, 10 MHz, 640AM, PUSC)	WIMAX	12.57	+9.6
	AA IE	EE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 640AM, PUSC)	WiMAX	12.52	+9.6
)5 A	AA	EE 802.16e WIMAX (31:15, 10 ms. 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	11.86	+9.6
)6 A	AA IE	EE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	+9.6
			WIMAX	14.67	±9.6

1030	7 AA		Group	DAD (JD)	
_	_	ODE: TOE THIMAX (25.10, TUMS, TUMHZ, OPSK, PUSC, 18 symbols)	WIMAX	PAR (dB)	Unc ^E k =
1030		C LEE 802.166 WIMAX (29:18, 10 ms, 10 MHz, 160AM, PUSC)	WIMAX	14.49	±9.6
1030		LEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16 OAM, AMC 2:22, 18		14.46	+9.6
1031		IEEE 802, 166 WIMAX (29:18, 10 MB; 10 MHz, OPSK, AMC 2x3, 19 symbols)	WIMAX	14.58	+9.6
1031		LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	WIMAX	14.57	÷9.6
1031	3 AAA	IDEN 1:3	LTE-FDD	6.06	±9.6
10314	4 AAA	iDEN 1:6	IDEN	10.51	+9.6
10315	5 AAB		IDEN	13.48	+9.6
1031	_	IEEE 802 110 Will 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	+9.6
10317			WLAN	8.36	+9.6
10352		CEDIM, 6 MODS, 960C duly cycle)	WLAN	8.36	
10353			Generic		+9.6
			Generic	10.00	+.9.6
10354		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		6.99	+9.6
10355		Pulse Waveform (200Hz, 60%)	Generic	3.98	±9.6
10356	AAA		Generic	2.22	±9.6
10387	AAA	OPSK Waveform, 1 MHz	Generic	0.97	÷9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.10	±9.6
10396		64-QAM Waveform, 100 kHz	Generic	5.22	+9.6
10399		ST-CAM Wavelorm, TOUKH2	Generic	6.27	_ · · · ·
		64-QAM Waveform, 40 MHz	Generic		+9.6
10400		IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	6.27	+9.6
10401		IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	+ <u> </u>	8.37	+9.6
10402		IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99oc duty cycle)	WLAN	8.60	±9.6
10403	AAB	CDMA2000 (1xEV-DO. Rev. 0)	WLAN	8.53	±9.6
0404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.76	+9.6
0406		CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	3.77	+9.6
0410		UTE TOD (CO SPLIN, COS SUBJ., SUBJ., Full Rate	CDMA2000	5.22	+9.6
0414		LTE-TDD (SC-FDMA, 1 RB, 10 MHz, OPSK, UL Subframe=2,3.4,7.8,9, Subframe Conf=4)	LTE-TOD	7.82	
	AAA	MEAN CODF, 64-UAM, 40 MHz	Generic	╼┼╌┈━╸──╼╺╌└╴	+9.6
0415		IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	8.54	+9.6
0416	AAA	IEEE 802,11g WiFi 2.4 GHz (ERP-OFDM 6 Mbps, 99pc duty syste)		1.54	+9.6
0417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
0418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.23	+9.6
0419	AAA	IEEE 802 11g WiEi 2 4 GHz (DSSS OF DM, CM0ps, 99pc buty cycle. Long preambule)	WLAN	8.14	+9.6
0422	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule) IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.19	÷.9.6
0423	AAC	IEEE 902.11n (HT Greenfield, 7.2 Mops. BPSK)	WLAN	8.32	+9.6
0424		IEEE 802.11n (HT Greenfield, 43.3 Mbps. 16-QAM)	WLAN	8.47	
_	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-OAM)	WLAN		+9.6
0425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.40	±9.6
0426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	·	8.41	+9.6
0427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.45	+9.6
0430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	WLAN	8.41	+9.6
0431	AAE	LTE-FDD (OFDMA. 10 MHz, E-TM 3.1)	LTE-FOD	8.28	+9.6
0432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.38	+9.6
433	AAD	LITE EDD (OF DMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	+9.6
0434	AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	+9.6
		W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA		
0435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4.7,8.9)	LTE-TOD	8.60	+9.6
)447	AAE	LTE-FOD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)		7.82	±9.6
448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.56	+9.6
449	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	÷9.6
450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	+9.6
451	AAB	W-CDMA (BS Test Model & 64 DCC)	LTE-FOD	7.48	±9.6
453	AAE	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	
456		Validation (Square. 10 ms, 1 ms)	Test	→	+9.6
_	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN		+9.6
457	AAB	UMTS-FDD (DC-HSDPA)		8.63	+9.6
458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WCDMA	6.62	±9.6
459	AAA	CDMA2000 (1xEV-DO, Rev. B. 3 carriers)	CDMA2000	6.55	±9.6
460	AAB	UMTS-FDD (WCDMA, AMR)	CDMA2000	8.25	+9.6
461	AAC	LTE-TDD (SC-FDMA, 1 RB. 1.4 MHz, QPSK, UL Subframe=2.3,4.7,8.9)	WCDMA	2.39	+9.6
462	- 1	TE-TOD (SC-EOMA 1 98 1 4101- 40 0000	LTE-TOD	7.82	+9.6
463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sublrame=2,3.4,7,8,9)	LTE-TOD	8.30	+9.6
	440	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.56	
_	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, OPSK, UL Subframer 2.3.4.7.9.0)	LTE-TDD		±9.6
	AAD	LIE-IDD (SG-FDMA, 1 BB, 3 MHz, 16-OAM, UL Subframe-2.3.4.7.9.0)		7.82	+9.6
	AAU	LIE-IDD (SC-FDMA, 1 RB, 3MHz, 64-QAM, UL Subframe-2.3.4.7.8.9)	LTE-TOD	8.32	+9.6
467	AAG	LIE-TOD (SC-FDMA, 1 RB, 5MHz, OPSK UL Subtrame-2.3.4.7.8.0)	LTE-TOD	8.57	÷9.6
468	AAG	LIE-IDD (SC-FDMA, 1 BB 5 MHz 16 OAM LH Subtrame 0.0 (1 a a)	LTE-TDD	7.82	+9.6
	AAG		LTE-TOD	8.32	+9.6
	AAG	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	+9.6
	AAG		LTE-TOD	7.82	29.6
		$\Gamma \Gamma \Gamma U = 0 $ $\Gamma U = 0$		8.32	2 0.0

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	Rev	Communication System Name	Group		
10472			Group	PAR (dB)	Unc ^E k =
10473		C/E-TDD (SC-PDMA, 1 RB, 15 MHz, OPSK 111 Subframe-2.2.4.7.0.0)	LTE-TOD	8.57	+9.6
10474		UCTOD (SCHDMA, 1 HB, 15 MHz, 16 OAM, 11, Subframe, 2.0.4.7.0.0)	LTE-TDD	7.82	+9.6
10475		LIE-TOD (SU-FDMA, 1 HB, 15 MHz, 64-OAM LIL Subframe-2.2.4.7.9.0.	LTE-TDD	8.32	+9.6
10477		LTE-TOD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UI, Subframe 2.3.4.2.8.0)	LTE-TDD	8.57	±9.6
10478	AAG	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2.3,4,7,8.9)	LTE-TDD	8.32	+9.6
10479	AAC	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3.4.7,8.9)	LTE-TOD	8.57	+9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-OAM, UL Subframe=2,3.4.7,8,9)	LTE-TDD	7.74	+9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2.3.4,7,8,9)	LTE-TOD	8.18	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE TOD	8.45	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.71	+9.6
10484	AAD	LTE-TOD (SC-FDMA, 50% RB, 3 MHz, 16-OAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 50MHz, 04-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TOD	8.47	±9.6
0486	AAG	LTE-TOD (SC-FDMA, 50% PB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	+9.6
0487		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.38	<u>+9.6</u>
0488	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
0489	AAG	LTE-TOD (SC-FDMA. 50% RB, 10 MHz, OPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDD	7.70	
0490	-	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subirame=2.3,4,7,8,9)	LTE-TOD	8.31	+9.6 ±9.6
0491	AAF	ULE-TOD (SC-FDMA, 50% BB, 10 MHz, 64-OAM, UL Subframe, 2.2.4.7.9.0)	LTE-TDD	8.54	
0492	<u> </u>	CIE-TOD (SC-FUMA, 50% RB, 15 MHz, OPSK, UL Subframe 2.2.4.7.9.0)	LTE-TOD		±9.6
0492		LIC-TUD (SU-FUMA, 50% RB. 15 MHz, 16-OAM TH, Subtrame-2.2.4.7.9.0)	LTE-TDD	7.74	+9.6
0493	AAF	CIE-TOU (SU-FOMA, 50% RB, 15 MHz, 64-OAM TH Subframe-2.2.4.7.9.0)	UTE-TDD	8.41	÷9.6
_		LTE-TUD (SC-FUMA, 50% R8, 20 MHz, OPSK 1/L Subtrame-2.2.4.7.9.0)		8.55	+9.6
0495	AAG	LIE-TOD (SC-FDMA, 50% RB, 20 MHz, 16-OAM 11 Subframe-2.2.4.7.9.0)		7.74	•9.6
0496	AAG	LIE-TOD (SC-FDMA, 50% RB, 20 MHz, 64-OAM TH, Subtrame-2.2.4.7.0.0)		8.37	+9.6
)497	AAC	LIE 100 (SC-FDMA, 100% RB, 1.4 MHz, OPSK, UI Subtrame-2.2.4.7.9.0)		8.54	+9.6
0498	AAC	CTE-TDD (SC-FUMA, 100% RB, 1.4 MHz, 16-OAM, LIL Subtrame, 0.9.4.7.0.)	LTE-TDD	7.67	÷9.6
)499	AAC	ETE-TOD (SC-FUMA, 100% RB, 1,4 MHz, 64-OAM, UL Subframe-2.2.4.7.9.0)		8.40	±9.6
)500	AAD	OD (SC-FDIMA, 100% HB, 3 MHz, OPSK_11 Subframe-9.9.4.7.9.0)	LTE-TDD	8.68	+9.6
501	AAD	LIE-TOD (SC-FDMA, 100% RB, 3MHz, 16-OAM, LIL Subframe, 3.2.4.7.6.0)	LTE-TDO	7.67	±9.6
502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.44	+9.6
503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subframe=2.3,4,7,8.9)	LTE-TDD	8.52	±9.6
504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subframe=2.3,4,7,8.9)	LTE-TDD	7.72	±9.6
505	AAG	LTE-TOD (SC-FDMA, 100% RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE TOD	8.31	±9.6
506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, OPSK, UL Subirame=2,3,4,7,8,9)	LTE TOD	8.54	+9.6
507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.36	±9.6
509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.55	±9.6
510	AAF	LTE-TOD (SC-EDMA, 100% RB, 15 MHz, OPSK, UE Subframe=2,3.4,7,8.9)	LTE-TDD	7.99	+9.6
511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,6,9)	LTE-TDD	8.49	+9.6
512		LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2.3,4.7,8.9)	LTE-TOD	7.74	+9.6
514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE TDD	8.42	+9.6
515	AAA	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM. UL Subirame=2.3,4,7,8.9)	LTE-TDD	8.45	
516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	<u>+9.6</u>
517	700	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN		±9.6
	MAA	TEEE 802.115 WiFi 2.4 GHz (DSSS, 11 Mbos, 99nc duty cycle)	WLAN		+9.6
518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	1.58	* 9.6
	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99oc duty cycle)	WLAN	8.23	+9.6
520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.39	+9.6
	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mhps, 990c duby cycle)		8.12	±9.6
	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
_	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbos, 99oc duty cycle)	WLAN	8.08	+9.6
	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.27	+9.6
	AAC	IEEE 802.11ac WiFi (20 MHz. MCS1, 99oc duly cycle)	WLAN	8.36	±9.6
27	AAC	EEE 802.11ac WiFi (20 MHz. MCS2, 99pc duty cycle)	WLAN	8.42	±9.6
	AAC	EEE 802.11 ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.21	÷9.6
29	AAC I	EEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
31	AAC I	EEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
32	AAC	EEE 802.11ac WiFi (20 MHz, MCS7. 99pc duty cycle)	WLAN	8.43	+9.6
	AAC I	EEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	+9.6
·	AAC I	EEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	+9.6
	AAC I	EEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	+9.6
	AAC I	EFE 802 11 ac W/Fi / 00 MHz, WUS1, 99pc duty cycle)	WLAN	8.45	+9.6
	AAC II	EEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	+9.6
	AAC II	EEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
	AAC II	EEE 802 11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
		EE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN		- 0.0

1054		Communication System Name	Group	PAR (dB)	
1054			WLAN	8.46	- 0nc- k
1054		IEEE 802.11ac WiFI (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	+9.6
10544		IFEE 802.11ac W/F) (40 M/Hz, MCS9, 99pc duty cycle)	WLAN	8.65	+9.6
10545			WLAN	8.47	+9.6
10546			WLAN	8.55	+9.6
10547			WLAN	8.35	÷9.6
10548			WLAN	8.49	+9.6
10550			WLAN	8.37	+9.6
10551			WLAN	8.38	±9.6
10552			WLAN	8.50	+9.6
0553			WLAN	8.42	+9.6
0554			WLAN	8.45	+9.6
0555		IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	+9.6
0556		IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.47	+9.6
0557	_	IEEE 802.11ac WiFi (160 MHz. MCS2, 99pc duty cycle)	WLAN	8.50	+9.6
0558		IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	+9.6
0560		IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duly cycle)	WLAN	8.61	+9.6
0561	_	IEEE 802.11ac WiFi (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.73	+9.6
0562		IEEE 802.11ac WiFI (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	+9.6
0563		IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	+9.6
564		EEE 802 110 WiFi 2 4 GHz (DCCC OCD) Address (CCC)	WLAN	8.77	+9.6
565		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	+9.6
566		IEEE 802 11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	+9.6
567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	+9.6
568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	+9.6
569		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	+9.6
570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	+9.6
571	AAA	IEEE 802 11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) IEEE 802 11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	8.30	+9.6
572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	+9.6
573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.99	+9.6
574	AAA	IEEE 802.116 Wi Fi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	+9.6
575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps. 90pc duty cycle)	WLAN	1.98	+9.6
576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps. 90pc duty cycle)	WLAN	8.59	+9.6
577	AAA	IEEE 802 11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	+9.6
578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.70	+9.6
579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	+9.6
580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	+9.6
581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	+9.6
582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	+9.6
583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.59	+9.6
585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	+9.6
87	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	+9.6
88	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	+9.6
89	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	+9.6
90	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.35	÷9.6
91	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.67	±9 6
92	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
93	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	+9.6
94	_	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	+9.6
95	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	+9.6
96		IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
97	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCSS, 90pc duly cycle)	WLAN	8.71	+9.6
98	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	+9.6
99	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	+9.6
00	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCSU, 90pc duty cycle)	WLAN	8.79	+9.6
01	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	+9.6
	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	+9.6
_	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	-9.6
	AAC	IEEE 802 110 (HT Mixed, 40 MHz, MOS5, 90pc duty cycle)	WLAN	8.76	±9.6
	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duly cycle)	WLAN	8.97	+9.6
_	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	+9.6
	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0. 90pc duty cycle)	WLAN	8.64	±9.6
<u> </u>		IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	+9.6

10609	AAC	Communication System Name IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	Group	PAR (dB)	Unc ^E k =
10610	AAC	IEEE 802.11ac WiFI (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	- 9.6
10611	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.78	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8 70	+9.6
10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.77	±9.6
10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.94	+9.6
10615	AAC	IEEE 802.11ac WiFi (20 MHz. MCS8, 90pc duty cycle)	WLAN	8.59	+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	8.82	+:9.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.81	±9.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.58	+9.6
10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.86	÷9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz. MCS5, 90pc duty cycle)	WLAN	8.87	+9.6
10622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.77	÷9.6
10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90oc duty cycle)	WLAN	8.68	±9.6
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	+9.6
	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	+9.6
· · · · · · · · · · · · · · · · · · ·	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.96	+9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.83	+9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.88	±96
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.71	±9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duly cycle)	WLAN	8.85	÷9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.72	+9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.81	+9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duly cycle)	WLAN WLAN	8.74	+9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.83	+9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90oc duty cycle)	WLAN	8.80	±9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	+9.6
	AAD	IEEE 802.11ac WiFi (160 MHz. MCS1, 90pc duty cycle)	WLAN	8.83	-9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8 79	+9.6
_	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.86	+9.6
	AAD	IEEE 802.11ac WiFi (160 MHz. MCS4, 90pc duty cycle)	WLAN	8.85	- 9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duly cycle)	WLAN	9.06	+9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
	AAD AAD	IEEE 802.11ac WiFi (160 MHz, MCS7. 90pc duty cycle)	WLAN	8.89	+9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	+9.6
	AAH	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.f1	+9.6
	AAG	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2.7)	LTE-TOD	11.96	+9.6
	AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2.7)	LTE-TDD	11.96	+9.6
	AAF	CDMA2000 (1x Advanced)	CDMA2000	3.45	+9.6
	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.91	+9.6
		LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
	AF	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD -	6.96	±9.6
		LTE-TDD (OFDMA. 20 MHz, E-TM 3.1, Clipping 44%) Pulse Waveform (200Hz, 10%)	LTE-TDD	7.21	+ 9.6
		Pulse Waveform (200Hz, 10%)	Test	10.00	+9.6
	AB	Pulse Waveform (200Hz, 20%) Pulse Waveform (200Hz, 40%)	Test	6.99	+9.6
		Pulse Waveform (200Hz, 60%)	Tesl	3.98	+9.6
_		Pulse Waveform (200Hz, 80%)	Test	2.22	+9.6
	AA	Bluetooth Low Energy	Test	0.97	+9.6
		IEEE 802.11ax (20 MHz, MCS0, 90pc duly cycle)	Bluetooth	2.19	+9.6
	AC	IEEE 802.11ax (20 MHz, MCS0, 90pc duly cycle)	WLAN	9.09	+9.6
	AC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
	AC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	+9.6
· · · · · · · · · · · · · · · · · · ·	AC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
	AC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	+9.6
677 A	AC	IEEE 802.11ax (20 MHz. MCS6. 90pc duty cycle)	WLAN	8.77	+9.6
	AC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.73	+9.6
679 A/	AC i	IEEE 802.11ax (20 MHz, MCS8, 90pc duly cycle)	WLAN	8.78	+9.6
680 A/	AC T	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.89	+9.6
681 A/	AC I	EEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.80	+9.6
682 A/	AC I	EEE 802.11ax (20 MHz, MCS11, 90pc duly cycle)	WLAN	8.62	+9.6
683 A/	ACI	EEE 802.11ax (20 MHz, MCS0. 99pc duty cycle)	WLAN	8.83	-9.6
	AC I	EEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	+9.6
685 AA	ACI	EEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.26	+9.6
686 AA	40 1	EEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.33	+9.6
		the management of the second s	WLAN	8.28	+9.6

10687	AAC	Communication System Name IEEE 802.11ax (20 MHz. MCS4, 99pc duty cycle)	Group	PAR (dB)	Unc ^E k
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duly cycle)	WLAN	8.45	+9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.29	++9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.55	+9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	+9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.25	±9.6
10693	AAC	IEEE 802 11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.29	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duly cycle)	WLAN	8.25	+9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.57	+9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1. 90pc duty cycle)	WLAN	8.78	+9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 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, MCS4, 90pc duty cycle)	WLAN	8.89	+9.6
0700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.82	+9.6
0701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
0702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.86	+9.6
0703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.70	÷9.6
0704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.82	+9.6
0705	AAC	JEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.56	±9.6
0706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.69	±9.6
0707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duly cycle)	WLAN	8.66	±9.6
0708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.32	±9.6
0709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.55	±9.6
0710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.33	±9.6
0711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.29	+9.6
1712	AAC	IEEE 802.11ax (40 MHz. MCS5, 99oc duly cycle)	WLAN	8.39	±9.6
)713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.67	+9.6
)714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN WLAN	8.33	±9.6
715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duly cycle)		8.26	+9.6
)716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN WLAN	8.45	÷9.6
717	AAC	IEEE 802.11ax (40 MHz, MCS10, 990c duty cycle)	WLAN	8.30	+9.6
718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.48	+9.6
719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.24	+9.6
720	AAC	IEEE 802.11ax (80 MHz. MCS1, 90pc duty cycle)	WLAN	8.81	+9.6
721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.87	+9.6
722	AAC	IEEE 802.11ax (80 MHz, MCS3. 90pc duty cycle)	WLAN	8.76	+9.6
723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.55	±9.6
725	AAC	IEEE 802.11ax (80 MHz. MCS5, 90pc duly cycle)	WLAN	8.70	+9.6
726	AAC	IEEE 802.11ax (80 MHz. MCS6, 90pc duty cycle)	WLAN	8.90	+9.6
727	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN		+9.6
728	AAC AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duly cycle)	WLAN	8.72	+9.6
	AAC -	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	+9.6
	AAC AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	+9.6
	AAC	EEE 802.11ax (80 MHz, MCS0. 99pc duly cycle)	WLAN	8.42	±9.6
	AAC	EEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	± 9.6 + 9.6
	AAC	EEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	+9.6
_	AAC I	EEE 802 11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	+9.6
	AAC	EEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	+9.6
	AAC I	EEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	+9.6
— í-	AAC	EEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	+9.6
		EEE 802 11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	+9.6
_		EEE 802.11ax (80 MHz, MCS8, 99pc duty cycle) EEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	+9.6
	AAC I	EEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	+9.6
	AAC I	EEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	-9.6
	AAC	EEE 802.11ax (160 MHz. MCS0, 90pc duty cycle)	WLAN	8.43	+9.6
	AAC II	EE 802.11ax (160 MHz, MCSU, 90pc duty cycle)	WLAN	8.94	+9.6
_	AAC I	EE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
	AAC	EE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
	AAC II	EE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
— i—	AAC 1 1	EE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
	AAC IE	EE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
	AAC IE	EE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	+9.6
	AAC IE	EE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
	AC IE	EE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	+9.6
		and the mode, super duty cycle)	WLAN	8.81	+9.6

10753	AAC	Communication System Name IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	Group	PAR (dB)	Unc ^E k =
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	9.00	+9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS) 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, MCS2, 99pc duty cycle)	WLAN	8.77	+9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.69	+9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.58	+9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.49	+9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	+9.6
10763	AAC	IEEE 002.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	+9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	+9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle) IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	+9.6
10766	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	+9.6
10768	AAD	SG NB (CP.OEDM, 1 RB, SMHZ, OPSK, 15kHz)	5G NR FR1 TOD	7.99	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	-9.6
10771	AAD	5G NR (CP-OFDM, 1 RB. 20 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.02	+9.6
10772	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.02	<u>+9.6</u>
10773	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	
10774	AAD	SG NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	+9.6
10775	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD		+9.6
10776	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15kHz)	5G NR FRI TDD	8.31	+9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.30	
10778	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6 ±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB. 20 MHz. QPSK, 15 kHz)	5G NR FR1 TDD	8.34	+9.6
10780	AAD	5G NR (CP-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz)	5G NR FR1 TOD	8.42	
10781	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10783	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TOD	8.43	
10783	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	+.9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	+9.6
10786		5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	*9.6
10787	AAD AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	+9.6
10788	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, OPSK, 15 kHz)	5G NR FR1 TOD	8.44	+9.6
10789	AAD	5G NR (CP-OFDM. 100% RB, 30 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.39	
10790	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	+9.6
		5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	+9.6
	AAD	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.83	±9.6
	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	+9.6
	AAD	5G NR (CP-OFDM, 1 RB. 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	+9.6
	AAD -	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.82	+9.6
	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	
	AAD -	5G NR (CP-OFDM, 1 RB, 30 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	7.82	+9.6
	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	+9.6
	AAD AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	+9.6
	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6 +9.6
		5G NR (CP-OFDM, 1 RB. 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	
	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
		5G NR (CP-OFDM, 50% RB, 10 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	+96
		5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	19.6
	AAD !	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	+9.6
		5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
		5G NR (CP-OFDM, 100% RB, 5 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.35	+9.6
	AAD 9	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	+9.6
	AAD E	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	
	AD 6	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	+9.6
		5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	<u>+9.6</u>
<u> </u>	AD 5	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
		G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	·	+9.6
0824 A	AD 5	G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	+9.6
1000	AD 5	G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)		8.39	+9.6
			5G NR FRI TDO 1	0.44	
)827 A	AD 5	G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.41	+9.6

10825 10830 10831 10832 10833 10834 10835 10836 10837 10837 10840 10841 10843 10844	0 AAC 1 AAC 2 AAC 3 AAC 4 AAD 5 AAD 5 AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	Group 5G NR FR1 TDD 5G NR FR1 TDD 5G NR FR1 TDD 5G NR FR1 TDD		Unc ^E k = +9.6
10831 10832 10833 10834 10835 10836 10837 10837 10839 10840 10841 10843	1 AAC 2 AAC 3 AAC 4 AAD 5 AAD 6 AAD	 5G NR (CP-OFDM, 1 RB, 15MHz, OPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 kHz) 	5G NR FR1 TDD		+
10832 10833 10834 10835 10836 10837 10839 0840 0841 0843	2 AAD 3 AAD 4 AAD 5 AAD 5 AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 kHz)		7.63	
10833 10834 10835 10836 10837 10837 10839 10840 10843	AAD AAD AAD AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	; VUINA FALIDD		±9.6
10834 10835 10836 10837 10839 10849 10840 10843	AAD AAD AAD	5G NR (CP-OEDM 1 RR 25 MH- ODOK ASTRICT		7.73	-9.6
10835 10836 10837 10839 10839 10840 10841 10843	AAD	UPSK, 60 kHz)	5G NR FR1 TDD	7.74	+9.6
10836 10837 10839 10840 10841 10843	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, OPSK 60 kHz)	5G NR FR1 TDD	7.70	+9.6
10837 10839 10840 10841 10843		5G NR (CP-OFDM. 1 RB. 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	+9.6
10839 10840 10841 10843	440	5G NR (CP-OFDM, 1 RB. 50 MHz. OPSK, 60 kHz)	5G NR FR1 TOD	7.70	+9.6
10840 10841 10843	1 000	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	+9.6
10840 10841 10843	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	+9.6
10841 10843		50 HR (CP OF DW, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	i
10843			5G NR FR1 TDD		+9.6
			5G NR FR1 TDD	7.67	±9.6
100444			5G NR FR1 TOD	7.71	+9.6
	-	5G NR (CP-OEDM, 50% RB, 20 MHz, OPSK, 60 kHz)		8.49	±9.6
0846		5G NR (CP-OFDM, 50% RB, 30 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
0854		5G NR (CP-OFDM, 100% R8, 10 MHz, OPSK, 60 kHz)	5G NR FR1 TOD	8.41	±9.6
0855	AAD	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
0856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
0857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	+9.6
0858	AAD	56 NB (CP-OEDM 100% DG 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	
0859	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	<u>+9.6</u>
0860	<u> </u>	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD		+9.6
	AAD	5G NR (CP-OFDM, 100% RB. 50 MHz, OPSK, 60 kHz)		8.34	+9.6
0861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.41	÷9.6
0863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.40	+9.6
0864	AAD	5G NR (CP-OFDM, 100% RB. 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
0865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.37	+9.6
0866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	+9.6
0868	AAD	5G NR (DET & OEDM, 100% PD, 100 MHZ, OPSK, 30 kHz)	5G NR FR1 TDD	5.68	+9.6
0869	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, OPSK, 30 KHz)	5G NR FR1 TDD	5.89	
0870	<u> </u>	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, OPSK, 120 kHz)	5G NR FR2 TOD		±9.6
	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
0871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 160 AM, 120 kHz)		5.86	+9.6
0872		5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 160 AM, 120 FHz)	5G NR FR2 TDD	5.75	+9.6
0873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.52	+9.6
874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64OAM, 120 kHz)	5G NR FR2 TDD	6.61	+9.6
875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TOD	6.65	+9.6
876	AAE	5G NB (CP.OEDM, 100%, DD, 400110, 000KHZ)	5G NR FR2 TDD	7.78	+9.6
877	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 120 kHz)	5G NR FR2 TOD	8.39	+9.6
878	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	
879		5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD		+9.6
	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	+9.6
880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64 OAM, 120 kHz)		8.12	+9.6
881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, OPSK 120 kHz)	5G NR FR2 TDD	8.38	±9.6
882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	+9.6
883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 KHz)	5G NR FR2 TDD	5.96	+9.6
884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	+9.6
885	AAE	5G NB (DET & OEDM 1 DD 50 100	5G NR FR2 TDD	6.53	±9.6
886	AAE	5G NR (DFT-s-OFDM. 1 RB, 50 MHz, 64QAM. 120 KHz)	5G NR FR2 TDD	6.61	
887		5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 54QAM, 120 kHz)	5G NR FR2 TDD	6.65	+9.6
	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, OPSK 120 kHz)	5G NR FR2 TDD		+9.6
888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 120 kHz)		7.78	+9.6
_	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 160AM, 120 kHz)	5G NR FR2 TDD	8.35	+9.6
_	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz)	5G NR FR2 TDD	8.02	+9.6
391	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 640AM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
92	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
397	AAC	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 30kHz)	5G NR FR2 TDD	8.41	±9.6
	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	+9.6
_	AAB	56 NB (DET & OEDM + OD + COMPTER OF SK, 30 kHz)	5G NR FR1 TDD	5.67	
	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	
	AND -	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TOD		±96
_	AAB	5G NR (DFT's-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	+9.6
_	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, OPSK, 30 kHz)		5.68	+9.6
	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.68	+9.6
04 /	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.68	+9.6
05 7		5G NR (DFT-s-OFDM, 1 RB. 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	+9.6
06 /	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.68	+9.6
	AAC	SG NB (DET & OEDMA FOR OD TANK OPSK, 30kHz)	5G NR FR1 TDD	5.68	+9.6
	AAB	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	
		5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FA1 TDD		+9.6
	AAB S	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, OPSK, 30 kHz)		5.93	±9.6
10 4	AAB 3	5G NR (DFT-s-OFDM, 50% RB. 20 MHz. QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.96	±9.6

100	Rev	Communication System Name	Group		· · · · · · · · · · · · · · · · · · ·
10911				PAR (dB)	Unc ^E k
10912		5G NR (DF I-S-OFDM, 50% RB, 30 MHz, OPSK 30 kHz)	5G NR FR1 TDD		+9.6
10913		5G NR (DFT-s-OFDM, 50% RB, 40 MHz, OPSK 30 kHz)	5G NR FR1 TDD		±9.6
10914		5G NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10915		5G NR (DFT-s-OFDM, 50% RB, 60 MHz, OPSK, 30 kHz)	5G NR FR1 TDD		±9.6
0916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TOD		+9.6
0917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	+9.6
0918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.94	+9.6
0919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		÷ 9.6
0920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		+9.6
0921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	+9.6
0922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	+9.6
0923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, OPSK, 30 kHz)	5G NR FR1 TOD	5.82	+9.6
0924	AAB	5G NB (DET & OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
0925	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	+9.6
0926	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.95	+9.6
0927	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.84	+9.6
0928	AAC	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	
0929	·	SG NR (DFT-s-OFDM, 1 RB. 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	+9.6
0929	AAC	5G NR (DFT-S-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	+9.6
0930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15MHz, OPSK, 15kHz)	5G NR FR1 FDD		±9.6
	AAC	5G NR (DFT-s-OFDM, 1 RB. 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	+9.6
0932	AAC	5G NR (DFT/s-OFDM, 1 RB, 25MHz, OPSK, 15kHz)	5G NR FR1 FDD	5.51	+9.6
0933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, OPSK, 15kHz)	5G NR FR1 FDD	5.51	+9.6
0934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)		5.51	+9.6
935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, OPSK 15 kHz)	5G NR FR1 FDD	5.51	±9.6
936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5MHz, OPSK, 15kHz)	5G NR FR1 FDD	5.51	±9.6
937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, OPSK 15 kHz)	5G NR FR1 FDD	5.90	+9.6
938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15MHz, OPSK, 15kHz)	SG NR FR1 FDD	5.77	+9.6
939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	+9.6
940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	+9.6
941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	+9.6
942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15kHz)	5G NR FR1 FD0	5.83	+9.6
943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	+9.6
944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	+9.6
945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.85	±9.6
947	AAC	5G NB (DET & OFDM, 100% HB, 15 MHZ, OPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
948	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	+9.6
949	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	+9.6
	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	+9.6
— i-	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	-9.6
	AAA	5G NR (DFT-s-OFDM, 100% R8, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	+9.6
		5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	
		5G NR DL (CP-OFDM. TM 3.1, 10 MHz, 64-OAM, 15 kHz)	5G NR FR1 FDD		+9.6
	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 kHz)	5G NR FR1 FDD	8.15	+9.6
	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-OAM, 30 kHz)	5G NR FR1 FDD	8.42	+9.6
	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 30 kHz)	5G NR FR1 FDD	- 8.14	+9.6
	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 30 kHz)		8.31	+9.6
	AAA	5G NB DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	+9.6
	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.33	±9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-OAM, 15 kHz)	5G NR FR1 TDD	9.32	+9.6
62	AAB	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.36	+9.6
63	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	÷9.6
64	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
65	AAB	5G NR DL (CP-OFDM, TM 3.1. 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
66 /	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	19.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.55	+9.6
	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	+9.6
	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	9.49	+9.6
	AAB	5G NR (DFTs-OFDM, 1 RB, 100 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	11.59	+9.6
	AAB	5G NB (CP-OEDM 100% DD 100 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
		5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) ULLA BDR	5G NR FR1 TDD	10.28	±96
			ULLA	1.16	±9.6
			ULLA	8.58	
		JLLA HDR8	ULLA	10.32	+9.6
	AAA I	JLLA HDRp4		furni-	+9.6
+ _		JLLA HDRp8	ULLA	3.19	±9.6

10983	Rev AAA	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
10984		5G NR DL (CP-OFDM, TM 3.1. 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	+9.6
10985	1	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	+9.6
10986		5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10987		5G NR DL (CP-OFDM, TM 3.1. 50 MHz, 64-QAM, 30 KHz) 5G NR DL (CP-OFDM, TM 3.1. 60 MHz, 64-QAM, 30 KHz)	5G NR FR1 TDD	9.50	+9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	+9.6
10989	AAA	SG NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	-9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FRI TDD	9.33	±9.6
11003	AAA	SG NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 10 kHz)	5G NR FR1 TDD	9.52	+9.6
11004	AAA	SG NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	+9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	+9.6
11006	AÃA	5G NR DL (CP-OFDM, TM 3.1. 30 MHz, 64-OAM, 15 kHz)	5G NR FR1 FDD	8.70	+9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1. 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	+9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	+9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.51	+9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	+9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	+9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-OAM, 30 kHz)	5G NR FR1 FDD	8.96	+9.6
11013	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duly cycle)	5G NR FR1 FDD	8.68	+9.6
11014	AAA	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.47	+9.6
11015	AAA	IEEE 802.11be (320 MHz. MCS3, 99pc duty cycle)	WLAN	8.45	+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	8.44	±9.6
11018	AAA	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.41	+9.6
11019	AAA	IEEE 802.1 1be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.40	+9.6
11020	AAA	IEEE 802.11be (320 MHz, MCS7, Septe duty cycle)	WLAN	8.29	÷9.6
11021	AAA	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.27	+9.6
11022	AAA	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.46	+9.6
11023	AAA	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	+9.6
11024	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.09	+9.6
11025	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	+9.6
11026	AAA	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	+9.6
		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

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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.	EX-7558_Sep23
CAL	IBRATION C	ERTIFICATE	실무	자 기수채이지
Object		EX3DV4 - SN:7558	T~	e //
Calibrat	ion procedure(s)	QA CAL-01.v10, QA CAL- QA CAL-25.v8 Calibration procedure for c	·	
Calibrat	ion date	September 12, 2023		
		cuments the traceability to national stand incertainties with confidence probability		
All calib	rations have been cor	nducted in the closed laboratory facility:	environment temperature ((22 ± 3) $^{\circ}$ C and humidity < 70%.
Calibrat	ion Equipment used (M&TE critical for calibration)		

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
OCP DAK-3.5 (weighted)	SN: 1249	20-Oct-22 (OCP-DAK3.5-1249_Oct22)	Oct-23
OCP DAK-12	SN: 1016	20-Oct-22 (OCP-DAK12-1016_Oct22)	Oct-23
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660_Mar23)	Mar-24
Reference Probe ES3DV2	SN: 3013	06-Jan-23 (No. ES3-3013 Jan23)	Jan-24

ID	Check Date (in house)	Scheduled Check
SN: GB41293874	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
SN: MY41498087	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
SN: 000110210	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
SN: US3642U01700	04-Aug-99 (in house check Jun-22)	In house check: Jun-24
SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
	SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700	SN: GB41293874 06-Apr-16 (in house check Jun-22) SN: MY41498087 06-Apr-16 (in house check Jun-22) SN: 000110210 06-Apr-16 (in house check Jun-22) SN: US3642U01700 04-Aug-99 (in house check Jun-22)

	Name	Function	Signature
Calibrated by	Aidonia Georgiadou	Laboratory Technician	ATEL
Approved by	Sven Kühn	Technical Manager	
This calibration certificate shall r	not be reproduced except in full with	nout written approval of the laborat	Issued: September 12, 2023 bry.

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Swiss Calibration Service

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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 8	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 ± 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 $(\mu V/(V/m)^2)^A$	0.48	0.52	0.66	±10.1%
DCP (mV) B	103.3	99.7	100.3	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E
: 				V F					k = 2
0	CW	X	0.00	0.00	1.00	0.00	176.4	±3.3%	±4.7%
		Y	0.00	0.00	1.00		170.9		
		Z	0.00	0.00	1.00		160.6		: !
10352	Pulse Waveform (200Hz, 10%)	X	84.00	104.00	23.00	10.00	60.0	±3.1%	±9.6%
		Y	5.50	73.62	13.64	ĺ	60.0		
		Z	20.00	91.97	21.18		60.0	1	
10353	Pulse Waveform (200Hz, 20%)	X	20.00	90.07	18.64	6.99	80.0	±1.9%	±9.6%
		Γ Υ	20.00	86.04	16.41		80.0	1	
		Z	20.00	93.99	21.15		80.0	1	
10354	Pulse Waveform (200Hz, 40%)	X	20.00	90.50	17.34	3.98	95.0	±1.3%	±9.6%
		Y	20.00	86.94	15.70		95.0	1	
		Z	20.00	97.61	21.50		95.0	1	
10355	Pulse Waveform (200Hz, 60%)	X	20.00	87.79	14.77	2.22	120.0	±1.1%	±9.6%
		Y		88.23	15.27		120.0	;	
		Z	20.00	100.23	21.33		120.0	-	
10387	QPSK Waveform, 1 MHz	Х	1.55	65.13	14.16	1.00	150.0	±2.7%	±9.6%
		Y	1.64	66.52	15.00		150.0	•	
		Z	1.54	64.50	13.97		150.0		
10388	QPSK Waveform, 10 MHz	X	2.08	67.08	15.00	0.00	150.0	±0.9%	±9.6%
		Y	2.20	68.12	15.78		150.0	1	
		Z	2.03	66.34	14.69		150.0		
10396	64-QAM Waveform, 100 kHz	X	r i	69.63	18.20	3.01	150.0	±0.7%	±9.6%
		Y	2.83	70.60	18.95		150.0	*	
		Z	3.12	71.13	19.06		150.0		
10399	64-QAM Waveform. 40 MHz	X	3.42	66.72	15.44	0.00	150.0	±2.1%	±9.6%
		Y	3.49	67.18	15.81		150.0		
		Z		66.32	15.24		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.82	65.52	15.40	0.00	150.0	±4.0%	±9.6%
		Y	4.83	65.73	15.60		150.0		
		Z	4.78	65.20	15.22		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%.

 $\frac{A}{2}$ 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 held 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	Tt msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V 2	T5 V ⁻¹	T6
X	46.6	350.54	35.96	10.61	0.27	5.08	0.67	0.38	1.01
У	41.7	312.87	35.76	14.79	0.00	5.04	1.15	0.21	1.01
Z	48.0	359.27	35.57	15.74	0.12	5.10	1.39	0.28	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-159.6*
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	
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	10.37	10.37	10.37	0.36	1.00	±12.0%
835	41.5	0.90	9,92	9.92	9.92	0.36	0.93	±12.0%
1750	40.1	1.37	8.94	8.94	8.94	0.37	0.86	±12.0%
1900	40.0	1.40	8.68	8.68	8.68.	0.34	0.86	±12.0%
2300	39.5	1.67	7.93	7.93	7.93	0.32	0.90	±12.0%
2450	39.2	1.80	7.64	7.64	7.64	0.30	0.90	±12.0%
2600	39.0	1.96	7.42	7.42	7.42	0.32	0.90	±12.0%
3500	37.9	2.91	7.07	7.07	7.07	0.30	1.35	±14.0%
3700	37.7	3.12	6.94	6,94	6.94	0.30	1.35	±14.0%
3900	37.5	3.32	6.59	6.59	6.59	0.40	1.60	±14.0%
5250	35.9	4.71	5.32	5.32	5.32	0.40	1.80	±14.0%
5600	35.5	5.07	4.77	4.77	. 4.77	0.40	1.80	±14.0%
5750	35.4	5.22	4.86	4.86	4.86	0.40	1.80	±14.0%
5850	35.2	5.32	4.69	4.69	4.69	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. 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.

Parameters of Probe: EX3DV4 - SN:7558

Calibration Parameter Determined in Body 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	55.5	0.96	10.50	10.50	10.50	0.42	0.80	±12.0%
835	55.2	0.97	10.15	10.15	10.15	0.32	0.96	±12.0%
1750	53.4	1.49	8.40	8.40	8.40	0.37	0.86	±12.0%
1900	53.3	1.52	8.32	8.32	8.32	0.34	0.86	±12.0%
2300	52.9	1.81	7.88	7.88	7.88	0.34	0.90	±12.0%
2450	52.7	1.95	7.70	7.70	7.70	0.27	0.90	±12.0%
2600	52.5	2.16	7.49	7.49	7.49	0.31	0.90	±12.0%
3500	51.3	3.31	6.77	6.77	6.77	0.40	1.35	±14.0%
3700	51.0	3.55	6.55	6.55	6.55	0.40	1.35	±14.0%
3900	50.8	3.78	6.22	6.22	6.22	0.40	1.70	±14.0%
5250	48.9	5.36	4.81	4.81	4.81	0.50	1.90	±14.0%
5600	48.5	5.77	4.19	4.19	4.19	0.50	1.90	±14.0%
5750	48.3	5.94	4.33	4.33	4.33	0.50	1.90	±14.0%
5850	48.1	6.06	4.24	4.24	4.24	0.50	1.90	±14.0%

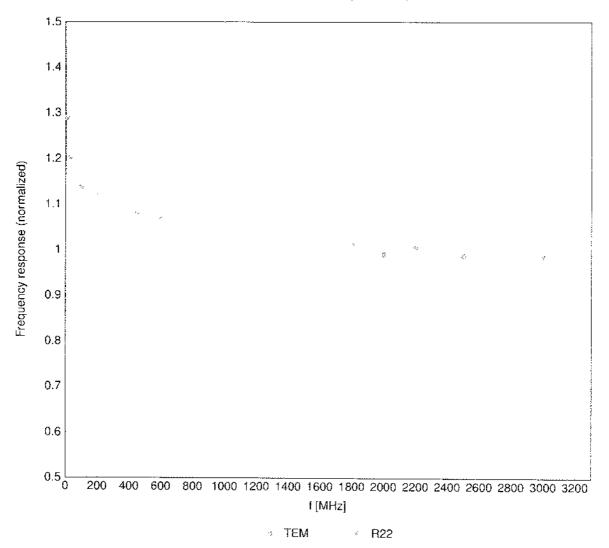
^C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±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.

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

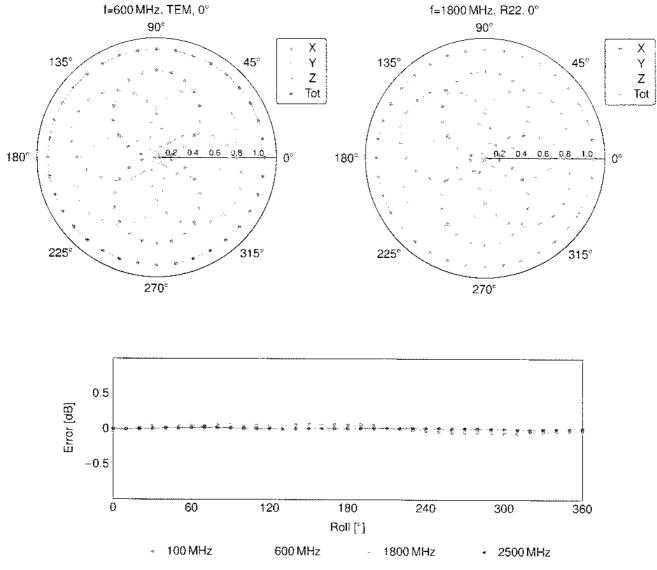
^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than $\pm 1\%$ for frequencies below 3 GHz and below $\pm 2\%$ for frequencies between 3–6 GHz at any distance larger than half the probe tip diameter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

Frequency Response of E-Field

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

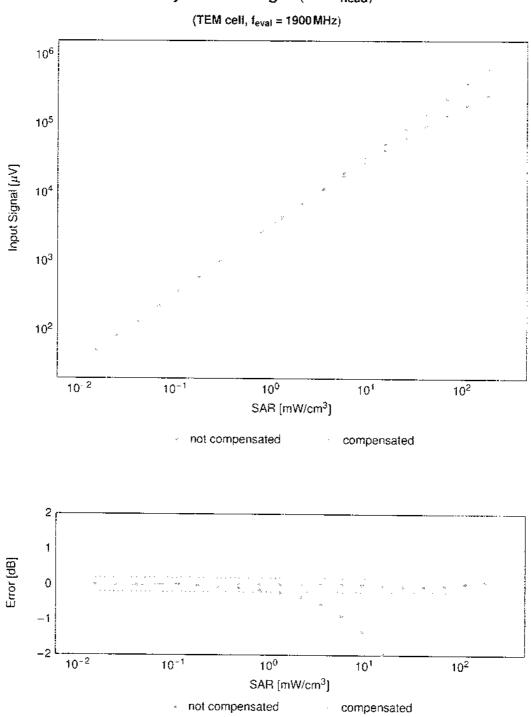


Uncertainty of Frequency Response of E-field: ±6.3% (k=2)



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

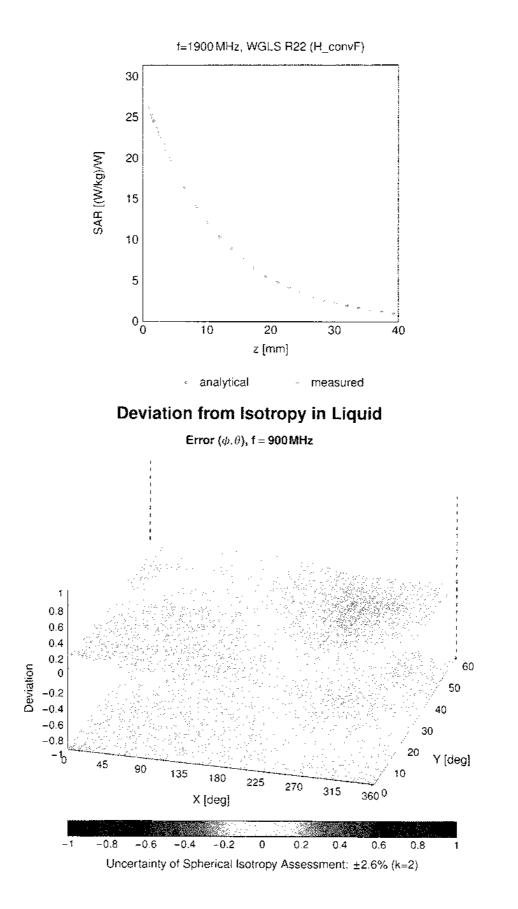
Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)



Dynamic Range f(SAR_{head})

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	<u>9.6</u>
10023	DAC	GPRS-FDD (TDMA, GMSK) TN 0)	GSM	9.57	+9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM		
10024	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)		6.56	±9.6
<u> </u>	DAC		GSM	12.62	÷9.6
10026		EDGE-FDD (TOMA, 8PSK, TN 0-1)	GSM	9.55	
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)	Bluelooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluelooth (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)	Bluelooth	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	19.6
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	THE PARTY OF THE P
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)			±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.12	+9.6
10061		IEEE 802.11b WiFi 2.4 GHz (DSSS, 3.5 Mbps)	WLAN	2.83	+9.6
10062	CAB CAD		WLAN	3.60	±9.6
10063		IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.68	±9.6
	CAD		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	+96
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM. 36 Mbps)	WLAN	10.12	+9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	; WLAN	10.24	£9.6
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	+9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	÷9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	-9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	÷9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	÷9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	+9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	+9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4,77	+9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	+9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98 į	±9.6
10098	CAC	UMTS-FDD (HSUPA, Sublest 2)	WCDMA	·	
10099	DAC	EDGE-FDD (TDMA: 8PSK, TN 0-4)	GSM	3.98	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)		9.55	+9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 0PSK)	LTE-FDD	5.67	+9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MH2, 16-QAM)	LTE-FDD	6.42	+96
			LTE-FDD	6.60	1.9.6
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	+9.6
	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	+9.6
10109	-				
10109 10110 10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK) LTE-FDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-FDD	5.75	÷9.6

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DIU	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		IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	(+9.6
10115		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		IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	+9.6
10140		LTE-FDD (SC-FDMA, 100% RB. 15 MHz, 16-QAM)	LTE-FDD	6.49	+9.6
10141		LTE-FDD (SC-FDMA. 100% RB. 15 MHz, 64-QAM)	i LTE-FDD	6.53	-9.6
in	CAF		LTE-FDD	5.73	÷9.6
10143	CAF	LTE-FDD (SC-FDMA. 100% RB. 3 MHz, 16-OAM)	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		LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	+9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	+9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	+9.6
10149		LTE-FDD (SC-FDMA. 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA. 50% RB, 20 MHz. 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH		LTE TDD	9.28	÷9.6
10152	CAH		LTE-TDD	9.92	÷9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz. 64-QAM)	LTE TDD	10.05	±9.6
10154		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	· · · · · · · · · · · · · · · · · · ·	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FOD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB. 5 MHz, 16-QAM)	LTE-FDD	6.49	+:9.6
10158		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-OAM)	LTE-FDD	6.56	+9.6
10160		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-OAM)	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	<u> </u> 6.21	÷9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	<u>+9.6</u>
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170		LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
<u> </u>	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	+	LTE-TDD (SC-FDMA, 1 RB. 20 MHz, OPSK)	LTE-TDD	9.21	+9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TOD	9.48	÷9.6
10174		LTE-TDD (SC-FDMA, 1 RB. 20MHz, 64-QAM)	LTE-TDD	10.25	÷9.6
10175			LTE-FDD	5.72	+9.6
10177	CAJ	LTE-FDD (SC-FDMA, TRB, 5MHz, QPSK)	LTE-FDD	6.52	÷9.6
10178		LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-FDD	5.73	÷9.6
10178	CAH			6.52	÷9.6
10180	CAH		LTE-FDD	6.50	£9.6
10180	CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-UAM)	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, 16-QAM)	LTE-FDD	6.52	+9.6
10183	CAF	LTE-FDD (SC-FDMA, TRB. 15 MHz, 64-QAM)	LTE-FDD	6.50	+9.6
10184	CAF	LTE-FDD (SC-FDMA, TRB, 3MHZ, GPSK)	LTE-FDD	5.73	+9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.51	÷9.6
10186	CAG		LTE-FDD	6.50	-9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1,4 MHz, 16-OAM)	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
10103	CAD	IEEE 802.11n (HT Greenfield, 6,5 Mbps, BPSK)	UTE-FDD WLAN	6.50	+9.6
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)		8.09	+9.6
10195	CAD	IEEE 802.11n (HT Greenfield, 55 Mbps, 64-QAM)	WLAN 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)		8.10	+9.6
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.13	+9.6
10219	ÇAD	IEEE 802.11n (HT Mixed, 22Mops, 64-0AM)	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, 42.3 Mbps, 16-CAM)		8.13	+9.6
10222		IEEE 802.11n (HT Mixed, 12.2 Mbps, 84-04-00)	WLAN	8.27	+9.6
	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.06	+9.6
10223	: UAU -				
10223 10224		EEE 802.11n (HT Mixed. 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

	Rev	Communication System Name	Group	PAR (d8)	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-TOD	9.19	+9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 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-TOD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA. 1 RB, 10 MHz. 16-OAM)	LTE-TOD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA. 1 RB, 10 MHz, 64-QAM)	LTE-TOD	10.25	+9.6
10237	CAH	LTE-TDD (SC-FDMA. 1 RB, 10 MHz. QPSK)	LTE-TDD	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-TDO (SC-FOMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	+9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE TOD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TOD	9.82	+9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB. 1.4 MHz. 64-QAM)	LTE-TOD	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-TOD	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-TOD	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-OAM)	LTE-TDD	9.81	+9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz. 64-QAM)	LTE TOD	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-TOD	10.14	÷9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TOD	9.20	÷9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TOD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB. 1.4 MHz. 64-QAM)	LTE-TDD	10.08	+9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TOD	9.34	±9.6
10259	CAE	LTE-TOD (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-TOD	9.97	+9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	÷9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TOD	9.83	÷9.6
10263	CAH	LTE-TOD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TOD	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-TOD	9.92	+9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TOD	10.07	+9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TOD	9.30	+9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TOD	10.06	+9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	+9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TOD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	÷9.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	+9.6
10277	CAA	PHS (QPSK)	PHS	11.81	+9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	+9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	÷9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	÷9.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	-9.6
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	÷9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8/h Rate 25 /r.	CDMA2000	12.49	+9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	+9.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	+9.6
10299	AAE	1TE-F0D (SC-FDMA. 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	AAE	LTE-FDD (SC-FDMA. 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	+9.6
10301	AAA	IEEE 802.16e WIMAX (29:18.5 ms, 10 MHz. QPSK, PUSC)	WiMAX	12.03	+9.6
10302	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WiMAX	12.57	±9.6
10303	AAA	IEEE 802.16e WIMAX (31:15.5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	+9.6
10304	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	[WIMAX	11.86	÷9.6
10305	AAA	IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WiMAX	15.24	÷9.6
10306	AAA		WIMAX	14.67	+9.6

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10307	AAA	1EEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	I 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	4:9.6
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, OPSK)	LTE-FDD	6.06	÷9.6
10313	AAA	IDEN 1:3	iD EN	10.51	±9.6
10314	AAA	IDEN 1:6	IDEN	13.48	+9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM. 6 Mbps, 96pc duty cycle)	WLAN	8.36	-9.6
10352	AAA	Pulse Waveform (200Hz. 10%)	Generic	10.00	÷9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	÷9.6
10354	AAA	Pulse Wavetorm (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	OPSK Waveform, 1 MHz	Generic	5.10	-9.6
10388	AAA	OPSK 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
}	AAE	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	+9.6
10401		IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	-	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	+9.6
Sam	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, OPSK. UL Subframe=2,3,4.7,8.9. Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CODF, 64-QAM, 40 MHz	Generic		±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS. 1 Mbps, 99pc duty cycle)	WLAN	8.54	
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	+9.6 +9.6
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN		
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.23	÷9.6
10419	AAA	IEEE 802.11g Will 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)		8.14	<u>+ #9.6</u>
10422		IEEE 802.11rg WIFI 2.4 GHz (0535-0FD/W, 6 Mibps, 99pc duty cycle, Short preambule)	WLAN	8,19	<u>+9.6</u>
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mops, BPSK)	WLAN	8.32	÷9.6
10424	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-0AM)	WLAN	8.47	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mops. 84-0AM)	WLAN	8.40	1.9.6
10425	AAC		WLAN	8.41	+9.6
10420	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) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	WLAN	8.41	÷9.6
10430	i		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, 15MHz, E-TM 3.1)	LTE-FDD	8.34	-:9.6
	:	LTE-FDD (OFDMA. 20MHz, E-TM 3.1)	LTE-FDD	8.34	+9.6
10434	÷	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	÷9.6
10435	<u> </u>	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, OPSK, 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, 15MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	+9.6
10451	AAB	W-CDMA (BS Test Model 1. 64 DPCH, Clipping 44%)	WCDMA	7.59	+9.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	+9.6
10456	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	+9.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	1.9.6
10450	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	+9.6
10458					
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	+9.6
10459 10460	AAA AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	+9.6
10459 10460 10461	AAA AAB AAC	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1,4 MHz, QPSK, UL, Subframe=2,3,4,7,8,9)			
10459 10460 10461 10462	AAA AAB AAC AAC	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL, Subframe=2,3.4,7,8.9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL, Subframe=2,3.4,7,8,9)	WCDMA LTE-TDD LTE-TDD	2.39	+9.6
10459 10460 10461 10462 10463	AAA AAB AAC AAC AAC	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3.4,7,8.9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3.4,7,8,9)	WCDMA LTE-TDD	2.39 7.82	+ 9.6 + 9.6
10459 10460 10461 10462 10463 10464	AAA AAB AAC AAC AAC AAC	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL, Subframe=2,3.4,7,8.9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL, Subframe=2,3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL, Subframe=2,3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL, Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD LTE-TDD	2.39 7.82 8.30	+9.6 9.6 9.6
10459 10460 10461 10462 10463 10464 10464	AAA AAB AAC AAC AAC AAD AAD	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3.4,7,8.9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 8.56	+ 9.6 9.6 9.6 9.6
10459 10460 10461 10462 10463 10464 10465 10465	AAA AAB AAC AAC AAC AAD AAD AAD	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3.4,7,8.9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 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)	WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 8.56 7.82	+9.6 -9.6 -9.6 -9.6 +9.6 +9.6
10459 10460 10461 10462 10463 10464 10465 10465 10466 10467	AAA AAB AAC AAC AAC AAD AAD AAD AAD	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 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) 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)	WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 8.56 7.82 8.32	+9.6 -9.6 -9.6 +9.6 +9.6 +9.6 +9.6
10459 10460 10461 10462 10463 10463 10464 10465 10466 10467 10468	AAA AAB AAC AAC AAC AAC AAD AAD AAD AAD AAG	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 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) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 8.56 7.82 8.32 8.32 8.57	+9.6 +9.6 +9.6 +9.6 +9.6 +9.6 +9.6 +9.6
10459 10460 10461 10462 10463 10464 10465 10465 10466 10467 10468 10469	AAA AAB AAC AAC AAC AAC AAD AAD AAD AAD AAG AAG	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 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) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 7.82 8.56 7.82 8.32 8.57 7.82	+ 9.6 + 9.6 + 9.6 + 9.6 + 9.6 + 9.6 + 9.6 + 9.6 + 9.6
10459 10460 10461 10462 10463 10463 10464 10465 10466 10467 10468	AAA AAB AAC AAC AAC AAC AAD AAD AAD AAD AAG	UMTS-FDD (WCDMA, AMR) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 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) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	WCDMA LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	2.39 7.82 8.30 8.56 7.82 8.52 8.57 7.82 8.57 7.82 8.32	+ 9.6 - 9.6 - 9.6 - 9.6 - 9.6 + 9.6 + 9.6 + 9.6 + 9.6 + 9.6 + 9.6

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10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3.4.7.8,9)	LTE-TDD	8.57	+9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3.4,7,8,9)	LTE-TDD	7.82	+9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2.3.4.7,8,9)	LTE-TDD	8.32	÷9.6
10475	AAF_	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	÷9.6
10477	AAG	LTE-TDD (SC-FDMA. 1 RB. 20 MHz, 16-QAM. UL Subframe=2.3,4,7.8,9)	LTE-TOO	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 Subirame=2.3,4.7.8.9)	LTE-TDD	7.74	+9.6
10480	AAC	LTE-TDD (SC-FDMA. 50% RB, 1.4 MHz, 16-OAM, 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-TOD	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-TOD	8.47	-9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB. 5 MHz, QPSK, UL SubIrame=2.3.4.7.8.9)	LTE-TOD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, \$MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.38	+9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB. 5 MHz, 64-OAM. UL Subframe=2.3.4.7.8.9)	LTE-TOD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2.3,4.7,8.9)	LTE-TOD	7.70	+9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sublrame=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sublrame=2,3,4,7,8,9)	LTE-TOD	8.31	+9.6
10490	AAF	LTE-TDD (SC-FDMA, 50% HB, 10 MHz, 54-QAM, 0L Subframe=2.3,4,7,8,9) LTE-TDD (SC-FDMA, 50% BB, 15 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TOD	8.54	+9.6
10491	AAF	LTE-TOD (SC-FDMA, 50% RB, 15 MHz, QFSK, UL Subirame=2.3,4.7,8.9)	LTE-TDD	7.74	<u>+9.6</u>
10492	AAF	LTE-TDD (SC-FDMA, 50% RB. 15 MHz, 16-QAM, UL Subframe=2.3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.41	+9.6
10493	AAG	LTE-TUD (SC-FDMA, 50% RB, 15 MHz, 54-QAM, UL Subframe=2,3,4,7,8,9) LTE-TUD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subirame=2.3,4,7,8,9)	LTE-TDD	7.74	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subirarie=2.3,4.7,6,9)		8.37	+9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subirarie=2,3,4,7,8,9)	LTE-TDD	8.54	+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	7.67	±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	8.40	+9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subirame=2,3,4,7,8,9)	LTE-TDD	8.68 7.67	+9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.44	+9.6 ±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM. UL Subframe=2,3,4,7.8.9)		8.52	+9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subframe=2.3.4.7.8.9)		7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subframe=2,3.4,7,8.9)		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-TOD	8.54	+9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 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 Subirame=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-TOD	8.51	+9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2.3.4.7.8,9)	LTE-TDD	7.74	+9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	+96
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2.3.4,7,8,9)	LTE-TOD	8.45	+9.6
10515	• • • • • • • • • • • • • • • • • • • •		WLAN	1.58	+9.6
10516	÷	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	+9.6
10517	<u>i</u>	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	+9.6
10518		IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	÷9.6
10519	<u> </u>	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	<u>. </u>	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	÷9.6
10521 10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	+9.6
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	-9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duly cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duly cycle)	WLAN	8 08	÷9.6
10524	AAC	IEEE 802.11a/n WIFI 5 GHZ (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	+9.6
10528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	+9.6
10527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 990c duty cycle)	WLAN	8.21	+9.6
10529	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	; WLAN	8.36	+9.6
10029 -	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN WLAN	8.36	±9.6
10529		IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.43 8.29	÷9.6
<u> </u>	AAC			: 029	+9.6
10531	AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99oc duty cycle)			
10531 10532	·	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	+9.6
10531 10532 10533	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duly cycle) IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN WLAN	8.38 8.45	+9.6
10531 10532 10533 10534	AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN WLAN WLAN	8.38 8.45 8.45	+9.6 +9.6
10531 10532 10533 10534 10535	AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duly cycle) IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN WLAN WLAN WLAN	8.38 8.45 8.45 8.32	+9.6 +9.6 +9.6
10531 10532 10533 10534 10535 10536	AAC AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN WLAN WLAN	8.38 8.45 8.45	+9.6 +9.6

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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 duly 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 duly 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	<u>.</u> , 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	+96
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 duly 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 duly 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 10596	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 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		IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	+9.6
10603	AAC AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	+9.6
10605	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) IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.97	÷9.6
10608	AAC		WLAN	8.82	±9.6
10608	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0. 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.64	+9.6
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UID	Rev	Communication System Name	Crown	PAR (dB)	Unc ^E $k = 2$
10609	AAC	EEE 802.11ac WiFi (20 MHz, MCS2, 90pc duly cycle)	Group WLAN	8.57	Unc-kr = 2 -+9.6
10610	AAC	IEEE 802.11ac WiFi (20 MHz. MCS3, 90pc duly cycle)	WLAN	8.78	-9.6 -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	+96
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	<u></u> 9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz. MCS5, 90pc duly 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	+96
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 duly 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 duly 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) IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAD	IEEE 802.11ac WIFI (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.83	+9.6
10638	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	+9.6
10639	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	+9.6
10640	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN	8.85	+9.6
10641	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duly cycle)	WLAN	8.98	±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	9.00	+9.6
10644	AAD	IEEE 802.11ac WiFi (160 MHz. MCS8, 90pc duty cycle)	WLAN	9.05	+9.6
10645	AAD	IEEE 802.11ac WiFi (160 MHz. MCS9. 90pc duty cycle)	WLAN	9.11	+9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10647	AAG	LTE-TDD (SC-FDMA. 1 RB, 20 MHz, QPSK, UL Subirame=2.7)	LTE-TOD	11.96	+9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	+9.6
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	+9.6
10653	AAF	LTE-TDD (OFDMA. 10MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	÷9.6
10654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1. Clipping 44%)	LTE-TDD	6.96	±9.6
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	+9.6
10658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	+9.6
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	+9.6
10660	AAB	Pulse Waveform (200Hz. 40%)	Test	3.98	+9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	+9.6
10662	AAB	Pulse Waveform (200Hz. 80%)	Test	0.97	÷9.6
10670	AAA	Bluetooth Low Energy IEEE 802.11ax (20 MHz, MCS0. 90pc duty cycle)	Bluetooth	2.19	-9.6
10671	AAC	IEEE 802.11ax (20 MHz, MCSU, 90pc duty cycle)	WLAN	9.09	±9.6
10672	AAC	IEEE 802.11ax (20MHz, MCS1. 90pc duty cycle)	WLAN	8.57	±9.6
10674	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	÷9.6
10675	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	+9.6
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN WLAN	8.90	+9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.77	+9.6
10678	AAC	IEEE 802.11ax (20 MHz. MCS7, 90pc duty cycle)	WLAN	8.73	+9.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duly cycle)	WLAN	8.78	±9.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.89	19.6
10681	AAC	IEEE 802.11ax (20 MHz. MCS10, 90pc duly cycle)	WLAN	8.62	+ 9.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duly cycle)	WLAN	8.83	+9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	+9.6
, 10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6
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CIV	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 duly 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 duly 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 duly cycle)	WLAN	8.91	+9.6
10697	AAC	IEEE 802.11ax (40 MHz. MCS2. 90pc duly 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	+96
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		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	<u>=9.6</u>
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)	j 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	79.6
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 duly 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) IEEE 802.11ax (80 MHz, MCS3, 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	ÄAC		WLAN	8.33	÷9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	+9.6
10737		IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	+9.6
10738	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) IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.40	+9.6
10742	AAC	IEEE 802.11ax (60 MHz, MCS11, 990c duty cycle)	WLAN	8.43	+9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle) IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.94	+9.6
10745	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	+96
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	+96
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.04	±9.6
10745	AAC		WLAN	8.93	+9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duly cycle)		8.90	÷9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duly cycle) IEEE 802.11ax (160 MHz, MCS8, 90pc duly cycle)	WLAN	8.79	÷9.6
10751	AAC		WLAN	8.82	÷9.6
	I AAU	IEEE 802.11ax (160 MHz. MCS9, 90pc duly cycle)	WLAN	i 8.81	±9.6

CUD	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		WLAN	8.94	÷9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	+9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	+9.6
10758	AAC	IEEE 802.11ax (160 MHz. MCS3, 99pc duty cycle)	WLAN	8.69	+9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	+9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	+9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	+9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	+9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	+9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10. 99pc duly 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 TOD	8.01	+9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 15 kHz)	5G NR FR1 TOD	8.02	+9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, OPSK, 15 kHz)	5G NR FR1 TOD	8.02	+9.0
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	+9.6 +9.6
10774	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, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.02	
10776	AAD	5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FR1 TDD		+9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 KHz)		8.30	<u>+9.6</u>
	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.30	-9.6
10779	AAC			8.34	÷9.6
10779	AAD	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) 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, 15kHz)	5G NR FR1 TDD	8.38	<u>∸9.6</u>
10782	AAD	5G NR (CP-OFDM: 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAE		5G NR FR1 TDD	8.43	±9.6
10784	AAD	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	÷9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	+9.6
10786	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.40	+9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	+9.6
10788	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.44	±.9.6
10789	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.39	±96
10789		5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAD AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	+9.6
10792	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	7.83	±9.6
10793	AAD		5G NR FR1 TDD	7.92	+9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	+9.6
			5G NR FR1 TDD	7.82	+9.6
10795		5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	÷9.6
10796 10797	AAD	SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	÷9.6
	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
		5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803 10805		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 FR1 TDD	8.34	+9.6
10806	AAD		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, 30kHz)	5G NR FR1 TDD	8.35	÷9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.34	+9.6
10819	AAD		5G NR FR1 TDD	8.33	+9.6
10820	AAD	5G NR (CP-OFDM, 100% RB. 20 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.30	+9.6
10821	AAD		5G NR FR1 TDD	8.41	+9.6
10822	AAD		5G NR FR1 TDD	8.41	±9.6
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.36	1.9.6
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	8.39	+9.6
	AAD	5G NR (CP-OFDM, 100% RB. 60 MHz. QPSK, 30 kHz)	5G NR FR1 TOD	8.41	+9.6
i	0.00				
10825	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.42 8.43	.+9.6

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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	<u>; </u>	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, OPSK, 60 kHz)	5G NR FR1 TDD	7.75	+9.6
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	+9.6
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, OPSK, 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, OPSK, 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, OPSK, 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. 15MHz, 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 TOD	8 37	+9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.35	+9.6
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 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, OPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAD AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	-9.6
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	+9.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.37	+9.6
10866	AAD	5G NR (DFT-S-OFDM, 100% RB, 100 MHz, OPSK, 30 kHz)	· ····································	8.41	±9.6
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.68 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 +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	SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 16OAM, 120 kHz)	5G NR FR2 TDD		÷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, 640AM, 120 kHz)	5G NR FR2 TDD	6.65	+9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD		-9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	+9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 160AM, 120 kHz)	5G NR FR2 TDD	7.95	÷9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	-9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64OAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-OFDM. 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	.: 9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	∺9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	÷9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	<u>∸9.6</u>
10887 10888	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	<u>∸9.6</u>
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.35	+9.6
10890	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	+9.6
10891	AAE	5G NR (CP-OFDIA, 100% RB, 50 MHz, 150 AM, 120 kHz)	5G NR FR2 TDD	8 40	+9.6
10892	AAE	5G NR (CP-OFDM, TRB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD 5G NR FR2 TDD	8.13	-9.6
10897	AAC	5G NR (CF-OFDM: 100% RD: 50 MHz; 040AM; 120 KHz)	5G NR FR1 TDD	8.41 5.66	+9.6
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	+9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	<u>+</u> 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	<u>9.6</u>
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	-9.6
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904	AAB	5G NR (DFT-s-OFDM. 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	÷9.6
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz. QPSK, 30 kHz)	5G NR FR1 TDD	5.68	+9.6
10906	AAB	5G NR (DFT-s-OFDM, 1 RB. 80 MHz, QPSK. 30 kHz)	5G NR FR1 TDD	5 68	-9.6
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5 78	÷9.6
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	• 9.6
10909	AAB	5G NR (DFT-s-OFDM, 50% RB. 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
10910	AAB	SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	÷9.6

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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		5G NR (DFT-s-OFDM, 50% RB. 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		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		5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	i	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	+9.6
10917	<u>. </u>	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, 5MHz, 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, OPSK, 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, OPSK, 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, 15MHz, QPSK, 15kHz)	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, 25MHz, QPSK, 15kHz)	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	<u>÷9.6</u>
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% R8, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	+9.6
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	÷9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB. 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	+9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	+9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	19.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	+9.6
	AAD	5G NR (DF-I-S-OFDM, T00% RB, 50MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.92	±9.6
			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 DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	+96
10955	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 DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 35 kHz)	5G NR FR1 FDD	8.42	- 9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	8.14	+9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	5G NR FR1 FDD 5G NR FR1 FDD	8.31	+9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	+9.6
10960	AAC	5G NR DL (CP-OFDM. TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR FRI FDD	8.33 9.32	+9.6
10961	AAB	5G NR DL (CP-OFDM. TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	+9.6
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	+9.6
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30 kHz)	5G NR FRI TDD	9.55	+9.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1. 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	+9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.57	+9.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	+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 R8, 20 MHz, OPSK, 15 kHz)	5G NR FRI TDO	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	+96
10978	AAA	ULLA BDR	ULLA	1.16	+9.6
10979	AAA	ULLA HDR4	ULLA	8.58	9.6
10980	AAA	ULLA HDR8	ULLA	10.32	÷9.6
10981	AAA	ULLA HDRp4	ULLA	3.19	- <u></u>
10982	AAA	ULLA HDRp8	ULLA	3.43	-9.6
i					

	Rev	Communication System Name	Group	PAR (dB)	Unc ^E <i>k</i> = 2
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-OAM, 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-OAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM. TM 3.1. 70 MHz. 64-QAM. 30 kHz)	5G NR FR1 TDD	9.38	÷9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	÷9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	÷9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	+9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz. 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	·±9.6
11005	AAA	5G NR DL (CP-OFDM. TM 3.1, 25 MHz. 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	+9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	+9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±9.6
11009	AAA	5G NR DL (CP-OFDM. TM 3.1, 25 MHz. 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	+9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	+9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz. 64-OAM, 30 kHz)	5G NR FR1 FDD	8.68	+9.6
11013	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	+9.6
11014	AAA	IEEE 802.11be (320 MHz, MCS2. 99pc duty cycle)	WLAN	8.45	+9.6
11015	AAA	IEEE 802.11be (320 MHz. MCS3, 99pc duty cycle)	WLAN	8.44	+9.6
11016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	+96
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 duly 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	<u>÷9.6</u>
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



Schweizerischer Kalibrierdienst S

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

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

Accreditation	No.:	SCS	0108
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Client	Element		Certificate No: D3500V2-1055_Aug22
CAL	IBRATION (CERTIFICATE	
Object		D3500V2 - SN:1055	
Calibrati	on procedure(s)	QA CAL-22.v6 Calibration Procedure for SAR Vali	dation Sources between 3-10 GHz
			10/5/22
Calibrati	on date:	August 17, 2022	✓ YW 10/5/2023

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
Power sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: BH9394 (20k)	04-Apr-22 (No. 217-03527)	Apr-23
Type-N mismatch combination	SN: 310982 / 06327	04-Apr-22 (No. 217-03528)	Apr-23
Reference Probe EX3DV4	SN: 3503	08-Mar-22 (No. EX3-3503_Mar22)	Mar-23
DAE4	SN: 601	02-May-22 (No. DAE4-601_May22)	May-23
Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB39512475	30-Oct-14 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: US37292783	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
Power sensor HP 8481A	SN: MY41093315	07-Oct-15 (in house check Oct-20)	In house check: Oct-22
RF generator R&S SMT-06	SN: 100972	15-Jun-15 (in house check Oct-20)	In house check: Oct-22
Network Analyzer Agilent E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	In house check: Oct-22
	Name	Function	Signature
Calibrated by:	Leif Klysner	Laboratory Technician	\$ - NGM
			2 Alyra
	e neverez nezerez a testeret en testeret en testeret te		111
Approved by:	Niels Kuster	Quality Manager	' Kin
			·/RS
		-	Issued: August 18, 2022
This calibration certificate shall not	be reproduced except in t	full without written approval of the laboratory.	- ·

Calibration Laboratory of

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





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

Glossarv:

TSL	tissue simulating liquid
	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 ۵ 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 69 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 ø 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 = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3500 MHz ± 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

<u> </u>	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.9	2.91 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	37.4 ± 6 %	2.96 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	100 mW input power	6.65 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	66.0 W/kg ± 19.9 % (k=2)
SAR averaged over 10 cm [®] (10 g) of Head 15L	condition	
SAR averaged over 10 cm ³ (10 g) of Head TSL SAR measured	condition 100 mW input power	2.50 W/kg

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	51.3	3.31 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.5 ± 6 %	3.31 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	100 mW input power	6.38 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	63.8 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.40 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	24.0 W/kg ± 19.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	52.5 Ω - 5.7 jΩ
Return Loss	- 24.3 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	52.5 Ω + 3.8 jΩ
Return Loss	- 27.1 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.133 ns
Eloothod Boid) (one direction)	

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: 15.08.2022

Test Laboratory: SPEAG, Zurich, Switzerland

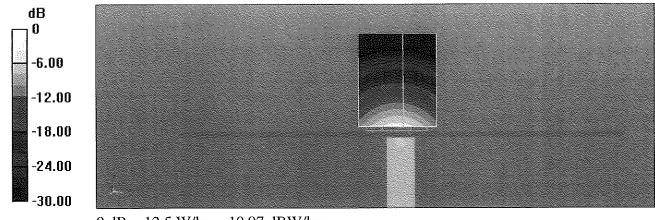
DUT: Dipole 3500 MHz; Type: D3500V2; Serial: D3500V2 - SN:1055

Communication System: UID 0 - CW; Frequency: 3500 MHz Medium parameters used: f = 3500 MHz; σ = 2.96 S/m; ϵ_r = 37.4; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(7.91, 7.91, 7.91) @ 3500 MHz; Calibrated: 08.03.2022
- 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=100 mW, d=10mm, f=3500MHz/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 68.78 V/m; Power Drift = -0.03 dB Peak SAR (extrapolated) = 18.0 W/kg SAR(1 g) = 6.65 W/kg; SAR(10 g) = 2.5 W/kg Smallest distance from peaks to all points 3 dB below = 8 mm Ratio of SAR at M2 to SAR at M1 = 74.5% Maximum value of SAR (measured) = 12.5 W/kg



0 dB = 12.5 W/kg = 10.97 dBW/kg

Impedance Measurement Plot for Head TSL

			3.500000 GHz 7.9344 pF 3.500000 GHz	52.547 Ω -5.7311 Ω 61.061 mU -62.844 °
Ch 1 A Ch 1: Start 3,30	vg ≈ 20 000 GHz	······································		Stop 3.70000 GHz
10.00 46 S11 5.00 0.00 -5.00 -10.00 -15.00 -25.00 -25.00 -30.00 -35.00 -40.00 <u>Ch 1 A</u> Ch1; Start 3.30			3.500000 GHz	-24.285 dB

DASY5 Validation Report for Body TSL

Date: 17.08.2022

Test Laboratory: SPEAG, Zurich, Switzerland

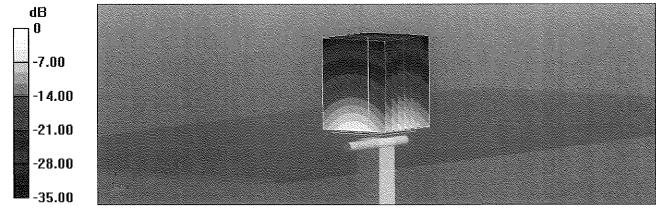
DUT: Dipole 3500 MHz; Type: D3500V2; Serial: D3500V2 - SN:1055

Communication System: UID 0 - CW; Frequency: 3500 MHz Medium parameters used: f = 3500 MHz; σ = 3.31 S/m; ϵ_r = 51.5; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(7.46, 7.46, 7.46) @ 3500 MHz; Calibrated: 08.03.2022
- 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=100 mW, d=10mm, f=3500MHz/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 64.16 V/m; Power Drift = -0.08 dB Peak SAR (extrapolated) = 16.8 W/kg SAR(1 g) = 6.38 W/kg; SAR(10 g) = 2.4 W/kg Smallest distance from peaks to all points 3 dB below = 8 mm Ratio of SAR at M2 to SAR at M1 = 75.9% Maximum value of SAR (measured) = 11.9 W/kg



0 dB = 11.9 W/kg = 10.77 dBW/kg

Impedance Measurement Plot for Body TSL

<u>F</u> ile	⊻iew	<u>C</u> hannel	Sw <u>e</u> ep	Calibration	<u>T</u> race <u>S</u> cal	e M <u>a</u> rker	S <u>v</u> stem <u>V</u>	Vindow (<u>-t</u> elp			
					A				.500000 C 171.48 .500000 C	pH	52.518 Ω 3.7708 Ω 4.197 mL 54.161 °	
	Ch1: St	Ch 1 Avg = art 3,30008 (20 3Hz			······				Sto	∋p 3,70000 GHz	z
-15 -20 -25 -30 -35 -40	0 00 00 00 00 00 00 00	dB 511 Ch 1 Avg = an 3,30000 (20				> 1		.\$00000 @		27.092 dB	
	etus		511		C* 1-Port		Avg=20 D	elay			LCL	



ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST) 18855 Adams Ct, Morgan Hill, CA 95037 USA Tel. +1.408.538.5600 http://www.element.com



Certification of Calibration

Object

D3500V2 – SN: 1055

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

Extension Calibration date: August 17, 2023

Description:

SAR Validation Dipole at 3500 MHz.

Calibration Equipment used:

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	8753ES	S-Parameter Vector Network Analyzer	7/21/2023	Annual	7/21/2024	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	1/19/2023	Annual	1/19/2024	106563
Rohde & Schwarz	NRP-Z81	Wide Band Power Sensor	1/11/2023	Annual	1/11/2024	106564
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	7/18/2023	Annual	7/18/2024	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	5/9/2023	Annual	5/9/2024	1041
SPEAG	EX3DV4	SAR Probe	3/16/2023	Annual	3/16/2024	7638
SPEAG	EX3DV4	SAR Probe	12/9/2022	Annual	12/9/2023	7490
SPEAG	DAE4	Dasy Data Acquisition Electronics	3/13/2023	Annual	3/13/2024	1408
SPEAG	DAE4	Dasy Data Acquisition Electronics	12/13/2022	Annual	12/13/2023	1644

Measurement Uncertainty = ±23% (k=2)

	Name	Function	Signature
Calibrated By:	Arturo Oliveros	Compliance Engineer	AG
Approved By:	Greg Snyder	Executive VP of Operations	Lugor M. S.

Object:	Date Issued:	Page 1 of 4
D3500V2 – SN: 1055	08/17/2023	Fage 1 01 4

DIPOLE CALIBRATION EXTENSION

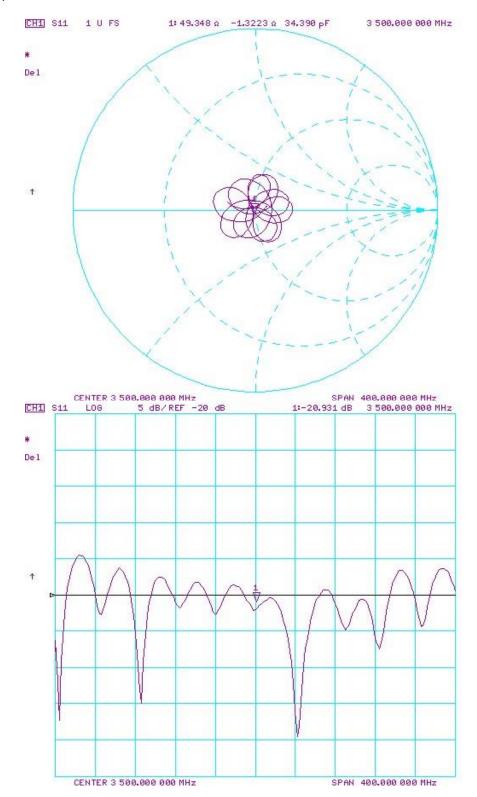
Per KDB 865664 D01, calibration intervals of up to three years may be considered for reference dipoles when it is demonstrated that the SAR target, impedance and return loss of a dipole have remained stable according to the following requirements:

- 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 3-year calibration period from the calibration date:

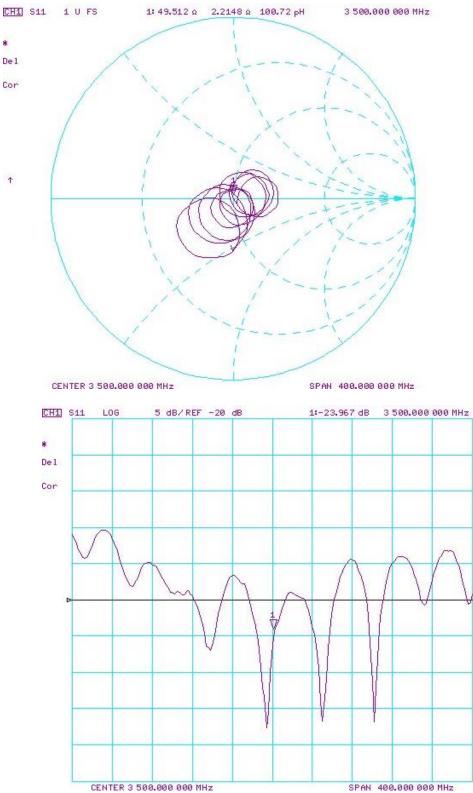
Calibration Date	Extension Date	Certificate Electrical Delay (ns)	W/kg @ 20.0 dBm	Measured Head SAR (1g) W/kg @ 20.0 dBm	(%)	dBm	(10g) W/kg @ 20.0 dBm		Head (Ohm) Real	Measured Impedance Head (Ohm) Real		Certificate Impedance Head (Ohm) Imaginary	Measured Impedance Head (Ohm) Imaginary	Difference (Ohm) Imaginary	Head (dB)	Head (dB)		
8/17/2022	8/17/2023	1.133	6.6	6.66	0.91%	2.49	2.53	1.61%	52.5	49.3	3.2	-5.7	-1.3	4.4	-24.3	-20.9	13.90%	PASS
Calibration Date	Extension Date	Certificate Electrical Delay (ns)		Measured Body SAR (1g) W/kg @ 20.0 dBm	Deviation 1g (%)	Certificate SAR Target Body (10g) W/kg @ 20.0 dBm		Deviation 10g (%)		Measured Impedance Body (Ohm) Real	Difference (Ohm) Real	Certificate Impedance Body (Ohm) Imaginary	Measured Impedance Body (Ohm) Imaginary	Difference (Ohm) Imaginary	Certificate Return Loss Body (dB)	Measured Return Loss Body (dB)	Deviation (%)	PASS/FAIL
8/17/2022	8/17/2023	1.133	6.38	6.76	5.96%	2.4	2.52	5.00%	52.5	49.5	3	3.8	2.2	1.6	-27.1	-24	11.60%	PASS

Object:	Date Issued:	Page 2 of 4
D3500V2 – SN: 1055	08/17/2023	Fage 2 01 4



Impedance & Return-Loss Measurement Plot for Head TSL

Object:	Date Issued:	Page 3 of 4
D3500V2 – SN: 1055	08/17/2023	Fage 5 01 4



Impedance & Return-Loss Measurement Plot for Body TSL

Object:	Date Issued:	Page 4 of 4
D3500V2 – SN: 1055	08/17/2023	Fage 4 01 4

Calibration Laboratory of

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

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

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Accreditation No.: SCS 0108

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Swiss Calibration Service

Element Client

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Object	D3700V2 - SN:10)02	VAIM.
Calibration procedure(s)	QA CAL-22.v6 Calibration Proce	dure for SAR Validation Sources	///// <i>}} between 3-10 GHz</i>
Calibration date:	October 21, 2022		
The measurements and the uncerta	ainties with confidence p ed in the closed laborator	onal standards, which realize the physical unit robability are given on the following pages and γ facility: environment temperature (22 ± 3)°C	d are part of the certificate.
Calibration Equipment used (M&TE	1		
Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
Power sensor NRP-Z91	SN: 103244	04-Apr-22 (No. 217-03524)	Apr-23
Power sensor NRP-Z91	SN: 103245	04-Apr-22 (No. 217-03525)	Apr-23
Reference 20 dB Attenuator	SN: BH9394 (20k) SN: 310982 / 06327	04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03528)	Apr-23
Type-N mismatch combination	SN: 3109827 06327	08-Mar-22 (No. EX3-3503_Mar22)	Apr-23 Mar-23
Reference Probe EX3DV4	SN: 601	31-Aug-22 (No. DAE4-601_Aug22)	Aug-23
DAE4			•
	ID #	Check Date (in house)	Scheduled Check
Secondary Standards	1	Check Date (in house)	
Secondary Standards	ID #		Scheduled Check
Secondary Standards Power meter E4419B	ID # SN: GB39512475	30-Oct-14 (in house check Oct-22)	Scheduled Check In house check: Oct-24
Secondary Standards Power meter E4419B Power sensor HP 8481A	ID # SN: GB39512475 SN: US37292783	30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	Scheduled Check In house check: Oct-24 In house check: Oct-24
Power sensor HP 8481A	ID # SN: GB39512475 SN: US37292783 SN: MY41093315	30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22)	Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06	ID # SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972	30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22)	Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24
Secondary Standards Power meter E4419B Power sensor HP 8481A Power sensor HP 8481A RF generator R&S SMT-06 Network Analyzer Agilent E8358A	ID # SN: GB39512475 SN: US37292783 SN: MY41093315 SN: 100972 SN: US41080477 Name	30-Oct-14 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 07-Oct-15 (in house check Oct-22) 15-Jun-15 (in house check Oct-22) 31-Mar-14 (in house check Oct-22) Function	Scheduled Check In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24 In house check: Oct-24



Certificate No: D3700V2-1002_Oct22

Calibration Laboratory of

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





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Swiss Calibration Service

Accreditation No.: SCS 0108

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

Gloceanu

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:

- 0 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 ø 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 0 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 = 4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	3700 MHz ± 1 MHz	

Head TSL parameters The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	37.7	3.12 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	37.5 ± 6 %	3.13 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	100 mW input power	6.80 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	67.9 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	2.47 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.7 W/kg ± 19.5 % (k=2)

Body TSL parameters The following parameters and calculations were applied.

······································	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	51.0	3.55 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	51.2 ± 6 %	3.51 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	100 mW input power	6.25 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	62.7 W/kg ± 19.9 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	100 mW input power	2.26 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	22.6 W/kg ± 19.5 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	49.3 Ω - 7.8 jΩ
Return Loss	- 22.1 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	50.9 Ω - 5.6 jΩ
Return Loss	- 25.0 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.134 ns
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After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

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

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

Additional EUT Data

Manufactured by SPEAG

DASY5 Validation Report for Head TSL

Date: 11.10.2022

Test Laboratory: SPEAG, Zurich, Switzerland

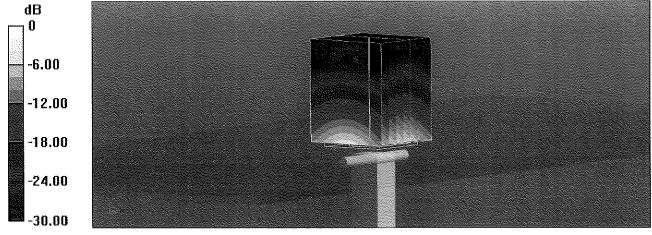
DUT: Dipole 3700 MHz; Type: D3700V2; Serial: D3700V2 - SN: 1002

Communication System: UID 0 - CW; Frequency: 3700 MHz Medium parameters used: f = 3700 MHz; σ = 3.13 S/m; ϵ_r = 37.5; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(7.73, 7.73, 7.73) @ 3700 MHz; Calibrated: 08.03.2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 31.08.2022
- Phantom: Flat Phantom 5.0 (front); Type: QD 000 P50 AA; Serial: 1001
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/Pin=100 mW, d=10mm, f=3700MHz/Zoom Scan, dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 70.61 V/m; Power Drift = 0.02 dB Peak SAR (extrapolated) = 19.2 W/kg SAR(1 g) = 6.80 W/kg; SAR(10 g) = 2.47 W/kg Smallest distance from peaks to all points 3 dB below = 8.4 mm Ratio of SAR at M2 to SAR at M1 = 73.4% Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 13.2 W/kg = 11.22 dBW/kg

Impedance Measurement Plot for Head TSL

File Yie	w <u>C</u> hannel		Calibration	Trace Scale	Marker	System V	: 3.	elp 700000 G 5.5237 700000 G	рF	-7.7 78.4	.316 Ω 7874 Ω 71 mU 0.534 °
Ch1:	Start 3,50000 (547-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		<u>بىنىنىنىرىيىيى</u>	Stop 3.3	90000 GH2
10.00 5.00 0.00 -5.00 -10.00 -15.00 -20.00 -25.00 -30.09 -35.00	dB \$11					> 1	3.			- 22	108 dB
-40.00 Ch1:	Ch 1 Avg = Start 3.50000	20 GHz								Stop 3.	90000 GHz
Status	CH 1:	511		C* 1-Port		Avg=20 D	elay				_CL

DASY5 Validation Report for Body TSL

Date: 21.10.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 3700 MHz; Type: D3700V2; Serial: D3700V2 - SN: 1002

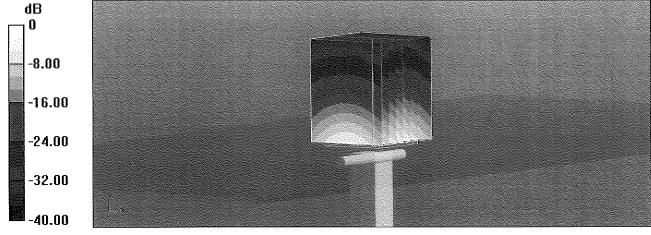
Communication System: UID 0 - CW; Frequency: 3700 MHz Medium parameters used: f = 3700 MHz; σ = 3.51 S/m; ϵ_r = 51.2; ρ = 1000 kg/m³ Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3503; ConvF(7.31, 7.31, 7.31) @ 3700 MHz; Calibrated: 08.03.2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn601; Calibrated: 31.08.2022
- Phantom: Flat Phantom 5.0 (back); Type: QD 000 P50 AA; Serial: 1002
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

dist=1.4mm (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 63.97 V/m; Power Drift = -0.08 dB Peak SAR (extrapolated) = 16.9 W/kg SAR(1 g) = 6.25 W/kg; SAR(10 g) = 2.26 W/kg Smallest distance from peaks to all points 3 dB below = 7.9 mm Ratio of SAR at M2 to SAR at M1 = 75.2% Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 11.7 W/kg = 10.68 dBW/kg

Impedance Measurement Plot for Body TSL

Ch1: Start 3 10.00 dB 3 5.00 0.00						Ĵ	7.6544 700000 G	-4.z. :	-5,6196 Ω 56.310 mU -77.789 ° \$top 3,90000 GHz -2∳.988 dB
Ch1: Start 3 10.00 dB 3 5.00 0.00	.50000 GHz			· · · · · · · · · · · · · · · · · · ·		2.7	Innnnn G		
5.00 0.00	1				> 1	3.7	huuuu G	Jul -7	
								1 I.C	2. T. UUU UUU
5.00					******				
-15.00									
20.00 "		and a stand of the	and the second s	ĭ		and the second	and the second		na - 1999 - 199
-25.00					5 may 2 mar 2 m				
35.00									
40.00 Ch 1 Ch 1: Start 3	1 Awg = 20 50000 GHz	l		1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					Stop 3,30000 GHz