

**Appendix D Calibration certificate**

**Appendix D.1 Calibration certificate for Probe(SN 3986)**

<b>Calibration Laboratory of</b> Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland			S Schweizerischer Kalibrierdienst C Service suisse d'étalonnage S 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.: <b>SCS 0108</b>	
Client	<b>SGS Korea (Dymstec)</b>	Certificate No.	<b>EX-3986_Jan23</b>
<b>CALIBRATION CERTIFICATE</b>			
Object	<b>EX3DV4 - SN:3986</b>		
Calibration procedure(s)	<b>QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,          QA CAL-25.v8</b> Calibration procedure for dosimetric E-field probes		
Calibration date	<b>January 26, 2023</b>		
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 (2 ± 3) °C and humidity < 70%. Calibration Equipment used (M&E critical for calibration)			
<b>Primary Standards</b>	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SR: 104778	04-Apr-22 (No. 217-23825/03334)	Apr-25
Power sensor NRP-Z91	SR: 103344	04-Apr-22 (No. 217-23824)	Apr-23
OCP DAK-3.5 (weight)	SR: 1249	20-Oct-22 (OCP-DAK3.5-1345_Oct22)	Oct-23
OCP DAK-12	SR: 1018	20-Oct-22 (OCP-DAK12-1018_Oct22)	Oct-23
Reference 20 dB Attenuator	SR: CC2552 (20v)	04-Apr-22 (No. 217-23827)	Apr-23
DAE4	SR: 660	10-Oct-22 (No. DAE4-660_Oct22)	Oct-23
Reference Probe ES3DV2	SR: 3013	06-Jan-23 (No. ESS 3013_Jan23)	Jan-24
<b>Secondary Standards</b>	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: D841293674	06-Apr-18 (in house check Jun-22)	In house check: Jun-24
Power sensor E4413A	SN: M741498067	06-Apr-18 (in house check Jun-22)	In house check: Jun-24
Power sensor E4413A	SN: 600112510	06-Apr-18 (in house check Jun-22)	In house check: Jun-24
RF generator HP 8468C	SN: D33643L01700	04-Aug-19 (in house check Jun-22)	In house check: Jun-24
Network Analyzer N6695A	SN: U541080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
Calibrated by	Name: <b>Jelén Kálmán</b>	Function: <b>Laboratory Technician</b>	Signature:
Approved by	Name: <b>Sven Köhn</b>	Function: <b>Technical Manager</b>	Signature:
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.			Issued: <b>January 31, 2023</b>

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



**S** Schweizerischer Kalibrierdienst  
**C** Service suisse d'étalonnage  
**S** 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**

**Glossary**

TSL	tissue simulating liquid
NORM <sub>x,y,z</sub>	sensitivity in free space
ConvF	sensitivity in TSL / NORM <sub>x,y,z</sub>
DCP	diode compression point
CF	crest factor (1.0 duty cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization $\psi$	$\psi$ rotation around probe axis
Polarization $\theta$	$\theta$ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\theta = 0$ is normal to probe axis
Connector Angle	Information used in DASY system to align probe sensor X to the robot coordinate system

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

- a) IEC/IEEE 62209-1526, "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 1526: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) KDB 86564, "SAR Measurement Requirements for 100 MHz to 6 GHz"

**Methods Applied and Interpretation of Parameters:**

- NORM<sub>x,y,z</sub>: Assessed for E-field polarization  $\theta = 0$  ( $f \leq 900$  MHz in TEM-cell;  $f > 1800$  MHz: R22 waveguide). NORM<sub>x,y,z</sub> are only intermediate values, i.e., the uncertainties of NORM<sub>x,y,z</sub> does not affect the E<sup>2</sup>-field uncertainty inside TSL (see below ConvF).
- NORM<sub>x,y,z</sub> \* 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.
- DCP<sub>x,y,z</sub>: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PRR: PRR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- A<sub>x,y,z</sub>; B<sub>x,y,z</sub>; C<sub>x,y,z</sub>; D<sub>x,y,z</sub>; VR<sub>x,y,z</sub>: 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  $f \leq 800$  MHz) and inside waveguide using analytical field distributions based on power measurements for  $f > 800$  MHz. The same setup 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 NORM<sub>x,y,z</sub> \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50$  MHz to  $\pm 100$  MHz.
- Spherical Isotropy (3D deviation from isotropy): In a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORM<sub>x</sub> (no uncertainty required).

EX3DV4 - SN3986

January 26, 2023

**Parameters of Probe: EX3DV4 - SN:3986**

**Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $\mu V/(V/m)^2$ <sup>A</sup>	0.50	0.51	0.48	$\pm 10.1\%$
DCP (mV) <sup>B</sup>	98.5	100.9	103.5	$\pm 4.7\%$

**Calibration Results for Modulation Response**

UID	Communication System Name	A dB	B dB $\sqrt{\mu V}$	C	D dB	VR mV	Max dev.	Max Unc <sup>C</sup> k=2
0	CW	X	0.00	0.00	1.00	0.00	158.1	$\pm 3.3\%$
		Y	0.00	0.00	1.00		142.8	
		Z	0.00	0.00	1.00		155.7	
10352	Pulse Waveform (200Hz, 10%)	X	20.00	91.89	21.45	10.00	90.0	$\pm 3.3\%$
		Y	20.00	88.73	20.11		80.0	
		Z	20.00	90.02	20.11		80.0	
10353	Pulse Waveform (200Hz, 20%)	X	20.00	93.18	20.88	9.99	90.0	$\pm 1.7\%$
		Y	20.00	89.78	19.32		80.0	
		Z	20.00	90.64	19.19		80.0	
10354	Pulse Waveform (200Hz, 40%)	X	20.00	95.73	20.55	9.98	95.0	$\pm 1.1\%$
		Y	20.00	91.54	19.03		85.0	
		Z	20.00	91.91	18.14		85.0	
10355	Pulse Waveform (200Hz, 60%)	X	20.00	96.09	19.18	2.22	100.0	$\pm 1.0\%$
		Y	20.00	89.98	19.00		100.0	
		Z	20.00	90.19	15.94		100.0	
10387	QPSK Waveform, 1 MHz	X	1.81	65.73	14.51	1.00	150.0	$\pm 2.7\%$
		Y	1.86	65.85	14.74		150.0	
		Z	1.85	66.04	14.46		150.0	
10388	QPSK Waveform, 10 MHz	X	2.17	67.74	15.32	0.00	150.0	$\pm 0.8\%$
		Y	2.21	67.74	15.47		150.0	
		Z	2.09	67.66	15.33		150.0	
10396	64-QAM Waveform, 100 kHz	X	2.77	68.86	17.30	3.01	150.0	$\pm 0.7\%$
		Y	3.08	71.15	16.87		150.0	
		Z	2.78	70.29	16.62		150.0	
10399	64-QAM Waveform, 40 MHz	X	3.49	67.14	15.64	0.00	150.0	$\pm 0.8\%$
		Y	3.50	67.32	15.66		150.0	
		Z	3.42	67.36	15.81		150.0	
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.90	68.81	15.55	0.00	150.0	$\pm 4.0\%$
		Y	4.90	68.52	15.49		150.0	
		Z	4.78	68.73	15.49		150.0	

Note: For details on UID parameters see Appendix

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

<sup>A</sup> The uncertainties of Norm X, Y, Z do not reflect the E<sup>2</sup> field uncertainty inside TSI. (see Page 5 to 7).  
<sup>B</sup> Linearity parameter uncertainty for maximum specified field strength.  
<sup>C</sup> Uncertainty is determined using the rms deviation from linear response applying rectangular distribution and is expressed by the square of the field value.

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January 26, 2023

**Parameters of Probe: EX3DV4 - SN:3986**

**Sensor Model Parameters**

	C1 IF	C2 IF	s V <sup>-1</sup>	T1 ms V <sup>-2</sup>	T2 ms V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	T6
x	47.2	353.26	35.57	14.71	0.45	5.10	0.00	0.55	1.01
y	50.3	376.01	35.55	25.67	0.04	5.15	1.17	0.29	1.01
z	41.1	304.66	34.88	10.27	0.35	5.08	0.80	0.28	1.01

**Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle	133.8°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	357 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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



EX3DV4 - SN:3986

January 26, 2023

**Parameters of Probe: EX3DV4 - SN:3986**

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

f (MHz) <sup>E</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	CorrF X	CorrF Y	CorrF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
150	52.3	0.76	14.25	14.25	14.25	0.00	1.00	±13.3%
300	45.3	0.67	13.15	13.15	13.15	0.09	1.00	±13.3%
450	43.0	0.67	11.93	11.93	11.93	0.16	1.30	±13.3%
600	42.7	0.68	11.34	11.34	11.34	0.10	1.25	±13.3%
750	41.9	0.69	10.76	10.76	10.76	0.36	1.04	±12.0%
935	41.5	0.90	10.52	10.52	10.52	0.49	0.83	±12.0%
900	41.5	0.97	10.35	10.35	10.35	0.30	1.05	±12.0%
1450	40.5	1.20	9.72	9.72	9.72	0.58	0.89	±12.0%
1640	40.2	1.31	9.39	9.32	9.32	0.42	0.86	±12.0%
1750	40.1	1.37	9.25	9.25	9.25	0.31	0.88	±12.0%
1900	40.0	1.40	8.75	8.75	8.75	0.32	0.88	±12.0%
1950	40.0	1.40	8.67	8.67	8.67	0.29	0.86	±12.0%
2300	39.5	1.67	8.44	8.44	8.44	0.26	0.90	±12.0%
2450	39.2	1.80	8.30	8.30	8.30	0.23	0.90	±12.0%
2600	39.0	1.96	8.01	8.01	8.01	0.37	0.90	±12.0%
3300	38.2	2.71	7.58	7.58	7.58	0.30	1.30	±14.0%
3600	37.9	2.91	7.51	7.51	7.51	0.30	1.30	±14.0%
3700	37.7	3.12	7.37	7.37	7.37	0.30	1.30	±14.0%
3900	37.5	3.32	7.04	7.04	7.04	0.30	1.60	±14.0%
4100	37.2	3.53	6.97	6.97	6.97	0.30	1.60	±14.0%
4400	36.9	3.84	6.76	6.76	6.76	0.30	1.70	±14.0%
4600	36.7	4.04	6.43	6.43	6.43	0.40	1.80	±14.0%
4800	36.4	4.25	6.19	6.19	6.19	0.40	1.80	±14.0%
4950	36.3	4.40	6.15	6.15	6.15	0.40	1.80	±14.0%
5300	36.0	4.66	5.28	5.28	5.28	0.40	1.80	±14.0%
5300	35.9	4.76	5.12	5.12	5.12	0.40	1.80	±14.0%
5500	35.8	4.98	5.06	5.06	5.06	0.40	1.80	±14.0%
5800	35.5	5.07	4.82	4.82	4.82	0.40	1.80	±14.0%

<sup>E</sup> Frequency validity above 300 MHz of ±100 MHz only applies for DASV v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the CorrF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±15, 25, 40, 50 and 70 MHz for CorrF assessments at 30, 64, 138, 150 and 280 MHz respectively. Validity of CorrF assessed at 8 MHz to 4-8 MHz, and CorrF assessed at 13 MHz to 8-19 MHz. Above 6 GHz frequency validity can be extended to ±110 MHz.

<sup>F</sup> The points are calibrated using tissue simulating media (TSM) that deviate for  $\epsilon$  and  $\sigma$  by less than ±2% from the target values (typically better than ±3%) and are valid for TSM with deviations from the target of less than ±2% and valid, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

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

EX3DV4 - SN:3986

January 26, 2023

**Parameters of Probe: EX3DV4 - SN:3986**

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

f (MHz) <sup>1</sup>	Relative Permittivity <sup>2</sup>	Conductivity <sup>2</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>3</sup>	Depth <sup>3</sup> (mm)	Unc (k = 2)
5800	35.3	5.27	4.77	4.77	4.77	0.40	1.80	±14.0%

<sup>1</sup> Frequency validity above 200 MHz of ±100 MHz only applies for IASV v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibrated frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±1%, 2%, 4%, 30 and 70 MHz for ConvF assessments at 30, 60, 120, 150 and 200 MHz respectively. Validity of ConvF assessed at 8 MHz is 4-8 MHz, and ConvF assessed at 10 MHz is 5-10 MHz. Above 5 GHz frequency validity can be extended to ±100 MHz.

<sup>2</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon$  and  $\sigma$  by less than ±3% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11, 1% for 0.7 - 3 GHz and 12, 1% for 3 - 6 GHz.

<sup>3</sup> Alpha/Depth are determined during calibration. IECAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±7% for frequencies below 3 GHz and below ±8% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

EX3DV4 - SN:3986

January 26, 2023

**Parameters of Probe: EX3DV4 - SN:3986**

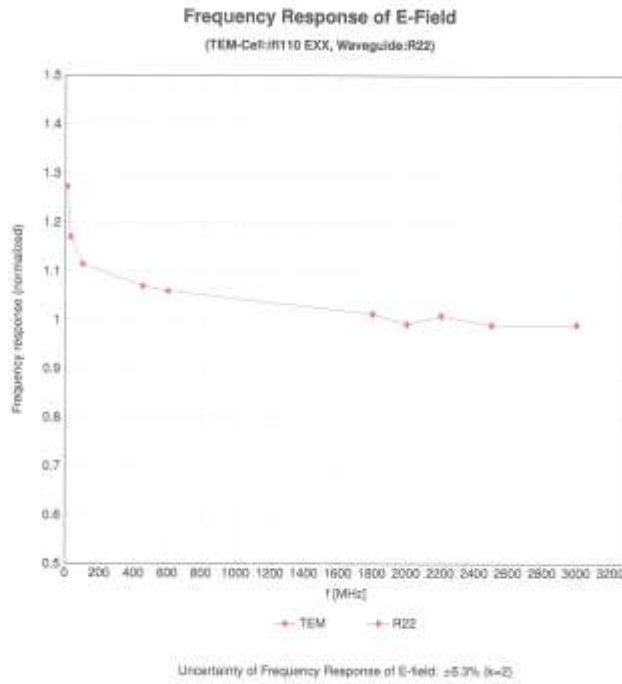
**Calibration Parameter Determined in Head Tissue Simulating Media**

f (MHz) <sup>1)</sup>	Relative Permittivity <sup>2)</sup>	Conductivity <sup>2)</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>3)</sup>	Depth <sup>3)</sup> (mm)	Unc (k = 2)
6500	34.5	6.07	5.70	5.70	5.70	0.25	2.50	±18.6%
7000	33.9	6.65	5.90	5.90	5.90	0.25	2.50	±18.6%

<sup>1)</sup> Frequency validity of 8.5GHz is +400~-700MHz, and ±700MHz at or above 7GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.  
<sup>2)</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon'$  and  $\sigma$  by less than ±10% from the target values (typically better than ±5%) and are valid for TSL with deviations of up to ±10%.  
<sup>3)</sup> Alpha/Depth are determined during calibration. SPECTRO warns that the remaining deviation due to the boundary effect after suppression is always less than ±1% for frequencies below 3GHz; below ±2% for frequencies between 3-6GHz; and below ±4% for frequencies between 6-18GHz at any distance larger than half the probe tip diameter from the boundary.

EX30V4 - SN:3985

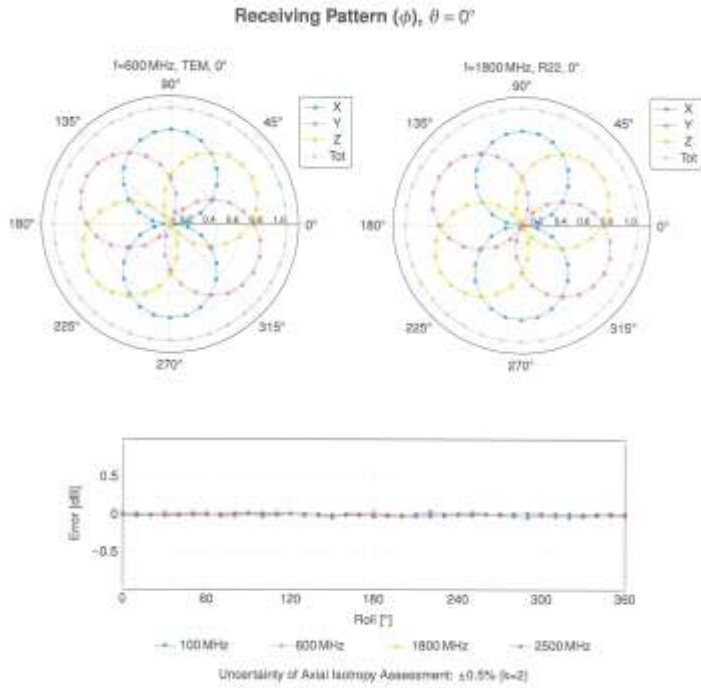
January 25, 2023





EX3DV4 - SN3986

January 26, 2023

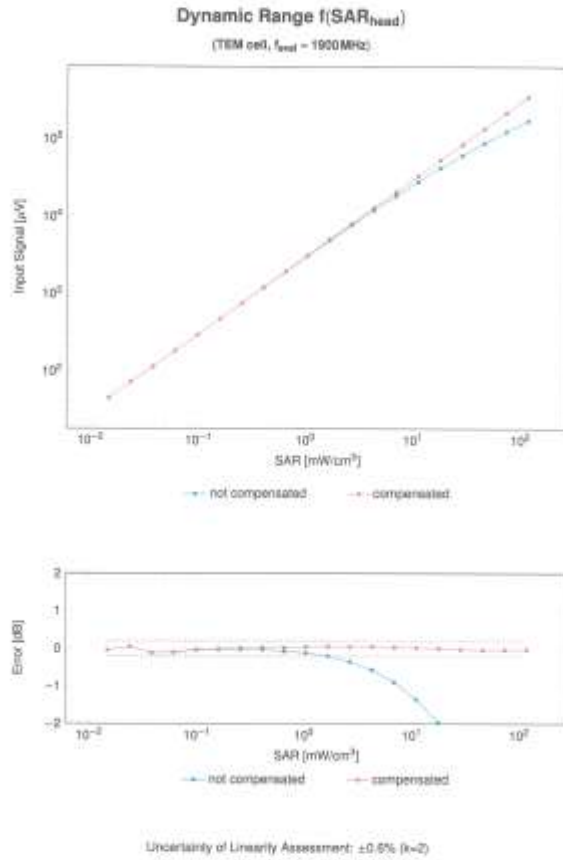


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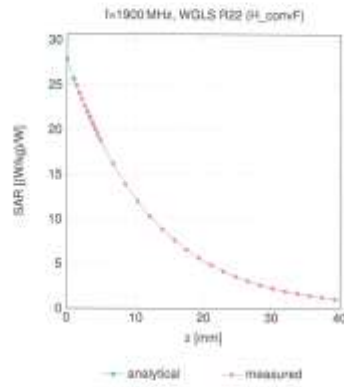
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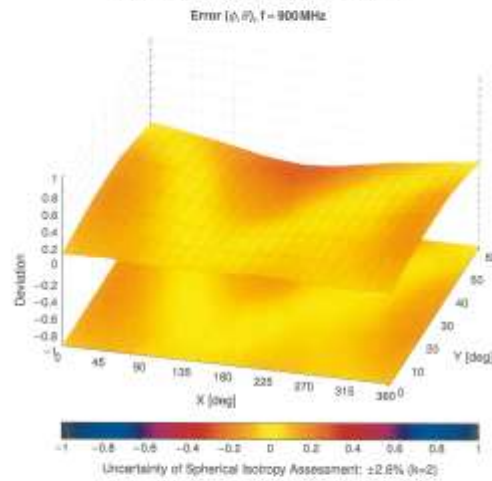
EX30V4 - SN:0986

January 28, 2023

**Conversion Factor Assessment**



**Deviation from Isotropy in Liquid**



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EX3DN4 - SN3886

January 26, 2023

Appendix: Modulation Calibration Parameters

Table with columns: ID#, Rev, Communication System Name, Group, PRF (dB), and Dns. It lists various modulation parameters for different systems like GSM, LTE, and Wi-Fi.

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EX00V4 - 5N2985

January 26, 2023

OID	Rev	Communication System Name	Owner	RAI (dB)	Utra <sup>2</sup> A + B
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.59	+5.0
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.62	+5.0
10114	CAD	IEEE 802.11n (HT Overhead, 31 Mbps, BPSK)	WLAN	8.13	+5.0
10115	CAD	IEEE 802.11n (HT Overhead, 31 Mbps, 16-QAM)	WLAN	8.48	+5.0
10116	CAD	IEEE 802.11n (HT Overhead, 12 Mbps, 64-QAM)	WLAN	8.12	+5.0
10117	CAD	IEEE 802.11n (HT Overhead, 12 Mbps, BPSK)	WLAN	8.27	+5.0
10118	CAD	IEEE 802.11n (HT Overhead, 31 Mbps, 16-QAM)	WLAN	8.59	+5.0
10119	CAD	IEEE 802.11n (HT Overhead, 31 Mbps, 64-QAM)	WLAN	8.13	+5.0
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.44	+5.0
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	+5.0
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	+5.0
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	+5.0
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.66	+5.0
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.78	+5.0
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	+5.0
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	+5.0
10148	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	8.43	+5.0
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	8.88	+5.0
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	8.38	+5.0
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	8.62	+5.0
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	10.65	+5.0
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	6.78	+5.0
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.40	+5.0
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.73	+5.0
10157	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	6.49	+5.0
10158	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.67	+5.0
10159	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.87	+5.0
10160	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	+5.0
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.92	+5.0
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	+5.0
10163	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	+5.0
10164	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	6.48	+5.0
10165	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	+5.0
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	+5.0
10167	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.73	+5.0
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.22	+5.0
10171	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.89	+5.0
10172	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	8.21	+5.0
10173	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	8.48	+5.0
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	+5.0
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	6.72	+5.0
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	+5.0
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	6.75	+5.0
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	+5.0
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	+5.0
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	+5.0
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	6.72	+5.0
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	+5.0
10183	AAG	LTE-FDD (SC-FDMA, 1 RB, 13 MHz, 64-QAM)	LTE-FDD	6.50	+5.0
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.72	+5.0
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	+5.0
10186	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	+5.0
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	6.73	+5.0
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	+5.0
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	+5.0
10190	CAD	IEEE 802.11n (HT Overhead, 6.5 Mbps, BPSK)	WLAN	8.03	+5.0
10191	CAD	IEEE 802.11n (HT Overhead, 30 Mbps, 16-QAM)	WLAN	8.12	+5.0
10192	CAH	IEEE 802.11n (HT Overhead, 30 Mbps, 64-QAM)	WLAN	8.21	+5.0
10193	CAD	IEEE 802.11n (HT Overhead, 6.5 Mbps, BPSK)	WLAN	8.18	+5.0
10194	CAD	IEEE 802.11n (HT Overhead, 30 Mbps, 16-QAM)	WLAN	8.13	+5.0
10195	CAD	IEEE 802.11n (HT Overhead, 30 Mbps, 64-QAM)	WLAN	8.27	+5.0
10218	CAD	IEEE 802.11n (HT Overhead, 7.3 Mbps, BPSK)	WLAN	8.03	+5.0
10219	CAD	IEEE 802.11n (HT Overhead, 43.3 Mbps, 16-QAM)	WLAN	8.13	+5.0
10220	CAD	IEEE 802.11n (HT Overhead, 43.3 Mbps, 64-QAM)	WLAN	8.27	+5.0
10221	CAD	IEEE 802.11n (HT Overhead, 12 Mbps, BPSK)	WLAN	8.09	+5.0
10222	CAD	IEEE 802.11n (HT Overhead, 30 Mbps, 16-QAM)	WLAN	8.48	+5.0
10223	CAD	IEEE 802.11n (HT Overhead, 30 Mbps, 64-QAM)	WLAN	8.28	+5.0

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GRN	Rev	Communication System Name	Group	PAR (dB)	Uplink
10225	CAC	UMTS-FDD (FDD)	WCDMA	6.97	-50.0
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 18-QAM)	LTE-TDD	9.49	-50.0
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-TDD	10.00	-50.0
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-TDD	9.23	-50.0
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 18-QAM)	LTE-TDD	9.98	-50.0
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-TDD	10.25	-50.0
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-TDD	9.73	-50.0
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 18-QAM)	LTE-TDD	9.48	-50.0
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-TDD	10.00	-50.0
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-TDD	9.51	-50.0
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 18-QAM)	LTE-TDD	9.98	-50.0
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)	LTE-TDD	10.25	-50.0
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK)	LTE-TDD	9.51	-50.0
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 18-QAM)	LTE-TDD	9.98	-50.0
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-TDD	10.25	-50.0
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-TDD	9.51	-50.0
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 18-QAM)	LTE-TDD	9.52	-50.0
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM)	LTE-TDD	9.98	-50.0
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, QPSK)	LTE-TDD	9.46	-50.0
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 18-QAM)	LTE-TDD	10.00	-50.0
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)	LTE-TDD	10.00	-50.0
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-TDD	9.20	-50.0
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 18-QAM)	LTE-TDD	9.51	-50.0
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-TDD	10.00	-50.0
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-TDD	9.25	-50.0
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 18-QAM)	LTE-TDD	9.51	-50.0
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-QAM)	LTE-TDD	10.17	-50.0
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10MHz, QPSK)	LTE-TDD	9.54	-50.0
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 18-QAM)	LTE-TDD	9.50	-50.0
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)	LTE-TDD	10.14	-50.0
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-TDD	9.50	-50.0
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 18-QAM)	LTE-TDD	9.96	-50.0
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM)	LTE-TDD	10.38	-50.0
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-TDD	9.34	-50.0
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 18-QAM)	LTE-TDD	9.98	-50.0
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-TDD	9.57	-50.0
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-TDD	9.24	-50.0
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 18-QAM)	LTE-TDD	9.97	-50.0
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-TDD	10.16	-50.0
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-TDD	9.23	-50.0
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 18-QAM)	LTE-TDD	9.92	-50.0
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-QAM)	LTE-TDD	10.07	-50.0
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10MHz, QPSK)	LTE-TDD	9.30	-50.0
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 18-QAM)	LTE-TDD	10.09	-50.0
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-TDD	10.13	-50.0
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-TDD	9.55	-50.0
10271	CAC	UMTS-FDD (FDD, Scheme 8, 3.1MPP Rate 18)	WCDMA	4.27	-50.0
10272	CAC	UMTS-FDD (FDD, Scheme 8, 3.1MPP Rate 4)	WCDMA	3.36	-50.0
10273	CAA	PHS (QPSK)	PHS	11.91	-50.0
10274	CAA	PHS (QPSK, BW 800MHz, Rate 0.5)	PHS	11.01	-50.0
10275	CAA	PHS (QPSK, BW 800MHz, Rate 0.33)	PHS	10.10	-50.0
10290	AAE	CDMA2000, PC1, SC9K, Full Rate	CDMA2000	3.91	-50.0
10291	AAE	CDMA2000, PC1, SC9K, Full Rate	CDMA2000	3.46	-50.0
10292	AAE	CDMA2000, PC1, SC9K, Full Rate	CDMA2000	3.36	-50.0
10293	AAE	CDMA2000, PC1, SC9K, Full Rate	CDMA2000	3.60	-50.0
10294	AAE	CDMA2000, PC1, SC9K, Full Rate	CDMA2000	12.48	-50.0
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-FDD	9.51	-50.0
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 18-QAM)	LTE-FDD	9.73	-50.0
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)	LTE-FDD	9.26	-50.0
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 18-QAM)	LTE-FDD	9.65	-50.0
10301	AAA	IEEE 802.15a WIMAX (20-18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	10.00	-50.0
10302	AAA	IEEE 802.15a WIMAX (20-18, 5ms, 10MHz, QPSK, PUSC, 3 CTR, symbols)	WIMAX	12.57	-50.0
10303	AAA	IEEE 802.15a WIMAX (21-16, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	-50.0
10304	AAA	IEEE 802.15a WIMAX (20-18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.66	-50.0
10305	AAA	IEEE 802.15a WIMAX (21-16, 5ms, 10MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	-50.0
10306	AAA	IEEE 802.15a WIMAX (20-18, 5ms, 10MHz, 64QAM, PUSC, 18 symbols)	WIMAX	14.67	-50.0

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Table with columns: SRID, Ref, Communication System Name, Group, PAR (dB), Uplink BW. Contains technical specifications for various communication systems like Wimax, LTE-FDD, and WCDMA.

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REF	Rev	Communication System Name	Group	FMT (dB)	Unit# 6 x 3
10470	AAQ	LTE-TDD (SC-FDMA, 1 RR, 18MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	6.57	-29.8
10471	AAF	LTE-TDD (SC-FDMA, 1 RR, 18MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.82	-29.8
10474	AAF	LTE-TDD (SC-FDMA, 1 RR, 18MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.32	-29.8
10479	AAF	LTE-TDD (SC-FDMA, 1 RR, 18MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.57	-29.8
10479	AAQ	LTE-TDD (SC-FDMA, 1 RR, 30MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.52	-29.8
10479	AAQ	LTE-TDD (SC-FDMA, 1 RR, 30MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.57	-29.8
10479	AAQ	LTE-TDD (SC-FDMA, 1 RR, 30MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.52	-29.8
10480	AAQ	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	5.10	-29.8
10480	AAQ	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	6.42	-29.8
10480	AAQ	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.71	-29.8
10480	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.39	-29.8
10484	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.47	-29.8
10485	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.59	-29.8
10486	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.38	-29.8
10487	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.60	-29.8
10488	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.70	-29.8
10488	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.31	-29.8
10488	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.54	-29.8
10489	AAQ	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.54	-29.8
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.74	-29.8
10491	AAQ	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.41	-29.8
10491	AAQ	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.58	-29.8
10494	AAQ	LTE-TDD (SC-FDMA, 50% RB, 30MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.74	-29.8
10495	AAQ	LTE-TDD (SC-FDMA, 50% RB, 30MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.37	-29.8
10496	AAQ	LTE-TDD (SC-FDMA, 50% RB, 30MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.54	-29.8
10497	AAQ	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.67	-29.8
10498	AAQ	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.40	-29.8
10498	AAQ	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.68	-29.8
10500	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.67	-29.8
10501	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.44	-29.8
10502	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.62	-29.8
10505	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.72	-29.8
10504	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.31	-29.8
10505	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.54	-29.8
10506	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.74	-29.8
10507	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.38	-29.8
10508	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.55	-29.8
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.89	-29.8
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.49	-29.8
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.51	-29.8
10512	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.76	-29.8
10513	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.42	-29.8
10514	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.45	-29.8
10515	AAA	IEEE 802.11a WFI 2.4GHz CSRS, 6Mbps, 90% duty cycle	WLAN	1.58	-29.8
10516	AAA	IEEE 802.11a WFI 2.4GHz CSRS, 5.5Mbps, 90% duty cycle	WLAN	1.37	-29.8
10517	AAA	IEEE 802.11a WFI 2.4GHz CSRS, 11Mbps, 90% duty cycle	WLAN	1.58	-29.8
10518	AAQ	IEEE 802.11ah WFI 5GHz OFDMA, 3Mbps, 90% duty cycle	WLAN	6.23	-29.8
10519	AAQ	IEEE 802.11ah WFI 5GHz OFDMA, 12Mbps, 90% duty cycle	WLAN	6.39	-29.8
10520	AAQ	IEEE 802.11ah WFI 5GHz OFDMA, 18Mbps, 90% duty cycle	WLAN	8.12	-29.8
10521	AAQ	IEEE 802.11ah WFI 5GHz OFDMA, 24Mbps, 90% duty cycle	WLAN	7.57	-29.8
10522	AAQ	IEEE 802.11ah WFI 5GHz OFDMA, 30Mbps, 90% duty cycle	WLAN	6.45	-29.8
10523	AAQ	IEEE 802.11ah WFI 5GHz OFDMA, 40Mbps, 90% duty cycle	WLAN	6.58	-29.8
10524	AAQ	IEEE 802.11ah WFI 5GHz OFDMA, 54Mbps, 90% duty cycle	WLAN	8.27	-29.8
10525	AAQ	IEEE 802.11ac WFI 20MHz, MCS0, 90% duty cycle	WLAN	6.30	-29.8
10526	AAQ	IEEE 802.11ac WFI 20MHz, MCS1, 90% duty cycle	WLAN	6.40	-29.8
10527	AAQ	IEEE 802.11ac WFI 20MHz, MCS2, 90% duty cycle	WLAN	6.21	-29.8
10528	AAQ	IEEE 802.11ac WFI 20MHz, MCS3, 90% duty cycle	WLAN	6.26	-29.8
10529	AAQ	IEEE 802.11ac WFI 20MHz, MCS4, 90% duty cycle	WLAN	6.26	-29.8
10531	AAQ	IEEE 802.11ac WFI 20MHz, MCS6, 90% duty cycle	WLAN	6.43	-29.8
10532	AAQ	IEEE 802.11ac WFI 20MHz, MCS7, 90% duty cycle	WLAN	6.25	-29.8
10533	AAQ	IEEE 802.11ac WFI 20MHz, MCS8, 90% duty cycle	WLAN	6.28	-29.8
10534	AAQ	IEEE 802.11ac WFI 40MHz, MCS0, 90% duty cycle	WLAN	6.45	-29.8
10535	AAQ	IEEE 802.11ac WFI 40MHz, MCS1, 90% duty cycle	WLAN	6.45	-29.8
10536	AAQ	IEEE 802.11ac WFI 40MHz, MCS2, 90% duty cycle	WLAN	6.38	-29.8
10537	AAQ	IEEE 802.11ac WFI 40MHz, MCS3, 90% duty cycle	WLAN	6.44	-29.8
10538	AAQ	IEEE 802.11ac WFI 40MHz, MCS4, 90% duty cycle	WLAN	6.24	-29.8
10540	AAQ	IEEE 802.11ac WFI 80MHz, MCS6, 90% duty cycle	WLAN	6.28	-29.8

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January 26, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>2</sup> A = 3
10541	AAC	IEEE 802.11ac WFI (40MHz), MCS7, 900c duty cycle)	WLAN	8.45	-3.0
10542	AAC	IEEE 802.11ac WFI (40MHz), MCS8, 900c duty cycle)	WLAN	8.45	-3.0
10543	AAC	IEEE 802.11ac WFI (40MHz), MCS9, 900c duty cycle)	WLAN	8.45	-3.0
10544	AAC	IEEE 802.11ac WFI (40MHz), MCS10, 900c duty cycle)	WLAN	8.47	-3.0
10545	AAC	IEEE 802.11ac WFI (40MHz), MCS11, 900c duty cycle)	WLAN	8.53	-3.0
10546	AAC	IEEE 802.11ac WFI (40MHz), MCS12, 900c duty cycle)	WLAN	8.53	-3.0
10547	AAC	IEEE 802.11ac WFI (40MHz), MCS13, 900c duty cycle)	WLAN	8.49	-3.0
10548	AAC	IEEE 802.11ac WFI (40MHz), MCS14, 900c duty cycle)	WLAN	8.37	-3.0
10550	AAC	IEEE 802.11ac WFI (40MHz), MCS15, 900c duty cycle)	WLAN	8.38	-3.0
10551	AAC	IEEE 802.11ac WFI (40MHz), MCS17, 900c duty cycle)	WLAN	8.53	-3.0
10552	AAC	IEEE 802.11ac WFI (40MHz), MCS18, 900c duty cycle)	WLAN	8.42	-3.0
10553	AAC	IEEE 802.11ac WFI (40MHz), MCS19, 900c duty cycle)	WLAN	8.45	-3.0
10554	AAC	IEEE 802.11ac WFI (40MHz), MCS19, 900c duty cycle)	WLAN	8.49	-3.0
10555	AAC	IEEE 802.11ac WFI (40MHz), MCS19, 900c duty cycle)	WLAN	8.47	-3.0
10556	AAC	IEEE 802.11ac WFI (40MHz), MCS19, 900c duty cycle)	WLAN	8.50	-3.0
10557	AAC	IEEE 802.11ac WFI (40MHz), MCS19, 900c duty cycle)	WLAN	8.52	-3.0
10558	AAC	IEEE 802.11ac WFI (40MHz), MCS19, 900c duty cycle)	WLAN	8.51	-3.0
10559	AAC	IEEE 802.11ac WFI (40MHz), MCS19, 900c duty cycle)	WLAN	8.53	-3.0
10560	AAC	IEEE 802.11ac WFI (40MHz), MCS19, 900c duty cycle)	WLAN	8.56	-3.0
10561	AAC	IEEE 802.11ac WFI (40MHz), MCS19, 900c duty cycle)	WLAN	8.56	-3.0
10562	AAC	IEEE 802.11ac WFI (40MHz), MCS19, 900c duty cycle)	WLAN	8.60	-3.0
10563	AAC	IEEE 802.11ac WFI (40MHz), MCS19, 900c duty cycle)	WLAN	8.77	-3.0
10564	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 900c duty cycle)	WLAN	8.25	-3.0
10565	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 900c duty cycle)	WLAN	8.45	-3.0
10566	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 900c duty cycle)	WLAN	8.13	-3.0
10567	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 900c duty cycle)	WLAN	8.00	-3.0
10568	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 900c duty cycle)	WLAN	8.37	-3.0
10569	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 900c duty cycle)	WLAN	8.10	-3.0
10570	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 900c duty cycle)	WLAN	8.29	-3.0
10571	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS, 1 Mbps, 900c duty cycle)	WLAN	1.20	-3.0
10572	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS, 2 Mbps, 900c duty cycle)	WLAN	1.50	-3.0
10573	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS, 3.5 Mbps, 900c duty cycle)	WLAN	1.98	-3.0
10574	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS, 11 Mbps, 900c duty cycle)	WLAN	1.98	-3.0
10575	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 900c duty cycle)	WLAN	8.59	-3.0
10576	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 900c duty cycle)	WLAN	8.60	-3.0
10577	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 900c duty cycle)	WLAN	8.70	-3.0
10578	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 900c duty cycle)	WLAN	8.48	-3.0
10579	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 900c duty cycle)	WLAN	8.26	-3.0
10580	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 900c duty cycle)	WLAN	8.70	-3.0
10581	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 900c duty cycle)	WLAN	8.35	-3.0
10582	AAA	IEEE 802.11n WFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 900c duty cycle)	WLAN	8.67	-3.0
10583	AAC	IEEE 802.11ah WFI 5 GHz (OFDM, 6 Mbps, 900c duty cycle)	WLAN	8.58	-3.0
10584	AAC	IEEE 802.11ah WFI 5 GHz (OFDM, 9 Mbps, 900c duty cycle)	WLAN	8.60	-3.0
10585	AAC	IEEE 802.11ah WFI 5 GHz (OFDM, 12 Mbps, 900c duty cycle)	WLAN	8.70	-3.0
10586	AAC	IEEE 802.11ah WFI 5 GHz (OFDM, 18 Mbps, 900c duty cycle)	WLAN	8.49	-3.0
10587	AAC	IEEE 802.11ah WFI 5 GHz (OFDM, 24 Mbps, 900c duty cycle)	WLAN	8.38	-3.0
10588	AAC	IEEE 802.11ah WFI 5 GHz (OFDM, 36 Mbps, 900c duty cycle)	WLAN	8.78	-3.0
10589	AAC	IEEE 802.11ah WFI 5 GHz (OFDM, 48 Mbps, 900c duty cycle)	WLAN	8.26	-3.0
10590	AAC	IEEE 802.11ah WFI 5 GHz (OFDM, 54 Mbps, 900c duty cycle)	WLAN	8.57	-3.0
10591	AAC	IEEE 802.11n (HT) MIMO, 20 MHz, MCS9, 900c duty cycle)	WLAN	8.63	-3.0
10592	AAC	IEEE 802.11n (HT) MIMO, 20 MHz, MCS11, 900c duty cycle)	WLAN	8.70	-3.0
10593	AAC	IEEE 802.11n (HT) MIMO, 20 MHz, MCS12, 900c duty cycle)	WLAN	8.64	-3.0
10594	AAC	IEEE 802.11n (HT) MIMO, 20 MHz, MCS13, 900c duty cycle)	WLAN	8.74	-3.0
10595	AAC	IEEE 802.11n (HT) MIMO, 20 MHz, MCS14, 900c duty cycle)	WLAN	8.74	-3.0
10596	AAC	IEEE 802.11n (HT) MIMO, 20 MHz, MCS15, 900c duty cycle)	WLAN	8.71	-3.0
10597	AAC	IEEE 802.11n (HT) MIMO, 20 MHz, MCS18, 900c duty cycle)	WLAN	8.72	-3.0
10598	AAC	IEEE 802.11n (HT) MIMO, 20 MHz, MCS17, 900c duty cycle)	WLAN	8.62	-3.0
10599	AAC	IEEE 802.11n (HT) MIMO, 40 MHz, MCS4, 900c duty cycle)	WLAN	8.79	-3.0
10600	AAC	IEEE 802.11n (HT) MIMO, 40 MHz, MCS7, 900c duty cycle)	WLAN	8.85	-3.0
10601	AAC	IEEE 802.11n (HT) MIMO, 40 MHz, MCS8, 900c duty cycle)	WLAN	8.85	-3.0
10602	AAC	IEEE 802.11n (HT) MIMO, 40 MHz, MCS13, 900c duty cycle)	WLAN	8.54	-3.0
10603	AAC	IEEE 802.11n (HT) MIMO, 40 MHz, MCS14, 900c duty cycle)	WLAN	8.63	-3.0
10604	AAC	IEEE 802.11n (HT) MIMO, 40 MHz, MCS15, 900c duty cycle)	WLAN	8.78	-3.0
10605	AAC	IEEE 802.11n (HT) MIMO, 40 MHz, MCS16, 900c duty cycle)	WLAN	8.87	-3.0
10606	AAC	IEEE 802.11n (HT) MIMO, 40 MHz, MCS17, 900c duty cycle)	WLAN	8.83	-3.0
10607	AAC	IEEE 802.11ac WFI (20MHz), MCS9, 900c duty cycle)	WLAN	8.64	-3.0
10608	AAC	IEEE 802.11ac WFI (20MHz), MCS17, 900c duty cycle)	WLAN	8.77	-3.0

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January 26, 2023

UID	Rev	Communication System Name	Group	RAI (dB)	Use <sup>1</sup> A ~ B
10499	AAC	IEEE 802.11ac WFI (20 MHz), MCS2, 80pc duty cycle	WLAN	8.57	+0.0
10510	AAC	IEEE 802.11ac WFI (20 MHz), MCS3, 80pc duty cycle	WLAN	8.78	+0.0
10511	AAC	IEEE 802.11ac WFI (20 MHz), MCS4, 80pc duty cycle	WLAN	8.70	+0.0
10512	AAC	IEEE 802.11ac WFI (20 MHz), MCS5, 80pc duty cycle	WLAN	8.77	+0.0
10513	AAC	IEEE 802.11ac WFI (20 MHz), MCS6, 80pc duty cycle	WLAN	8.84	+0.0
10514	AAC	IEEE 802.11ac WFI (20 MHz), MCS7, 80pc duty cycle	WLAN	8.89	+0.0
10515	AAC	IEEE 802.11ac WFI (20 MHz), MCS8, 80pc duty cycle	WLAN	8.83	+0.0
10516	AAC	IEEE 802.11ac WFI (20 MHz), MCS9, 80pc duty cycle	WLAN	8.82	+0.0
10517	AAC	IEEE 802.11ac WFI (20 MHz), MCS10, 80pc duty cycle	WLAN	8.81	+0.0
10518	AAC	IEEE 802.11ac WFI (20 MHz), MCS11, 80pc duty cycle	WLAN	8.58	+0.0
10519	AAC	IEEE 802.11ac WFI (20 MHz), MCS12, 80pc duty cycle	WLAN	8.88	+0.0
10520	AAC	IEEE 802.11ac WFI (20 MHz), MCS13, 80pc duty cycle	WLAN	8.87	+0.0
10521	AAC	IEEE 802.11ac WFI (20 MHz), MCS14, 80pc duty cycle	WLAN	8.77	+0.0
10522	AAC	IEEE 802.11ac WFI (20 MHz), MCS15, 80pc duty cycle	WLAN	8.88	+0.0
10523	AAC	IEEE 802.11ac WFI (20 MHz), MCS16, 80pc duty cycle	WLAN	8.82	+0.0
10524	AAC	IEEE 802.11ac WFI (20 MHz), MCS17, 80pc duty cycle	WLAN	8.86	+0.0
10525	AAC	IEEE 802.11ac WFI (20 MHz), MCS18, 80pc duty cycle	WLAN	8.86	+0.0
10526	AAC	IEEE 802.11ac WFI (20 MHz), MCS19, 80pc duty cycle	WLAN	8.93	+0.0
10527	AAC	IEEE 802.11ac WFI (20 MHz), MCS20, 80pc duty cycle	WLAN	8.93	+0.0
10528	AAC	IEEE 802.11ac WFI (20 MHz), MCS21, 80pc duty cycle	WLAN	8.71	+0.0
10529	AAC	IEEE 802.11ac WFI (20 MHz), MCS22, 80pc duty cycle	WLAN	8.85	+0.0
10530	AAC	IEEE 802.11ac WFI (20 MHz), MCS23, 80pc duty cycle	WLAN	8.72	+0.0
10531	AAC	IEEE 802.11ac WFI (20 MHz), MCS24, 80pc duty cycle	WLAN	8.91	+0.0
10532	AAC	IEEE 802.11ac WFI (20 MHz), MCS25, 80pc duty cycle	WLAN	8.74	+0.0
10533	AAC	IEEE 802.11ac WFI (20 MHz), MCS26, 80pc duty cycle	WLAN	8.83	+0.0
10534	AAC	IEEE 802.11ac WFI (20 MHz), MCS27, 80pc duty cycle	WLAN	8.87	+0.0
10535	AAC	IEEE 802.11ac WFI (20 MHz), MCS28, 80pc duty cycle	WLAN	8.87	+0.0
10536	AAC	IEEE 802.11ac WFI (20 MHz), MCS29, 80pc duty cycle	WLAN	8.83	+0.0
10537	AAC	IEEE 802.11ac WFI (20 MHz), MCS30, 80pc duty cycle	WLAN	8.79	+0.0
10538	AAC	IEEE 802.11ac WFI (20 MHz), MCS31, 80pc duty cycle	WLAN	8.56	+0.0
10539	AAC	IEEE 802.11ac WFI (20 MHz), MCS32, 80pc duty cycle	WLAN	8.85	+0.0
10540	AAC	IEEE 802.11ac WFI (20 MHz), MCS33, 80pc duty cycle	WLAN	8.89	+0.0
10541	AAC	IEEE 802.11ac WFI (20 MHz), MCS34, 80pc duty cycle	WLAN	8.90	+0.0
10542	AAC	IEEE 802.11ac WFI (20 MHz), MCS35, 80pc duty cycle	WLAN	8.90	+0.0
10543	AAC	IEEE 802.11ac WFI (20 MHz), MCS36, 80pc duty cycle	WLAN	8.89	+0.0
10544	AAC	IEEE 802.11ac WFI (20 MHz), MCS37, 80pc duty cycle	WLAN	8.85	+0.0
10545	AAC	IEEE 802.11ac WFI (20 MHz), MCS38, 80pc duty cycle	WLAN	8.81	+0.0
10546	AAC	IEEE 802.11ac WFI (20 MHz), MCS39, 80pc duty cycle	WLAN	8.81	+0.0
10547	AAC	IEEE 802.11ac WFI (20 MHz), MCS40, 80pc duty cycle	WLAN	8.83	+0.0
10548	AAC	IEEE 802.11ac WFI (20 MHz), MCS41, 80pc duty cycle	WLAN	8.83	+0.0
10549	AAC	IEEE 802.11ac WFI (20 MHz), MCS42, 80pc duty cycle	WLAN	8.83	+0.0
10550	AAC	IEEE 802.11ac WFI (20 MHz), MCS43, 80pc duty cycle	WLAN	8.83	+0.0
10551	AAC	IEEE 802.11ac WFI (20 MHz), MCS44, 80pc duty cycle	WLAN	8.83	+0.0
10552	AAC	IEEE 802.11ac WFI (20 MHz), MCS45, 80pc duty cycle	WLAN	8.83	+0.0
10553	AAC	IEEE 802.11ac WFI (20 MHz), MCS46, 80pc duty cycle	WLAN	8.83	+0.0
10554	AAC	IEEE 802.11ac WFI (20 MHz), MCS47, 80pc duty cycle	WLAN	8.83	+0.0
10555	AAC	IEEE 802.11ac WFI (20 MHz), MCS48, 80pc duty cycle	WLAN	8.83	+0.0
10556	AAC	IEEE 802.11ac WFI (20 MHz), MCS49, 80pc duty cycle	WLAN	8.83	+0.0
10557	AAC	IEEE 802.11ac WFI (20 MHz), MCS50, 80pc duty cycle	WLAN	8.83	+0.0
10558	AAC	IEEE 802.11ac WFI (20 MHz), MCS51, 80pc duty cycle	WLAN	8.83	+0.0
10559	AAC	IEEE 802.11ac WFI (20 MHz), MCS52, 80pc duty cycle	WLAN	8.83	+0.0
10560	AAC	IEEE 802.11ac WFI (20 MHz), MCS53, 80pc duty cycle	WLAN	8.83	+0.0
10561	AAC	IEEE 802.11ac WFI (20 MHz), MCS54, 80pc duty cycle	WLAN	8.83	+0.0
10562	AAC	IEEE 802.11ac WFI (20 MHz), MCS55, 80pc duty cycle	WLAN	8.83	+0.0
10563	AAC	IEEE 802.11ac WFI (20 MHz), MCS56, 80pc duty cycle	WLAN	8.83	+0.0
10564	AAC	IEEE 802.11ac WFI (20 MHz), MCS57, 80pc duty cycle	WLAN	8.83	+0.0
10565	AAC	IEEE 802.11ac WFI (20 MHz), MCS58, 80pc duty cycle	WLAN	8.83	+0.0
10566	AAC	IEEE 802.11ac WFI (20 MHz), MCS59, 80pc duty cycle	WLAN	8.83	+0.0
10567	AAC	IEEE 802.11ac WFI (20 MHz), MCS60, 80pc duty cycle	WLAN	8.83	+0.0
10568	AAC	IEEE 802.11ac WFI (20 MHz), MCS61, 80pc duty cycle	WLAN	8.83	+0.0
10569	AAC	IEEE 802.11ac WFI (20 MHz), MCS62, 80pc duty cycle	WLAN	8.83	+0.0
10570	AAC	IEEE 802.11ac WFI (20 MHz), MCS63, 80pc duty cycle	WLAN	8.83	+0.0
10571	AAC	IEEE 802.11ac WFI (20 MHz), MCS64, 80pc duty cycle	WLAN	8.83	+0.0
10572	AAC	IEEE 802.11ac WFI (20 MHz), MCS65, 80pc duty cycle	WLAN	8.83	+0.0
10573	AAC	IEEE 802.11ac WFI (20 MHz), MCS66, 80pc duty cycle	WLAN	8.83	+0.0
10574	AAC	IEEE 802.11ac WFI (20 MHz), MCS67, 80pc duty cycle	WLAN	8.83	+0.0
10575	AAC	IEEE 802.11ac WFI (20 MHz), MCS68, 80pc duty cycle	WLAN	8.83	+0.0
10576	AAC	IEEE 802.11ac WFI (20 MHz), MCS69, 80pc duty cycle	WLAN	8.83	+0.0
10577	AAC	IEEE 802.11ac WFI (20 MHz), MCS70, 80pc duty cycle	WLAN	8.83	+0.0
10578	AAC	IEEE 802.11ac WFI (20 MHz), MCS71, 80pc duty cycle	WLAN	8.83	+0.0
10579	AAC	IEEE 802.11ac WFI (20 MHz), MCS72, 80pc duty cycle	WLAN	8.83	+0.0
10580	AAC	IEEE 802.11ac WFI (20 MHz), MCS73, 80pc duty cycle	WLAN	8.83	+0.0
10581	AAC	IEEE 802.11ac WFI (20 MHz), MCS74, 80pc duty cycle	WLAN	8.83	+0.0
10582	AAC	IEEE 802.11ac WFI (20 MHz), MCS75, 80pc duty cycle	WLAN	8.83	+0.0
10583	AAC	IEEE 802.11ac WFI (20 MHz), MCS76, 80pc duty cycle	WLAN	8.83	+0.0
10584	AAC	IEEE 802.11ac WFI (20 MHz), MCS77, 80pc duty cycle	WLAN	8.83	+0.0
10585	AAC	IEEE 802.11ac WFI (20 MHz), MCS78, 80pc duty cycle	WLAN	8.83	+0.0
10586	AAC	IEEE 802.11ac WFI (20 MHz), MCS79, 80pc duty cycle	WLAN	8.83	+0.0
10587	AAC	IEEE 802.11ac WFI (20 MHz), MCS80, 80pc duty cycle	WLAN	8.83	+0.0
10588	AAC	IEEE 802.11ac WFI (20 MHz), MCS81, 80pc duty cycle	WLAN	8.83	+0.0
10589	AAC	IEEE 802.11ac WFI (20 MHz), MCS82, 80pc duty cycle	WLAN	8.83	+0.0
10590	AAC	IEEE 802.11ac WFI (20 MHz), MCS83, 80pc duty cycle	WLAN	8.83	+0.0

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EX3004 - SN3886

January 28, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Line# # x 3
10887	AAC	IEEE 802.11ax (80 MHz, MCS4, 80pc duty cycle)	WLAN	8.05	-28.0
10888	AAC	IEEE 802.11ax (80 MHz, MCS5, 80pc duty cycle)	WLAN	8.39	-28.0
10889	AAC	IEEE 802.11ax (80 MHz, MCS6, 80pc duty cycle)	WLAN	8.93	-28.0
10890	AAC	IEEE 802.11ax (80 MHz, MCS7, 80pc duty cycle)	WLAN	8.20	-28.0
10891	AAC	IEEE 802.11ax (80 MHz, MCS8, 80pc duty cycle)	WLAN	8.22	-28.0
10892	AAC	IEEE 802.11ax (80 MHz, MCS9, 80pc duty cycle)	WLAN	8.20	-28.0
10893	AAC	IEEE 802.11ax (80 MHz, MCS10, 80pc duty cycle)	WLAN	8.25	-28.0
10894	AAC	IEEE 802.11ax (80 MHz, MCS11, 80pc duty cycle)	WLAN	8.07	-28.0
10895	AAC	IEEE 802.11ax (80 MHz, MCS12, 80pc duty cycle)	WLAN	8.70	-28.0
10896	AAC	IEEE 802.11ax (80 MHz, MCS13, 80pc duty cycle)	WLAN	8.01	-28.0
10897	AAC	IEEE 802.11ax (80 MHz, MCS14, 80pc duty cycle)	WLAN	8.61	-28.0
10898	AAC	IEEE 802.11ax (80 MHz, MCS15, 80pc duty cycle)	WLAN	8.69	-28.0
10899	AAC	IEEE 802.11ax (80 MHz, MCS16, 80pc duty cycle)	WLAN	8.80	-28.0
10900	AAC	IEEE 802.11ax (80 MHz, MCS17, 80pc duty cycle)	WLAN	8.73	-28.0
10901	AAC	IEEE 802.11ax (80 MHz, MCS18, 80pc duty cycle)	WLAN	8.66	-28.0
10902	AAC	IEEE 802.11ax (80 MHz, MCS19, 80pc duty cycle)	WLAN	8.70	-28.0
10903	AAC	IEEE 802.11ax (80 MHz, MCS20, 80pc duty cycle)	WLAN	8.52	-28.0
10904	AAC	IEEE 802.11ax (80 MHz, MCS21, 80pc duty cycle)	WLAN	8.58	-28.0
10905	AAC	IEEE 802.11ax (80 MHz, MCS22, 80pc duty cycle)	WLAN	8.60	-28.0
10906	AAC	IEEE 802.11ax (80 MHz, MCS23, 80pc duty cycle)	WLAN	8.66	-28.0
10907	AAC	IEEE 802.11ax (80 MHz, MCS24, 80pc duty cycle)	WLAN	8.32	-28.0
10908	AAC	IEEE 802.11ax (80 MHz, MCS25, 80pc duty cycle)	WLAN	8.55	-28.0
10909	AAC	IEEE 802.11ax (80 MHz, MCS26, 80pc duty cycle)	WLAN	8.33	-28.0
10910	AAC	IEEE 802.11ax (80 MHz, MCS27, 80pc duty cycle)	WLAN	8.20	-28.0
10911	AAC	IEEE 802.11ax (80 MHz, MCS28, 80pc duty cycle)	WLAN	8.39	-28.0
10912	AAC	IEEE 802.11ax (80 MHz, MCS29, 80pc duty cycle)	WLAN	8.87	-28.0
10913	AAC	IEEE 802.11ax (80 MHz, MCS30, 80pc duty cycle)	WLAN	8.33	-28.0
10914	AAC	IEEE 802.11ax (80 MHz, MCS31, 80pc duty cycle)	WLAN	8.28	-28.0
10915	AAC	IEEE 802.11ax (80 MHz, MCS32, 80pc duty cycle)	WLAN	8.42	-28.0
10916	AAC	IEEE 802.11ax (80 MHz, MCS33, 80pc duty cycle)	WLAN	8.33	-28.0
10917	AAC	IEEE 802.11ax (80 MHz, MCS34, 80pc duty cycle)	WLAN	8.48	-28.0
10918	AAC	IEEE 802.11ax (80 MHz, MCS35, 80pc duty cycle)	WLAN	8.24	-28.0
10919	AAC	IEEE 802.11ax (80 MHz, MCS36, 80pc duty cycle)	WLAN	8.81	-28.0
10920	AAC	IEEE 802.11ax (80 MHz, MCS37, 80pc duty cycle)	WLAN	8.67	-28.0
10921	AAC	IEEE 802.11ax (80 MHz, MCS38, 80pc duty cycle)	WLAN	8.70	-28.0
10922	AAC	IEEE 802.11ax (80 MHz, MCS39, 80pc duty cycle)	WLAN	8.66	-28.0
10923	AAC	IEEE 802.11ax (80 MHz, MCS40, 80pc duty cycle)	WLAN	8.70	-28.0
10924	AAC	IEEE 802.11ax (80 MHz, MCS41, 80pc duty cycle)	WLAN	8.20	-28.0
10925	AAC	IEEE 802.11ax (80 MHz, MCS42, 80pc duty cycle)	WLAN	8.74	-28.0
10926	AAC	IEEE 802.11ax (80 MHz, MCS43, 80pc duty cycle)	WLAN	8.70	-28.0
10927	AAC	IEEE 802.11ax (80 MHz, MCS44, 80pc duty cycle)	WLAN	8.66	-28.0
10928	AAC	IEEE 802.11ax (80 MHz, MCS45, 80pc duty cycle)	WLAN	8.65	-28.0
10929	AAC	IEEE 802.11ax (80 MHz, MCS46, 80pc duty cycle)	WLAN	8.64	-28.0
10930	AAC	IEEE 802.11ax (80 MHz, MCS47, 80pc duty cycle)	WLAN	8.67	-28.0
10931	AAC	IEEE 802.11ax (80 MHz, MCS48, 80pc duty cycle)	WLAN	8.42	-28.0
10932	AAC	IEEE 802.11ax (80 MHz, MCS49, 80pc duty cycle)	WLAN	8.46	-28.0
10933	AAC	IEEE 802.11ax (80 MHz, MCS50, 80pc duty cycle)	WLAN	8.40	-28.0
10934	AAC	IEEE 802.11ax (80 MHz, MCS51, 80pc duty cycle)	WLAN	8.25	-28.0
10935	AAC	IEEE 802.11ax (80 MHz, MCS52, 80pc duty cycle)	WLAN	8.35	-28.0
10936	AAC	IEEE 802.11ax (80 MHz, MCS53, 80pc duty cycle)	WLAN	8.27	-28.0
10937	AAC	IEEE 802.11ax (80 MHz, MCS54, 80pc duty cycle)	WLAN	8.36	-28.0
10938	AAC	IEEE 802.11ax (80 MHz, MCS55, 80pc duty cycle)	WLAN	8.42	-28.0
10939	AAC	IEEE 802.11ax (80 MHz, MCS56, 80pc duty cycle)	WLAN	8.29	-28.0
10940	AAC	IEEE 802.11ax (80 MHz, MCS57, 80pc duty cycle)	WLAN	8.48	-28.0
10941	AAC	IEEE 802.11ax (80 MHz, MCS58, 80pc duty cycle)	WLAN	8.40	-28.0
10942	AAC	IEEE 802.11ax (80 MHz, MCS59, 80pc duty cycle)	WLAN	8.44	-28.0
10943	AAC	IEEE 802.11ax (80 MHz, MCS60, 80pc duty cycle)	WLAN	8.99	-28.0
10944	AAC	IEEE 802.11ax (80 MHz, MCS61, 80pc duty cycle)	WLAN	9.18	-28.0
10945	AAC	IEEE 802.11ax (80 MHz, MCS62, 80pc duty cycle)	WLAN	8.33	-28.0
10946	AAC	IEEE 802.11ax (80 MHz, MCS63, 80pc duty cycle)	WLAN	8.11	-28.0
10947	AAC	IEEE 802.11ax (80 MHz, MCS64, 80pc duty cycle)	WLAN	8.34	-28.0
10948	AAC	IEEE 802.11ax (80 MHz, MCS65, 80pc duty cycle)	WLAN	8.94	-28.0
10949	AAC	IEEE 802.11ax (80 MHz, MCS66, 80pc duty cycle)	WLAN	8.90	-28.0
10950	AAC	IEEE 802.11ax (80 MHz, MCS67, 80pc duty cycle)	WLAN	8.79	-28.0
10951	AAC	IEEE 802.11ax (80 MHz, MCS68, 80pc duty cycle)	WLAN	8.82	-28.0
10952	AAC	IEEE 802.11ax (80 MHz, MCS69, 80pc duty cycle)	WLAN	8.81	-28.0

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January 26, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Dist. & n:1
10750	AAC	IEEE 802.11a (180MHz, MCS10, 90pc duty cycle)	WLAN	9.00	-29.0
10754	AAC	IEEE 802.11a (180MHz, MCS11, 90pc duty cycle)	WLAN	9.04	-29.0
10758	AAC	IEEE 802.11a (180MHz, MCS0, 90pc duty cycle)	WLAN	9.04	-29.0
10759	AAC	IEEE 802.11a (180MHz, MCS1, 90pc duty cycle)	WLAN	9.77	-29.0
10761	AAC	IEEE 802.11a (180MHz, MCS2, 90pc duty cycle)	WLAN	9.80	-29.0
10762	AAC	IEEE 802.11a (180MHz, MCS3, 90pc duty cycle)	WLAN	9.84	-29.0
10763	AAC	IEEE 802.11a (180MHz, MCS4, 90pc duty cycle)	WLAN	9.88	-29.0
10764	AAC	IEEE 802.11a (180MHz, MCS5, 90pc duty cycle)	WLAN	9.92	-29.0
10765	AAC	IEEE 802.11a (180MHz, MCS6, 90pc duty cycle)	WLAN	9.96	-29.0
10766	AAC	IEEE 802.11a (180MHz, MCS7, 90pc duty cycle)	WLAN	10.00	-29.0
10767	AAC	IEEE 802.11a (180MHz, MCS8, 90pc duty cycle)	WLAN	10.04	-29.0
10768	AAC	IEEE 802.11a (180MHz, MCS9, 90pc duty cycle)	WLAN	10.08	-29.0
10769	AAC	IEEE 802.11a (180MHz, MCS10, 90pc duty cycle)	WLAN	10.12	-29.0
10770	AAC	IEEE 802.11a (180MHz, MCS11, 90pc duty cycle)	WLAN	10.16	-29.0
10771	AAD	80 NR (CP-OFDM, 1 RB, 3.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	7.99	-28.0
10772	AAD	80 NR (CP-OFDM, 1 RB, 10.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10773	AAD	80 NR (CP-OFDM, 1 RB, 15.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10774	AAD	80 NR (CP-OFDM, 1 RB, 20.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10775	AAD	80 NR (CP-OFDM, 1 RB, 25.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10776	AAD	80 NR (CP-OFDM, 1 RB, 30.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10777	AAD	80 NR (CP-OFDM, 1 RB, 35.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10778	AAD	80 NR (CP-OFDM, 1 RB, 40.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10779	AAD	80 NR (CP-OFDM, 1 RB, 45.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10780	AAD	80 NR (CP-OFDM, 1 RB, 50.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10781	AAD	80 NR (CP-OFDM, 1 RB, 55.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10782	AAD	80 NR (CP-OFDM, 1 RB, 60.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10783	AAD	80 NR (CP-OFDM, 1 RB, 65.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10784	AAD	80 NR (CP-OFDM, 1 RB, 70.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10785	AAD	80 NR (CP-OFDM, 1 RB, 75.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10786	AAD	80 NR (CP-OFDM, 1 RB, 80.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10787	AAD	80 NR (CP-OFDM, 1 RB, 85.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10788	AAD	80 NR (CP-OFDM, 1 RB, 90.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10789	AAD	80 NR (CP-OFDM, 1 RB, 95.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10790	AAD	80 NR (CP-OFDM, 1 RB, 100.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10791	AAD	80 NR (CP-OFDM, 1 RB, 105.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10792	AAD	80 NR (CP-OFDM, 1 RB, 110.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10793	AAD	80 NR (CP-OFDM, 1 RB, 115.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10794	AAD	80 NR (CP-OFDM, 1 RB, 120.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10795	AAD	80 NR (CP-OFDM, 1 RB, 125.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10796	AAD	80 NR (CP-OFDM, 1 RB, 130.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10797	AAD	80 NR (CP-OFDM, 1 RB, 135.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10798	AAD	80 NR (CP-OFDM, 1 RB, 140.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10799	AAD	80 NR (CP-OFDM, 1 RB, 145.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10800	AAD	80 NR (CP-OFDM, 1 RB, 150.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10801	AAD	80 NR (CP-OFDM, 1 RB, 155.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10802	AAD	80 NR (CP-OFDM, 1 RB, 160.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10803	AAD	80 NR (CP-OFDM, 1 RB, 165.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10804	AAD	80 NR (CP-OFDM, 1 RB, 170.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10805	AAD	80 NR (CP-OFDM, 1 RB, 175.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10806	AAD	80 NR (CP-OFDM, 1 RB, 180.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10807	AAD	80 NR (CP-OFDM, 1 RB, 185.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10808	AAD	80 NR (CP-OFDM, 1 RB, 190.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10809	AAD	80 NR (CP-OFDM, 1 RB, 195.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0
10810	AAD	80 NR (CP-OFDM, 1 RB, 200.0MHz, QPSK, 15.6kHz)	80 NR FRI TDD	8.31	-28.0



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EX0044 - SN:3886

January 26, 2023

UEI	Rev	Communication System Name	Group	Power (dBm)	Usage # of 3
10029	AA0	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 30MHz)	5G NR FRI TDD	6.40	-2.8
10030	AA0	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	7.40	-2.8
10031	AA0	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	7.70	-2.8
10032	AA0	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	7.74	-2.8
10033	AA0	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	7.70	-2.8
10034	AA0	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	7.70	-2.8
10035	AA0	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	7.70	-2.8
10036	AA0	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	7.66	-2.8
10037	AA0	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	7.66	-2.8
10038	AA0	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	7.70	-2.8
10040	AA0	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	7.67	-2.8
10041	AA0	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	7.71	-2.8
10042	AA0	5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.40	-2.8
10043	AA0	5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.34	-2.8
10044	AA0	5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.41	-2.8
10045	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.34	-2.8
10046	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.36	-2.8
10047	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.37	-2.8
10048	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.30	-2.8
10049	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.36	-2.8
10050	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.41	-2.8
10051	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.40	-2.8
10052	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.41	-2.8
10053	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.37	-2.8
10054	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.41	-2.8
10055	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10056	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10057	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10058	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10059	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10060	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10061	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10062	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10063	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10064	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10065	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10066	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10067	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10068	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10069	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10070	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10071	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10072	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10073	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10074	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10075	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10076	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10077	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10078	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10079	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10080	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10081	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10082	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10083	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10084	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10085	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10086	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10087	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10088	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10089	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10090	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10091	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10092	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10093	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10094	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10095	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10096	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10097	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10098	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10099	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10100	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8
10101	AA0	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.38	-2.8

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EX3044 - SN:3886

January 26, 2023

UFF	Rev	Communication System Name	Group	PAIR (dB)	UHF#	U = 3
10911	AAB	5G NR (DFT+CPDM, 80% RB, 25MHz, QPSK, 30MHz)	5G NR FRI TDD	8.93	10911	10911
10912	AAB	5G NR (DFT+CPDM, 80% RB, 30MHz, QPSK, 30MHz)	5G NR FRI TDD	8.94	10912	10912
10913	AAB	5G NR (DFT+CPDM, 80% RB, 40MHz, QPSK, 30MHz)	5G NR FRI TDD	8.94	10913	10913
10914	AAB	5G NR (DFT+CPDM, 80% RB, 50MHz, QPSK, 30MHz)	5G NR FRI TDD	8.95	10914	10914
10915	AAB	5G NR (DFT+CPDM, 80% RB, 60MHz, QPSK, 30MHz)	5G NR FRI TDD	8.95	10915	10915
10916	AAB	5G NR (DFT+CPDM, 80% RB, 70MHz, QPSK, 30MHz)	5G NR FRI TDD	8.95	10916	10916
10917	AAB	5G NR (DFT+CPDM, 80% RB, 80MHz, QPSK, 30MHz)	5G NR FRI TDD	8.95	10917	10917
10918	AAB	5G NR (DFT+CPDM, 100% RB, 5MHz, QPSK, 30MHz)	5G NR FRI TDD	8.96	10918	10918
10919	AAB	5G NR (DFT+CPDM, 100% RB, 10MHz, QPSK, 30MHz)	5G NR FRI TDD	8.96	10919	10919
10920	AAB	5G NR (DFT+CPDM, 100% RB, 15MHz, QPSK, 30MHz)	5G NR FRI TDD	8.97	10920	10920
10921	AAB	5G NR (DFT+CPDM, 100% RB, 20MHz, QPSK, 30MHz)	5G NR FRI TDD	8.94	10921	10921
10922	AAB	5G NR (DFT+CPDM, 100% RB, 25MHz, QPSK, 30MHz)	5G NR FRI TDD	8.92	10922	10922
10923	AAB	5G NR (DFT+CPDM, 100% RB, 30MHz, QPSK, 30MHz)	5G NR FRI TDD	8.94	10923	10923
10924	AAB	5G NR (DFT+CPDM, 100% RB, 40MHz, QPSK, 30MHz)	5G NR FRI TDD	8.94	10924	10924
10925	AAB	5G NR (DFT+CPDM, 100% RB, 50MHz, QPSK, 30MHz)	5G NR FRI TDD	8.96	10925	10925
10926	AAB	5G NR (DFT+CPDM, 100% RB, 60MHz, QPSK, 30MHz)	5G NR FRI TDD	8.94	10926	10926
10927	AAB	5G NR (DFT+CPDM, 100% RB, 80MHz, QPSK, 30MHz)	5G NR FRI TDD	8.94	10927	10927
10928	AAC	5G NR (DFT+CPDM, 1 RB, 5MHz, QPSK, 15MHz)	5G NR FRI FDD	8.92	10928	10928
10929	AAC	5G NR (DFT+CPDM, 1 RB, 10MHz, QPSK, 15MHz)	5G NR FRI FDD	8.92	10929	10929
10930	AAC	5G NR (DFT+CPDM, 1 RB, 15MHz, QPSK, 15MHz)	5G NR FRI FDD	8.92	10930	10930
10931	AAC	5G NR (DFT+CPDM, 1 RB, 20MHz, QPSK, 15MHz)	5G NR FRI FDD	8.91	10931	10931
10932	AAC	5G NR (DFT+CPDM, 1 RB, 25MHz, QPSK, 15MHz)	5G NR FRI FDD	8.91	10932	10932
10933	AAC	5G NR (DFT+CPDM, 1 RB, 30MHz, QPSK, 15MHz)	5G NR FRI FDD	8.91	10933	10933
10934	AAC	5G NR (DFT+CPDM, 1 RB, 40MHz, QPSK, 15MHz)	5G NR FRI FDD	8.91	10934	10934
10935	AAC	5G NR (DFT+CPDM, 1 RB, 50MHz, QPSK, 15MHz)	5G NR FRI FDD	8.91	10935	10935
10936	AAC	5G NR (DFT+CPDM, 50% RB, 5MHz, QPSK, 15MHz)	5G NR FRI FDD	8.96	10936	10936
10937	AAC	5G NR (DFT+CPDM, 50% RB, 10MHz, QPSK, 15MHz)	5G NR FRI FDD	8.97	10937	10937
10938	AAC	5G NR (DFT+CPDM, 50% RB, 15MHz, QPSK, 15MHz)	5G NR FRI FDD	8.98	10938	10938
10939	AAC	5G NR (DFT+CPDM, 50% RB, 20MHz, QPSK, 15MHz)	5G NR FRI FDD	8.98	10939	10939
10940	AAC	5G NR (DFT+CPDM, 50% RB, 25MHz, QPSK, 15MHz)	5G NR FRI FDD	8.99	10940	10940
10941	AAC	5G NR (DFT+CPDM, 50% RB, 30MHz, QPSK, 15MHz)	5G NR FRI FDD	8.93	10941	10941
10942	AAC	5G NR (DFT+CPDM, 50% RB, 40MHz, QPSK, 15MHz)	5G NR FRI FDD	8.85	10942	10942
10943	AAC	5G NR (DFT+CPDM, 50% RB, 50MHz, QPSK, 15MHz)	5G NR FRI FDD	8.80	10943	10943
10944	AAC	5G NR (DFT+CPDM, 100% RB, 5MHz, QPSK, 15MHz)	5G NR FRI FDD	8.91	10944	10944
10945	AAC	5G NR (DFT+CPDM, 100% RB, 10MHz, QPSK, 15MHz)	5G NR FRI FDD	8.93	10945	10945
10946	AAC	5G NR (DFT+CPDM, 100% RB, 15MHz, QPSK, 15MHz)	5G NR FRI FDD	8.97	10946	10946
10947	AAC	5G NR (DFT+CPDM, 100% RB, 20MHz, QPSK, 15MHz)	5G NR FRI FDD	8.94	10947	10947
10948	AAC	5G NR (DFT+CPDM, 100% RB, 30MHz, QPSK, 15MHz)	5G NR FRI FDD	8.97	10948	10948
10949	AAC	5G NR (DFT+CPDM, 100% RB, 40MHz, QPSK, 15MHz)	5G NR FRI FDD	8.94	10949	10949
10950	AAC	5G NR (DFT+CPDM, 100% RB, 50MHz, QPSK, 15MHz)	5G NR FRI FDD	8.92	10950	10950
10951	AAD	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15MHz)	5G NR FRI FDD	8.25	10951	10951
10952	AAD	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15MHz)	5G NR FRI FDD	8.15	10952	10952
10953	AAD	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15MHz)	5G NR FRI FDD	8.20	10953	10953
10954	AAD	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 15MHz)	5G NR FRI FDD	8.20	10954	10954
10955	AAD	5G NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 15MHz)	5G NR FRI FDD	8.20	10955	10955
10956	AAD	5G NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 15MHz)	5G NR FRI FDD	8.21	10956	10956
10957	AAD	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 84-QAM, 30MHz)	5G NR FRI FDD	8.21	10957	10957
10958	AAD	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 84-QAM, 30MHz)	5G NR FRI FDD	8.21	10958	10958
10959	AAD	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 84-QAM, 30MHz)	5G NR FRI FDD	8.23	10959	10959
10960	AAD	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 84-QAM, 30MHz)	5G NR FRI FDD	8.23	10960	10960
10961	AAD	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15MHz)	5G NR FRI TDD	8.32	10961	10961
10962	AAD	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15MHz)	5G NR FRI TDD	8.30	10962	10962
10963	AAD	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15MHz)	5G NR FRI TDD	8.40	10963	10963
10964	AAD	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 15MHz)	5G NR FRI TDD	8.25	10964	10964
10965	AAD	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 84-QAM, 30MHz)	5G NR FRI TDD	8.20	10965	10965
10966	AAD	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 84-QAM, 30MHz)	5G NR FRI TDD	8.27	10966	10966
10967	AAD	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 84-QAM, 30MHz)	5G NR FRI TDD	8.25	10967	10967
10968	AAD	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 84-QAM, 30MHz)	5G NR FRI TDD	8.42	10968	10968
10969	AAD	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 84-QAM, 30MHz)	5G NR FRI TDD	8.40	10969	10969
10970	AAD	5G NR DL (CP-OFDM, 1 RB, 5MHz, QPSK, 15MHz)	5G NR FRI TDD	11.25	10970	10970
10971	AAD	5G NR DL (CP-OFDM, 1 RB, 10MHz, QPSK, 15MHz)	5G NR FRI TDD	8.76	10971	10971
10972	AAD	5G NR DL (CP-OFDM, 1 RB, 15MHz, QPSK, 15MHz)	5G NR FRI TDD	10.28	10972	10972
10973	AAD	5G NR DL (CP-OFDM, 1 RB, 20MHz, QPSK, 15MHz)	5G NR FRI TDD	11.18	10973	10973
10974	AAD	5G NR DL (CP-OFDM, 1 RB, 30MHz, QPSK, 15MHz)	5G NR FRI TDD	10.28	10974	10974
10975	AAR	ULLA HDR	ULLA	8.18	10975	10975
10976	AAR	ULLA HDR4	ULLA	8.58	10976	10976
10977	AAR	ULLA HDR8	ULLA	10.20	10977	10977
10978	AAR	ULLA HDR16	ULLA	8.18	10978	10978
10979	AAR	ULLA HDR32	ULLA	8.43	10979	10979



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EX304 - SN:3986

January 26, 2023

QID	Rev	Communication System Name	Group	FAH (dB)	Unc <sup>2</sup> (dB)
1038D	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 MHz)	5G NR FR1 TDD	8.31	±0.5
1038E	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 15 MHz)	5G NR FR1 TDD	8.42	±0.5
1038F	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 MHz)	5G NR FR1 TDD	8.54	±0.5
1038G	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 MHz)	5G NR FR1 TDD	8.65	±0.5
1038H	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 MHz)	5G NR FR1 TDD	8.77	±0.5
1038I	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 MHz)	5G NR FR1 TDD	8.88	±0.5
1038J	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 MHz)	5G NR FR1 TDD	8.99	±0.5
1038K	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 MHz)	5G NR FR1 TDD	9.10	±0.5

<sup>2</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

**Appendix D.2 Calibration certificate for Probe(SN 3791)**

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




S Schweizerischer Kalibrierdienst  
 C Service suisse d'étalonnage  
 S 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 0106

Client: **SGS**  
 Gyeonggi-do, Republic of Korea

Certificate No.: **EX-3791\_May23**

**CALIBRATION CERTIFICATE**

Object: **EX3DV4 - SN:3791**

Calibration procedure(s): **QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6, QA CAL-25.v8**  
 Calibration procedure for dosimetric E-field probes

Calibration date: **May 23, 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 NR12	SN: 104778	30-Mar-23 (No. 217-03854/03805)	Mar-24
Power sensor NRP-291	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
DCP DAK-3.5 (weighted)	SN: 1249	29-Oct-22 (DCP-DAK3.5-1249_Oct22)	Oct-23
DCP DAK-12	SN: 1016	29-Oct-22 (DCP-DAK12-1016_Oct22)	Oct-23
Reference 20 dB Attenuator	SN: C2552 (20x)	30-Mar-23 (No. 217-03909)	Mar-24
DAE4	SN: 860	16-Mar-23 (No. DAE5-000_Mar23)	Mar-24
Reference Probe ESS0V2	SN: 3013	06-Jan-23 (No. E53-3013_Jan23)	Jan-24

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41282074	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: NY41409337	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
HP generator HP 8648C	SN: US3042US1700	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

Calibrated by: **Jeton Kaarzi** (Name), **Laboratory Technician** (Function), *[Signature]* (Signature)

Approved by: **Sven Källin** (Name), **Technical Manager** (Function), *[Signature]* (Signature)

Issued: **May 24, 2023**

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



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



S Schweizerischer Kalibrierdienst  
C Service suisse d'étalonnage  
S Servizio svizzero di tarature  
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 0106

**Glossary**

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

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

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices – Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4MHz to 10 GHz)", October 2020.
- b) KDB 885864, "SAR Measurement Requirements for 100MHz to 6GHz"

**Methods Applied and Interpretation of Parameters:**

- NORM<sub>x,y,z</sub>: Assessed for E-field polarization  $\theta = 0$  ( $f \leq 905$  MHz in TEM-cell;  $f > 1800$  MHz: R22 waveguide). NORM<sub>x,y,z</sub> are only intermediate values, i.e., the uncertainties of NORM<sub>x,y,z</sub> does not affect the E<sup>2</sup>-field uncertainty inside TSL (see below ConvF).
- NORM<sub>(ix,y,z)</sub> = NORM<sub>x,y,z</sub> \* 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.
- DCP<sub>x,y,z</sub>: 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
- A<sub>x,y,z</sub>; B<sub>x,y,z</sub>; C<sub>x,y,z</sub>; D<sub>x,y,z</sub>; W<sub>(ix,y,z)</sub>: 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  $f \leq 800$  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 NORM<sub>x,y,z</sub> \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from  $\pm 50$  MHz to  $\pm 100$  MHz.
- Spherical isotropy (3D deviation from isotropy): In a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORM<sub>x</sub> (no uncertainty required).

EX3DV4 - SN:3791

May 23, 2023

**Parameters of Probe: EX3DV4 - SN:3791**

**Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ( $\mu V/(V/m)^2$ ) <sup>A</sup>	0.54	0.52	0.51	±10.1%
DCP ( $\mu V$ ) <sup>B</sup>	102.0	101.5	101.0	±4.7%

**Calibration Results for Modulation Response**

UID	Communication System Name	A dB	B dB $\sqrt{\mu V}$	C	D dB	VR mV	Max dev.	Max Unc <sup>C</sup> k = 2	
0	CW	X	0.00	0.00	1.00	0.00	150.1	±2.2%	±4.7%
		Y	0.00	0.00	1.00		141.8		
		Z	0.00	0.00	1.00		144.5		
10352	Pulse Waveform (200Hz, 10%)	X	20.00	82.83	23.15	10.00	80.0	±3.2%	±9.6%
		Y	20.00	83.04	23.07		80.0		
		Z	20.00	81.96	22.27		80.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	82.88	21.38	6.99	80.0	±1.9%	±9.6%
		Y	20.00	82.64	21.62		80.0		
		Z	20.00	81.55	20.93		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	84.34	21.51	3.88	95.0	±1.3%	±9.6%
		Y	20.00	83.47	20.46		95.0		
		Z	20.00	82.85	20.55		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	88.17	21.64	2.22	120.0	±1.3%	±9.6%
		Y	20.00	84.36	18.43		120.0		
		Z	20.00	84.47	18.87		120.0		
10387	QPSK Waveform, 1 MHz	X	1.55	65.02	14.22	1.00	150.0	±3.1%	±9.6%
		Y	1.46	64.35	13.58		150.0		
		Z	1.58	65.46	14.37		150.0		
10388	QPSK Waveform, 10 MHz	X	2.21	67.89	15.45	0.00	150.0	±1.0%	±9.6%
		Y	1.84	65.94	14.40		150.0		
		Z	2.11	67.25	15.16		150.0		
10396	64-QAM Waveform, 100 kHz	X	3.34	72.24	19.50	3.01	150.0	±0.7%	±9.6%
		Y	3.05	70.38	18.63		150.0		
		Z	3.10	70.91	18.91		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.37	66.53	15.34	0.00	150.0	±2.5%	±9.6%
		Y	3.30	65.14	15.08		150.0		
		Z	3.43	66.80	15.50		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.73	65.27	15.21	0.00	150.0	±4.5%	±9.6%
		Y	4.69	65.13	15.14		150.0		
		Z	4.80	65.51	15.40		150.0		

Note: For details on UID parameters see Appendix

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

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

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

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



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EX3DV4 - SN:3791

May 23, 2023

**Parameters of Probe: EX3DV4 - SN:3791**

**Sensor Model Parameters**

	C1 IF	C2 IF	$\alpha$ V <sup>-1</sup>	T1 ms V <sup>-2</sup>	T2 ms V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	T6
x	44.9	328.61	34.25	26.18	0.85	5.10	1.59	0.27	1.01
y	43.1	321.65	35.39	23.26	0.92	5.10	0.89	0.40	1.01
z	44.3	331.02	35.44	25.96	0.67	5.10	0.96	0.37	1.01

**Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle	-109.5°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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



EX3DV4 - SN:3791

May 23, 2023

**Parameters of Probe: EX3DV4 - SN:3791**

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

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	41.9	0.88	9.00	9.00	9.00	0.52	0.80	±12.0%
825	41.5	0.90	8.79	8.79	8.79	0.26	1.21	±12.0%
900	41.5	0.97	8.48	8.48	8.48	0.37	0.91	±12.0%
1750	40.1	1.37	7.60	7.60	7.60	0.40	0.86	±12.0%
1900	40.0	1.40	7.41	7.41	7.41	0.31	0.86	±12.0%
1950	40.0	1.40	7.28	7.28	7.28	0.32	0.86	±12.0%
2300	39.5	1.67	6.92	6.92	6.92	0.35	0.90	±12.0%
2450	39.2	1.80	6.80	6.80	6.80	0.41	0.90	±12.0%
2600	39.0	1.98	6.72	6.72	6.72	0.28	0.90	±12.0%
3000	38.2	2.71	6.30	6.30	6.30	0.30	1.30	±14.0%
3600	37.9	2.91	6.25	6.25	6.25	0.35	1.30	±14.0%
3700	37.7	3.12	6.19	6.19	6.19	0.35	1.30	±14.0%
3900	37.5	3.32	5.98	5.98	5.98	0.35	1.50	±14.0%
4100	37.2	3.53	5.91	5.91	5.91	0.35	1.50	±14.0%
5200	36.0	4.66	4.89	4.89	4.89	0.40	1.80	±14.0%
5300	35.9	4.76	4.74	4.74	4.74	0.40	1.80	±14.0%
5500	35.6	4.98	4.61	4.61	4.61	0.40	1.80	±14.0%
5600	35.5	5.07	4.52	4.52	4.52	0.40	1.80	±14.0%
5800	35.3	5.27	4.49	4.49	4.49	0.40	1.80	±14.0%

<sup>C</sup> Frequency validity above 300 MHz of ±100 MHz only applies for DAS7 v1.4 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 ±12, 25, 40, 50 and 70 MHz for ConvF assessments at 35, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 0 MHz is 4-8 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon'$  and  $\sigma$  by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 12.1% for 3 - 6 GHz.

<sup>G</sup> Alpha/Depth are determined during calibration. SPENC 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.



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**Parameters of Probe: EX3DV4 - SN:3791**

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

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
6500	34.5	8.07	5.00	5.00	5.00	0.20	2.50	±18.6%

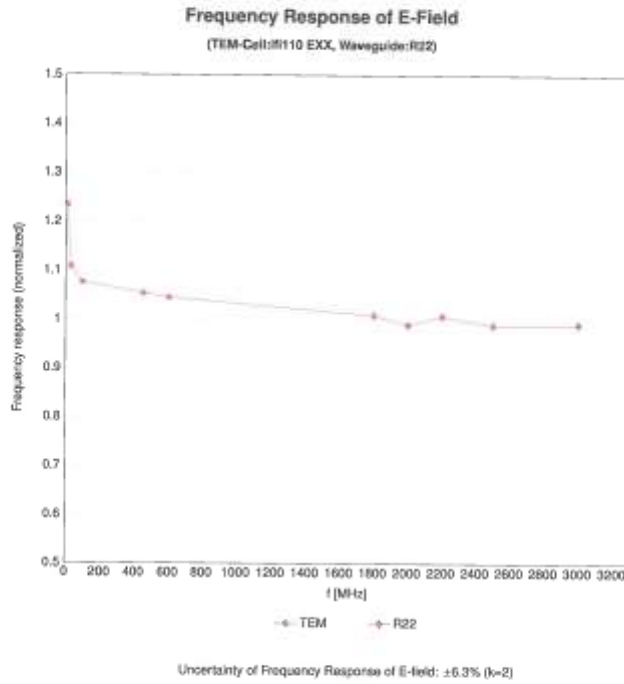
<sup>C</sup> Frequency validity at 6.5 GHz is ~900~1700 MHz, and ~700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon'$  and  $\sigma$  by less than  $\pm 10\%$  from the target values (typically better than  $\pm 8\%$ ) and are valid for TSL with deviations of up to  $\pm 10\%$ .

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

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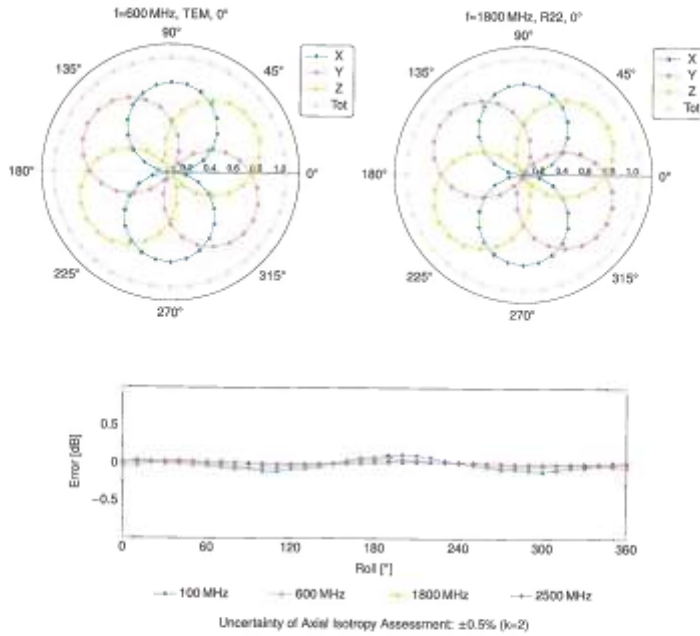
May 23, 2023



EX3DN4 - SN:3791

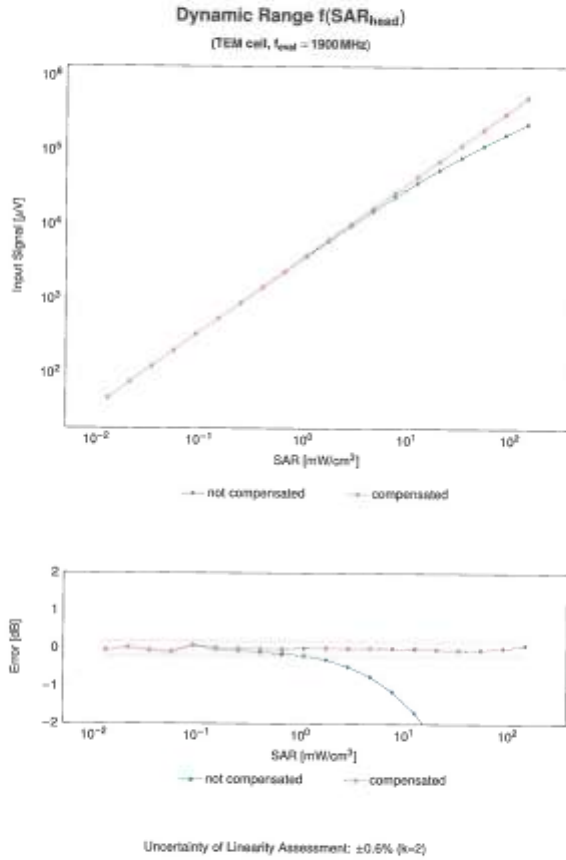
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Receiving Pattern ( $\phi$ ,  $\theta = 0^\circ$ )



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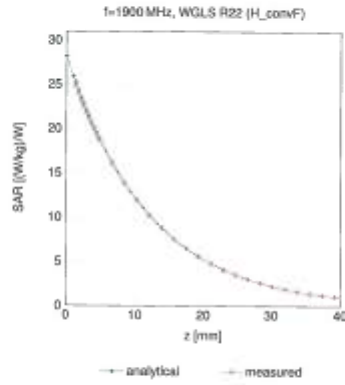
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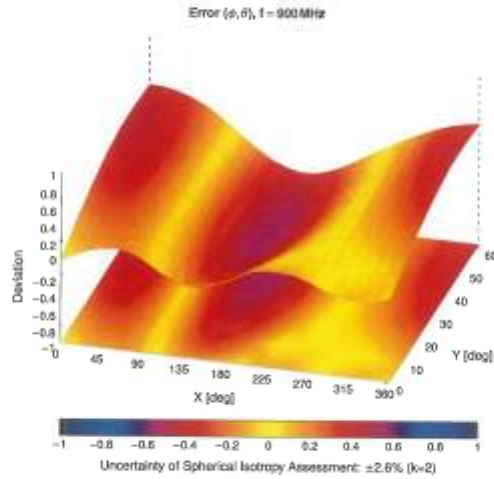
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**Conversion Factor Assessment**



**Deviation from Isotropy in Liquid**



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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>k</sup> k = 2
0		CMV	CMV	0.00	±4.7
10103	CAB	SAR Validation (Square, 100mm, 10mm)	Test	10.00	±0.0
10101	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±0.0
10102	CAB	IEEE 802.11b WiFi 2.4GHz (DSSS, 1Mbps)	WLAN	1.87	±0.0
10103	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 6Mbps)	WLAN	2.46	±0.0
10201	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±0.0
10202	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±0.0
10203	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	9.58	±0.0
10204	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	12.02	±0.0
10205	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	9.55	±0.0
10206	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	4.80	±0.0
10207	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	3.95	±0.0
10208	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.70	±0.0
10209	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	5.30	±0.0
10000	CAA	IEEE 802.15.1 Bluetooth (QPSK, DH1)	Bluetooth	1.67	±0.0
10001	CAA	IEEE 802.15.1 Bluetooth (QPSK, DH2)	Bluetooth	1.16	±0.0
10002	CAA	IEEE 802.15.1 Bluetooth (QPSK, DH3)	Bluetooth	1.16	±0.0
10003	CAA	IEEE 802.15.1 Bluetooth (14-DQPSK, DH1)	Bluetooth	7.74	±0.0
10004	CAA	IEEE 802.15.1 Bluetooth (14-DQPSK, DH2)	Bluetooth	4.23	±0.0
10005	CAA	IEEE 802.15.1 Bluetooth (14-DQPSK, DH3)	Bluetooth	3.65	±0.0
10006	CAA	IEEE 802.15.1 Bluetooth (0-DPSK, DH1)	Bluetooth	8.07	±0.0
10007	CAA	IEEE 802.15.1 Bluetooth (0-DPSK, DH2)	Bluetooth	4.77	±0.0
10008	CAA	IEEE 802.15.1 Bluetooth (0-DPSK, DH3)	Bluetooth	4.10	±0.0
10105	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±0.0
10104	CAB	IS-94 / IS-136 FDD (TDMA/FDD, PSK-DQPSK, HalfRate)	AMPS	7.78	±0.0
10104	CAA	IS-94/IS-136 FDD (TDMA/FDD, PSK, Full Rate, FM)	AMPS	9.00	±0.0
10108	CAA	DECT (CO, TDMA/FDD, QPSK, Full Slot, 24)	DECT	13.00	±0.0
10109	CAA	DECT (CO, TDMA/FDD, QPSK, Double Slot, 12)	DECT	93.79	±0.0
10106	CAA	UMTS-TDD (HSPA, 1.28Mbps)	TD-SCDMA	11.25	±0.0
10107	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	9.52	±0.0
10108	CAB	IEEE 802.11b WiFi 2.4GHz (DSSS, 2Mbps)	WLAN	2.12	±0.0
10109	CAB	IEEE 802.11b WiFi 2.4GHz (DSSS, 5.5Mbps)	WLAN	2.83	±0.0
10110	CAB	IEEE 802.11b WiFi 2.4GHz (DSSS, 11Mbps)	WLAN	3.60	±0.0
10102	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 6Mbps)	WLAN	8.88	±0.0
10103	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 9Mbps)	WLAN	8.93	±0.0
10104	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 12Mbps)	WLAN	9.09	±0.0
10105	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 18Mbps)	WLAN	9.00	±0.0
10106	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 24Mbps)	WLAN	9.28	±0.0
10107	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 30Mbps)	WLAN	10.24	±0.0
10108	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 48Mbps)	WLAN	10.56	±0.0
10109	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 54Mbps)	WLAN	9.03	±0.0
10101	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 9Mbps)	WLAN	9.02	±0.0
10102	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 12Mbps)	WLAN	9.94	±0.0
10103	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 18Mbps)	WLAN	9.94	±0.0
10104	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 24Mbps)	WLAN	10.30	±0.0
10105	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 26Mbps)	WLAN	10.77	±0.0
10106	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 48Mbps)	WLAN	10.94	±0.0
10107	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS/OFDM, 54Mbps)	WLAN	11.00	±0.0
10108	CAB	CDMA2000 (1xEV-DO)	CDMA2000	4.77	±0.0
10109	CAB	IS-94 / IS-136 FDD (TDMA/FDD, PSK-DQPSK, FullRate)	AMPS	3.97	±0.0
10101	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	2.56	±0.0
10102	CAC	UMTS-FDD (HSPA)	WCDMA	3.88	±0.0
10103	CAC	UMTS-FDD (HSPA, Subcat 2)	WCDMA	3.88	±0.0
10104	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±0.0
10105	CAF	LTE-FDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-FDD	5.87	±0.0
10106	CAF	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-FDD	6.42	±0.0
10107	CAF	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-FDD	6.80	±0.0
10108	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-TDD	9.29	±0.0
10109	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-TDD	9.97	±0.0
10110	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-TDD	10.01	±0.0
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 10MHz, QPSK)	LTE-FDD	5.30	±0.0
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10MHz, 16-QAM)	LTE-FDD	6.43	±0.0
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 10MHz, 64-QAM)	LTE-FDD	5.75	±0.0
10114	CAH	LTE-FDD (SC-FDMA, 100% RB, 10MHz, 16-QAM)	LTE-FDD	6.44	±0.0

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UID	Rev	Communication System Name	Group	FAR (%)	unc# k = 2
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10MHz, 64-QAM)	LTE-FDD	6.58	±0.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-FDD	6.62	±0.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5Mbps, BPSK)	WLAN	8.19	±0.6
10115	CAD	IEEE 802.11n (HT Greenfield, 13.5Mbps, 64-QAM)	WLAN	8.44	±0.6
10116	CAD	IEEE 802.11n (HT Greenfield, 13.5Mbps, 64-QAM)	WLAN	8.15	±0.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5Mbps, BPSK)	WLAN	8.07	±0.6
10118	CAD	IEEE 802.11n (HT Mixed, 13.5Mbps, 64-QAM)	WLAN	8.29	±0.6
10119	CAD	IEEE 802.11n (HT Mixed, 13.5Mbps, 64-QAM)	WLAN	8.13	±0.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	LTE-FDD	6.49	±0.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	6.93	±0.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-FDD	5.73	±0.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-FDD	6.25	±0.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-FDD	6.65	±0.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-FDD	5.76	±0.6
10148	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM)	LTE-FDD	6.41	±0.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 16-QAM)	LTE-FDD	6.72	±0.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 64-QAM)	LTE-FDD	6.60	±0.6
10161	CAH	LTE-TDD (SC-FDMA, 50% RB, 20MHz, QPSK)	LTE-TDD	5.29	±0.6
10162	CAH	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 16-QAM)	LTE-TDD	5.90	±0.6
10163	CAH	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 64-QAM)	LTE-TDD	10.05	±0.6
10164	CAH	LTE-FDD (SC-FDMA, 50% RB, 10MHz, QPSK)	LTE-FDD	5.76	±0.6
10165	CAH	LTE-FDD (SC-FDMA, 50% RB, 10MHz, 16-QAM)	LTE-FDD	6.43	±0.6
10166	CAH	LTE-FDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-FDD	5.79	±0.6
10167	CAH	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-FDD	6.46	±0.6
10168	CAH	LTE-FDD (SC-FDMA, 50% RB, 10MHz, 64-QAM)	LTE-FDD	6.62	±0.6
10169	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-FDD	6.56	±0.6
10180	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-FDD	5.32	±0.6
10181	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-FDD	6.43	±0.6
10182	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)	LTE-FDD	6.54	±0.6
10184	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, QPSK)	LTE-FDD	5.48	±0.6
10187	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM)	LTE-FDD	6.21	±0.6
10188	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM)	LTE-FDD	6.79	±0.6
10190	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, QPSK)	LTE-FDD	5.73	±0.6
10191	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)	LTE-FDD	6.53	±0.6
10192	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, QPSK)	LTE-TDD	6.49	±0.6
10193	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)	LTE-TDD	6.21	±0.6
10194	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-TDD	9.48	±0.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-TDD	10.25	±0.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, QPSK)	LTE-FDD	5.75	±0.6
10177	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 16-QAM)	LTE-FDD	6.92	±0.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-FDD	5.73	±0.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-FDD	6.00	±0.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-FDD	6.50	±0.6
10183	AAG	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-FDD	6.52	±0.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-FDD	5.75	±0.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-FDD	6.51	±0.6
10186	AAP	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-FDD	6.90	±0.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-FDD	5.73	±0.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5Mbps, BPSK)	WLAN	8.06	±0.6
10194	CAD	IEEE 802.11n (HT Greenfield, 6.5Mbps, 16-QAM)	WLAN	8.12	±0.6
10195	CAD	IEEE 802.11n (HT Greenfield, 6.5Mbps, 64-QAM)	WLAN	8.16	±0.6
10196	CAD	IEEE 802.11n (HT Mixed, 6.5Mbps, BPSK)	WLAN	8.15	±0.6
10197	CAD	IEEE 802.11n (HT Mixed, 6.5Mbps, 16-QAM)	WLAN	8.13	±0.6
10198	CAD	IEEE 802.11n (HT Mixed, 6.5Mbps, 64-QAM)	WLAN	8.27	±0.6
10219	CAD	IEEE 802.11n (HT Mixed, 7.5Mbps, BPSK)	WLAN	8.03	±0.6
10220	CAD	IEEE 802.11n (HT Mixed, 7.5Mbps, 16-QAM)	WLAN	8.13	±0.6
10221	CAD	IEEE 802.11n (HT Mixed, 7.5Mbps, 64-QAM)	WLAN	8.27	±0.6
10222	CAD	IEEE 802.11n (HT Mixed, 9Mbps, BPSK)	WLAN	8.36	±0.6
10223	CAD	IEEE 802.11n (HT Mixed, 9Mbps, 16-QAM)	WLAN	8.48	±0.6
10224	CAD	IEEE 802.11n (HT Mixed, 9Mbps, 64-QAM)	WLAN	8.95	±0.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Sinc <sup>2</sup> k = 3
10225	CAC	UMTS FDD (HSPA+)	WCDMA	5.57	±0.6
10226	CAC	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)	LTE-FDD	9.46	±0.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-TDD	10.26	±0.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-TDD	9.22	±0.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TDD	9.48	±0.6
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-TDD	9.48	±0.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-TDD	10.35	±0.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TDD	9.59	±0.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-TDD	9.48	±0.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-TDD	10.25	±0.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 16-QAM)	LTE-TDD	9.21	±0.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)	LTE-TDD	9.68	±0.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK)	LTE-TDD	10.36	±0.6
10238	CAH	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-TDD	9.21	±0.6
10239	CAH	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-TDD	9.48	±0.6
10240	CAH	LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-TDD	10.26	±0.6
10241	CAE	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM)	LTE-TDD	9.21	±0.6
10242	CAE	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM)	LTE-TDD	9.82	±0.6
10243	CAE	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, QPSK)	LTE-TDD	9.06	±0.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-TDD	9.46	±0.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)	LTE-TDD	10.06	±0.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-TDD	9.30	±0.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-TDD	9.91	±0.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)	LTE-TDD	10.09	±0.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-TDD	9.39	±0.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-QAM)	LTE-TDD	9.81	±0.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-QAM)	LTE-TDD	10.17	±0.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10MHz, QPSK)	LTE-TDD	9.24	±0.6
10253	CAH	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-TDD	9.93	±0.6
10254	CAH	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)	LTE-TDD	10.14	±0.6
10255	CAH	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-TDD	9.20	±0.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM)	LTE-TDD	9.98	±0.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM)	LTE-TDD	10.93	±0.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-TDD	9.34	±0.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-TDD	9.98	±0.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-TDD	9.97	±0.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-TDD	9.34	±0.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-TDD	9.60	±0.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-TDD	10.16	±0.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-TDD	9.29	±0.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM)	LTE-TDD	9.92	±0.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-QAM)	LTE-TDD	10.07	±0.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10MHz, QPSK)	LTE-TDD	9.30	±0.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	LTE-TDD	10.06	±0.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-TDD	10.15	±0.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-TDD	9.58	±0.6
10274	CAC	UMTS FDD (HSPA, Subcat 5, SCPP Rate 10)	WCDMA	4.87	±0.6
10275	CAC	UMTS FDD (HSPA, Subcat 5, SCPP Rate 4)	WCDMA	3.96	±0.6
10277	CAA	PHS (QPSK, BW 884MHz, Roll-off 0.5)	PHS	11.81	±0.6
10279	CAA	PHS (QPSK, BW 884MHz, Roll-off 0.35)	PHS	12.18	±0.6
10280	AAB	CDMA2000, RC1, SC06, Full Rate	CDMA2000	3.91	±0.6
10281	AAB	CDMA2000, RC3, SC06, Full Rate	CDMA2000	3.48	±0.6
10282	AAB	CDMA2000, RC3, SC02, Full Rate	CDMA2000	3.39	±0.6
10283	AAB	CDMA2000, RC3, SC02, Full Rate	CDMA2000	3.50	±0.6
10284	AAB	CDMA2000, RC1, SC02, 1/8th Rate 25.9	CDMA2000	12.49	±0.6
10287	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-FDD	5.81	±0.6
10289	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-FDD	6.78	±0.6
10290	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)	LTE-FDD	6.90	±0.6
10291	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-FDD	6.00	±0.6
10301	AAA	IEEE 802.16e WMAX (20-18, 5 ms, 10MHz, QPSK, PUSC)	WMAX	12.03	±0.6
10302	AAA	IEEE 802.16e WMAX (20-18, 5 ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	WMAX	12.57	±0.6
10303	AAA	IEEE 802.16e WMAX (20-18, 5 ms, 10MHz, 64QAM, PUSC)	WMAX	12.62	±0.6
10304	AAA	IEEE 802.16e WMAX (20-18, 5 ms, 10MHz, 64QAM, PUSC)	WMAX	11.86	±0.6
10305	AAA	IEEE 802.16e WMAX (20-18, 10 ms, 10MHz, 64QAM, PUSC, 10 symbols)	WMAX	15.24	±0.6
10306	AAA	IEEE 802.16e WMAX (20-18, 10 ms, 10MHz, 64QAM, PUSC, 10 symbols)	WMAX	14.67	±0.6

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UID	Rev	Communication System Name	Group	RRR (dB)	Unc <sup>2</sup> A = 2
10307	AAA	IEEE 802.16e WMAX (20-16, 10ms, 10MHz, QPSK, PUSC, 16 symbols)	WMAX	14.48	+0.6
10308	AAA	IEEE 802.16e WMAX (20-16, 10ms, 10MHz, 16QAM, PUSC)	WMAX	14.48	+0.6
10309	AAA	IEEE 802.16e WMAX (20-16, 10ms, 10MHz, 16QAM, PUSC)	WMAX	14.58	+0.6
10310	AAA	IEEE 802.16e WMAX (20-16, 10ms, 10MHz, 16QAM, AMC 2x3, 16 symbols)	WMAX	14.57	+0.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-FDD	8.98	+0.6
10313	AAA	IDEN 1-3	IDEN	10.51	+0.6
10314	AAA	IDEN 1-6	IDEN	10.48	+0.6
10315	AAE	IEEE 802.11a WFI 2.4GHz (DSSS, 1Mbps, 90pc duty cycle)	WLAN	1.71	+0.6
10316	AAE	IEEE 802.11g WFI 2.4GHz (ERP-OFDM, 6Mbps, 90pc duty cycle)	WLAN	3.36	+0.6
10317	AAE	IEEE 802.11g WFI 2.4GHz (ERP-OFDM, 6Mbps, 90pc duty cycle)	WLAN	3.36	+0.6
10322	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	+0.6
10323	AAA	Pulse Waveform (200Hz, 20%)	Generic	0.99	+0.6
10324	AAA	Pulse Waveform (200Hz, 40%)	Generic	2.98	+0.6
10325	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	+0.6
10326	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	+0.6
10328	AAA	QPSK Waveform, 1MHz	Generic	5.10	+0.6
10329	AAA	64-QAM Waveform, 100MHz	Generic	6.37	+0.6
10330	AAA	64-QAM Waveform, 40MHz	Generic	6.27	+0.6
10400	AAE	IEEE 802.11ac WFI (80MHz, 64-QAM, 90pc duty cycle)	WLAN	8.37	+0.6
10401	AAE	IEEE 802.11ac WFI (40MHz, 64-QAM, 90pc duty cycle)	WLAN	8.60	+0.6
10402	AAE	IEEE 802.11ac WFI (80MHz, 64-QAM, 90pc duty cycle)	WLAN	8.53	+0.6
10403	AAE	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	+0.6
10404	AAE	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	+0.6
10406	AAE	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	+0.6
10410	AAE	LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Cont=1)	LTE-TDD	5.22	+0.6
10414	AAA	WLAN CSF, 64-QAM, 40MHz	Generic	7.82	+0.6
10416	AAA	IEEE 802.11n WFI 2.4GHz (DSSS, 1Mbps, 90pc duty cycle)	WLAN	8.54	+0.6
10418	AAA	IEEE 802.11g WFI 2.4GHz (ERP-OFDM, 6Mbps, 90pc duty cycle)	WLAN	8.23	+0.6
10417	AAE	IEEE 802.11a WFI 2.4GHz (ERP-OFDM, 6Mbps, 90pc duty cycle)	WLAN	8.23	+0.6
10418	AAA	IEEE 802.11n WFI 2.4GHz (DSSS-OFDM, 6Mbps, 90pc duty cycle, Long preamble)	WLAN	8.14	+0.6
10419	AAA	IEEE 802.11n WFI 2.4GHz (DSSS-OFDM, 6Mbps, 90pc duty cycle, Short preamble)	WLAN	8.19	+0.6
10422	AAE	IEEE 802.11n (HT Greenfield, 7.2Mbps, 16-QAM)	WLAN	8.32	+0.6
10423	AAE	IEEE 802.11n (HT Greenfield, 43.3Mbps, 16-QAM)	WLAN	8.47	+0.6
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2Mbps, 64-QAM)	WLAN	8.40	+0.6
10425	AAE	IEEE 802.11n (HT Greenfield, 15Mbps, QPSK)	WLAN	8.41	+0.6
10426	AAE	IEEE 802.11n (HT Greenfield, 30Mbps, 16-QAM)	WLAN	8.45	+0.6
10427	AAE	IEEE 802.11n (HT Greenfield, 100Mbps, 64-QAM)	WLAN	8.41	+0.6
10430	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1)	LTE-FDD	8.26	+0.6
10431	AAE	LTE-FDD (OFDMA, 10MHz, E-TM 3.1)	LTE-FDD	8.38	+0.6
10432	AAE	LTE-FDD (OFDMA, 10MHz, E-TM 3.1)	LTE-FDD	8.34	+0.6
10433	AAE	LTE-FDD (OFDMA, 20MHz, E-TM 3.1)	LTE-FDD	8.34	+0.6
10434	AAE	W-CDMA (HS Test Model 1, 64-QPSK)	WCDMA	6.00	+0.6
10435	AAE	LTE-TDD (SC-FDMA, 1 RB, 20MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	+0.6
10447	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	+0.6
10448	AAE	LTE-FDD (OFDMA, 10MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.52	+0.6
10449	AAE	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	+0.6
10450	AAE	LTE-FDD (OFDMA, 20MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	+0.6
10451	AAE	W-CDMA (HS Test Model 1, 64-QPSK, Clipping 44%)	WCDMA	7.56	+0.6
10452	AAE	Validation (Square, 10ms, 1ms)	Test	10.00	+0.6
10456	AAE	IEEE 802.11ac WFI (160MHz, 64-QAM, 90pc duty cycle)	WLAN	8.63	+0.6
10457	AAE	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	+0.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	+0.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	6.35	+0.6
10460	AAE	UMTS-FDD (WCDMA, AMR)	WCDMA	3.39	+0.6
10462	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	+0.6
10463	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	+0.6
10464	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.26	+0.6
10465	AAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	+0.6
10466	AAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	+0.6
10467	AAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	+0.6
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	+0.6
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	+0.6
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	+0.6
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	+0.6
10472	AAE	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	+0.6

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Table with columns: ID, Rev, Communication System Name, Group, PRR (dB), Line# k=2. Contains technical specifications for various communication systems like LTE-TDD, LTE-FDD, and IEEE WiFi standards.

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IRD	Rate	Communication System Name	Group	PAR(dB)	Unc <sup>k</sup> k = 2
10541	AAC	IEEE 802.11ac WFI 140 MHz, MCS7, 90pc duty cycle)	WLAN	0.46	+0.0
10542	AAC	IEEE 802.11ac WFI 140 MHz, MCS8, 90pc duty cycle)	WLAN	0.65	+0.0
10543	AAC	IEEE 802.11ac WFI 160 MHz, MCS9, 90pc duty cycle)	WLAN	0.66	+0.0
10544	AAC	IEEE 802.11ac WFI 180 MHz, MCS1, 90pc duty cycle)	WLAN	0.47	+0.0
10545	AAC	IEEE 802.11ac WFI 200 MHz, MCS2, 90pc duty cycle)	WLAN	0.55	+0.0
10546	AAC	IEEE 802.11ac WFI 220 MHz, MCS3, 90pc duty cycle)	WLAN	0.35	+0.0
10547	AAC	IEEE 802.11ac WFI 240 MHz, MCS4, 90pc duty cycle)	WLAN	0.40	+0.0
10548	AAC	IEEE 802.11ac WFI 260 MHz, MCS4, 90pc duty cycle)	WLAN	0.37	+0.0
10550	AAC	IEEE 802.11ac WFI 280 MHz, MCS5, 90pc duty cycle)	WLAN	0.38	+0.0
10551	AAC	IEEE 802.11ac WFI 300 MHz, MCS7, 90pc duty cycle)	WLAN	0.50	+0.0
10552	AAC	IEEE 802.11ac WFI 320 MHz, MCS8, 90pc duty cycle)	WLAN	0.42	+0.0
10553	AAC	IEEE 802.11ac WFI 340 MHz, MCS8, 90pc duty cycle)	WLAN	0.45	+0.0
10554	AAC	IEEE 802.11ac WFI 360 MHz, MCS9, 90pc duty cycle)	WLAN	0.48	+0.0
10555	AAC	IEEE 802.11ac WFI 380 MHz, MCS1, 90pc duty cycle)	WLAN	0.47	+0.0
10556	AAC	IEEE 802.11ac WFI 400 MHz, MCS3, 90pc duty cycle)	WLAN	0.50	+0.0
10557	AAC	IEEE 802.11ac WFI 420 MHz, MCS4, 90pc duty cycle)	WLAN	0.52	+0.0
10558	AAC	IEEE 802.11ac WFI 440 MHz, MCS4, 90pc duty cycle)	WLAN	0.47	+0.0
10559	AAC	IEEE 802.11ac WFI 460 MHz, MCS4, 90pc duty cycle)	WLAN	0.33	+0.0
10561	AAC	IEEE 802.11ac WFI 480 MHz, MCS7, 90pc duty cycle)	WLAN	0.56	+0.0
10562	AAC	IEEE 802.11ac WFI 500 MHz, MCS8, 90pc duty cycle)	WLAN	0.69	+0.0
10563	AAC	IEEE 802.11ac WFI 520 MHz, MCS9, 90pc duty cycle)	WLAN	0.77	+0.0
10564	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	0.25	+0.0
10565	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	0.45	+0.0
10566	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	0.13	+0.0
10567	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	0.00	+0.0
10568	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	0.37	+0.0
10569	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	0.10	+0.0
10570	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	0.30	+0.0
10571	AAA	IEEE 802.11b WFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.29	+0.0
10572	AAA	IEEE 802.11b WFI 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.39	+0.0
10573	AAA	IEEE 802.11b WFI 2.4 GHz (DSSS, 3.5 Mbps, 90pc duty cycle)	WLAN	1.98	+0.0
10574	AAA	IEEE 802.11b WFI 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.99	+0.0
10575	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	0.59	+0.0
10576	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	0.60	+0.0
10577	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	0.70	+0.0
10578	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	0.49	+0.0
10579	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	0.36	+0.0
10580	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	0.70	+0.0
10581	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	0.25	+0.0
10582	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	0.67	+0.0
10583	AAC	IEEE 802.11a WFI 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	0.58	+0.0
10584	AAC	IEEE 802.11a WFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	0.60	+0.0
10585	AAC	IEEE 802.11a WFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	0.70	+0.0
10586	AAC	IEEE 802.11a WFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	0.49	+0.0
10587	AAC	IEEE 802.11a WFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	0.38	+0.0
10588	AAC	IEEE 802.11a WFI 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	0.78	+0.0
10589	AAC	IEEE 802.11a WFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	0.35	+0.0
10590	AAC	IEEE 802.11a WFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	0.67	+0.0
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	0.63	+0.0
10592	AAC	IEEE 802.11n (HT Mixed, 25 MHz, MCS1, 90pc duty cycle)	WLAN	0.79	+0.0
10593	AAC	IEEE 802.11n (HT Mixed, 25 MHz, MCS2, 90pc duty cycle)	WLAN	0.84	+0.0
10594	AAC	IEEE 802.11n (HT Mixed, 25 MHz, MCS3, 90pc duty cycle)	WLAN	0.74	+0.0
10595	AAC	IEEE 802.11n (HT Mixed, 25 MHz, MCS4, 90pc duty cycle)	WLAN	0.74	+0.0
10596	AAC	IEEE 802.11n (HT Mixed, 25 MHz, MCS5, 90pc duty cycle)	WLAN	0.71	+0.0
10597	AAC	IEEE 802.11n (HT Mixed, 25 MHz, MCS6, 90pc duty cycle)	WLAN	0.72	+0.0
10598	AAC	IEEE 802.11n (HT Mixed, 25 MHz, MCS7, 90pc duty cycle)	WLAN	0.90	+0.0
10599	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	0.68	+0.0
10600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	0.80	+0.0
10601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	0.80	+0.0
10602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	0.94	+0.0
10603	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	0.93	+0.0
10604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	0.76	+0.0
10605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	0.97	+0.0
10606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	0.82	+0.0
10607	AAC	IEEE 802.11ac WFI 25 MHz, MCS0, 90pc duty cycle)	WLAN	0.64	+0.0
10608	AAC	IEEE 802.11ac WFI 25 MHz, MCS1, 90pc duty cycle)	WLAN	0.77	+0.0



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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>2</sup> k = 2
10609	AAC	IEEE 802.11ac WiFi (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.67	+0.6
10610	AAC	IEEE 802.11ac WiFi (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.78	+0.6
10611	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.79	+0.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.77	+0.6
10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.94	+0.6
10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.94	+0.6
10615	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	+0.6
10616	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	+0.6
10617	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	+0.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	+0.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	+0.6
10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	+0.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	+0.6
10622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	+0.6
10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.69	+0.6
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.96	+0.6
10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.96	+0.6
10626	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.83	+0.6
10627	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.68	+0.6
10628	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	+0.6
10629	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	+0.6
10630	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	+0.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	+0.6
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	+0.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	+0.6
10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	+0.6
10635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.81	+0.6
10636	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	+0.6
10637	AAC	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	+0.6
10638	AAC	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.99	+0.6
10639	AAC	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.95	+0.6
10640	AAC	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.93	+0.6
10641	AAC	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	+0.6
10642	AAC	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	+0.6
10643	AAC	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	+0.6
10644	AAC	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.05	+0.6
10645	AAC	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.11	+0.6
10646	AAR	LTE-TDD (SC-FDMA, 1 PRB, 5 MHz, QPSK, UL, Subframe=2,7)	LTE-TDD	11.96	+0.6
10647	AAC	LTE-TDD (SC-FDMA, 1 PRB, 5 MHz, QPSK, UL, Subframe=2,7)	LTE-TDD	11.96	+0.6
10648	AAA	CDMA2000 (1x Advantech)	CDMA2000	3.45	+0.6
10649	AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.51	+0.6
10650	AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	+0.6
10651	AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	8.86	+0.6
10652	AAC	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	+0.6
10653	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	+0.6
10654	AAB	Pulse Waveform (200Hz, 30%)	Test	6.99	+0.6
10655	AAB	Pulse Waveform (200Hz, 50%)	Test	3.98	+0.6
10656	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	+0.6
10657	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	+0.6
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	+0.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	9.09	+0.6
10672	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.57	+0.6
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	+0.6
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	+0.6
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	+0.6
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	+0.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.75	+0.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.98	+0.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.78	+0.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.80	+0.6
10681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.65	+0.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.65	+0.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS20, 90pc duty cycle)	WLAN	8.42	+0.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.26	+0.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.33	+0.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.28	+0.6

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ID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>a</sup> k = 2
10887	AAC	IEEE 802.11ax (30MHz), MCS4, 99pc duty cycle)	WLAN	0.45	±0.6
10888	AAC	IEEE 802.11ax (30MHz), MCS5, 99pc duty cycle)	WLAN	0.39	±0.6
10889	AAC	IEEE 802.11ax (30MHz), MCS6, 99pc duty cycle)	WLAN	0.95	±0.6
10890	AAC	IEEE 802.11ax (30MHz), MCS7, 99pc duty cycle)	WLAN	0.29	±0.6
10891	AAC	IEEE 802.11ax (30MHz), MCS8, 99pc duty cycle)	WLAN	0.25	±0.6
10892	AAC	IEEE 802.11ax (30MHz), MCS9, 99pc duty cycle)	WLAN	0.29	±0.6
10893	AAC	IEEE 802.11ax (30MHz), MCS10, 99pc duty cycle)	WLAN	0.57	±0.6
10894	AAC	IEEE 802.11ax (30MHz), MCS11, 99pc duty cycle)	WLAN	0.70	±0.6
10895	AAC	IEEE 802.11ax (40MHz), MCS0, 99pc duty cycle)	WLAN	0.91	±0.6
10896	AAC	IEEE 802.11ax (40MHz), MCS1, 99pc duty cycle)	WLAN	0.61	±0.6
10897	AAC	IEEE 802.11ax (40MHz), MCS2, 99pc duty cycle)	WLAN	0.69	±0.6
10898	AAC	IEEE 802.11ax (40MHz), MCS3, 99pc duty cycle)	WLAN	0.82	±0.6
10899	AAC	IEEE 802.11ax (40MHz), MCS4, 99pc duty cycle)	WLAN	0.73	±0.6
10900	AAC	IEEE 802.11ax (40MHz), MCS5, 99pc duty cycle)	WLAN	0.86	±0.6
10901	AAC	IEEE 802.11ax (40MHz), MCS6, 99pc duty cycle)	WLAN	0.76	±0.6
10902	AAC	IEEE 802.11ax (40MHz), MCS7, 99pc duty cycle)	WLAN	0.82	±0.6
10903	AAC	IEEE 802.11ax (40MHz), MCS8, 99pc duty cycle)	WLAN	0.58	±0.6
10904	AAC	IEEE 802.11ax (40MHz), MCS9, 99pc duty cycle)	WLAN	0.59	±0.6
10905	AAC	IEEE 802.11ax (40MHz), MCS10, 99pc duty cycle)	WLAN	0.66	±0.6
10906	AAC	IEEE 802.11ax (40MHz), MCS11, 99pc duty cycle)	WLAN	0.32	±0.6
10907	AAC	IEEE 802.11ax (40MHz), MCS0, 99pc duty cycle)	WLAN	0.55	±0.6
10908	AAC	IEEE 802.11ax (40MHz), MCS1, 99pc duty cycle)	WLAN	0.33	±0.6
10909	AAC	IEEE 802.11ax (40MHz), MCS2, 99pc duty cycle)	WLAN	0.29	±0.6
10910	AAC	IEEE 802.11ax (40MHz), MCS3, 99pc duty cycle)	WLAN	0.39	±0.6
10911	AAC	IEEE 802.11ax (40MHz), MCS4, 99pc duty cycle)	WLAN	0.67	±0.6
10912	AAC	IEEE 802.11ax (40MHz), MCS5, 99pc duty cycle)	WLAN	0.33	±0.6
10913	AAC	IEEE 802.11ax (40MHz), MCS6, 99pc duty cycle)	WLAN	0.28	±0.6
10914	AAC	IEEE 802.11ax (40MHz), MCS7, 99pc duty cycle)	WLAN	0.45	±0.6
10915	AAC	IEEE 802.11ax (40MHz), MCS8, 99pc duty cycle)	WLAN	0.30	±0.6
10916	AAC	IEEE 802.11ax (40MHz), MCS9, 99pc duty cycle)	WLAN	0.40	±0.6
10917	AAC	IEEE 802.11ax (40MHz), MCS10, 99pc duty cycle)	WLAN	0.24	±0.6
10918	AAC	IEEE 802.11ax (40MHz), MCS11, 99pc duty cycle)	WLAN	0.01	±0.6
10919	AAC	IEEE 802.11ax (80MHz), MCS0, 99pc duty cycle)	WLAN	0.87	±0.6
10920	AAC	IEEE 802.11ax (80MHz), MCS1, 99pc duty cycle)	WLAN	0.76	±0.6
10921	AAC	IEEE 802.11ax (80MHz), MCS2, 99pc duty cycle)	WLAN	0.58	±0.6
10922	AAC	IEEE 802.11ax (80MHz), MCS3, 99pc duty cycle)	WLAN	0.70	±0.6
10923	AAC	IEEE 802.11ax (80MHz), MCS4, 99pc duty cycle)	WLAN	0.60	±0.6
10924	AAC	IEEE 802.11ax (80MHz), MCS5, 99pc duty cycle)	WLAN	0.74	±0.6
10925	AAC	IEEE 802.11ax (80MHz), MCS6, 99pc duty cycle)	WLAN	0.72	±0.6
10926	AAC	IEEE 802.11ax (80MHz), MCS7, 99pc duty cycle)	WLAN	0.66	±0.6
10927	AAC	IEEE 802.11ax (80MHz), MCS8, 99pc duty cycle)	WLAN	0.65	±0.6
10928	AAC	IEEE 802.11ax (80MHz), MCS9, 99pc duty cycle)	WLAN	0.64	±0.6
10929	AAC	IEEE 802.11ax (80MHz), MCS10, 99pc duty cycle)	WLAN	0.67	±0.6
10930	AAC	IEEE 802.11ax (80MHz), MCS11, 99pc duty cycle)	WLAN	0.42	±0.6
10931	AAC	IEEE 802.11ax (80MHz), MCS0, 99pc duty cycle)	WLAN	0.46	±0.6
10932	AAC	IEEE 802.11ax (80MHz), MCS1, 99pc duty cycle)	WLAN	0.40	±0.6
10933	AAC	IEEE 802.11ax (80MHz), MCS2, 99pc duty cycle)	WLAN	0.35	±0.6
10934	AAC	IEEE 802.11ax (80MHz), MCS3, 99pc duty cycle)	WLAN	0.33	±0.6
10935	AAC	IEEE 802.11ax (80MHz), MCS4, 99pc duty cycle)	WLAN	0.27	±0.6
10936	AAC	IEEE 802.11ax (80MHz), MCS5, 99pc duty cycle)	WLAN	0.36	±0.6
10937	AAC	IEEE 802.11ax (80MHz), MCS6, 99pc duty cycle)	WLAN	0.42	±0.6
10938	AAC	IEEE 802.11ax (80MHz), MCS7, 99pc duty cycle)	WLAN	0.29	±0.6
10939	AAC	IEEE 802.11ax (80MHz), MCS8, 99pc duty cycle)	WLAN	0.48	±0.6
10940	AAC	IEEE 802.11ax (80MHz), MCS9, 99pc duty cycle)	WLAN	0.40	±0.6
10941	AAC	IEEE 802.11ax (80MHz), MCS10, 99pc duty cycle)	WLAN	0.43	±0.6
10942	AAC	IEEE 802.11ax (80MHz), MCS11, 99pc duty cycle)	WLAN	0.94	±0.6
10943	AAC	IEEE 802.11ax (100MHz), MCS0, 99pc duty cycle)	WLAN	0.93	±0.6
10944	AAC	IEEE 802.11ax (100MHz), MCS1, 99pc duty cycle)	WLAN	0.11	±0.6
10945	AAC	IEEE 802.11ax (100MHz), MCS2, 99pc duty cycle)	WLAN	0.04	±0.6
10946	AAC	IEEE 802.11ax (100MHz), MCS3, 99pc duty cycle)	WLAN	0.03	±0.6
10947	AAC	IEEE 802.11ax (100MHz), MCS4, 99pc duty cycle)	WLAN	0.03	±0.6
10948	AAC	IEEE 802.11ax (100MHz), MCS5, 99pc duty cycle)	WLAN	0.00	±0.6
10949	AAC	IEEE 802.11ax (100MHz), MCS6, 99pc duty cycle)	WLAN	0.79	±0.6
10950	AAC	IEEE 802.11ax (100MHz), MCS7, 99pc duty cycle)	WLAN	0.82	±0.6
10951	AAC	IEEE 802.11ax (100MHz), MCS8, 99pc duty cycle)	WLAN	0.81	±0.6
10952	AAC	IEEE 802.11ax (100MHz), MCS9, 99pc duty cycle)	WLAN		

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UID	Rev	Communication System Name	Group	PAR (dB)	Line#	k = 2
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 80pc duty cycle)	WLAN	8.06	±0.0	
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 80pc duty cycle)	WLAN	8.54	±0.0	
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 80pc duty cycle)	WLAN	8.64	±0.0	
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 80pc duty cycle)	WLAN	8.77	±0.0	
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 80pc duty cycle)	WLAN	8.77	±0.0	
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 80pc duty cycle)	WLAN	8.89	±0.0	
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 80pc duty cycle)	WLAN	8.58	±0.0	
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 80pc duty cycle)	WLAN	8.40	±0.0	
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 80pc duty cycle)	WLAN	8.58	±0.0	
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 80pc duty cycle)	WLAN	8.29	±0.0	
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 80pc duty cycle)	WLAN	8.53	±0.0	
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 80pc duty cycle)	WLAN	8.54	±0.0	
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 80pc duty cycle)	WLAN	8.54	±0.0	
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 80pc duty cycle)	WLAN	8.51	±0.0	
10767	AAD	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15kHz)	5G NR FR1 TDD	7.99	±0.0	
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.01	±0.0	
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.01	±0.0	
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.02	±0.0	
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.02	±0.0	
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.23	±0.0	
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.03	±0.0	
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.02	±0.0	
10775	AAD	5G NR (CP-OFDM, 60% RB, 5 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±0.0	
10776	AAD	5G NR (CP-OFDM, 60% RB, 10 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.30	±0.0	
10777	AAD	5G NR (CP-OFDM, 60% RB, 15 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.30	±0.0	
10778	AAD	5G NR (CP-OFDM, 60% RB, 20 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.34	±0.0	
10779	AAD	5G NR (CP-OFDM, 60% RB, 25 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.42	±0.0	
10780	AAD	5G NR (CP-OFDM, 60% RB, 30 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.38	±0.0	
10781	AAD	5G NR (CP-OFDM, 60% RB, 40 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.38	±0.0	
10782	AAD	5G NR (CP-OFDM, 60% RB, 50 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.43	±0.0	
10783	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±0.0	
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.29	±0.0	
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.40	±0.0	
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.35	±0.0	
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.44	±0.0	
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.39	±0.0	
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.37	±0.0	
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.30	±0.0	
10791	AAD	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.83	±0.0	
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.92	±0.0	
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.95	±0.0	
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.92	±0.0	
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.84	±0.0	
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.82	±0.0	
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.01	±0.0	
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.89	±0.0	
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.89	±0.0	
10800	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.87	±0.0	
10801	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.93	±0.0	
10802	AAD	5G NR (CP-OFDM, 1 RB, 120 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.93	±0.0	
10803	AAD	5G NR (CP-OFDM, 60% RB, 10 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.0	
10804	AAD	5G NR (CP-OFDM, 60% RB, 15 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.37	±0.0	
10805	AAD	5G NR (CP-OFDM, 60% RB, 20 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.0	
10806	AAD	5G NR (CP-OFDM, 60% RB, 25 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.0	
10807	AAD	5G NR (CP-OFDM, 60% RB, 30 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.0	
10808	AAD	5G NR (CP-OFDM, 60% RB, 40 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.35	±0.0	
10809	AAD	5G NR (CP-OFDM, 60% RB, 50 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.35	±0.0	
10810	AAD	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.0	
10811	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.0	
10812	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.33	±0.0	
10813	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±0.0	
10814	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±0.0	
10815	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±0.0	
10816	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±0.0	
10817	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.42	±0.0	
10818	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.42	±0.0	

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EX30M4 - SN:3791

May 23, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Use <sup>①</sup> R = 2
10820	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 36 kHz)	5G NR FRI TDD	6.40	±0.6
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.03	±0.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.70	±0.6
10832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.76	±0.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.76	±0.6
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.70	±0.6
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.70	±0.6
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.66	±0.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.68	±0.6
10838	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.70	±0.6
10839	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.67	±0.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.71	±0.6
10841	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.48	±0.6
10842	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.34	±0.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.41	±0.6
10844	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.34	±0.6
10845	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.38	±0.6
10846	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.37	±0.6
10847	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.35	±0.6
10848	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.38	±0.6
10849	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.34	±0.6
10850	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.41	±0.6
10851	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.40	±0.6
10852	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.41	±0.6
10853	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.37	±0.6
10854	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.41	±0.6
10855	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 36 kHz)	5G NR FRI TDD	5.89	±0.6
10856	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 36 kHz)	5G NR FRI TDD	5.89	±0.6
10857	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 36 kHz)	5G NR FRI TDD	5.75	±0.6
10858	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 36 kHz)	5G NR FRI TDD	5.96	±0.6
10859	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 36 kHz)	5G NR FRI TDD	5.75	±0.6
10860	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 36 kHz)	5G NR FRI TDD	5.96	±0.6
10861	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 36 kHz)	5G NR FRI TDD	5.96	±0.6
10862	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 36 kHz)	5G NR FRI TDD	5.75	±0.6
10863	AAD	5G NR (DFT-s-OFDM, 1 RB, 90 MHz, QPSK, 36 kHz)	5G NR FRI TDD	5.96	±0.6
10864	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 36 kHz)	5G NR FRI TDD	5.96	±0.6
10865	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 36 kHz)	5G NR FRI TDD	6.65	±0.6
10866	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 36 kHz)	5G NR FRI TDD	7.76	±0.6
10867	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 36 kHz)	5G NR FRI TDD	8.39	±0.6
10868	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 36 kHz)	5G NR FRI TDD	7.95	±0.6
10869	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 36 kHz)	5G NR FRI TDD	8.41	±0.6
10870	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 36 kHz)	5G NR FRI TDD	8.12	±0.6
10871	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 36 kHz)	5G NR FRI TDD	8.38	±0.6
10872	AAD	5G NR (DFT-s-OFDM, 50% RB, 90 MHz, QPSK, 36 kHz)	5G NR FRI TDD	8.38	±0.6
10873	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 36 kHz)	5G NR FRI TDD	8.38	±0.6
10874	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FRI TDD	5.75	±0.6
10875	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 120 kHz)	5G NR FRI TDD	5.96	±0.6
10876	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 120 kHz)	5G NR FRI TDD	5.75	±0.6
10877	AAD	5G NR (DFT-s-OFDM, 1 RB, 90 MHz, QPSK, 120 kHz)	5G NR FRI TDD	5.96	±0.6
10878	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FRI TDD	5.96	±0.6
10879	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 120 kHz)	5G NR FRI TDD	6.53	±0.6
10880	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 120 kHz)	5G NR FRI TDD	6.81	±0.6
10881	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 120 kHz)	5G NR FRI TDD	6.85	±0.6
10882	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 120 kHz)	5G NR FRI TDD	7.78	±0.6
10883	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 120 kHz)	5G NR FRI TDD	8.35	±0.6
10884	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 120 kHz)	5G NR FRI TDD	8.00	±0.6
10885	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 120 kHz)	5G NR FRI TDD	8.40	±0.6
10886	AAD	5G NR (DFT-s-OFDM, 50% RB, 90 MHz, QPSK, 120 kHz)	5G NR FRI TDD	8.13	±0.6
10887	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 120 kHz)	5G NR FRI TDD	8.13	±0.6
10888	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.67	±0.6
10889	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.67	±0.6
10890	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.68	±0.6
10891	AAD	5G NR (DFT-s-OFDM, 1 RB, 35 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.68	±0.6
10892	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.68	±0.6
10893	AAD	5G NR (DFT-s-OFDM, 1 RB, 45 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.68	±0.6
10894	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.68	±0.6
10895	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.68	±0.6
10896	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.68	±0.6
10897	AAD	5G NR (DFT-s-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.68	±0.6
10898	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.76	±0.6
10899	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.82	±0.6
10900	AAD	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.86	±0.6
10901	AAD	5G NR (DFT-s-OFDM, 50% RB, 45 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.82	±0.6

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EX3D04 - SN:3791

May 23, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>2</sup> k=2
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30kHz)	5G NR FRI TDD	5.53	±0.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30kHz)	5G NR FRI TDD	5.84	±0.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30kHz)	5G NR FRI TDD	5.84	±0.6
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30kHz)	5G NR FRI TDD	5.85	±0.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30kHz)	5G NR FRI TDD	5.83	±0.6
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30kHz)	5G NR FRI TDD	5.87	±0.6
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30kHz)	5G NR FRI TDD	5.94	±0.6
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FRI TDD	5.96	±0.6
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FRI TDD	5.95	±0.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FRI TDD	5.97	±0.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FRI TDD	5.94	±0.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FRI TDD	5.92	±0.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FRI TDD	5.94	±0.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FRI TDD	5.94	±0.6
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FRI TDD	5.94	±0.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FRI TDD	5.96	±0.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FRI TDD	5.94	±0.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.94	±0.6
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.92	±0.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.92	±0.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.92	±0.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.91	±0.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.91	±0.6
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.91	±0.6
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.91	±0.6
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FRI TDD	5.91	±0.6
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FRI TDD	5.90	±0.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FRI TDD	5.77	±0.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FRI TDD	5.90	±0.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FRI TDD	5.90	±0.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FRI TDD	5.89	±0.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FRI TDD	5.85	±0.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FRI TDD	5.85	±0.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FRI TDD	5.95	±0.6
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.91	±0.6
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.85	±0.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.83	±0.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.87	±0.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.94	±0.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.94	±0.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.94	±0.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	5.92	±0.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR FRI FDD	3.25	±0.8
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz)	5G NR FRI FDD	3.15	±0.8
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR FRI FDD	3.23	±0.8
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)	5G NR FRI FDD	3.32	±0.8
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz)	5G NR FRI FDD	3.14	±0.8
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)	5G NR FRI FDD	3.31	±0.8
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	5G NR FRI FDD	3.33	±0.8
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)	5G NR FRI FDD	3.32	±0.8
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR FRI TDD	3.32	±0.8
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz)	5G NR FRI TDD	3.36	±0.8
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR FRI TDD	3.40	±0.8
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)	5G NR FRI TDD	3.55	±0.8
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz)	5G NR FRI TDD	3.29	±0.8
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)	5G NR FRI TDD	3.37	±0.8
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	5G NR FRI TDD	3.55	±0.8
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)	5G NR FRI TDD	3.42	±0.8
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 30kHz)	5G NR FRI TDD	3.49	±0.8
10972	AAB	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FRI TDD	11.99	±0.6
10973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100MHz, QPSK, 30kHz)	5G NR FRI TDD	9.95	±0.6
10974	AAB	5G NR (DFT-s-OFDM, 100% RB, 100MHz, 256-QAM, 30kHz)	5G NR FRI TDD	10.28	±0.6
10979	AAA	ULLA BDR	ULLA	1.16	±0.8
10979	AAA	ULLA HDR4	ULLA	3.88	±0.6
10980	AAA	ULLA HDR6	ULLA	10.32	±0.6
10981	AAA	ULLA HDR8	ULLA	3.19	±0.6
10982	AAA	ULLA HDR9	ULLA	3.43	±0.6

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EX3DM4 - SN:3791

May 23, 2023

UID	Raw	Communication System Name	Group	PAR (dB)	Unc <sup>2</sup> k = 2
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±0.4
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±0.4
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±0.4
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.56	±0.4
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.63	±0.4
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±0.4
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±0.4
11000	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±0.4
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±0.4
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.79	±0.4
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±0.4
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±0.4
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±0.4
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±0.4
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.99	±0.4
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.99	±0.4
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.69	±0.4
11013	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.27	±0.4
11014	AAA	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.49	±0.4
11015	AAA	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±0.4
11016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±0.4
11017	AAA	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.61	±0.4
11018	AAA	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±0.4
11019	AAA	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.20	±0.4
11020	AAA	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.37	±0.4
11021	AAA	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.36	±0.4
11022	AAA	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.06	±0.4
11024	AAA	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.42	±0.4
11025	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.37	±0.4
11025	AAA	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.36	±0.4

<sup>2</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

**Appendix D.3 Calibration certificate for Probe(SN 7574)**

<p><b>Calibration Laboratory of</b>                  Schmid &amp; Partner                  Engineering AG                  Zeughausstrasse 43, 8004 Zurich, Switzerland</p> <p>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</p>	 	<p>S Schweizerischer Kalibrierdienst                  C Service suisse d'étalonnage                  S Servizio svizzero di taratura                  S Swiss Calibration Service</p> <p>Accreditation No.: <b>SCS 0108</b></p>																																																								
<p>Client: <b>SGS</b>                  Gyeonggi-do, Republic of Korea</p>	<p>Certificate No.: <b>EX-7574_Jul23</b></p>																																																									
<b>CALIBRATION CERTIFICATE</b>																																																										
<p>Object: <b>EX3DV4 - SN:7574</b></p> <p>Calibration procedure(s): <b>QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6, QA CAL-25.v8</b>                  Calibration procedure for dosimetric E-field probes</p> <p>Calibration date: <b>July 18, 2023</b></p> <p><small>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 &lt; 70%.                  Calibration Equipment used (MATE critical for calibration)</small></p>																																																										
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<p>Certificate No: EX-7574_Jul23 <span style="float:right">Page 1 of 22</span></p>																																																										

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



S Schweizerischer Kalibrierdienst  
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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

**Glossary**

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

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

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices – Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) KDB 865684, "SAR Measurement Requirements for 100 MHz to 6 GHz"

**Methods Applied and Interpretation of Parameters:**

- NORM<sub>x,y,z</sub>: Assessed for E-field polarization  $\theta = 0$  ( $f \leq 900$  MHz in TEM-cell;  $f > 1800$  MHz: R22 waveguide). NORM<sub>x,y,z</sub> are only intermediate values, i.e., the uncertainties of NORM<sub>x,y,z</sub> does not affect the E<sup>2</sup>-field uncertainty inside TSL (see below ConvF).
- NORM<sub>x,y,z</sub> \* ConvF = NORM<sub>x,y,z</sub> \* 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.
- DCP<sub>x,y,z</sub>: 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
- A<sub>x,y,z</sub>; B<sub>x,y,z</sub>; C<sub>x,y,z</sub>; D<sub>x,y,z</sub>; V<sub>RF,x,y,z</sub>; 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  $f \geq 800$  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 NORM<sub>x,y,z</sub> \* 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  $\approx 50$  MHz to  $\approx 100$  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 NORM<sub>x</sub> (no uncertainty required).

EX3DV4 - SN:7574

July 18, 2023

**Parameters of Probe: EX3DV4 - SN:7574**

**Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ( $\mu V/V/m^2$ ) <sup>A</sup>	0.50	0.52	0.48	±10.1%
DCP (mV) <sup>B</sup>	108.0	103.5	109.5	±4.7%

**Calibration Results for Modulation Response**

UID	Communication System Name		A dB	B dB $\sqrt{\mu V}$	C	D dB	VR mV	Max dev.	Max Unc <sup>C</sup> k = 2
0	CW	X	0.00	0.00	1.00	0.00	167.4	±2.7%	±4.7%
		Y	0.00	0.00	1.00		164.8		
		Z	0.00	0.00	1.00		159.7		
10352	Pulse Waveform (200Hz, 10%)	X	1.39	80.03	5.99	10.00	60.0	±2.8%	±9.6%
		Y	1.50	80.70	6.33		60.0		
		Z	1.36	80.00	5.91		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	74.00	9.00	6.99	80.0	±2.6%	±9.6%
		Y	0.79	80.00	4.78		80.0		
		Z	0.82	80.00	4.72		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	0.11	139.75	0.01	3.98	95.0	±2.6%	±9.6%
		Y	0.06	123.67	0.78		95.0		
		Z	0.05	136.27	0.01		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	5.22	71.39	0.19	2.22	120.0	±1.6%	±9.6%
		Y	1.09	159.88	2.98		120.0		
		Z	0.36	60.00	2.47		120.0		
10387	QPSK Waveform, 1 MHz	X	0.82	70.89	16.77	1.00	150.0	±3.6%	±9.6%
		Y	0.45	64.14	12.92		150.0		
		Z	0.88	75.09	19.87		150.0		
10388	QPSK Waveform, 10 MHz	X	1.85	89.88	18.19	0.00	150.0	±1.3%	±9.6%
		Y	1.28	88.88	14.14		150.0		
		Z	1.85	73.16	17.07		150.0		
10396	64-QAM Waveform, 100kHz	X	1.67	64.64	16.36	3.01	150.0	±1.1%	±9.6%
		Y	1.61	63.97	15.91		150.0		
		Z	1.82	66.55	17.38		150.0		
10399	64-QAM Waveform, 40 MHz	X	2.94	67.23	15.84	0.00	150.0	±2.1%	±9.6%
		Y	2.83	67.07	15.58		150.0		
		Z	2.93	68.24	16.30		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.01	67.05	16.00	0.00	150.0	±3.5%	±9.6%
		Y	3.75	66.82	15.59		150.0		
		Z	3.78	67.48	16.03		150.0		

Note: For details on UID parameters see Appendix

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

<sup>A</sup> The uncertainties of Norm X, Y, Z do not affect the E<sup>2</sup>-field uncertainty inside TSL (see Pages 5 and 6).  
<sup>B</sup> Linearization parameter uncertainty for maximum specified field strength.  
<sup>C</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.



EX3DV4 - SN:7574

July 18, 2023

**Parameters of Probe: EX3DV4 - SN:7574**

**Sensor Model Parameters**

	C1 fF	C2 fF	$\alpha$ V <sup>-1</sup>	T1 mV <sup>-2</sup>	T2 mV <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	T6
x	8.7	70.28	35.85	3.20	0.00	4.50	0.17	0.04	1.00
y	8.0	69.84	35.20	2.89	0.00	4.33	0.06	0.07	1.00
z	7.0	51.16	34.07	3.57	0.00	4.90	0.50	0.00	1.00

**Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle	154.8°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

EX3DV4 - SN:7574

July 18, 2023

**Parameters of Probe: EX3DV4 - SN:7574**

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

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	41.9	0.89	9.60	9.60	9.60	0.40	0.93	±12.0%
835	41.5	0.90	9.24	9.24	9.24	0.26	1.22	±12.0%
900	41.5	0.97	9.03	9.03	9.03	0.46	0.80	±12.0%
1750	40.1	1.37	8.39	8.39	8.39	0.27	0.86	±12.0%
1900	40.0	1.40	7.94	7.94	7.94	0.27	0.86	±12.0%
1950	40.0	1.40	7.75	7.75	7.75	0.35	0.86	±12.0%
2300	39.5	1.67	7.66	7.66	7.66	0.29	0.90	±12.0%
2450	39.2	1.80	7.32	7.32	7.32	0.27	0.90	±12.0%
2900	39.0	1.96	7.11	7.11	7.11	0.41	0.90	±12.0%
3000	38.2	2.71	6.81	6.81	6.81	0.30	1.35	±14.0%
3500	37.9	2.91	6.61	6.61	6.61	0.30	1.35	±14.0%
3700	37.7	3.12	6.52	6.52	6.52	0.30	1.35	±14.0%
3900	37.5	3.32	6.39	6.39	6.39	0.40	1.60	±14.0%
4100	37.2	3.53	6.33	6.33	6.33	0.40	1.60	±14.0%
4400	36.9	3.94	5.87	5.87	5.87	0.40	1.70	±14.0%
4600	36.7	4.04	5.82	5.82	5.82	0.40	1.70	±14.0%
4800	36.4	4.25	5.88	5.88	5.88	0.40	1.80	±14.0%
4950	36.3	4.40	5.65	5.65	5.65	0.40	1.80	±14.0%
5200	36.0	4.66	5.27	5.27	5.27	0.40	1.80	±14.0%
5300	35.9	4.76	5.06	5.06	5.06	0.40	1.80	±14.0%
5500	35.6	4.96	4.81	4.81	4.81	0.40	1.80	±14.0%
5600	35.5	5.07	4.61	4.61	4.61	0.40	1.80	±14.0%
5800	35.3	5.27	4.60	4.60	4.60	0.40	1.80	±14.0%

<sup>C</sup> Frequency validity above 300-MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50-MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is a 10, 25, 40, 55 and 70 MHz for ConvF assessments at 30, 64, 156, 150 and 225 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-8 MHz, and ConvF assessed at 13 MHz is 9-18 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

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

<sup>G</sup> Alpha/Depth are determined during calibration. SPAG 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.

EX3DV4 - SN:7574

July 18, 2023

**Parameters of Probe: EX3DV4 - SN:7574**

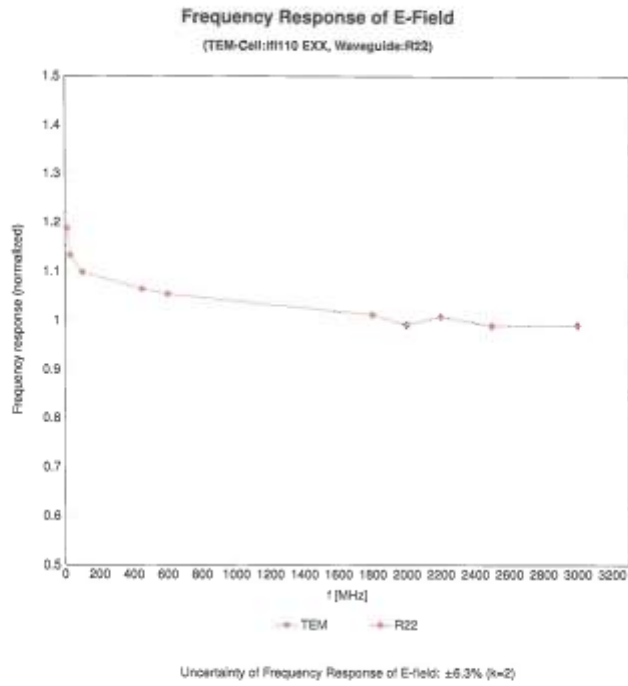
**Calibration Parameter Determined in Head Tissue Simulating Media**

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
6500	34.5	6.07	5.10	5.10	5.10	0.20	2.50	±18.6%
7000	33.9	6.55	5.05	5.05	5.05	0.30	2.80	±18.6%

<sup>C</sup> Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.  
<sup>F</sup> The probes are calibrated using tissue simulating liquids (TSL) that deviate for  $\epsilon'$  and  $\sigma$  by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.  
<sup>G</sup> Alpha/Depth are determined during calibration. SP5AG 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 as any distance larger than half the probe tip diameter from the boundary.

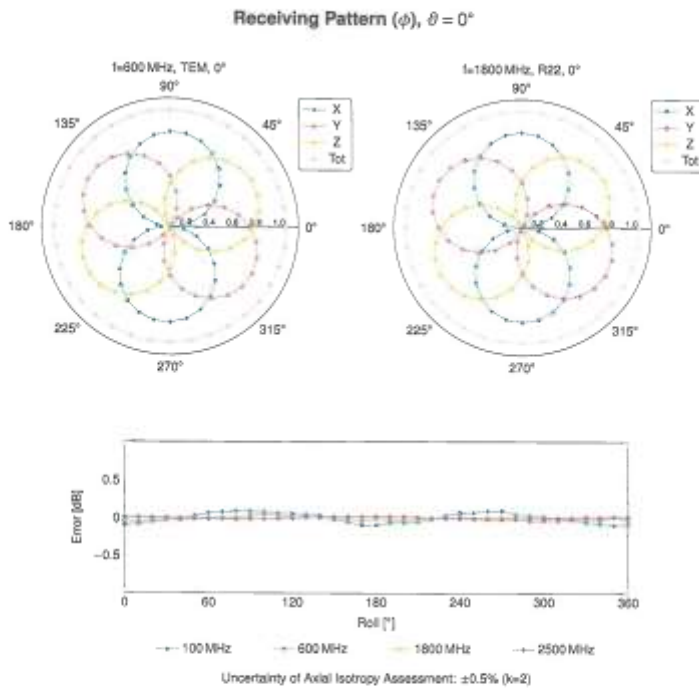
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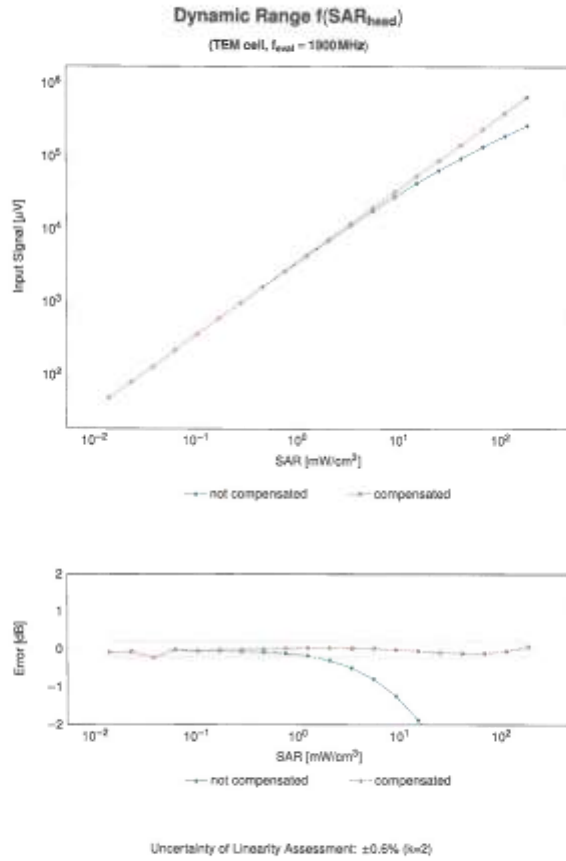


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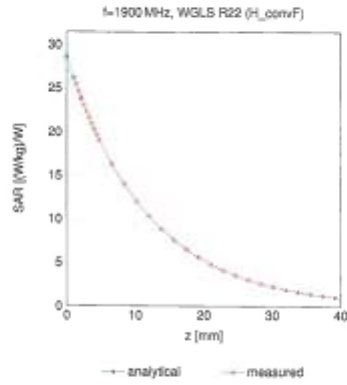
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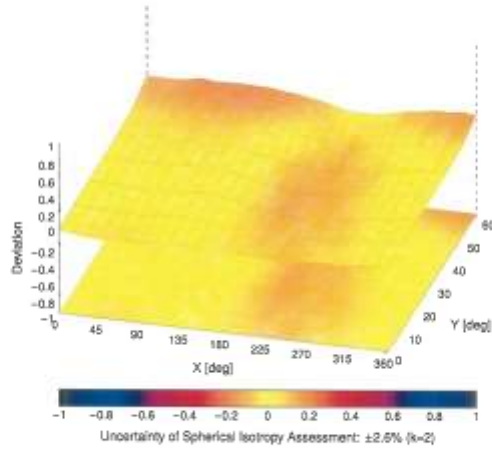
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**Conversion Factor Assessment**



**Deviation from Isotropy in Liquid**

Error (φ, θ), f = 900 MHz



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Appendix: Modulation Calibration Parameters

URI	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>2</sup> k = 2
9		CW	CW	0.00	±4.7
10010	CAR	SAR Validation (Square, 100ma, 10ms)	SAR	10.00	±0.0
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±0.0
10012	CAR	IEEE 802.11b WiFi 2.4GHz (DSSS, 1 Mbps)	WLAN	2.87	±0.0
10013	CAR	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 6Mbps)	WLAN	3.44	±0.0
10021	DMC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±0.0
10023	DMC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±0.0
10024	DMC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	8.58	±0.0
10025	DMC	EDGE-FDD (TDMA, GMSK, TN 0)	GSM	12.62	±0.0
10027	DMC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	9.56	±0.0
10028	DMC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.85	±0.0
10029	DMC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±0.0
10029	DMC	EDGE-FDD (TDMA, GMSK, TN 0-1-2)	GSM	7.78	±0.0
10030	GAA	IEEE 802.15.1 Bluetooth (QPSK, DH1)	Bluetooth	5.36	±0.0
10031	GAA	IEEE 802.15.1 Bluetooth (QPSK, DH3)	Bluetooth	1.87	±0.0
10032	GAA	IEEE 802.15.1 Bluetooth (QPSK, DH5)	Bluetooth	1.16	±0.0
10033	GAA	IEEE 802.15.1 Bluetooth (PSK-DQPSK, CH1)	Bluetooth	7.74	±0.0
10034	GAA	IEEE 802.15.1 Bluetooth (PSK-DQPSK, CH3)	Bluetooth	4.53	±0.0
10035	GAA	IEEE 802.15.1 Bluetooth (PSK-DQPSK, CH5)	Bluetooth	3.83	±0.0
10036	GAA	IEEE 802.15.1 Bluetooth (B-PSK, DH1)	Bluetooth	8.01	±0.0
10037	GAA	IEEE 802.15.1 Bluetooth (B-PSK, DH3)	Bluetooth	4.77	±0.0
10038	GAA	IEEE 802.15.1 Bluetooth (B-PSK, DH5)	Bluetooth	4.10	±0.0
10038	CAR	CDMA2000 (1xRTT, FC1)	CDMA2000	4.57	±0.0
10042	CAR	IS-54 / IS-136 FDD (TDMA-FDM, PSK-DQPSK, Fullrate)	AMPS	7.78	±0.0
10044	GAA	IS-97/IS-136 FDD (TDMA, PSK)	AMPS	0.00	±0.0
10048	GAA	DECT (TDD, TDMA/FDM, QPSK, Full Slot, 2x)	DECT	13.00	±0.0
10049	GAA	DECT (TDD, TDMA/FDM, QPSK, Double Slot, 1x)	DECT	10.70	±0.0
10056	GAA	UMTS-TDD (TD-SCDMA, 1.28Mbps)	TD-SCDMA	11.01	±0.0
10058	DAC	EDGE-FDD (TDMA, BPSK, TN 0-1-2-3)	GSM	6.50	±0.0
10059	CAR	IEEE 802.11b WiFi 2.4GHz (QSSS, 2Mbps)	WLAN	2.12	±0.0
10060	CAR	IEEE 802.11b WiFi 2.4GHz (QSSS, 5.5Mbps)	WLAN	2.85	±0.0
10061	CAR	IEEE 802.11b WiFi 2.4GHz (QSSS, 11Mbps)	WLAN	3.00	±0.0
10062	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 6Mbps)	WLAN	3.88	±0.0
10063	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 9Mbps)	WLAN	6.63	±0.0
10064	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 12Mbps)	WLAN	9.00	±0.0
10065	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 18Mbps)	WLAN	9.00	±0.0
10066	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 24Mbps)	WLAN	9.39	±0.0
10067	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 30Mbps)	WLAN	10.12	±0.0
10068	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 48Mbps)	WLAN	10.34	±0.0
10069	CAD	IEEE 802.11a/n WiFi 5GHz (OFDM, 54Mbps)	WLAN	10.96	±0.0
10071	CAR	IEEE 802.11g WiFi 2.4GHz (QSSS/OFDM, 9Mbps)	WLAN	0.83	±0.0
10072	CAR	IEEE 802.11g WiFi 2.4GHz (QSSS/OFDM, 12Mbps)	WLAN	0.82	±0.0
10073	CAR	IEEE 802.11g WiFi 2.4GHz (QSSS/OFDM, 18Mbps)	WLAN	0.94	±0.0
10074	CAR	IEEE 802.11g WiFi 2.4GHz (QSSS/OFDM, 24Mbps)	WLAN	10.30	±0.0
10075	CAR	IEEE 802.11g WiFi 2.4GHz (QSSS/OFDM, 36Mbps)	WLAN	10.77	±0.0
10076	CAR	IEEE 802.11g WiFi 2.4GHz (QSSS/OFDM, 48Mbps)	WLAN	10.94	±0.0
10077	CAR	IEEE 802.11g WiFi 2.4GHz (QSSS/OFDM, 54Mbps)	WLAN	11.00	±0.0
10081	CAR	CDMA2000 (1xRTT, FC3)	CDMA2000	3.97	±0.0
10082	CAR	IS-54 / IS-136 FDD (TDMA-FDM, PSK-DQPSK, Fullrate)	AMPS	4.77	±0.0
10089	DMC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±0.0
10097	CAC	UMTS-FDD (HSPA)	WCDMA	3.99	±0.0
10098	CAC	UMTS-FDD (HSPA, Subrate 2)	WCDMA	3.99	±0.0
10099	DMC	EDGE-FDD (TDMA, BPSK, TN 0-4)	GSM	5.55	±0.0
10103	CAP	LTE-FDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-FDD	5.37	±0.0
10101	CAP	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-FDD	9.42	±0.0
10102	CAP	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-FDD	8.83	±0.0
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-TDD	9.29	±0.0
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-TDD	9.29	±0.0
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-TDD	10.21	±0.0
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10MHz, QPSK)	LTE-FDD	5.80	±0.0
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10MHz, 16-QAM)	LTE-FDD	8.43	±0.0
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-FDD	5.75	±0.0
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-FDD	6.44	±0.0





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UBD	Rev	Communication System Name	Group	FAR (dB)	Unc <sup>2</sup> (dB)
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	6.59	±0.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	6.60	±0.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5Mbps, BPSK)	WLAN	8.10	±0.6
10116	CAD	IEEE 802.11n (HT Greenfield, 13.5Mbps, 64-QAM)	WLAN	8.49	±0.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5Mbps, BPSK)	WLAN	8.57	±0.6
10118	CAD	IEEE 802.11n (HT Mixed, 81Mbps, 16-QAM)	WLAN	8.99	±0.6
10119	CAD	IEEE 802.11n (HT Mixed, 135Mbps, 64-QAM)	WLAN	8.13	±0.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	LTE-FDD	6.49	±0.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	6.33	±0.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-FDD	6.79	±0.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-FDD	6.35	±0.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-FDD	6.65	±0.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-FDD	5.78	±0.6
10148	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM)	LTE-FDD	6.41	±0.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM)	LTE-FDD	6.72	±0.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 30MHz, 16-QAM)	LTE-FDD	6.42	±0.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 30MHz, 64-QAM)	LTE-FDD	6.60	±0.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20MHz, QPSK)	LTE-FDD	5.28	±0.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 16-QAM)	LTE-FDD	5.60	±0.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 64-QAM)	LTE-FDD	10.06	±0.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-FDD	5.75	±0.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-FDD	6.40	±0.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-FDD	5.70	±0.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)	LTE-FDD	6.40	±0.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)	LTE-FDD	6.82	±0.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-FDD	6.56	±0.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-FDD	5.82	±0.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-FDD	6.43	±0.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)	LTE-FDD	6.58	±0.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, QPSK)	LTE-FDD	6.48	±0.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM)	LTE-FDD	6.21	±0.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM)	LTE-FDD	6.79	±0.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, QPSK)	LTE-FDD	5.73	±0.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10171	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-FDD	6.48	±0.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, QPSK)	LTE-TDD	6.21	±0.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)	LTE-TDD	6.48	±0.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-TDD	10.25	±0.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, QPSK)	LTE-FDD	5.72	±0.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10177	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)	LTE-FDD	6.73	±0.6
10177	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	5.73	±0.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-FDD	5.72	±0.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10183	AAR	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-FDD	6.73	±0.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-FDD	6.51	±0.6
10186	AAR	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-FDD	6.90	±0.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-FDD	5.73	±0.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10189	AAR	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-FDD	6.90	±0.6
10193	CAD	IEEE 802.11n (HT Greenfield, 6.5Mbps, BPSK)	WLAN	8.39	±0.6
10194	CAD	IEEE 802.11n (HT Greenfield, 6.5Mbps, 16-QAM)	WLAN	8.12	±0.6
10195	CAD	IEEE 802.11n (HT Greenfield, 6.5Mbps, 64-QAM)	WLAN	8.21	±0.6
10198	CAD	IEEE 802.11n (HT Mixed, 6.5Mbps, BPSK)	WLAN	8.10	±0.6
10197	CAD	IEEE 802.11n (HT Mixed, 30Mbps, 16-QAM)	WLAN	8.13	±0.6
10198	CAD	IEEE 802.11n (HT Mixed, 65Mbps, 64-QAM)	WLAN	8.27	±0.6
10219	CAD	IEEE 802.11n (HT Mixed, 7.3Mbps, BPSK)	WLAN	8.53	±0.6
10220	CAD	IEEE 802.11n (HT Mixed, 15.3Mbps, 16-QAM)	WLAN	8.13	±0.6
10221	CAD	IEEE 802.11n (HT Mixed, 72.2Mbps, 64-QAM)	WLAN	8.27	±0.6
10222	CAD	IEEE 802.11n (HT Mixed, 15Mbps, BPSK)	WLAN	8.06	±0.6
10223	CAD	IEEE 802.11n (HT Mixed, 30Mbps, 16-QAM)	WLAN	8.48	±0.6
10224	CAD	IEEE 802.11n (HT Mixed, 150Mbps, 64-QAM)	WLAN	8.58	±0.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Use#	n = 2
10225	CAC	UMTS-FDD (HSR4-)	WCDMA	9.97		±0.5
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49		±0.5
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.25		±0.5
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22		±0.5
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.49		±0.5
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25		±0.5
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19		±0.5
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.49		±0.5
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25		±0.5
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21		±0.5
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48		±0.5
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25		±0.5
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21		±0.5
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48		±0.5
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25		±0.5
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21		±0.5
10241	CAG	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.22		±0.4
10242	CAG	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86		±0.5
10243	CAG	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46		±0.5
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06		±0.5
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06		±0.4
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30		±0.5
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91		±0.5
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09		±0.5
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29		±0.5
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.81		±0.5
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.17		±0.5
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.24		±0.5
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90		±0.5
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14		±0.5
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20		±0.5
10256	CAG	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.26		±0.5
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08		±0.5
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34		±0.5
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.28		±0.5
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97		±0.5
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.34		±0.5
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83		±0.5
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.18		±0.5
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23		±0.5
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.82		±0.5
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.27		±0.5
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.33		±0.5
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.24		±0.5
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13		±0.5
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58		±0.5
10274	CAC	UMTS-FDD (HSR4, Subnet 5, 30PP RAB 70)	WCDMA	4.87		±0.5
10275	CAC	UMTS-FDD (HSR4, Subnet 5, 30PP RAB 4)	WCDMA	3.96		±0.5
10277	CAA	PHS (QPSK)	PHS	11.81		±0.5
10278	CAA	PHS (QPSK, BW 800 kHz, Roll-off 0.2)	PHS	11.81		±0.5
10279	CAA	PHS (QPSK, BW 800 kHz, Roll-off 0.38)	PHS	12.18		±0.5
10280	ANB	CDMA2000, 1X, SC8S, Full Rate	CDMA2000	3.91		±0.5
10281	ANB	CDMA2000, 1X, SC8S, Full Rate	CDMA2000	3.46		±0.5
10282	ANB	CDMA2000, 1X, SC8S, Full Rate	CDMA2000	3.38		±0.5
10283	ANB	CDMA2000, 1X, SC8S, Full Rate	CDMA2000	3.50		±0.5
10284	ANB	CDMA2000, 1X, SC8S, 1/8th Rate 25%	CDMA2000	12.49		±0.5
10287	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.81		±0.5
10288	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.72		±0.5
10289	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.38		±0.5
10300	AAA	IEEE 802.15a WIMAX (20.15, 5.1ma, 10 MHz, QPSK, PUSC)	WIMAX	12.03		±0.5
10301	AAA	IEEE 802.15a WIMAX (20.15, 5.1ma, 10 MHz, QPSK, PUSC, 3 CTRF_symbols)	WIMAX	12.57		±0.5
10303	AAA	IEEE 802.15a WIMAX (20.15, 5.1ma, 10 MHz, 64QAM, PUSC)	WIMAX	12.52		±0.5
10304	AAA	IEEE 802.15a WIMAX (20.15, 5.1ma, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	11.36		±0.5
10305	AAA	IEEE 802.15a WIMAX (20.15, 10.1ma, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	12.24		±0.5
10306	AAA	IEEE 802.15a WIMAX (20.15, 10.1ma, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	14.67		±0.5

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UID	Rev	Communication System Name	Group	RNR (dB)	Time# A = 2
10307	AAA	IEEE 802.11e WMAX (2S-1E, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	WMAX	14.49	±0.0
10308	AAA	IEEE 802.11e WMAX (2S-1E, 10ms, 10MHz, 16QAM, PUSC)	WMAX	14.48	±0.0
10309	AAA	IEEE 802.11e WMAX (2S-1E, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	WMAX	14.58	±0.0
10310	AAA	IEEE 802.11e WMAX (2S-1E, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	WMAX	14.57	±0.0
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-FDD	6.06	±0.0
10313	AAA	IDEN 1-3	IDEN	10.51	±0.0
10314	AAA	IDEN 1-5	IDEN	13.48	±0.0
10315	AAE	IEEE 802.11b WPI 3.4GHz (DSSS, 1Mbps, 90pc duty cycle)	WLAN	1.71	±0.0
10316	AAE	IEEE 802.11g WPI 3.4GHz (ERP-OFDM, 6Mbps, 90pc duty cycle)	WLAN	8.36	±0.0
10317	AAE	IEEE 802.11g WPI 3.4GHz (ERP-OFDM, 6Mbps, 90pc duty cycle)	WLAN	8.38	±0.0
10382	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±0.0
10383	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.00	±0.0
10384	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.00	±0.0
10385	AAA	Pulse Waveform (200Hz, 60%)	Generic	3.00	±0.0
10386	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.07	±0.0
10387	AAA	QPSK Waveform, 1MHz	Generic	5.10	±0.0
10388	AAA	QPSK Waveform, 10MHz	Generic	5.00	±0.0
10389	AAA	64-QAM Waveform, 100kHz	Generic	6.07	±0.0
10399	AAA	64-QAM Waveform, 40MHz	Generic	6.07	±0.0
10400	AAE	IEEE 802.11ac WPI 20MHz (64-QAM, 90pc duty cycle)	WLAN	6.07	±0.0
10401	AAE	IEEE 802.11ac WPI 40MHz (64-QAM, 90pc duty cycle)	WLAN	6.00	±0.0
10402	AAE	IEEE 802.11ac WPI 80MHz (64-QAM, 90pc duty cycle)	WLAN	6.00	±0.0
10403	AAE	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±0.0
10404	AAE	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±0.0
10406	AAE	CDMA2000, RCS, QCS2, SCX3, Full Rate	CDMA2000	5.22	±0.0
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK, UL, Subframe=2,3,4,7,8,9, Subframe Cont=4)	LTE-TDD	7.82	±0.0
10414	AAA	WLAN CDF, 64-QAM, 40MHz	Generic	8.54	±0.0
10415	AAA	IEEE 802.11a WPI 2.4GHz (DSSS, 1Mbps, 90pc duty cycle)	WLAN	1.54	±0.0
10416	AAA	IEEE 802.11g WPI 2.4GHz (ERP-OFDM, 6Mbps, 90pc duty cycle)	WLAN	8.23	±0.0
10417	AAE	IEEE 802.11a WPI 2.4GHz (DSSS-OFDM, 6Mbps, 90pc duty cycle)	WLAN	8.23	±0.0
10418	AAA	IEEE 802.11g WPI 2.4GHz (DSSS-OFDM, 6Mbps, 90pc duty cycle, Long preamble)	WLAN	8.14	±0.0
10419	AAA	IEEE 802.11g WPI 2.4GHz (DSSS-OFDM, 6Mbps, 90pc duty cycle, Short preamble)	WLAN	8.13	±0.0
10420	AAE	IEEE 802.11n (HT Greenfield, 7.2Mbps, BPSK)	WLAN	8.32	±0.0
10423	AAE	IEEE 802.11n (HT Greenfield, 43.3Mbps, 16-QAM)	WLAN	8.47	±0.0
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2Mbps, 64-QAM)	WLAN	8.40	±0.0
10425	AAE	IEEE 802.11n (HT Greenfield, 156Mbps, BPSK)	WLAN	8.41	±0.0
10426	AAE	IEEE 802.11n (HT Greenfield, 90Mbps, 16-QAM)	WLAN	8.45	±0.0
10427	AAE	IEEE 802.11n (HT Greenfield, 156Mbps, 64-QAM)	WLAN	8.41	±0.0
10430	AAE	LTE-FDD (SC-FDMA, 3MHz, E-TM 3.1)	LTE-FDD	8.28	±0.0
10431	AAE	LTE-FDD (SC-FDMA, 10MHz, E-TM 3.1)	LTE-FDD	8.38	±0.0
10432	AAE	LTE-FDD (SC-FDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	±0.0
10433	AAE	LTE-FDD (SC-FDMA, 20MHz, E-TM 3.1)	LTE-FDD	8.34	±0.0
10434	AAE	W-CDMA (HS Test Model 1, 54 DPCCH)	WCDMA	6.00	±0.0
10436	AAE	LTE-TDD (SC-FDMA, 1 RB, 20MHz, QPSK, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.0
10447	AAE	LTE-FDD (SC-FDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±0.0
10448	AAE	LTE-FDD (SC-FDMA, 10MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.59	±0.0
10449	AAE	LTE-FDD (SC-FDMA, 15MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±0.0
10480	AAE	LTE-FDD (SC-FDMA, 20MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.40	±0.0
10481	AAE	W-CDMA (HS Test Model 1, 54 DPCCH, Clipping 44%)	WCDMA	7.59	±0.0
10483	AAE	Validation (Square, 16ms, 1 ms)	Test	10.00	±0.0
10486	AAE	IEEE 802.11ac WPI (160MHz, 64-QAM, 90pc duty cycle)	WLAN	6.00	±0.0
10487	AAE	UMTS FDD (SC-FSS)	WCDMA	6.00	±0.0
10488	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.00	±0.0
10489	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	6.00	±0.0
10490	AAE	UMTS FDD (WCDMA, AVF)	WCDMA	2.00	±0.0
10491	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.0
10492	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±0.0
10493	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±0.0
10494	AAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.0
10495	AAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.0
10496	AAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	8.27	±0.0
10497	AAE	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.0
10498	AAE	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	8.33	±0.0
10499	AAE	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	8.34	±0.0
10499	AAE	LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.0
10499	AAE	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 16-QAM, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.0

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SRD	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>2</sup> k = 2
10472	AAQ	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.6
10477	AAQ	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.6
10479	AAQ	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.6
10479	AAQ	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
10480	AAQ	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±0.6
10481	AAQ	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±0.6
10482	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±0.6
10482	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.29	±0.6
10484	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±0.6
10485	AAQ	LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.55	±0.6
10485	AAQ	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.34	±0.6
10487	AAQ	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.69	±0.6
10488	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±0.6
10489	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±0.6
10490	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±0.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.65	±0.6
10494	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
10495	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±0.6
10496	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.6
10497	AAQ	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±0.6
10498	AAQ	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±0.6
10499	AAQ	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±0.6
10500	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±0.6
10501	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±0.6
10502	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±0.6
10503	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±0.6
10504	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±0.6
10505	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.6
10506	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
10507	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±0.6
10508	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±0.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.69	±0.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±0.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±0.6
10512	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
10513	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±0.6
10514	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.65	±0.6
10515	AAA	IEEE 802.11d WIF 2.4GHz (2555, 2Mbps, 90pc duty cycle)	WLAN	1.58	±0.6
10516	AAA	IEEE 802.11b WIF 2.4GHz (2555, 5.5Mbps, 90pc duty cycle)	WLAN	1.57	±0.6
10517	AAA	IEEE 802.11g WIF 2.4GHz (2555, 11Mbps, 90pc duty cycle)	WLAN	1.58	±0.6
10518	AAQ	IEEE 802.11ac WIF 5GHz (2555, 9Mbps, 90pc duty cycle)	WLAN	8.23	±0.6
10519	AAQ	IEEE 802.11ac WIF 5GHz (2555, 13Mbps, 90pc duty cycle)	WLAN	8.39	±0.6
10520	AAQ	IEEE 802.11ac WIF 5GHz (2555, 18Mbps, 90pc duty cycle)	WLAN	8.12	±0.6
10521	AAQ	IEEE 802.11ac WIF 5GHz (2555, 24Mbps, 90pc duty cycle)	WLAN	7.97	±0.6
10522	AAQ	IEEE 802.11ac WIF 5GHz (2555, 36Mbps, 90pc duty cycle)	WLAN	8.45	±0.6
10523	AAQ	IEEE 802.11ac WIF 5GHz (2555, 48Mbps, 90pc duty cycle)	WLAN	8.08	±0.6
10524	AAQ	IEEE 802.11ac WIF 5GHz (2555, 64Mbps, 90pc duty cycle)	WLAN	8.27	±0.6
10525	AAQ	IEEE 802.11ac WIF (20MHz, MCS3, 90pc duty cycle)	WLAN	8.35	±0.6
10526	AAQ	IEEE 802.11ac WIF (20MHz, MCS1, 90pc duty cycle)	WLAN	8.42	±0.6
10527	AAQ	IEEE 802.11ac WIF (20MHz, MCS2, 90pc duty cycle)	WLAN	8.31	±0.6
10528	AAQ	IEEE 802.11ac WIF (20MHz, MCS3, 90pc duty cycle)	WLAN	8.36	±0.6
10529	AAQ	IEEE 802.11ac WIF (20MHz, MCS4, 90pc duty cycle)	WLAN	8.35	±0.6
10531	AAQ	IEEE 802.11ac WIF (20MHz, MCS5, 90pc duty cycle)	WLAN	8.43	±0.6
10532	AAQ	IEEE 802.11ac WIF (20MHz, MCS7, 90pc duty cycle)	WLAN	8.29	±0.6
10533	AAQ	IEEE 802.11ac WIF (20MHz, MCS8, 90pc duty cycle)	WLAN	8.35	±0.6
10534	AAQ	IEEE 802.11ac WIF (40MHz, MCS3, 90pc duty cycle)	WLAN	8.45	±0.6
10535	AAQ	IEEE 802.11ac WIF (40MHz, MCS1, 90pc duty cycle)	WLAN	8.33	±0.6
10536	AAQ	IEEE 802.11ac WIF (40MHz, MCS2, 90pc duty cycle)	WLAN	8.33	±0.6
10537	AAQ	IEEE 802.11ac WIF (40MHz, MCS3, 90pc duty cycle)	WLAN	8.44	±0.6
10538	AAQ	IEEE 802.11ac WIF (40MHz, MCS4, 90pc duty cycle)	WLAN	8.54	±0.6
10540	AAQ	IEEE 802.11ac WIF (40MHz, MCS8, 90pc duty cycle)	WLAN	8.39	±0.6

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MRD	Rev	Communication System Name	Group	PAR (dB)	Time <sup>1</sup> A = 2
10541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.48	±0.5
10542	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.55	±0.5
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.62	±0.5
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.47	±0.5
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.55	±0.5
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.38	±0.5
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.48	±0.5
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.37	±0.5
10550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.38	±0.5
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.50	±0.5
10562	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.45	±0.5
10563	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.45	±0.5
10564	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.48	±0.5
10565	AAC	IEEE 802.11ac WiFi (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.27	±0.5
10566	AAC	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.50	±0.5
10567	AAC	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.52	±0.5
10568	AAC	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.51	±0.5
10569	AAC	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±0.5
10569	AAC	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.56	±0.5
10569	AAC	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.69	±0.5
10569	AAC	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.77	±0.5
10594	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.25	±0.5
10595	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.45	±0.5
10596	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.13	±0.5
10597	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.00	±0.5
10598	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 30 Mbps, 90pc duty cycle)	WLAN	8.37	±0.5
10599	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.10	±0.5
10600	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.30	±0.5
10601	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.39	±0.5
10602	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±0.5
10603	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±0.5
10604	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.38	±0.5
10605	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.84	±0.5
10606	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	3.59	±0.5
10607	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	3.53	±0.5
10608	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	3.70	±0.5
10609	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	3.49	±0.5
10610	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	3.36	±0.5
10611	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 30 Mbps, 90pc duty cycle)	WLAN	3.76	±0.5
10612	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	3.38	±0.5
10613	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	3.67	±0.5
10614	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	3.59	±0.5
10615	AAC	IEEE 802.11ah WiFi 8 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.65	±0.5
10616	AAC	IEEE 802.11ah WiFi 8 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.73	±0.5
10617	AAC	IEEE 802.11ah WiFi 8 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±0.5
10618	AAC	IEEE 802.11ah WiFi 8 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±0.5
10619	AAC	IEEE 802.11ah WiFi 8 GHz (OFDM, 30 Mbps, 90pc duty cycle)	WLAN	8.76	±0.5
10620	AAC	IEEE 802.11ah WiFi 8 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.38	±0.5
10621	AAC	IEEE 802.11ah WiFi 8 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.67	±0.5
10622	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.68	±0.5
10623	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.70	±0.5
10624	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±0.5
10625	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±0.5
10626	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±0.5
10627	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±0.5
10628	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±0.5
10629	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±0.5
10630	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS8, 90pc duty cycle)	WLAN	8.70	±0.5
10631	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS9, 90pc duty cycle)	WLAN	8.69	±0.5
10632	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±0.5
10633	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±0.5
10634	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.77	±0.5
10635	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.77	±0.5
10636	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	8.77	±0.5
10637	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±0.5
10638	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±0.5



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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>2</sup> k = 2
10603	AAC	IEEE 802.11ac WPI (20MHz, MCS9, 90pc duty cycle)	WLAN	3.57	+0.6
10610	AAC	IEEE 802.11ac WPI (20MHz, MCS9, 90pc duty cycle)	WLAN	3.73	+0.6
10611	AAC	IEEE 802.11ac WPI (20MHz, MCS4, 90pc duty cycle)	WLAN	3.73	+0.6
10612	AAC	IEEE 802.11ac WPI (20MHz, MCS5, 90pc duty cycle)	WLAN	3.77	+0.6
10613	AAC	IEEE 802.11ac WPI (20MHz, MCS6, 90pc duty cycle)	WLAN	3.84	+0.6
10614	AAC	IEEE 802.11ac WPI (20MHz, MCS7, 90pc duty cycle)	WLAN	3.88	+0.6
10615	AAC	IEEE 802.11ac WPI (20MHz, MCS8, 90pc duty cycle)	WLAN	3.82	+0.6
10616	AAC	IEEE 802.11ac WPI (40MHz, MCS0, 90pc duty cycle)	WLAN	3.89	+0.6
10617	AAC	IEEE 802.11ac WPI (40MHz, MCS1, 90pc duty cycle)	WLAN	3.81	+0.6
10618	AAC	IEEE 802.11ac WPI (40MHz, MCS2, 90pc duty cycle)	WLAN	3.88	+0.6
10619	AAC	IEEE 802.11ac WPI (40MHz, MCS3, 90pc duty cycle)	WLAN	3.86	+0.6
10620	AAC	IEEE 802.11ac WPI (40MHz, MCS4, 90pc duty cycle)	WLAN	3.87	+0.6
10621	AAC	IEEE 802.11ac WPI (40MHz, MCS5, 90pc duty cycle)	WLAN	3.77	+0.6
10622	AAC	IEEE 802.11ac WPI (40MHz, MCS6, 90pc duty cycle)	WLAN	3.88	+0.6
10623	AAC	IEEE 802.11ac WPI (40MHz, MCS7, 90pc duty cycle)	WLAN	3.82	+0.6
10624	AAC	IEEE 802.11ac WPI (40MHz, MCS8, 90pc duty cycle)	WLAN	3.90	+0.6
10625	AAC	IEEE 802.11ac WPI (40MHz, MCS9, 90pc duty cycle)	WLAN	3.90	+0.6
10626	AAC	IEEE 802.11ac WPI (80MHz, MCS0, 90pc duty cycle)	WLAN	3.83	+0.6
10627	AAC	IEEE 802.11ac WPI (80MHz, MCS1, 90pc duty cycle)	WLAN	3.80	+0.6
10628	AAC	IEEE 802.11ac WPI (80MHz, MCS2, 90pc duty cycle)	WLAN	3.71	+0.6
10629	AAC	IEEE 802.11ac WPI (80MHz, MCS3, 90pc duty cycle)	WLAN	3.83	+0.6
10630	AAC	IEEE 802.11ac WPI (80MHz, MCS4, 90pc duty cycle)	WLAN	3.79	+0.6
10631	AAC	IEEE 802.11ac WPI (80MHz, MCS5, 90pc duty cycle)	WLAN	3.81	+0.6
10632	AAC	IEEE 802.11ac WPI (80MHz, MCS6, 90pc duty cycle)	WLAN	3.74	+0.6
10633	AAC	IEEE 802.11ac WPI (80MHz, MCS7, 90pc duty cycle)	WLAN	3.83	+0.6
10634	AAC	IEEE 802.11ac WPI (80MHz, MCS8, 90pc duty cycle)	WLAN	3.80	+0.6
10635	AAC	IEEE 802.11ac WPI (80MHz, MCS9, 90pc duty cycle)	WLAN	3.81	+0.6
10636	AAD	IEEE 802.11ac WPI (160MHz, MCS0, 90pc duty cycle)	WLAN	3.83	+0.6
10637	AAD	IEEE 802.11ac WPI (160MHz, MCS1, 90pc duty cycle)	WLAN	3.79	+0.6
10638	AAD	IEEE 802.11ac WPI (160MHz, MCS2, 90pc duty cycle)	WLAN	3.86	+0.6
10639	AAD	IEEE 802.11ac WPI (160MHz, MCS3, 90pc duty cycle)	WLAN	3.85	+0.6
10640	AAD	IEEE 802.11ac WPI (160MHz, MCS4, 90pc duty cycle)	WLAN	3.86	+0.6
10641	AAD	IEEE 802.11ac WPI (160MHz, MCS5, 90pc duty cycle)	WLAN	3.86	+0.6
10642	AAD	IEEE 802.11ac WPI (160MHz, MCS6, 90pc duty cycle)	WLAN	3.06	+0.6
10643	AAD	IEEE 802.11ac WPI (160MHz, MCS7, 90pc duty cycle)	WLAN	3.09	+0.6
10644	AAD	IEEE 802.11ac WPI (160MHz, MCS8, 90pc duty cycle)	WLAN	3.06	+0.6
10645	AAD	IEEE 802.11ac WPI (160MHz, MCS9, 90pc duty cycle)	WLAN	3.11	+0.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL, Subframe=2,7)	LTE-TDD	11.06	+0.6
10647	AAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL, Subframe=2,7)	LTE-TDD	11.96	+0.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	+0.6
10652	AAF	LTE-TDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	+0.6
10653	AAF	LTE-TDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	+0.6
10654	AAE	LTE-TDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	+0.6
10655	AAE	LTE-TDD (OFDMA, 20MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	+0.6
10658	AAE	Pulse Waveform (200Hz, 10%)	Test	10.00	+0.6
10659	AAE	Pulse Waveform (200Hz, 20%)	Test	6.99	+0.6
10660	AAE	Pulse Waveform (200Hz, 40%)	Test	3.99	+0.6
10661	AAE	Pulse Waveform (200Hz, 60%)	Test	2.99	+0.6
10662	AAE	Pulse Waveform (200Hz, 80%)	Test	0.97	+0.6
10670	AAA	Bluetooth Low Energy	Bluetooth	2.73	+0.6
10671	AAC	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	3.89	+0.6
10672	AAC	IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)	WLAN	3.57	+0.6
10673	AAC	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)	WLAN	3.73	+0.6
10674	AAC	IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)	WLAN	3.74	+0.6
10675	AAC	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)	WLAN	3.86	+0.6
10676	AAC	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	3.77	+0.6
10677	AAC	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	3.73	+0.6
10678	AAC	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	3.76	+0.6
10679	AAC	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN	3.89	+0.6
10680	AAC	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	3.80	+0.6
10681	AAC	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	3.62	+0.6
10682	AAC	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	3.83	+0.6
10683	AAC	IEEE 802.11ax (20MHz, MCS12, 90pc duty cycle)	WLAN	3.82	+0.6
10684	AAC	IEEE 802.11ax (20MHz, MCS13, 90pc duty cycle)	WLAN	3.26	+0.6
10685	AAC	IEEE 802.11ax (20MHz, MCS14, 90pc duty cycle)	WLAN	3.33	+0.6
10686	AAC	IEEE 802.11ax (20MHz, MCS15, 90pc duty cycle)	WLAN	3.28	+0.6

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UID	Rev	Communication System Name	Group	PRN (dB)	Line <sup>1</sup> k = 3
10687	AAC	IEEE 802.11ax (30 MHz, MCS4, 90pc duty cycle)	WLAN	8.45	±0.8
10688	AAC	IEEE 802.11ax (30 MHz, MCS8, 90pc duty cycle)	WLAN	8.29	±0.8
10689	AAC	IEEE 802.11ax (30 MHz, MCS8, 90pc duty cycle)	WLAN	8.55	±0.8
10690	AAC	IEEE 802.11ax (30 MHz, MCS7, 90pc duty cycle)	WLAN	8.20	±0.8
10691	AAC	IEEE 802.11ax (30 MHz, MCS8, 90pc duty cycle)	WLAN	8.25	±0.8
10692	AAC	IEEE 802.11ax (30 MHz, MCS8, 90pc duty cycle)	WLAN	8.20	±0.8
10693	AAC	IEEE 802.11ax (30 MHz, MCS10, 90pc duty cycle)	WLAN	8.25	±0.8
10694	AAC	IEEE 802.11ax (30 MHz, MCS11, 90pc duty cycle)	WLAN	8.57	±0.8
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±0.8
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±0.8
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.81	±0.8
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.82	±0.8
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±0.8
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.75	±0.8
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.88	±0.8
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±0.8
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.62	±0.8
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±0.8
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±0.8
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±0.8
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.32	±0.8
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.25	±0.8
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.33	±0.8
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.35	±0.8
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.39	±0.8
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.87	±0.8
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.33	±0.8
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.28	±0.8
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.45	±0.8
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.33	±0.8
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.48	±0.8
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.24	±0.8
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.21	±0.8
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.67	±0.8
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±0.8
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±0.8
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±0.8
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±0.8
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±0.8
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±0.8
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.60	±0.8
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.69	±0.8
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.54	±0.8
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±0.8
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.42	±0.8
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.44	±0.8
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.43	±0.8
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.25	±0.8
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.33	±0.8
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.27	±0.8
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.38	±0.8
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.42	±0.8
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.29	±0.8
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.48	±0.8
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.40	±0.8
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.43	±0.8
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±0.8
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±0.8
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	9.20	±0.8
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±0.8
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±0.8
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±0.8
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.99	±0.8
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±0.8
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±0.8
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±0.8

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10753	AAC	IEEE 802.11ax (160MHz, MCS15, 99pc duty cycle)	WLAN	8.00	±0.5
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.54	±0.5
10755	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.64	±0.5
10756	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.77	±0.5
10757	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.77	±0.5
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.68	±0.5
10759	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.68	±0.5
10760	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±0.5
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±0.5
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.40	±0.5
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.55	±0.5
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±0.5
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±0.5
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±0.5
10767	AAD	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	7.99	±0.5
10768	AAD	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.01	±0.5
10769	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.01	±0.5
10770	AAD	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.02	±0.5
10771	AAD	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.02	±0.5
10772	AAD	5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.03	±0.5
10773	AAD	5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.03	±0.5
10774	AAD	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.03	±0.5
10775	AAD	5G NR (CP-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±0.5
10776	AAD	5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.30	±0.5
10777	AAD	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.30	±0.5
10778	AAD	5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.34	±0.5
10779	AAD	5G NR (CP-OFDM, 50% RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.43	±0.5
10780	AAD	5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.38	±0.5
10781	AAD	5G NR (CP-OFDM, 50% RB, 40MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.38	±0.5
10782	AAD	5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.43	±0.5
10783	AAD	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±0.5
10784	AAD	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.39	±0.5
10785	AAD	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.40	±0.5
10786	AAD	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.35	±0.5
10787	AAD	5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.44	±0.5
10788	AAD	5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.39	±0.5
10789	AAD	5G NR (CP-OFDM, 100% RB, 40MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.37	±0.5
10790	AAD	5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.39	±0.5
10791	AAD	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.80	±0.5
10792	AAD	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.92	±0.5
10793	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.95	±0.5
10794	AAD	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.92	±0.5
10795	AAD	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.84	±0.5
10796	AAD	5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.82	±0.5
10797	AAD	5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.01	±0.5
10798	AAD	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.89	±0.5
10799	AAD	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.93	±0.5
10800	AAD	5G NR (CP-OFDM, 1 RB, 60MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.89	±0.5
10801	AAD	5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.87	±0.5
10802	AAD	5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.93	±0.5
10803	AAD	5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.5
10804	AAD	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.37	±0.5
10805	AAD	5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.5
10806	AAD	5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.5
10807	AAD	5G NR (CP-OFDM, 50% RB, 40MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.5
10808	AAD	5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.38	±0.5
10809	AAD	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.35	±0.5
10810	AAD	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.5
10811	AAD	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.39	±0.5
10812	AAD	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.30	±0.5
10813	AAD	5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±0.5
10814	AAD	5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±0.5
10815	AAD	5G NR (CP-OFDM, 100% RB, 40MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.36	±0.5
10816	AAD	5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.39	±0.5
10817	AAD	5G NR (CP-OFDM, 100% RB, 60MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.42	±0.5
10818	AAD	5G NR (CP-OFDM, 100% RB, 80MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.43	±0.5





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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>k</sup> k = 2
10096	AAD	5G NR (CP-OFDM, 100% RB, 120 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±0.6
10090	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.65	±0.6
10091	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±0.6
10092	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±0.6
10093	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±0.6
10094	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±0.6
10095	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±0.6
10096	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.55	±0.6
10097	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.60	±0.6
10098	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±0.6
10099	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.97	±0.6
10100	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±0.6
10101	AAD	5G NR (CP-OFDM, 60% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.43	±0.6
10102	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±0.6
10103	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±0.6
10104	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±0.6
10105	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±0.6
10106	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±0.6
10107	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±0.6
10108	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.38	±0.6
10109	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±0.6
10110	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±0.6
10111	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±0.6
10112	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.61	±0.6
10113	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±0.6
10114	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±0.6
10115	AAD	5G NR (CP-OFDM, 100% RB, 150 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.65	±0.6
10116	AAD	5G NR (CP-OFDM, 100% RB, 200 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±0.6
10117	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±0.6
10118	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.85	±0.6
10119	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	5.75	±0.6
10120	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	5.52	±0.6
10121	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.41	±0.6
10122	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.45	±0.6
10123	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±0.6
10124	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±0.6
10125	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	7.25	±0.6
10126	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	8.41	±0.6
10127	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±0.6
10128	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±0.6
10129	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±0.6
10130	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.98	±0.6
10131	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	6.57	±0.6
10132	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	6.53	±0.6
10133	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±0.6
10134	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.66	±0.6
10135	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.76	±0.6
10136	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±0.6
10137	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	8.02	±0.6
10138	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	8.40	±0.6
10139	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±0.6
10140	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±0.6
10141	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.65	±0.6
10142	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.97	±0.6
10143	AAD	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.97	±0.6
10144	AAD	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.88	±0.6
10145	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±0.6
10146	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±0.6
10147	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±0.6
10148	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±0.6
10149	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.88	±0.6
10150	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.88	±0.6
10151	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±0.6
10152	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±0.6
10153	AAD	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±0.6
10154	AAD	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±0.6

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Mod	Mod	Communication System Name	Group	PAR (dB)	Use# k = 2
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 56MHz, QPSK, 30kHz)	5G NR FRI TDD	5.93	±0.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 56MHz, QPSK, 30kHz)	5G NR FRI TDD	5.84	±0.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40MHz, QPSK, 30kHz)	5G NR FRI TDD	5.84	±0.6
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50MHz, QPSK, 30kHz)	5G NR FRI TDD	5.85	±0.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60MHz, QPSK, 30kHz)	5G NR FRI TDD	5.83	±0.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 60MHz, QPSK, 30kHz)	5G NR FRI TDD	5.87	±0.6
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100MHz, QPSK, 30kHz)	5G NR FRI TDD	5.84	±0.6
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FRI TDD	5.86	±0.6
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 30kHz)	5G NR FRI TDD	5.86	±0.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 30kHz)	5G NR FRI TDD	5.87	±0.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 30kHz)	5G NR FRI TDD	5.84	±0.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 30kHz)	5G NR FRI TDD	5.82	±0.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 30kHz)	5G NR FRI TDD	5.84	±0.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40MHz, QPSK, 30kHz)	5G NR FRI TDD	5.84	±0.6
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 30kHz)	5G NR FRI TDD	5.95	±0.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60MHz, QPSK, 30kHz)	5G NR FRI TDD	5.84	±0.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80MHz, QPSK, 30kHz)	5G NR FRI TDD	5.94	±0.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20MHz, QPSK, 15kHz)	5G NR FRI FDD	5.91	±0.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25MHz, QPSK, 15kHz)	5G NR FRI FDD	5.91	±0.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30MHz, QPSK, 15kHz)	5G NR FRI FDD	5.91	±0.6
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40MHz, QPSK, 15kHz)	5G NR FRI FDD	5.91	±0.6
10935	AAC	5G NR (DFT-s-OFDM, 1 RB, 50MHz, QPSK, 15kHz)	5G NR FRI FDD	5.91	±0.6
10936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10943	AAC	5G NR (DFT-s-OFDM, 50% RB, 50MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FRI FDD	5.91	±0.6
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz)	5G NR FRI FDD	5.94	±0.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40MHz, QPSK, 15kHz)	5G NR FRI FDD	5.94	±0.6
10951	AAC	5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz)	5G NR FRI FDD	5.92	±0.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR FRI FDD	6.25	±0.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz)	5G NR FRI FDD	6.15	±0.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR FRI FDD	6.23	±0.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)	5G NR FRI FDD	6.42	±0.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz)	5G NR FRI FDD	6.14	±0.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)	5G NR FRI FDD	6.31	±0.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	5G NR FRI FDD	6.61	±0.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)	5G NR FRI FDD	6.33	±0.6
10960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR FRI TDD	6.32	±0.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz)	5G NR FRI TDD	6.36	±0.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR FRI TDD	6.45	±0.6
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)	5G NR FRI TDD	6.55	±0.6
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz)	5G NR FRI TDD	6.39	±0.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)	5G NR FRI TDD	6.37	±0.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	5G NR FRI TDD	6.55	±0.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)	5G NR FRI TDD	6.42	±0.6
10968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100MHz, 64-QAM, 30kHz)	5G NR FRI TDD	6.46	±0.6
10970	AAB	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 15kHz)	5G NR FRI TDD	11.56	±0.6
10975	AAB	5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 30kHz)	5G NR FRI TDD	6.06	±0.6
10974	AAB	5G NR (CP-OFDM, 1 RB, 100MHz, 256-QAM, 30kHz)	5G NR FRI TDD	10.28	±0.6
10976	AAA	ULLA B2R	ULLA	1.16	±0.6
10979	AAA	ULLA HDRM	ULLA	6.56	±0.6
10980	AAA	ULLA HDRB	ULLA	10.32	±0.6
10981	AAA	ULLA HDRp4	ULLA	5.19	±0.6
10982	AAA	ULLA HDRp8	ULLA	5.49	±0.6

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IID	Rev	Communication System Details	Group	PAR (dB)	Unc <sup>2</sup> A = 2
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 48MHz, 64-QAM, 15kHz)	5G NR FRI TDD	9.51	±0.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 56MHz, 64-QAM, 15kHz)	5G NR FRI TDD	9.42	±0.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 48MHz, 64-QAM, 30kHz)	5G NR FRI TDD	9.54	±0.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 56MHz, 64-QAM, 30kHz)	5G NR FRI TDD	9.50	±0.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60MHz, 64-QAM, 30kHz)	5G NR FRI TDD	9.53	±0.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70MHz, 64-QAM, 30kHz)	5G NR FRI TDD	9.38	±0.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80MHz, 64-QAM, 30kHz)	5G NR FRI TDD	9.33	±0.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90MHz, 64-QAM, 30kHz)	5G NR FRI TDD	9.52	±0.6
11000	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 15kHz)	5G NR FRI TDD	10.06	±0.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 30kHz)	5G NR FRI TDD	10.79	±0.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)	5G NR FRI FDD	9.70	±0.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 15kHz)	5G NR FRI FDD	9.55	±0.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 15kHz)	5G NR FRI FDD	9.45	±0.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 15kHz)	5G NR FRI FDD	9.51	±0.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25MHz, 64-QAM, 30kHz)	5G NR FRI FDD	9.78	±0.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 30kHz)	5G NR FRI FDD	9.95	±0.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 48MHz, 64-QAM, 30kHz)	5G NR FRI FDD	9.96	±0.6
11013	AAA	5G NR DL (CP-OFDM, TM 3.1, 66MHz, 64-QAM, 30kHz)	5G NR FRI FDD	9.68	±0.6
11013	AAA	IEEE 802.11be (320MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±0.6
11014	AAA	IEEE 802.11be (320MHz, MCS2, 99pc duty cycle)	WLAN	8.48	±0.6
11015	AAA	IEEE 802.11be (320MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±0.6
11016	AAA	IEEE 802.11be (320MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±0.6
11017	AAA	IEEE 802.11be (320MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±0.6
11018	AAA	IEEE 802.11be (320MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±0.6
11019	AAA	IEEE 802.11be (320MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±0.6
11020	AAA	IEEE 802.11be (320MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±0.6
11021	AAA	IEEE 802.11be (320MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±0.6
11022	AAA	IEEE 802.11be (320MHz, MCS10, 99pc duty cycle)	WLAN	8.39	±0.6
11023	AAA	IEEE 802.11be (320MHz, MCS11, 99pc duty cycle)	WLAN	8.29	±0.6
11024	AAA	IEEE 802.11be (320MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±0.6
11025	AAA	IEEE 802.11be (320MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±0.6
11026	AAA	IEEE 802.11be (320MHz, MCS14, 99pc duty cycle)	WLAN	8.39	±0.6

² Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.