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Appendix A. Calibration certificate
Appendix A.1 Probe Calibration certificate (EX3DV4_7770)

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




S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
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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

Client
Eurofins KCTL
 Gyeonggi-do, Republic of Korea

Certificate No.
EX-7770_Nov24

CALIBRATION CERTIFICATE

Object
 EX3DV4 - SN:7770

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
 November 22, 2024

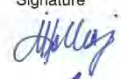
This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

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 NRP2	SN: 104778	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
OCP DAK-3.5 (weighted)	SN: 1249	23-Sep-24 (OCP-DAK3.5-1249_Sep24)	Sep-25
OCP DAK-12	SN: 1016	24-Sep-24 (OCP-DAK12-1016_Sep24)	Sep-25
Reference 20 dB Attenuator	SN: CC2552 (20x)	26-Mar-24 (No. 217-04046)	Mar-25
DAE4	SN: 660	23-Feb-24 (No. DAE4-660_Feb24)	Feb-25
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349_Jun24)	Jun-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-24)	In house check: Jun-26
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Sep-24)	In house check: Sep-26

	Name	Function	Signature
Calibrated by	Joanna Lleshaj	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	

Issued: November 22, 2024

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

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Glossary

TSL	tissue simulating liquid
NORM _{x,y,z}	sensitivity in free space
ConvF	sensitivity in TSL / NORM _{x,y,z}
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization θ	θ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\theta = 0$ is normal to probe axis
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:

- 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.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORM_{x,y,z}**: Assessed for E-field polarization $\theta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORM_{x,y,z} are only intermediate values, i.e., the uncertainties of NORM_{x,y,z} does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)_{x,y,z} = NORM_{x,y,z} * frequency_response** (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCP_{x,y,z}**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; D_{x,y,z}; VR_{x,y,z}**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters**: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800$ 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_{x,y,z} * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy)**: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the NORM_x (no uncertainty required).

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Parameters of Probe: EX3DV4 - SN:7770

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.47	0.52	0.55	±10.1%
DCP (mV) ^B	105.3	104.8	102.6	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB $\sqrt{\mu\text{V}}$	C	D dB	VR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	119.1	±2.1%	±4.7%
		Y	0.00	0.00	1.00		137.8		
		Z	0.00	0.00	1.00		130.2		
10352	Pulse Waveform (200Hz, 10%)	X	1.39	60.00	6.14	10.00	60.0	±2.7%	±9.6%
		Y	1.65	61.35	6.90		60.0		
		Z	1.65	61.32	6.83		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	0.79	60.00	4.98	6.99	80.0	±2.1%	±9.6%
		Y	0.79	60.00	5.13		80.0		
		Z	0.78	60.00	5.02		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	0.02	124.94	0.56	3.98	95.0	±2.6%	±9.6%
		Y	0.00	123.94	2.19		95.0		
		Z	0.22	144.59	0.01		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	9.10	115.56	1.38	2.22	120.0	±1.4%	±9.6%
		Y	0.40	60.00	2.77		120.0		
		Z	8.66	130.69	9.75		120.0		
10387	QPSK Waveform, 1 MHz	X	0.61	67.18	15.04	1.00	150.0	±3.0%	±9.6%
		Y	0.58	63.50	12.52		150.0		
		Z	0.69	67.54	15.19		150.0		
10388	QPSK Waveform, 10 MHz	X	1.49	68.69	15.18	0.00	150.0	±0.9%	±9.6%
		Y	1.36	65.56	13.98		150.0		
		Z	1.54	68.27	15.37		150.0		
10396	64-QAM Waveform, 100 kHz	X	1.61	63.95	15.70	3.01	150.0	±1.1%	±9.6%
		Y	1.56	63.13	15.24		150.0		
		Z	1.69	64.53	16.01		150.0		
10399	64-QAM Waveform, 40 MHz	X	2.79	66.81	15.47	0.00	150.0	±1.2%	±9.6%
		Y	2.82	65.99	15.02		150.0		
		Z	2.93	67.02	15.68		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.80	66.90	15.69	0.00	150.0	±2.0%	±9.6%
		Y	3.99	66.40	15.54		150.0		
		Z	3.88	66.49	15.66		150.0		

Note: For details on UID parameters see Appendix

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

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

^B Linearization parameter uncertainty for maximum specified field strength.

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

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Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 msV^{-2}	T2 msV^{-1}	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
x	7.8	55.99	33.20	2.34	0.00	4.90	0.38	0.00	1.00
y	10.5	76.06	33.72	2.58	0.00	4.91	0.22	0.00	1.00
z	9.2	67.03	34.22	1.72	0.00	4.90	0.42	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	15.7°
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.

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Parameters of Probe: EX3DV4 - SN:7770

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
750	41.9	0.89	8.27	8.37	8.89	0.37	1.27	±11.0%
850	41.5	0.92	7.93	8.03	8.52	0.36	1.27	±11.0%
900	41.5	0.97	7.77	7.86	8.35	0.36	1.27	±11.0%
1750	40.1	1.37	7.05	7.14	7.58	0.35	1.27	±11.0%
1900	40.0	1.40	6.81	6.90	7.32	0.35	1.27	±11.0%
2300	39.5	1.67	6.66	6.74	7.16	0.35	1.27	±11.0%
2450	39.2	1.80	6.48	6.55	6.96	0.34	1.27	±11.0%
2600	39.0	1.96	6.37	6.45	6.85	0.34	1.27	±11.0%
5250	35.9	4.71	5.19	5.25	5.57	0.30	1.27	±13.1%
5600	35.5	5.07	4.70	4.76	5.05	0.28	1.27	±13.1%
5800	35.3	5.27	4.67	4.73	5.02	0.26	1.27	±13.1%

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

^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

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

^H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

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Parameters of Probe: EX3DV4 - SN:7770

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
6500	34.5	6.07	4.96	5.02	5.33	0.20	1.27	±18.6%

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

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

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

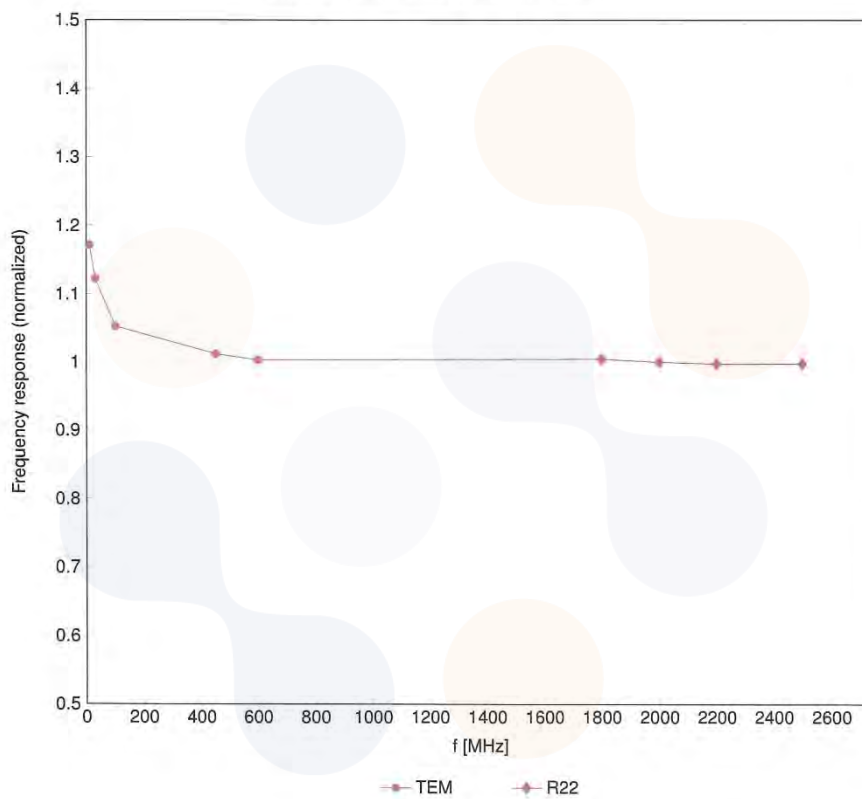
^H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

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Frequency Response of E-Field

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

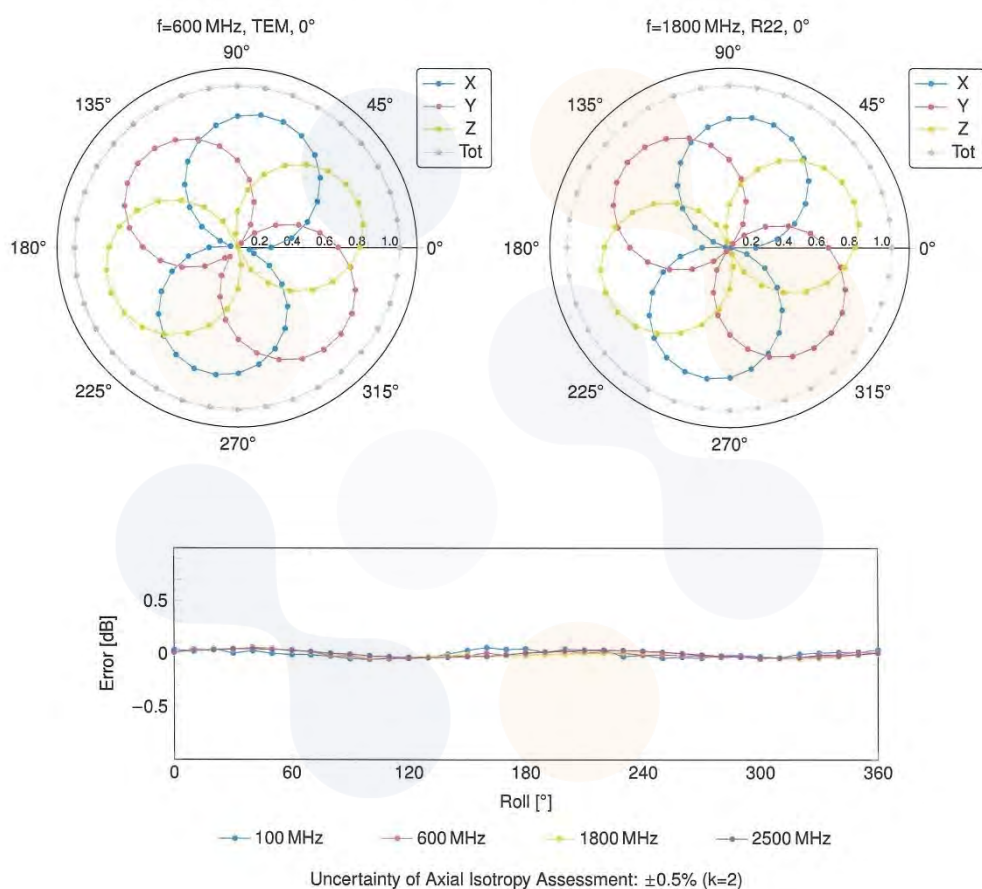


Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ (k=2)

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

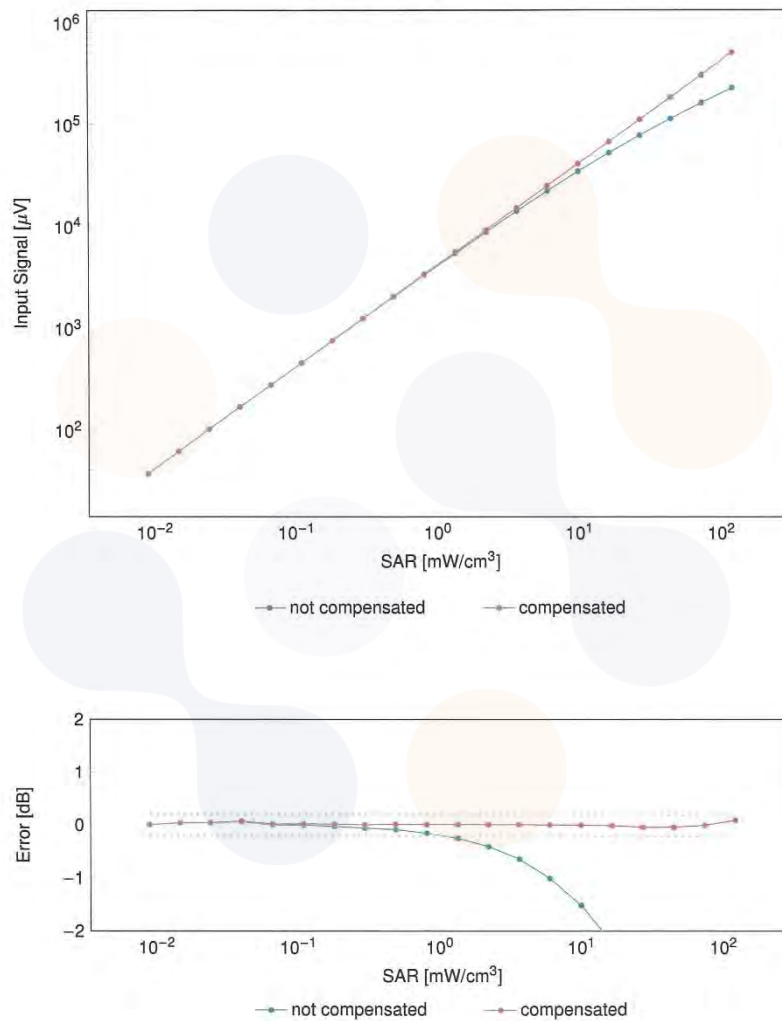


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Dynamic Range $f(\text{SAR}_{\text{head}})$

(TEM cell, $f_{\text{eval}} = 1900\text{MHz}$)

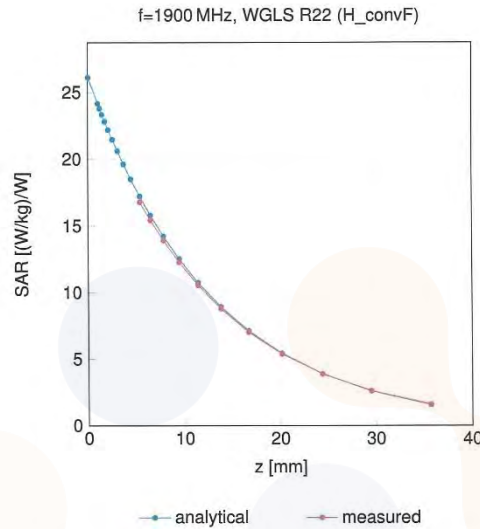


Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

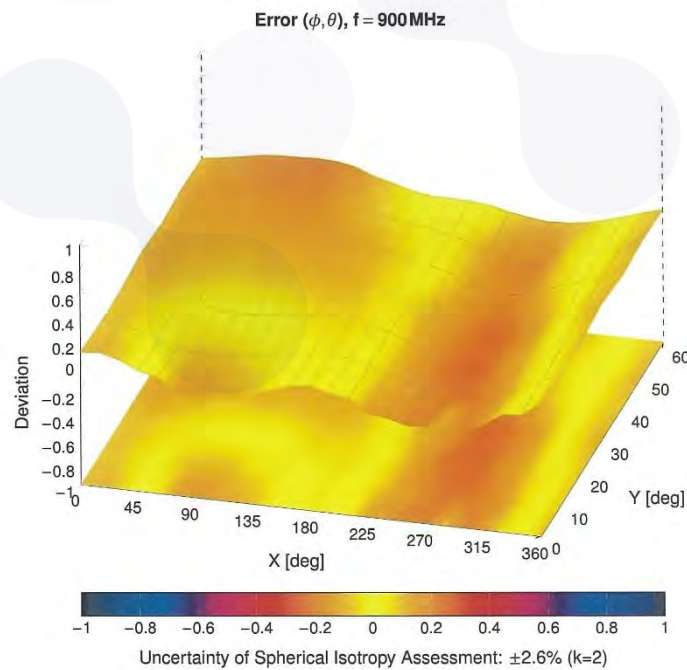
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Conversion Factor Assessment



Deviation from Isotropy in Liquid



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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Half-rate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Full-rate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	AAJ	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
10223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
10224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

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10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Roll-off 0.5)	PHS	11.81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Roll-off 0.38)	PHS	12.18	±9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10301	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WiMAX	12.57	±9.6
10303	AAA	IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	±9.6
10304	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.86	±9.6
10305	AAA	IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	±9.6
10306	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^k k = 2
10307	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	±9.6
10308	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	±9.6
10310	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAA	IDEN 1:3	IDEN	10.51	±9.6
10314	AAA	IDEN 1:6	iDEN	13.48	±9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAF	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RCS, SC32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)	WLAN	8.19	±9.6
10422	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAD	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAD	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10460	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
10463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10471	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6

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10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10540	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

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10541	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10600	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10601	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
10604	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
10605	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10606	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10607	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
10608	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

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10609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10638	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
10639	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10641	AAE	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
10658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6

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10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAF	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10827	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

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10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10897	AAE	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10900	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10907	AAE	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
10910	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAE	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10963	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10973	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
10978	AAA	ULLA BDR	ULLA	1.16	±9.6
10979	AAA	ULLA HDR4	ULLA	8.58	±9.6
10980	AAA	ULLA HDR8	ULLA	10.32	±9.6
10981	AAA	ULLA HDRp4	ULLA	3.19	±9.6
10982	AAA	ULLA HDRp8	ULLA	3.43	±9.6

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November 22, 2024

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

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

Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea TEL: 82-70-5008-1021 FAX: 82-505-299-8311 www.kctl.co.kr	Report No.: KR25-SPF0016-B Page (59) of (127)	 
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Appendix A.2 Probe Calibration certificate (EX3DV4_7772)

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 0108

Client

Eurofins KCTL

Gyeonggi-do, Republic of Korea

Certificate No.

EX-7772_Sep24

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7772

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

September 23, 2024

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 NRP2	SN: 104778	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249_Oct23)	Oct-24
OCP DAK-12	SN: 1016	05-Oct-23 (OCP-DAK12-1016_Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	26-Mar-24 (No. 217-04046)	Mar-25
DAE4	SN: 660	23-Feb-24 (No. DAE4-660_Feb24)	Feb-25
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349_Jun24)	Jun-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-24)	In house check: Jun-26
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

	Name	Function	Signature
Calibrated by	Joanna Lleshaj	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	
			Issued: September 23, 2024
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.			

Certificate No: EX-7772_Sep24

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Calibration Laboratory of

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Accreditation No.: SCS 0108

Glossary

TSL	tissue simulating liquid
$NORM_{x,y,z}$	sensitivity in free space
ConvF	sensitivity in TSL: $NORM_{x,y,z}$
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization θ	θ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\theta = 0$ is normal to probe axis
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:

- 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.
- KDE 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- $NORM_{x,y,z}$: Assessed for E-field polarization $\theta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1600$ MHz: R22 waveguide). $NORM_{x,y,z}$ are only intermediate values; i.e., the uncertainties of $NORM_{x,y,z}$ does not affect the E-field uncertainty inside TSL (see below ConvF).
- $NORM(f)_{x,y,z} = NORM_{x,y,z} \cdot \text{frequency_response}$ (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.
- $DCP_{x,y,z}$: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- $A_{x,y,z}$; $B_{x,y,z}$; $C_{x,y,z}$; $D_{x,y,z}$; $VR_{x,y,z}$: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signals. 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 for 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 $NORM_{x,y,z} \cdot \text{ConvF}$ 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 150 MHz to 100 MHz.
- Spherical Isotropy (3D deviation from isotropy): In a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the $NORM_{x,y,z}$ (no uncertainty required).

EX3DV4 - SN:7772

September 23, 2024

Parameters of Probe: EX3DV4 - SN:7772

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ($\mu\text{V}/(\text{V/m})^2$) ^A	0.50	0.53	0.52	$\pm 10.1\%$
DCP (mV) ^B	101.4	103.9	105.8	$\pm 4.7\%$

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB/ $\sqrt{\mu\text{V}}$	C	D dB	VR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	125.5	$\pm 1.8\%$	$\pm 4.7\%$
		Y	0.00	0.00	1.00		118.9		
		Z	0.00	0.00	1.00		130.8		
10352	Pulse Waveform (200Hz, 10%)	X	1.48	60.54	6.25	10.00	60.0	$\pm 2.8\%$	$\pm 9.6\%$
		Y	1.50	60.68	6.35		60.0		
		Z	1.75	61.90	7.26		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	74.00	9.00	6.99	80.0	$\pm 2.3\%$	$\pm 9.6\%$
		Y	0.53	60.00	4.99		80.0		
		Z	0.81	60.00	5.29		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	1.00	115.67	1.48	3.98	95.0	$\pm 2.3\%$	$\pm 9.6\%$
		Y	0.46	60.00	3.92		95.0		
		Z	62.00	78.00	9.00		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	2.92	159.39	3.23	2.22	120.0	$\pm 1.6\%$	$\pm 9.6\%$
		Y	0.32	60.00	3.16		120.0		
		Z	8.76	159.32	14.20		120.0		
10387	QPSK Waveform, 1 MHz	X	0.49	62.50	11.94	1.00	150.0	$\pm 2.7\%$	$\pm 9.6\%$
		Y	0.69	69.12	16.12		150.0		
		Z	0.49	63.83	12.90		150.0		
10388	QPSK Waveform, 10 MHz	X	1.27	65.15	13.59	0.00	150.0	$\pm 1.0\%$	$\pm 9.6\%$
		Y	1.59	69.53	15.89		150.0		
		Z	1.31	66.59	14.17		150.0		
10396	64-QAM Waveform, 100 kHz	X	1.50	62.43	14.91	3.01	150.0	$\pm 1.2\%$	$\pm 9.6\%$
		Y	1.76	65.38	16.27		150.0		
		Z	1.58	63.75	15.62		150.0		
10399	64-QAM Waveform, 40 MHz	X	2.76	65.80	14.95	0.00	150.0	$\pm 1.2\%$	$\pm 9.6\%$
		Y	2.92	67.33	15.82		150.0		
		Z	2.77	66.47	15.25		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.88	66.26	15.47	0.00	150.0	$\pm 2.0\%$	$\pm 9.6\%$
		Y	3.83	66.69	15.72		150.0		
		Z	3.85	66.77	15.63		150.0		

Note: For details on UID parameters see Appendix

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

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

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Parameters of Probe: EX3DV4 - SN:7772**Sensor Model Parameters**

	C1 fF	C2 fF	α V^{-1}	T1 $ms V^{-2}$	T2 $ms V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
x	9.5	70.59	35.07	2.13	0.00	4.90	0.00	0.03	1.00
y	8.6	61.97	33.46	4.92	0.00	4.90	0.66	0.00	1.00
z	8.4	61.19	33.73	3.99	0.00	4.94	0.29	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	14.4°
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.

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Parameters of Probe: EX3DV4 - SN:7772

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
6	55.0	0.75	14.85	14.29	15.45	0.00	1.25	±13.3%
13	55.0	0.75	14.70	14.15	15.29	0.00	1.25	±13.3%
750	41.9	0.89	8.16	8.02	8.55	0.36	1.27	±11.0%
850	41.5	0.92	7.96	7.82	8.34	0.36	1.27	±11.0%
900	41.5	0.97	7.90	7.76	8.28	0.36	1.27	±11.0%
1750	40.1	1.37	7.45	7.32	7.81	0.35	1.27	±11.0%
1900	40.0	1.40	7.29	7.17	7.65	0.35	1.27	±11.0%
2300	39.5	1.67	6.74	6.62	7.07	0.34	1.27	±11.0%
2450	39.2	1.80	6.65	6.54	6.97	0.34	1.27	±11.0%
2600	39.0	1.96	6.62	6.50	6.94	0.34	1.27	±11.0%
5250	35.9	4.71	5.26	5.17	5.52	0.30	1.27	±13.1%
5600	35.5	5.07	4.80	4.72	5.03	0.27	1.27	±13.1%
5800	35.3	5.27	4.72	4.64	4.95	0.26	1.27	±13.1%

^C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–8 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 6 GHz frequency validity can be extended to ±110 MHz.

^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

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

^H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1529:2020.

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September 23, 2024

Parameters of Probe: EX3DV4 - SN:7772

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
6500	34.5	6.07	4.78	4.70	5.01	0.20	1.27	±18.6%

^C Frequency validity at 6.5 GHz is ±600 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

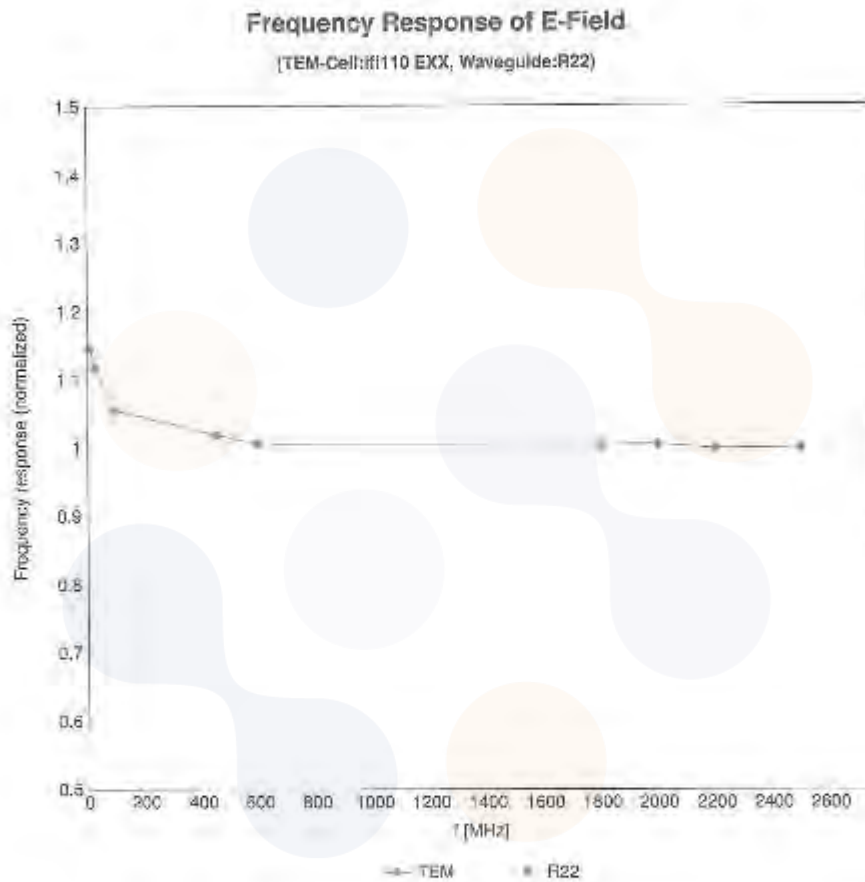
^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ' and σ by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.

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

^H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1526:2020.

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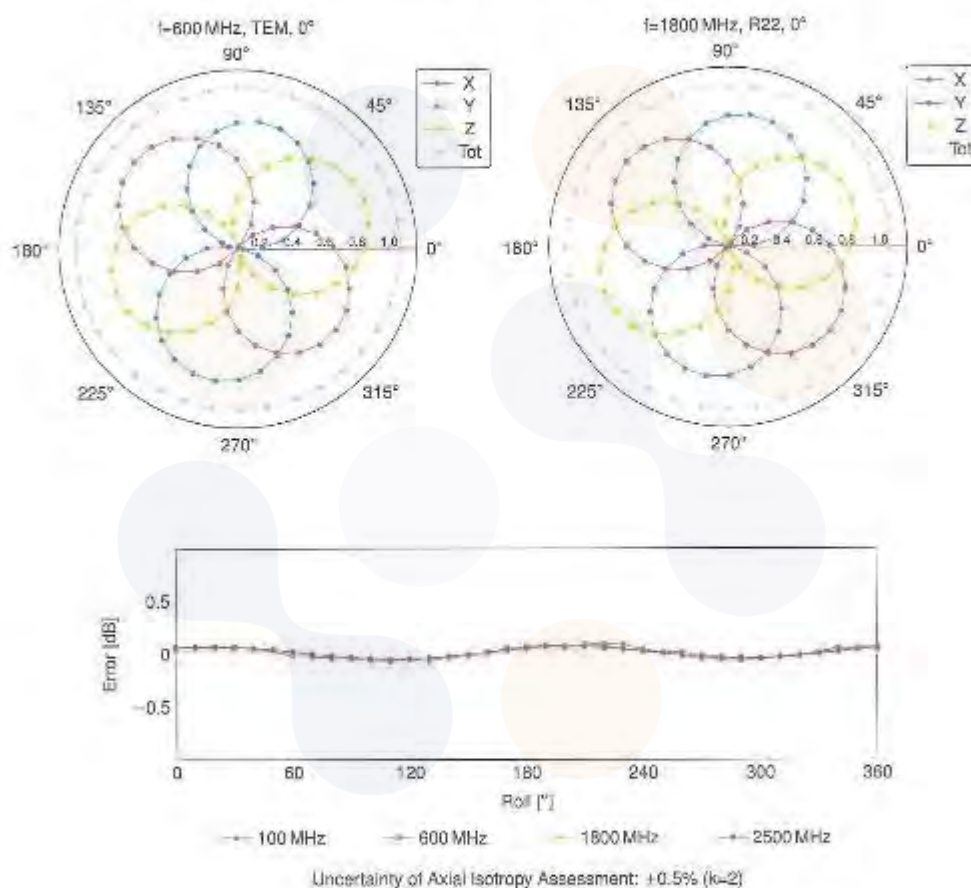
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Uncertainty of Frequency Response of E-field: $\pm 0.3\%$ (K=2)

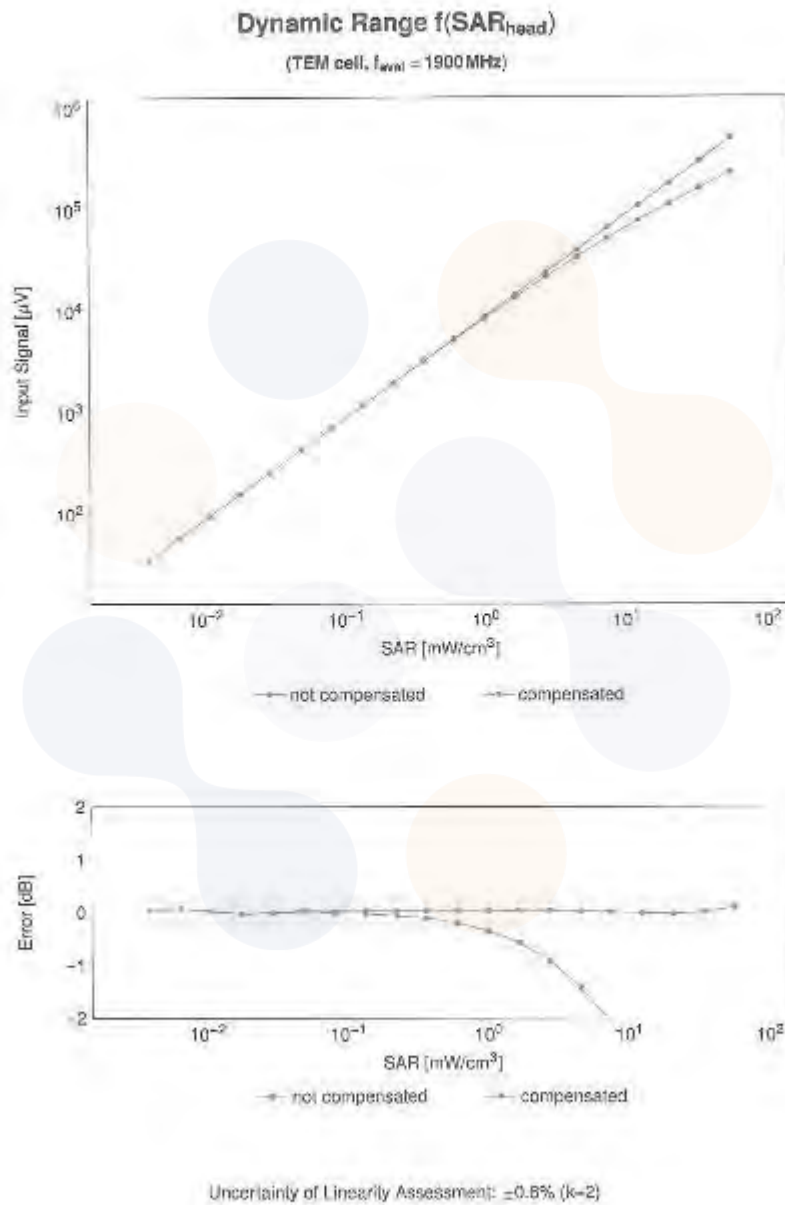
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Receiving Pattern (ϕ), $\theta = 0^\circ$ 

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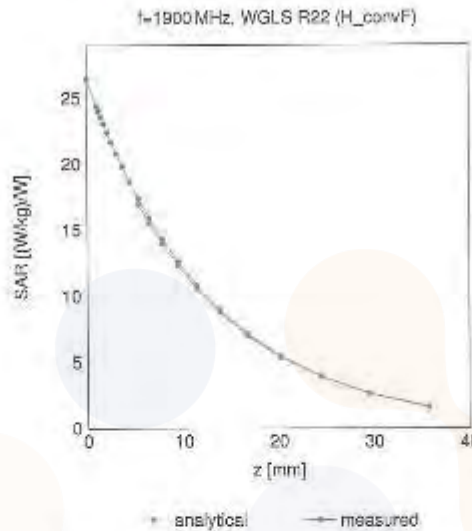
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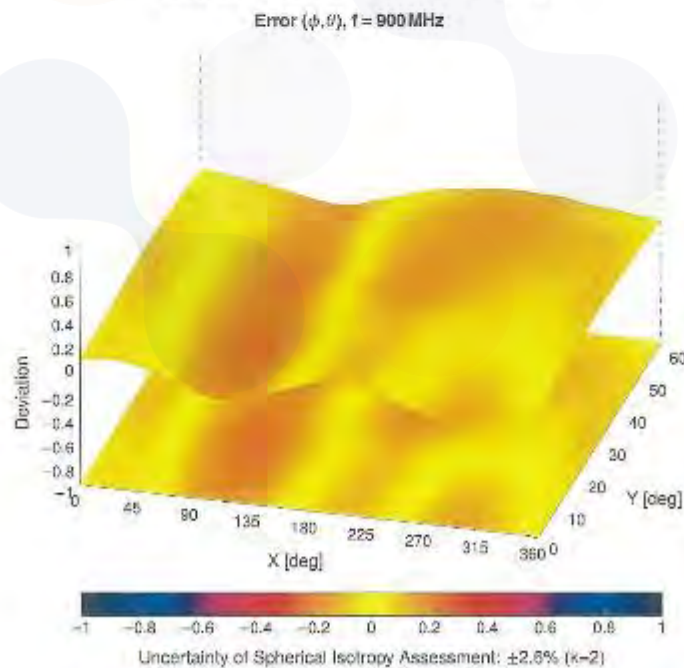
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Conversion Factor Assessment



Deviation from Isotropy in Liquid



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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.5
10011	CAC	UMTS FDD (WCDMA)	WCDMA	2.91	±9.5
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.5
10012	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.8
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.8
10022	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.8
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	9.56	±9.8
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.52	±9.8
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.8
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.8
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.8
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.8
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.80	±9.8
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.8
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.8
10033	CAA	IEEE 802.15.1 Bluetooth (Pi4-DQPSK, DH1)	Bluetooth	7.74	±9.8
10034	CAA	IEEE 802.15.1 Bluetooth (Pi4-DQPSK, DH3)	Bluetooth	4.33	±9.8
10035	CAA	IEEE 802.15.1 Bluetooth (Pi4-DQPSK, DH5)	Bluetooth	3.83	±9.8
10036	CAA	IEEE 802.15.1 Bluetooth (8-OPSK, DH1)	Bluetooth	8.31	±9.8
10037	CAA	IEEE 802.15.1 Bluetooth (8-OPSK, DH3)	Bluetooth	4.77	±9.8
10038	CAA	IEEE 802.15.1 Bluetooth (8-OPSK, DH5)	Bluetooth	4.10	±9.8
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.8
10042	CAB	IS-64 / IS-136 FDD (TDMA/FDM, Pi4-DQPSK, Fullrate)	AMPS	7.78	±9.8
10044	CAA	IS-91/IS-136 FDD (TDMA/FDM, Fullrate)	AMPS	0.00	±9.8
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.8
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.8
10058	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mbps)	TD-SCDMA	11.01	±9.8
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.8
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.8
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.8
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.80	±9.8
10062	CAE	IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.88	±9.8
10063	CAE	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.83	±9.8
10064	CAE	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.8
10065	CAE	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.8
10066	CAE	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.98	±9.8
10067	CAE	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.8
10068	CAE	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.8
10069	CAE	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.8
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.8
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.02	±9.8
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.8
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.8
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.8
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.8
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.8
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.8
10082	CAB	IS-64 / IS-136 FDD (TDMA/FDM, Pi4-DQPSK, Fullrate)	AMPS	4.77	±9.8
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.8
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.88	±9.8
10098	CAC	UMTS-FDD (HSUPA, Subcat 2)	WCDMA	3.88	±9.8
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.8
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.8
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.8
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	8.60	±9.8
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.8
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.8
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.8
10106	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.90	±9.8
10106	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.8
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.8
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.8

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**KCTL**

EX3DVA - SN:7772

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UID	Rev	Communication System Name	Group	FAR (dB)	Unc F _k = 2
10112	CAF	LTE-FDD (SC-FDMA, 100% RB, 10MHz, 64-QAM)	LTE-FDD	8.50	±9.6
10113	CAF	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-FDD	8.82	±9.6
10114	CAE	IEEE 802.11n (HT Greenfield, 30Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 60Mbps, 16-QAM)	WLAN	8.48	±9.6
10116	CAE	IEEE 802.11n (HT Greenfield, 150Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 15.5Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 31Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	IEEE 802.11n (HT Mixed, 150Mbps, 64-QAM)	WLAN	8.19	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	LTE-FDD	6.46	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-FDD	3.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-FDD	3.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-FDD	3.65	±9.6
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM)	LTE-FDD	5.41	±9.6
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM)	LTE-FDD	6.22	±9.6
10148	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 16-QAM)	LTE-FDD	6.28	±9.6
10151	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, QPSK)	LTE-FDD	5.07	±9.6
10152	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 16-QAM)	LTE-FDD	5.05	±9.6
10153	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 64-QAM)	LTE-FDD	5.75	±9.6
10154	CAF	LTE-FDD (SC-FDMA, 50% RB, 10MHz, QPSK)	LTE-FDD	6.40	±9.6
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10MHz, 16-QAM)	LTE-FDD	5.70	±9.6
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-FDD	6.46	±9.6
10157	CAF	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)	LTE-FDD	6.62	±9.6
10158	CAF	LTE-FDD (SC-FDMA, 50% RB, 10MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10159	CAF	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-FDD	5.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)	LTE-FDD	5.58	±9.6
10163	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, QPSK)	LTE-FDD	5.43	±9.6
10164	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10165	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM)	LTE-FDD	5.79	±9.6
10166	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, QPSK)	LTE-FDD	5.73	±9.6
10167	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10168	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-FDD	6.40	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, QPSK)	LTE-FDD	5.21	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)	LTE-FDD	5.46	±9.6
10171	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-FDD	10.25	±9.6
10172	CAF	LTE-FDD (SC-FDMA, 1 RB, 10MHz, QPSK)	LTE-FDD	5.75	±9.6
10173	CAF	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 16-QAM)	LTE-FDD	6.02	±9.6
10174	CAF	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)	LTE-FDD	5.73	±9.6
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	5.32	±9.6
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-FDD	6.30	±9.6
10177	CAF	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10178	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-FDD	5.72	±9.6
10179	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-FDD	5.32	±9.6
10180	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-FDD	5.73	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10183	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)	LTE-FDD	6.50	±9.6
10186	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-FDD	5.73	±9.6
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-FDD	6.52	±9.6
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)	LTE-FDD	6.50	±9.6
10189	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10190	CAF	IEEE 802.11n (HT Greenfield, 6.5Mbps, BPSK)	WLAN	8.03	±9.6
10191	CAF	IEEE 802.11n (HT Greenfield, 13Mbps, 16-QAM)	WLAN	8.17	±9.6
10192	CAF	IEEE 802.11n (HT Greenfield, 26Mbps, 64-QAM)	WLAN	8.27	±9.6
10193	CAF	IEEE 802.11n (HT Mixed, 5.5Mbps, BPSK)	WLAN	8.10	±9.6
10194	CAF	IEEE 802.11n (HT Mixed, 11Mbps, 16-QAM)	WLAN	8.10	±9.6
10195	CAF	IEEE 802.11n (HT Mixed, 22Mbps, 64-QAM)	WLAN	8.27	±9.6
10196	CAF	IEEE 802.11n (HT Mixed, 43.3Mbps, BPSK)	WLAN	8.03	±9.6
10197	CAF	IEEE 802.11n (HT Mixed, 86.6Mbps, 16-QAM)	WLAN	8.48	±9.6
10198	CAF	IEEE 802.11n (HT Mixed, 173.2Mbps, 64-QAM)	WLAN	8.08	±9.6
10199	CAF	IEEE 802.11n (HT Mixed, 43.3Mbps, BPSK)	WLAN	8.03	±9.6
10200	CAF	IEEE 802.11n (HT Mixed, 86.6Mbps, 16-QAM)	WLAN	8.27	±9.6
10201	CAF	IEEE 802.11n (HT Mixed, 173.2Mbps, 64-QAM)	WLAN	8.03	±9.6
10202	CAF	IEEE 802.11n (HT Mixed, 43.3Mbps, BPSK)	WLAN	8.03	±9.6
10203	CAF	IEEE 802.11n (HT Mixed, 86.6Mbps, 16-QAM)	WLAN	8.48	±9.6
10204	CAF	IEEE 802.11n (HT Mixed, 173.2Mbps, 64-QAM)	WLAN	8.08	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^k k = 2
10225	CAC	UMTS-FDD (FSPA-)	WCDMA	5.97	±9.5
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.5
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.5
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.5
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.5
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.5
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.5
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.49	±9.5
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.5
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.5
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.5
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.5
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.5
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.5
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.5
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.5
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.62	±9.5
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.5
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.45	±9.5
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.5
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.5
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.5
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.5
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.5
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.5
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.5
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.5
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.5
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.5
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.5
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.5
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.5
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.5
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.5
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.99	±9.5
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.5
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.5
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.5
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.5
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.5
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.5
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.5
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.5
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.5
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.5
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.5
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel.10)	WCDMA	4.87	±9.5
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel.4)	WCDMA	3.96	±9.5
10277	CAA	PHS (QPSK)	PHS	11.81	±9.5
10278	CAA	PHS (QPSK, BW 864 MHz, Roll-off 0.5)	PHS	11.81	±9.5
10279	CAA	PHS (QPSK, BW 864 MHz, Roll-off 0.35)	PHS	12.13	±9.5
10280	AAB	CDMA2000, RC1, SOSS, Full Rate	CDMA2000	3.91	±9.5
10281	AAB	CDMA2000, RC3, SOSS, Full Rate	CDMA2000	3.48	±9.5
10282	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.5
10283	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.5
10285	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 Ir	CDMA2000	12.49	±9.5
10287	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.5
10296	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.5
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.38	±9.5
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.5
10301	AAA	IEEE 802.16e WiMAX (20.18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.5
10302	AAA	IEEE 802.16e WiMAX (20.18, 5 ms, 10 MHz, QPSK, PUSC, 8 CTRL symbols)	WiMAX	12.57	±9.5
10303	AAA	IEEE 802.16e WiMAX (31.15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	±9.5
10304	AAA	IEEE 802.16e WiMAX (20.18, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.88	±9.5
10305	AAA	IEEE 802.16e WiMAX (31.15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	±9.5
10306	AAA	IEEE 802.16e WiMAX (20.18, 10 ms, 10 MHz, 64QAM, PUSC, 19 symbols)	WiMAX	14.67	±9.5

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10307	AAA	IEEE 802.15e WIMAX (25.18, 10 ms, 10 MHz, QPSK, PUSC, 16 symbols)	WIMAX	14.45	±0.5
10308	AAA	IEEE 802.15e WIMAX (25.18, 10 ms, 10 MHz, 16QAM, FUSC)	WIMAX	14.45	±0.5
10309	AAA	IEEE 802.15e WIMAX (25.18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 16 symbols)	WIMAX	14.45	±0.5
10310	AAA	IEEE 802.15e WIMAX (25.18, 10 ms, 10 MHz, QPSK, AMC 2x3, 16 symbols)	WIMAX	14.47	±0.5
10311	AAE	LTE-FDD (SC-FDMA, 100Ks RB, 15 MHz, QPSK)	LTE-FDD	9.35	±0.5
10313	AAA	IDEN 1.8	IDEN	13.51	±0.5
10314	AAA	IDEN 1.8	IDEN	13.48	±0.5
10315	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	9.35	±0.5
10315	AAE	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 5.5Mbps, 96pc duty cycle)	WLAN	9.35	±0.5
10317	AAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6Mbps, 96pc duty cycle)	WLAN	9.35	±0.5
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	5.98	±0.5
10353	AAA	Pulse Waveform (200Hz, 30%)	Generic	5.98	±0.5
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	5.98	±0.5
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	5.98	±0.5
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	5.97	±0.5
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±0.5
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±0.5
10389	AAA	64-QAM Waveform, 100 kHz	Generic	8.37	±0.5
10389	AAA	64-QAM Waveform, 40 MHz	Generic	8.37	±0.5
10400	AAF	IEEE 802.11ac WiFi (30MHz, 64-QAM, 96pc duty cycle)	WLAN	9.37	±0.5
10401	AAF	IEEE 802.11ac WiFi (40MHz, 64-QAM, 96pc duty cycle)	WLAN	9.50	±0.5
10402	AAF	IEEE 802.11ac WiFi (50MHz, 64-QAM, 96pc duty cycle)	WLAN	9.53	±0.5
10403	AAE	CDMA2000 1xEV-DO, Rev. 0	CDMA2000	3.75	±0.5
10404	AAE	CDMA2000 1xEV-DO, Rev. A	CDMA2000	3.77	±0.5
10405	AAE	CDMA2000 1xEV-DO, Rev. A	CDMA2000	5.22	±0.5
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Synchronization=4)	LTE-TDD	7.02	±0.5
10414	AAA	WLAN QOFDM 64-QAM, 40MHz	Generic	8.54	±0.5
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	9.35	±0.5
10415	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6Mbps, 96pc duty cycle)	WLAN	9.35	±0.5
10417	AAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6Mbps, 96pc duty cycle)	WLAN	9.35	±0.5
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 8Mbps, 96pc duty cycle, Long preamble)	WLAN	9.34	±0.5
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 8Mbps, 96pc duty cycle, Short preamble)	WLAN	9.35	±0.5
10422	AAE	IEEE 802.11n (HT Greenfield, 8 Mbps, QPSK)	WLAN	9.32	±0.5
10423	AAE	IEEE 802.11n (HT Greenfield, 43.3Mbps, 16-QAM)	WLAN	9.47	±0.5
10424	AAE	IEEE 802.11n (HT Greenfield, 72.2Mbps, 64-QAM)	WLAN	9.43	±0.5
10425	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, QPSK)	WLAN	9.41	±0.5
10426	AAE	IEEE 802.11n (HT Greenfield, 30 Mbps, 16-QAM)	WLAN	9.45	±0.5
10427	AAE	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	9.51	±0.5
10430	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1)	LTE-FDD	8.29	±0.5
10431	AAE	LTE-FDD (OFDMA, 10MHz, E-TM 3.1)	LTE-FDD	8.38	±0.5
10432	AAE	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	±0.5
10433	AAE	LTE-FDD (OFDMA, 20MHz, E-TM 3.1)	LTE-FDD	8.34	±0.5
10434	AAE	WCDMA (BS Test Mode 1, 64 QPSK)	WCDMA	8.00	±0.5
10435	AAE	LTE-TDD (SC-FDMA, 1 RB, 20MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.5
10447	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.55	±0.5
10448	AAE	LTE-FDD (OFDMA, 10MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.55	±0.5
10448	AAE	LTE-FDD (OFDMA, 16MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±0.5
10450	AAE	LTE-FDD (OFDMA, 20MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±0.5
10451	AAE	WCDMA (BS Test Mode 1, 64 QPSK, Clipping 44%)	WCDMA	7.59	±0.5
10453	AAE	Validation (Square, 10ms, 1ms)	Test	13.00	±0.5
10455	AAE	IEEE 802.11ac WiFi (40MHz, 64-QAM, 96pc duty cycle)	WLAN	9.53	±0.5
10457	AAE	UMTS-FDD (DC-HSPA)	WCDMA	8.52	±0.5
10458	AAA	CDMA2000 1xEV-DO, Rev. B, 2 carriers	CDMA2000	8.55	±0.5
10458	AAA	CDMA2000 1xEV-DO, Rev. B, 3 carriers	CDMA2000	8.75	±0.5
10460	AAE	UMTS-FDD (WCDMA, AMR)	WCDMA	8.53	±0.5
10461	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.02	±0.5
10462	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±0.5
10463	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±0.5
10464	AAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.5
10465	AAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.5
10466	AAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.5
10467	AAE	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.5
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.5
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±0.5
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.5
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.5

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10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAI	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAI	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAI	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	9.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	9.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	9.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.69	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.88	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10499	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAI	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAI	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAI	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.66	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAI	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAI	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10511	AAI	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.29	±9.6
10519	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	9.09	±9.6
10524	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.35	±9.6
10526	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.38	±9.6
10529	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.38	±9.6
10530	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.43	±9.6
10531	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.29	±9.6
10532	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10539	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.39	±9.6

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10541	AAD	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±0.6
10542	AAD	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±0.6
10543	AAD	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.66	±0.6
10544	AAD	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.47	±0.6
10545	AAD	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±0.6
10546	AAD	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±0.6
10547	AAD	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±0.6
10548	AAD	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.57	±0.6
10550	AAD	IEEE 802.11ac WiFi (80MHz, MCS5, 99pc duty cycle)	WLAN	8.58	±0.6
10551	AAD	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±0.6
10552	AAD	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±0.6
10553	AAD	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±0.6
10554	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.43	±0.6
10555	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±0.6
10556	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±0.6
10557	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±0.6
10558	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±0.6
10559	AAD	IEEE 802.11ac WiFi (160MHz, MCS5, 99pc duty cycle)	WLAN	8.78	±0.6
10561	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.86	±0.6
10562	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.66	±0.6
10563	AAD	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±0.6
10564	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 9Mbps, 99pc duty cycle)	WLAN	8.25	±0.6
10565	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 12Mbps, 99pc duty cycle)	WLAN	8.46	±0.6
10566	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 18Mbps, 99pc duty cycle)	WLAN	8.13	±0.6
10567	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 24Mbps, 99pc duty cycle)	WLAN	8.00	±0.6
10568	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 36Mbps, 99pc duty cycle)	WLAN	8.37	±0.6
10569	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 48Mbps, 99pc duty cycle)	WLAN	8.10	±0.6
10570	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 54Mbps, 99pc duty cycle)	WLAN	8.30	±0.6
10571	AAA	IEEE 802.11b WiFi 2.4GHz (DSSS, 1Mbps, 99pc duty cycle)	WLAN	1.00	±0.6
10572	AAA	IEEE 802.11b WiFi 2.4GHz (DSSS, 2Mbps, 99pc duty cycle)	WLAN	1.09	±0.6
10573	AAA	IEEE 802.11b WiFi 2.4GHz (DSSS, 5.5Mbps, 99pc duty cycle)	WLAN	1.00	±0.6
10574	AAA	IEEE 802.11b WiFi 2.4GHz (DSSS, 11Mbps, 99pc duty cycle)	WLAN	1.00	±0.6
10575	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 5Mbps, 99pc duty cycle)	WLAN	8.58	±0.6
10576	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 9Mbps, 99pc duty cycle)	WLAN	8.60	±0.6
10577	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 12Mbps, 99pc duty cycle)	WLAN	8.70	±0.6
10578	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 18Mbps, 99pc duty cycle)	WLAN	8.48	±0.6
10579	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 24Mbps, 99pc duty cycle)	WLAN	8.38	±0.6
10580	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 36Mbps, 99pc duty cycle)	WLAN	8.76	±0.6
10581	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 48Mbps, 99pc duty cycle)	WLAN	8.35	±0.6
10582	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 54Mbps, 99pc duty cycle)	WLAN	8.67	±0.6
10583	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 6Mbps, 99pc duty cycle)	WLAN	8.50	±0.6
10584	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 9Mbps, 99pc duty cycle)	WLAN	8.40	±0.6
10585	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 12Mbps, 99pc duty cycle)	WLAN	8.75	±0.6
10586	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 18Mbps, 99pc duty cycle)	WLAN	8.49	±0.6
10587	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 24Mbps, 99pc duty cycle)	WLAN	8.30	±0.6
10588	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 36Mbps, 99pc duty cycle)	WLAN	8.75	±0.6
10589	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 48Mbps, 99pc duty cycle)	WLAN	8.35	±0.6
10590	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 54Mbps, 99pc duty cycle)	WLAN	8.67	±0.6
10591	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS0, 99pc duty cycle)	WLAN	8.63	±0.6
10592	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS1, 99pc duty cycle)	WLAN	8.79	±0.6
10593	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS2, 99pc duty cycle)	WLAN	8.84	±0.6
10594	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS3, 99pc duty cycle)	WLAN	8.74	±0.6
10595	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS4, 99pc duty cycle)	WLAN	8.74	±0.6
10596	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS5, 99pc duty cycle)	WLAN	8.71	±0.6
10597	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS6, 99pc duty cycle)	WLAN	8.72	±0.6
10598	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS7, 99pc duty cycle)	WLAN	8.00	±0.6
10599	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS0, 99pc duty cycle)	WLAN	8.75	±0.6
10600	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS1, 99pc duty cycle)	WLAN	8.88	±0.6
10601	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS2, 99pc duty cycle)	WLAN	8.82	±0.6
10602	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS3, 99pc duty cycle)	WLAN	8.91	±0.6
10603	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS4, 99pc duty cycle)	WLAN	8.03	±0.6
10604	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS5, 99pc duty cycle)	WLAN	8.76	±0.6
10605	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS6, 99pc duty cycle)	WLAN	8.97	±0.6
10606	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS7, 99pc duty cycle)	WLAN	8.62	±0.6
10607	AAD	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.84	±0.6
10608	AAD	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±0.6

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10509	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90ps duty cycle)	WLAN	8.57	±9.6
10510	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90ps duty cycle)	WLAN	8.78	±9.6
10511	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90ps duty cycle)	WLAN	8.70	±9.6
10512	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90ps duty cycle)	WLAN	8.77	±9.6
10513	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90ps duty cycle)	WLAN	8.94	±9.6
10514	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90ps duty cycle)	WLAN	8.59	±9.6
10515	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 90ps duty cycle)	WLAN	8.62	±9.6
10518	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90ps duty cycle)	WLAN	8.82	±9.6
10517	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90ps duty cycle)	WLAN	8.87	±9.6
10519	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90ps duty cycle)	WLAN	8.55	±9.6
10519	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90ps duty cycle)	WLAN	8.86	±9.6
10520	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90ps duty cycle)	WLAN	8.87	±9.6
10521	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90ps duty cycle)	WLAN	8.77	±9.6
10522	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90ps duty cycle)	WLAN	9.09	±9.6
10523	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90ps duty cycle)	WLAN	9.82	±9.6
10524	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90ps duty cycle)	WLAN	9.95	±9.6
10525	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90ps duty cycle)	WLAN	9.98	±9.6
10526	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90ps duty cycle)	WLAN	8.83	±9.6
10527	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90ps duty cycle)	WLAN	8.89	±9.6
10528	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90ps duty cycle)	WLAN	8.71	±9.6
10529	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90ps duty cycle)	WLAN	8.84	±9.6
10530	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90ps duty cycle)	WLAN	8.72	±9.6
10531	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90ps duty cycle)	WLAN	8.81	±9.6
10532	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90ps duty cycle)	WLAN	8.71	±9.6
10533	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90ps duty cycle)	WLAN	8.93	±9.6
10534	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90ps duty cycle)	WLAN	8.80	±9.6
10535	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90ps duty cycle)	WLAN	8.81	±9.6
10536	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90ps duty cycle)	WLAN	8.83	±9.6
10537	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90ps duty cycle)	WLAN	8.79	±9.6
10538	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90ps duty cycle)	WLAN	8.86	±9.6
10539	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90ps duty cycle)	WLAN	8.86	±9.6
10540	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90ps duty cycle)	WLAN	8.92	±9.6
10541	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90ps duty cycle)	WLAN	8.86	±9.6
10542	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90ps duty cycle)	WLAN	9.08	±9.6
10543	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90ps duty cycle)	WLAN	8.89	±9.6
10544	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 90ps duty cycle)	WLAN	9.05	±9.6
10545	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 90ps duty cycle)	WLAN	9.11	±9.6
10546	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10547	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10548	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10549	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10550	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10551	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10552	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10553	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10554	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10555	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10556	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10557	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10558	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10559	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10560	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10561	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10562	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10563	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10564	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10565	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10566	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10567	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10568	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10569	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10570	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10571	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10572	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10573	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10574	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10575	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10576	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10577	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10578	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10579	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10580	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10581	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10582	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10583	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10584	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10585	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6
10586	AAD	LTE-TDD (FDDMA, 5 MHz, E-TM 3, Clipping 44%)	LTE-TDD	11.96	±9.6

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±0.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±0.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±0.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±0.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±0.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.25	±0.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±0.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±0.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.76	±0.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±0.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±0.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±0.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±0.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±0.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±0.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±0.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±0.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.58	±0.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.89	±0.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.88	±0.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±0.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±0.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.55	±0.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±0.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±0.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±0.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±0.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±0.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±0.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±0.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±0.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±0.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±0.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±0.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±0.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±0.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±0.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±0.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±0.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±0.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.86	±0.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±0.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±0.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±0.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±0.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±0.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±0.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±0.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±0.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±0.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.35	±0.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±0.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.28	±0.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±0.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±0.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.48	±0.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.54	±0.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.16	±0.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±0.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±0.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±0.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±0.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±0.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±0.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±0.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±0.6

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10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.69	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.58	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.49	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.58	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.49	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.53	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.54	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.51	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAG	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAG	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAG	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAG	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAG	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAG	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	9.03	±9.6
10774	AAG	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.32	±9.6
10775	AAG	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAG	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAG	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAG	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAG	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAG	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAG	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.58	±9.6
10782	AAG	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.48	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAG	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAG	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAG	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAG	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAG	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAG	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAG	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10792	AAG	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAG	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAG	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAG	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAG	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAG	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAG	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAG	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10800	AAG	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10801	AAG	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10802	AAG	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10803	AAG	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10804	AAG	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10805	AAG	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAG	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10807	AAG	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10808	AAG	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10809	AAG	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10810	AAG	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10811	AAG	5G NR (CP-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10812	AAG	5G NR (CP-OFDM, 50% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10813	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10814	AAG	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10815	AAG	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10816	AAG	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10817	AAG	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10818	AAG	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAG	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10820	AAG	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10821	AAG	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10822	AAG	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10823	AAG	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10824	AAG	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10825	AAG	5G NR (CP-OFDM, 100% RB, 120 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10826	AAG	5G NR (CP-OFDM, 100% RB, 140 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10827	AAG	5G NR (CP-OFDM, 100% RB, 160 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6
10828	AAG	5G NR (CP-OFDM, 100% RB, 180 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

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10829	AAF	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.40	±8.8
10830	AAE	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.93	±8.6
10831	AAJ	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.73	±9.0
10832	AAE	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.74	±9.8
10833	AAJ	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.70	±9.8
10834	AAE	5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAF	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.88	±9.8
10837	AAF	5G NR (CP-OFDM, 1 RB, 60MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.88	±9.6
10838	AAF	5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAJ	5G NR (CP-OFDM, 60% RB, 15MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.46	±9.6
10844	AAF	5G NR (CP-OFDM, 60% RB, 20MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAF	5G NR (CP-OFDM, 60% RB, 30MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAJ	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.38	±9.6
10856	AAE	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAJ	5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAF	5G NR (CP-OFDM, 100% RB, 30kHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAF	5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAJ	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.68	±9.6
10868	AAJ	5G NR (DFT-s-OFDM, 100% RB, 100MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.68	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	8.75	±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	8.85	±9.6
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100MHz, 16QAM, 120kHz)	5G NR FR2 TDD	8.75	±9.6
10872	AAF	5G NR (DFT-s-OFDM, 60% RB, 100MHz, 16QAM, 120kHz)	5G NR FR2 TDD	8.52	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100MHz, 64QAM, 120kHz)	5G NR FR2 TDD	8.81	±9.6
10874	AAF	5G NR (DFT-s-OFDM, 100% RB, 100MHz, 64QAM, 120kHz)	5G NR FR2 TDD	8.85	±9.6
10876	AAE	5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	7.70	±9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100MHz, 16QAM, 120kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100MHz, 64QAM, 120kHz)	5G NR FR2 TDD	8.12	±9.6
10880	AAF	5G NR (CP-OFDM, 100% RB, 100MHz, 64QAM, 120kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50MHz, QPSK, 120kHz)	5G NR FR2 TDD	8.75	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 120kHz)	5G NR FR2 TDD	8.90	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50MHz, 16QAM, 120kHz)	5G NR FR2 TDD	8.57	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50MHz, 16QAM, 120kHz)	5G NR FR2 TDD	8.53	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50MHz, 64QAM, 120kHz)	5G NR FR2 TDD	8.51	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50MHz, 64QAM, 120kHz)	5G NR FR2 TDD	8.55	±9.6
10887	AAF	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 120kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 120kHz)	5G NR FR2 TDD	8.05	±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50MHz, 16QAM, 120kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50MHz, 16QAM, 120kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAE	5G NR (CP-OFDM, 1 RB, 50MHz, 64QAM, 120kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 50MHz, 64QAM, 120kHz)	5G NR FR2 TDD	8.41	±9.6
10893	AAE	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.88	±9.6
10894	AAJ	5G NR (DFT-s-OFDM, 1 RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.87	±9.6
10895	AAE	5G NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.87	±9.6
10900	AAJ	5G NR (DFT-s-OFDM, 1 RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.88	±9.6
10901	AAJ	5G NR (DFT-s-OFDM, 1 RB, 25MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.88	±9.6
10902	AAJ	5G NR (DFT-s-OFDM, 1 RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.88	±9.6
10903	AAJ	5G NR (DFT-s-OFDM, 1 RB, 40MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.88	±9.6
10904	AAJ	5G NR (DFT-s-OFDM, 1 RB, 50MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.88	±9.6
10905	AAJ	5G NR (DFT-s-OFDM, 1 RB, 60MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.88	±9.6
10906	AAJ	5G NR (DFT-s-OFDM, 1 RB, 80MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.88	±9.6
10907	AAE	5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.78	±9.6
10909	AAJ	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.83	±9.6
10909	AAJ	5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.80	±9.6
10910	AAJ	5G NR (DFT-s-OFDM, 50% RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.82	±9.6

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10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±0.5
10912	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.5
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.5
10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±0.5
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±0.5
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±0.5
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±0.5
10918	AAE	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.88	±0.5
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.88	±0.5
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.97	±0.5
10921	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±0.5
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±0.5
10923	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.5
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.5
10925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±0.5
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.5
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±0.5
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.5
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.5
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.5
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.5
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.5
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.5
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.5
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.5
10936	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.80	±0.5
10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±0.5
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.80	±0.5
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±0.5
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.88	±0.5
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±0.5
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±0.5
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±0.5
10944	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±0.5
10945	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±0.5
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±0.5
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±0.5
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±0.5
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±0.5
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±0.5
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±0.5
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±0.5
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±0.5
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±0.5
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±0.5
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±0.5
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±0.5
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±0.5
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±0.5
10960	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±0.5
10961	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.35	±0.5
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.43	±0.5
10963	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±0.5
10964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±0.5
10965	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±0.5
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±0.5
10967	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±0.5
10968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±0.5
10972	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.55	±0.5
10973	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.06	±0.5
10974	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.26	±0.5
10978	AAA	ULLA BDR	ULLA	1.16	±0.5
10979	AAA	ULLA HDR4	ULLA	3.58	±0.5
10980	AAA	ULLA HDR8	ULLA	10.32	±0.5
10981	AAA	ULLA HDRp4	ULLA	3.13	±0.5
10982	AAA	ULLA HDRp8	ULLA	3.43	±0.5

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10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.51	±9.6
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	9.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	9.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.78	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAB	IEEE 802.11be (320 MHz, MCS1, 99ps duty cycle)	WLAN	8.47	±9.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99ps duty cycle)	WLAN	8.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99ps duty cycle)	WLAN	8.44	±9.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99ps duty cycle)	WLAN	8.44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99ps duty cycle)	WLAN	8.41	±9.6
11018	AAB	IEEE 802.11be (320 MHz, MCS6, 99ps duty cycle)	WLAN	8.40	±9.6
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99ps duty cycle)	WLAN	8.29	±9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99ps duty cycle)	WLAN	8.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99ps duty cycle)	WLAN	8.46	±9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99ps duty cycle)	WLAN	8.26	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99ps duty cycle)	WLAN	8.09	±9.6
11024	AAB	IEEE 802.11be (320 MHz, MCS12, 99ps duty cycle)	WLAN	8.42	±9.6
11025	AAB	IEEE 802.11be (320 MHz, MCS13, 99ps duty cycle)	WLAN	8.37	±9.6
11026	AAB	IEEE 802.11be (320 MHz, MCS14, 99ps duty cycle)	WLAN	8.39	±9.6

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

Appendix A.3 Probe Calibration certificate (EUmmWV4_9489)

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zughausstrasse 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**

Client **Eurofins KCTL**
Gyeonggi-do, Republic of Korea

Certificate No. **EUmm-9489_May24**

CALIBRATION CERTIFICATE

Object: **EUmmWV4 - SN:9489**

Calibration procedure(s): **QA CAL-02.v9, QA CAL-25.v8, QA CAL-42.v3**
Calibration procedure for E-field probes optimized for close near field
evaluations in air

Calibration date: **May 15, 2024**

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 criteria) for calibration:

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power sensor NRP110T	SN: 101244	04-Apr-24 (No. 0301A300740058)	Apr-25
Spectrum analyzer FSV40	SN: 101832	25-Jan-24 (No. 4030-315007551)	Jan-25
Ref. Probe EUmmWV3	SN: 9374	04-Dec-23 (No. EUmm-9374_Dec23)	Dec-24
DAE4ip	SN: 1862	08-Nov-23 (No. DAE4ip-1862_Nov23)	Nov-24

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Generator APSIN26G	SN: 688	28-Mar-17 (in house check May-23)	in house check: May-24
Generator Agilent E8251A	SN: US41140111	28-Mar-17 (in house check May-23)	in house check: May-24

	Name	Function	Signature
Calibrated by	Latif Klyzner	Laboratory Technician	
Approved by	Sven Köhn	Technical Manager	
Issued: May 22, 2024			
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.			

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



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Accredited by the Swiss Accreditation Service (SAS)
The Swiss Accreditation Service is one of the signatories to the EA
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Accreditation No.: **SCS 0108**

Glossary

NORM_{x,y}	sensitivity in free space
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization θ	θ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e. $\theta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system
Sensor Angles	sensor deviation from the probe axis, used to calculate the field orientation and polarization
k	is the wave propagation direction

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORM_{x,y}**: Assessed for E-field polarization ($\theta = 0$) ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). For frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various waveguide bands up to 110 GHz.
- DCP_{x,y}**: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
Note: As the field is measured with a diode detector sensor, it is warranted that the probe response is linear (E^2) below the documented lowest calibrated value.
- PAR**: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R , R_p , inductance L and capacitors C , C_p).
- A_{x,y}, B_{x,y}, C_{x,y}, D_{x,y}, VR_{x,y}**: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- Sensor Offset**: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle**: The angle is assessed using the information gained by determining the **NORM_x** (no uncertainty required).
- Equivalent Sensor Angle**: The two probe sensors are mounted in the same plane at different angles. The angles are assessed using the information gained by determining the **NORM_x** (no uncertainty required).
- Spherical Isotropy (3D deviation from isotropy)**: in a locally homogeneous field realized using an open waveguide / horn setup.

EUmmWV4 - SN:9489

May 15, 2024

Parameters of Probe: EUmmWV4 - SN:9489

Basic Calibration Parameters

	Sensor X	Sensor Y	Unc (k = 2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$)	0.02184	0.02419	$\pm 10.1\%$
DCP (mV) ^B	103.0	103.0	$\pm 1.7\%$
Equivalent Sensor Angle	-61.4	38.8	

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

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k = 2) dB
0.75	77.2	-0.08	-0.08	± 0.43
1.5	140.4	-0.00	-0.01	± 0.43
2.0	133.0	0.11	0.75	± 0.43
2.2	124.8	-0.06	-0.05	± 0.43
2.5	123.0	0.07	0.09	± 0.43
3.5	256.2	-0.20	-0.26	± 0.43
3.7	249.6	-0.06	-0.15	± 0.43
6.6	74.7	0.06	0.38	± 0.98
8.0	67.2	-0.03	-0.20	± 0.98
10.0	66.2	0.02	0.05	± 0.98
15.0	51.2	0.13	0.25	± 0.98
26.6	112.6	0.20	0.19	± 0.98
30.0	121.9	0.02	-0.01	± 0.98
35.0	121.3	-0.16	-0.15	± 0.98
40.0	102.3	-0.27	-0.23	± 0.98
50.0	61.5	0.04	-0.02	± 0.98
55.0	75.9	0.01	0.01	± 0.98
60.0	80.6	-0.01	0.00	± 0.98
65.0	77.1	0.12	0.10	± 0.98
70.0	74.3	0.15	0.11	± 0.98
75.0	74.8	0.02	-0.00	± 0.98
75.0	96.6	0.02	0.02	± 0.98
80.0	95.4	-0.15	-0.09	± 0.98
85.0	58.0	-0.08	-0.10	± 0.98
90.0	84.0	-0.00	0.00	± 0.98
92.0	83.9	0.04	0.03	± 0.98
95.0	76.2	0.03	0.01	± 0.98
97.0	69.1	0.06	0.03	± 0.98
100.0	66.9	0.10	0.13	± 0.98
105.0	67.2	-0.25	-0.15	± 0.98
110.0	78.1	0.12	0.01	± 0.98

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

^B Linearization parameter uncertainty for maximum specified field strength.

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May 15, 2024

Parameters of Probe: EUmmWV4 - SN:9489

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB/√μV	C	D dB	VR mV	Max dev.	Max Unc ^E k=2
0	CW	X	0.00	0.00	1.00	0.00	121.3	±3.3%	±4.7%
		Y	0.00	0.00	1.00		100.8		
10352	Pulse Waveform (200Hz, 10%)	X	2.27	60.00	13.86	10.00	8.0	±1.4%	±9.6%
		Y	1.90	60.00	15.34		8.0		
10353	Pulse Waveform (200Hz, 20%)	X	1.53	60.00	12.77	5.99	12.0	±1.0%	±9.6%
		Y	1.31	60.00	14.29		12.0		
10354	Pulse Waveform (200Hz, 40%)	X	0.89	60.00	11.61	3.88	23.0	±1.3%	±9.6%
		Y	0.79	60.00	13.08		23.0		
10355	Pulse Waveform (200Hz, 60%)	X	0.54	60.00	10.93	2.22	27.0	±0.8%	±9.6%
		Y	0.48	60.00	12.38		27.0		
10387	QPSK Waveform, 1 MHz	X	1.09	60.00	11.84	1.00	22.0	±1.6%	±9.6%
		Y	1.08	60.00	12.20		22.0		
10388	QPSK Waveform, 10 MHz	X	1.27	60.00	11.91	0.00	22.0	±0.7%	±9.6%
		Y	1.24	60.00	12.22		22.0		
10395	64-QAM Waveform, 100 kHz	X	2.41	62.41	14.76	3.01	17.0	±0.7%	±9.6%
		Y	2.75	63.71	15.35		17.0		
10399	64-QAM Waveform, 40 MHz	X	2.09	60.00	12.40	0.00	19.0	±0.8%	±9.6%
		Y	2.04	60.00	12.66		19.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.19	60.00	12.83	0.00	12.0	±0.9%	±9.6%
		Y	3.11	60.00	13.07		12.0		

Note: For details on UID parameters see Appendix

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

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KR25-SPF0016-B
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**KCTL**

EUmmWV4 - SN:9489

May 15, 2024

Parameters of Probe: EUmmWV4 - SN:9489**Calibration Results for Linearity Response**

Frequency GHz	Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k = 2) dB
0.5	50.0	0.08	0.14	±0.2
0.9	100.0	-0.04	0.02	±0.2
0.9	500.0	-0.00	-0.00	±0.2
0.8	1000.0	0.03	0.02	±0.2
0.9	1500.0	0.01	0.02	±0.2
0.9	2100.0	-0.01	-0.01	±0.2

Sensor Frequency Model Parameters (750 MHz – 55 GHz)

	Sensor X	Sensor Y
R (Ω)	75.84	71.49
R _p (Ω)	116.26	103.00
L (nH)	0.07982	0.06857
C (pF)	0.1861	0.2622
C _p (pF)	0.0694	0.0807

Sensor Frequency Model Parameters (55 GHz – 110 GHz)

	Sensor X	Sensor Y
R (Ω)	33.54	33.82
R _p (Ω)	146.35	138.72
L (nH)	0.06847	0.06487
C (pF)	0.0682	0.0755
C _p (pF)	0.0773	0.0786

Sensor Model Parameters

	C1 1/F	C2 1/F	a V ⁻¹	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
x	40.8	298.35	34.10	0.92	4.66	4.97	0.00	1.29	1.01
y	43.1	316.28	34.43	2.68	4.73	5.02	0.00	1.53	1.01

Other Probe Parameters

Sensor Arrangement	Rectangular
Connector Angle	147.1°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	320 mm
Probe Body Diameter	8 mm
Tip Length	23 mm
Tip Diameter	8.0 mm
Probe Tip to Sensor X Calibration Point	1.5 mm
Probe Tip to Sensor Y Calibration Point	1.5 mm

Certificate No: EUmm-9489_May24

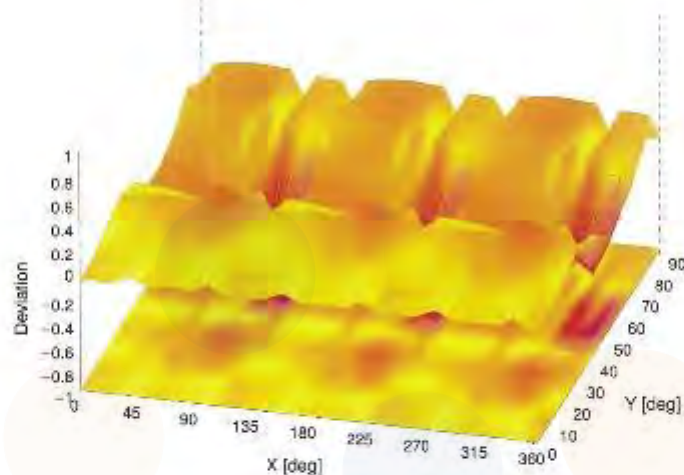
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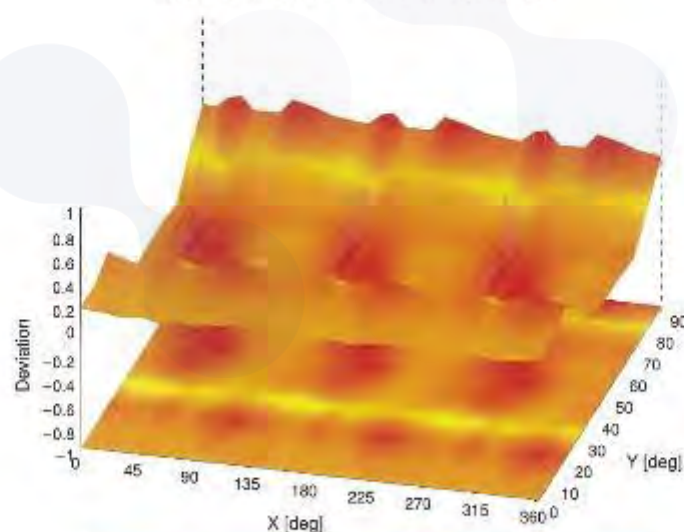
May 15, 2024

Deviation from Isotropy in Air

30GHz: 3D isotropy, E-field parallel to probe axis



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

Probe isotropy for E_{tot} : probe rotated $\phi = 0^\circ$ to 360° , tilted from field propagation direction $\hat{k}$ Parallel to the field propagation ($\psi = 0^\circ - 90^\circ$) at 30 GHz: deviation within ± 0.39 dBParallel to the field propagation ($\psi = 0^\circ - 90^\circ$) at 60 GHz: deviation within ± 0.42 dB

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May 16, 2024

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ² # = 3
C		CW	CW	0.00	+4.7
10010	CAB	SAR Validation (Square, 100ms, 10ms)	Test	10.00	+9.6
10011	CAC	UMTS FDD (WCDMA)	WCDMA	2.91	+9.6
10012	CAB	IEEE 802.11a WiFi 2.4GHz (DSSS, 1Mbps)	WLAN	1.87	+9.6
10013	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 6Mbps)	WLAN	3.46	+9.6
10021	CAC	GSM FDD (TDMA, GMSK)	GSM	0.28	+9.6
10023	CAC	GPRS FDD (TDMA, GMSK, TN 0)	GSM	0.57	+9.6
10024	CAC	GPRS FDD (TDMA, GMSK, TN 0-1)	GSM	6.66	+9.6
10025	CAC	EDGE FDD (TDMA, 8PSK, TN 0)	GSM	12.62	+9.6
10026	CAC	EDGE FDD (TDMA, 8PSK, TN 0-1)	GSM	9.56	+9.6
10027	CAC	GPRS FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	+9.6
10028	CAC	GPRS FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.50	+9.6
10029	CAC	EDGE FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.76	+9.6
10030	CAA	IEEE 802.15.1 Bluetooth (BFSK, DH1)	Bluetooth	5.30	+9.6
10031	CAA	IEEE 802.15.1 Bluetooth (BFSK, DH3)	Bluetooth	1.87	+9.6
10032	CAA	IEEE 802.15.1 Bluetooth (BFSK, DHS)	Bluetooth	1.16	+9.6
10033	CAA	IEEE 802.15.1 Bluetooth (P4-DQPSK, DHS)	Bluetooth	7.74	+9.6
10034	CAA	IEEE 802.15.1 Bluetooth (P4-DQPSK, DHS)	Bluetooth	1.52	+9.6
10035	CAA	IEEE 802.15.1 Bluetooth (P4-DQPSK, DHS)	Bluetooth	0.62	+9.6
10036	CAA	IEEE 802.15.1 Bluetooth (B-DPSK, DHS)	Bluetooth	5.01	+9.6
10037	CAA	IEEE 802.15.1 Bluetooth (B-DPSK, DHS)	Bluetooth	4.77	+9.6
10038	CAA	IEEE 802.15.1 Bluetooth (B-DPSK, DHS)	Bluetooth	4.10	+9.6
10039	CAB	CDMA2000 (1XRTT, RC1)	CDMA2000	4.57	+9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, P4-DQPSK, Fullrate)	AMPS	7.53	+9.6
10044	CAA	IS-54/IS-136 FDD (FDMA, FM)	AMPS	0.00	+9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 34)	DECT	13.80	+9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	+9.6
10053	CAA	UMTS-TDD (TD-SCDMA, 1.28Mbps)	TD-SCDMA	11.21	+9.6
10059	CAC	EDGE FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	5.52	+9.6
10059	CAB	IEEE 802.11a WiFi 2.4GHz (DSSS, 2Mbps)	WLAN	2.12	+9.6
10059	CAB	IEEE 802.11a WiFi 2.4GHz (DSSS, 5.5Mbps)	WLAN	2.33	+9.6
10061	CAB	IEEE 802.11a WiFi 2.4GHz (DSSS, 11Mbps)	WLAN	3.60	+9.6
10062	CAB	IEEE 802.11ah WiFi 5GHz (OFDM, 8Mbps)	WLAN	8.89	+9.6
10063	CAB	IEEE 802.11ah WiFi 5GHz (OFDM, 9Mbps)	WLAN	8.83	+9.6
10064	CAB	IEEE 802.11ah WiFi 5GHz (OFDM, 12Mbps)	WLAN	9.09	+9.6
10065	CAB	IEEE 802.11ah WiFi 5GHz (OFDM, 18Mbps)	WLAN	9.00	+9.6
10065	CAB	IEEE 802.11ah WiFi 5GHz (OFDM, 24Mbps)	WLAN	9.39	+9.6
10067	CAB	IEEE 802.11ah WiFi 5GHz (OFDM, 26Mbps)	WLAN	10.12	+9.6
10068	CAB	IEEE 802.11ah WiFi 5GHz (OFDM, 48Mbps)	WLAN	10.24	+9.6
10069	CAB	IEEE 802.11ah WiFi 5GHz (OFDM, 54Mbps)	WLAN	10.56	+9.6
10071	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 9Mbps)	WLAN	9.03	+9.6
10072	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 12Mbps)	WLAN	9.82	+9.6
10073	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 18Mbps)	WLAN	9.94	+9.6
10074	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 24Mbps)	WLAN	10.20	+9.6
10075	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 36Mbps)	WLAN	10.77	+9.6
10076	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 48Mbps)	WLAN	10.94	+9.6
10077	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 54Mbps)	WLAN	11.60	+9.6
10081	CAB	CDMA2000 (1XRTT, RC2)	CDMA2000	3.97	+9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, P4-DQPSK, Fullrate)	AMPS	4.77	+9.6
10083	CAC	GPRS FDD (TDMA, GMSK, TN 0-4)	GSM	0.36	+9.6
10087	CAC	UMTS FDD (HSPA)	WCDMA	3.88	+9.6
10088	CAC	UMTS FDD (HSPA, Subtype 2)	WCDMA	3.98	+9.6
10096	CAC	EDGE FDD (TDMA, 8PSK, TN 0-1)	GSM	9.50	+9.6
10100	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-FDD	5.67	+9.6
10101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-FDD	6.42	+9.6
10102	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-FDD	6.60	+9.6
10103	CAB	LTE-TDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-TDD	9.29	+9.6
10104	CAB	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-TDD	9.97	+9.6
10105	CAB	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-TDD	10.01	+9.6
10106	CAB	LTE-FDD (SC-FDMA, 100% RB, 10MHz, QPSK)	LTE-FDD	5.60	+9.6
10109	CAB	LTE-FDD (SC-FDMA, 100% RB, 10MHz, 16-QAM)	LTE-FDD	5.43	+9.6
10110	CAB	LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-FDD	5.75	+9.6
10111	CAB	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-FDD	6.44	+9.6

Certificate No: EUmm-9489_May24

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Report No.:
KR25-SPF0016-B
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**KCTL**

EUmmWV4 - SN-9489

May 15, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^F k=2
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10MHz, 64-QAM)	LTE-FDD	8.54	-0.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-FDD	8.52	-0.6
10114	CAE	IEEE 802.11n (HT Greenfield, 15.5Mbps, BPSK)	WLAN	8.10	-0.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81Mbps, 16-QAM)	WLAN	9.48	-0.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135Mbps, 64-QAM)	WLAN	9.15	-0.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5Mbps, BPSK)	WLAN	9.37	-0.6
10118	CAE	IEEE 802.11n (HT Mixed, 81Mbps, 16-QAM)	WLAN	9.59	-0.6
10119	CAE	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	6.53	-0.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-FDD	5.73	-0.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-FDD	6.35	-0.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-FDD	5.85	-0.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-FDD	5.78	-0.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM)	LTE-FDD	5.41	-0.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM)	LTE-FDD	5.72	-0.6
10148	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 16-QAM)	LTE-FDD	6.42	-0.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 64-QAM)	LTE-FDD	3.80	-0.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20MHz, QPSK)	LTE-TDD	3.28	-0.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 16-QAM)	LTE-TDD	3.82	-0.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 64-QAM)	LTE-TDD	10.05	-0.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10MHz, QPSK)	LTE-FDD	5.75	-0.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10MHz, 16-QAM)	LTE-FDD	5.83	-0.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-FDD	5.79	-0.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)	LTE-FDD	5.40	-0.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10MHz, 64-QAM)	LTE-FDD	6.62	-0.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-FDD	6.58	-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	6.59	-0.6
10163	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, QPSK)	LTE-FDD	5.46	-0.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM)	LTE-FDD	6.21	-0.6
10169	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	AAF	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	8.21	-0.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)	LTE-TDD	8.48	-0.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-TDD	10.25	-0.6
10175	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	6.62	-0.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	5.73	-0.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-FDD	6.52	-0.6
10179	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	6.62	-0.6
10183	AAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-FDD	6.60	-0.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	5.73	-0.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-FDD	6.51	-0.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-FDD	6.50	-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	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-FDD	6.50	-0.6
10190	CAE	IEEE 802.11n (HT Greenfield, 6.5Mbps, BPSK)	WLAN	8.09	-0.6
10194	CAE	IEEE 802.11n (HT Greenfield, 39Mbps, 16-QAM)	WLAN	8.18	-0.6
10195	CAE	IEEE 802.11n (HT Greenfield, 65Mbps, 64-QAM)	WLAN	8.21	-0.6
10196	CAE	IEEE 802.11n (HT Mixed, 6.5Mbps, BPSK)	WLAN	8.10	-0.6
10197	CAE	IEEE 802.11n (HT Mixed, 39Mbps, 16-QAM)	WLAN	8.13	-0.6
10198	CAE	IEEE 802.11n (HT Mixed, 65Mbps, 64-QAM)	WLAN	8.27	-0.6
10210	CAF	IEEE 802.11n (HT Mixed, 48.5Mbps, BPSK)	WLAN	8.08	-0.6
10220	CAE	IEEE 802.11n (HT Mixed, 72.2Mbps, 16-QAM)	WLAN	8.13	-0.6
10221	CAE	IEEE 802.11n (HT Mixed, 72.2Mbps, 64-QAM)	WLAN	8.27	-0.6
10222	CAE	IEEE 802.11n (HT Mixed, 15Mbps, BPSK)	WLAN	8.08	-0.6
10223	CAE	IEEE 802.11n (HT Mixed, 90Mbps, 16-QAM)	WLAN	8.48	-0.6
10224	CAE	IEEE 802.11n (HT Mixed, 150Mbps, 64-QAM)	WLAN	8.08	-0.6

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UID	SNW	Communication System Name	Group	FAR (dB)	Unc ^F k=2
10225	CAC	JMTC-FDD (HSPA)	WCDMA	5.97	-9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)	LTE-TDD	9.43	-9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-TDD	10.06	-9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-TDD	9.22	-9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TDD	9.43	-9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-TDD	10.25	-9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-TDD	9.19	-9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-TDD	9.43	-9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-TDD	10.25	-9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-TDD	9.21	-9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 16-QAM)	LTE-TDD	9.48	-9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)	LTE-TDD	10.25	-9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK)	LTE-TDD	9.21	-9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-TDD	9.43	-9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-TDD	10.25	-9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-TDD	9.21	-9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM)	LTE-TDD	9.82	-9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM)	LTE-TDD	9.89	-9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, QPSK)	LTE-TDD	9.66	-9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-TDD	10.06	-9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)	LTE-TDD	10.06	-9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-TDD	9.30	-9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)	LTE-TDD	9.91	-9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-TDD	10.09	-9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-TDD	9.29	-9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-QAM)	LTE-TDD	9.81	-9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-QAM)	LTE-TDD	10.17	-9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10MHz, QPSK)	LTE-TDD	9.24	-9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-TDD	9.93	-9.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-QAM)	LTE-TDD	10.14	-9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-TDD	9.29	-9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM)	LTE-TDD	9.98	-9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM)	LTE-TDD	10.09	-9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-TDD	9.94	-9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-TDD	9.88	-9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-TDD	9.97	-9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-TDD	9.24	-9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-TDD	9.89	-9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-TDD	10.16	-9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-TDD	9.23	-9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM)	LTE-TDD	9.82	-9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-QAM)	LTE-TDD	10.07	-9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10MHz, QPSK)	LTE-TDD	9.30	-9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	LTE-TDD	10.06	-9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-TDD	10.13	-9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-TDD	9.58	-9.6
10274	CAC	UMTS-FDD (HSPA, S-SS, 5.3GPP Rel.10)	WCDMA	9.97	-9.6
10275	CAC	UMTS-FDD (HSPA, S-SS, 5.3GPP Rel.10)	WCDMA	9.95	-9.6
10276	CAA	PHS (QPSK)	PHS	11.81	-9.6
10277	CAA	PHS (QPSK, BW 894 MHz, Polar 0.5)	PHS	11.81	-9.6
10278	CAA	PHS (QPSK, BW 894 MHz, Polar 0.5)	PHS	12.18	-9.6
10280	AAB	CDMA2000, RC1, SC15, Full Rate	CDMA2000	9.91	-9.6
10281	AAB	CDMA2000, RC3, SC15, Full Rate	CDMA2000	9.46	-9.6
10282	AAB	CDMA2000, RC3, SC15, Full Rate	CDMA2000	9.38	-9.6
10283	AAB	CDMA2000, RC3, SC3, Full Rate	CDMA2000	9.50	-9.6
10285	AAB	CDMA2000, RC1, SC3, 1.9th Rate 25.7%	CDMA2000	12.49	-9.6
10287	AAE	LTE-FDD (SC-FDMA, 50% RB, 30MHz, QPSK)	LTE-FDD	5.81	-9.6
10288	AAE	LTE-FDD (SC-FDMA, 50% RB, 30MHz, QPSK)	LTE-FDD	5.78	-9.6
10289	AAE	LTE-FDD (SC-FDMA, 50% RB, 30MHz, 16-QAM)	LTE-FDD	6.39	-9.6
10290	AAE	LTE-FDD (SC-FDMA, 50% RB, 30MHz, 64-QAM)	LTE-FDD	6.60	-9.6
10301	AAA	IEEE 802.16e WMAX [20:16, 5ms, 10MHz, QPSK, PUSC]	WIMAX	12.03	-9.6
10302	AAA	IEEE 802.16e WMAX [20:16, 5ms, 10MHz, QPSK, PUSC, 9 CTR, symbols]	WIMAX	12.57	-9.6
10303	AAA	IEEE 802.16e WMAX [21:15, 5ms, 10MHz, 64QAM, PUSC]	WIMAX	12.52	-9.6
10304	AAA	IEEE 802.16e WMAX [20:16, 5ms, 10MHz, 64QAM, PUSC]	WIMAX	11.80	-9.6
10305	AAA	IEEE 802.16e WMAX [31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols]	WIMAX	12.24	-9.6
10306	AAA	IEEE 802.16e WMAX [20:16, 10ms, 10MHz, 64QAM, PUSC, 15 symbols]	WIMAX	14.67	-9.6

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UID	Rev	Communication System Name	Group	PAR [dB]	Unc ² k = 2
10207	AAA	IEEE 802.15e WiMAX (25.18, 10 ms, 10 MHz, QPSK, PUSC, 16 symbols)	WiMAX	14.48	+9.6
10208	AAA	IEEE 802.15e WiMAX (25.18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.48	+9.6
10209	AAA	IEEE 802.15e WiMAX (25.18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 16 symbols)	WiMAX	14.58	+9.6
10310	AAA	IEEE 802.15e WiMAX (25.18, 10 ms, 10 MHz, QPSK, AMC 2x3, 16 symbols)	WiMAX	14.57	+9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	8.26	+9.6
10313	AAA	OFDM 1.8	OFDM	10.51	+9.6
10314	AAA	OFDM 1.6	OFDM	13.48	+9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.71	+9.6
10318	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	0.38	+9.6
10317	AAE	IEEE 802.11n WiFi 2.4 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	0.38	+9.6
10352	AAA	Pulse Waveform (200Hz, 0%)	General	10.00	+9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	General	0.89	+9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	General	3.88	+9.6
10355	AAA	Pulse Waveform (200Hz, 80%)	General	2.22	+9.6
10356	AAB	Pulse Waveform (200Hz, 87%)	General	0.87	+9.6
10387	AAA	QPSK Waveform, 1 MHz	General	5.10	+9.6
10388	AAA	QPSK Waveform, 10 MHz	General	5.22	+9.6
10389	AAA	64-QAM Waveform, 100 kHz	General	0.27	+9.6
10389	AAA	64-QAM Waveform, 40 MHz	General	0.27	+9.6
10400	AAF	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	0.37	+9.6
10401	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	0.50	+9.6
10402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	0.53	+9.6
10403	AAB	CDMA2000 1xEV-DO, Rev. 0	CDMA2000	8.76	+9.6
10404	AAB	CDMA2000 1xEV-DO, Rev. A	CDMA2000	3.77	+9.6
10405	AAB	CDMA2000, RCS, SCSS, SCH0, Full Rate	CDMA2000	5.22	+9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Config)	LTE-TDD	7.02	+9.6
10414	AAA	Wi-Fi 6E G-DF 64-QAM, 40 MHz	General	0.56	+9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	+9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	0.23	+9.6
10417	AAD	IEEE 802.11n WiFi 2.4 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	0.23	+9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)	WLAN	0.14	+9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)	WLAN	0.10	+9.6
10422	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	0.33	+9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 45.3 Mbps, 16-QAM)	WLAN	0.47	+9.6
10424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	0.40	+9.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	0.41	+9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 50 Mbps, 16-QAM)	WLAN	0.45	+9.6
10427	AAD	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	0.41	+9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	+9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.58	+9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.54	+9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	+9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCCH)	WCDMA	0.60	+9.6
10435	AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.02	+9.6
10442	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.50	+9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	+9.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	+9.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	+9.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCCH, Clipping 44%)	WCDMA	7.59	+9.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	+9.6
10456	AAD	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	0.53	+9.6
10457	AAB	UMTS-FDD (SC-FDMA)	WCDMA	6.52	+9.6
10458	AAA	CDMA2000 1xEV-DO, Rev. B, 2 carriers	CDMA2000	8.55	+9.6
10459	AAA	CDMA2000 1xEV-DO, Rev. B, 3 carriers	CDMA2000	8.25	+9.6
10460	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	7.33	+9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.02	+9.6
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	0.30	+9.6
10463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	0.50	+9.6
10464	AAU	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.02	+9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	0.32	+9.6
10466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	0.57	+9.6
10467	AAU	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.02	+9.6
10468	AAU	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	0.32	+9.6
10469	AAU	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	0.50	+9.6
10470	AAU	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.02	+9.6
10471	AAU	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	0.32	+9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ¹ w = 2
10472	AAV	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 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	8.82	±0.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.67	±0.6
10477	AAQ	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.92	±0.6
10478	AAQ	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.67	±0.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
10480	AAC	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	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±0.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±0.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.26	±0.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±0.6
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±0.6
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±0.6
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.90	±0.6
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±0.6
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±0.6
10490	AAE	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.6
10491	AAE	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	8.55	±0.6
10494	AAE	LTE-TDD (SC-FDMA, 50% RB, 20MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.76	±0.6
10495	AAE	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±0.6
10496	AAE	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±0.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±0.6
10499	AAC	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	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.62	±0.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±0.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.62	±0.6
10503	AAE	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±0.6
10504	AAE	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.21	±0.6
10505	AAE	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.6
10506	AAE	LTE-TDD (SC-FDMA, 100% RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
10507	AAE	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±0.6
10508	AAE	LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±0.6
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±0.6
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±0.6
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.61	±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	8.45	±0.6
10515	AAA	IEEE 802.11b WIF 2.4GHz (DSSS, 2Mbps, 99pc duty cycle)	WLAN	1.58	±0.6
10516	AAA	IEEE 802.11b WIF 2.4GHz (DSSS, 5.5Mbps, 99pc duty cycle)	WLAN	1.57	±0.6
10517	AAA	IEEE 802.11b WIF 2.4GHz (DSSS, 11Mbps, 99pc duty cycle)	WLAN	1.50	±0.6
10518	AAD	IEEE 802.11a WIF 5GHz (OFDM, 8Mbps, 99pc duty cycle)	WLAN	0.23	±0.6
10519	AAD	IEEE 802.11a WIF 5GHz (OFDM, 12Mbps, 99pc duty cycle)	WLAN	0.39	±0.6
10520	AAD	IEEE 802.11a WIF 5GHz (OFDM, 18Mbps, 99pc duty cycle)	WLAN	0.12	±0.6
10521	AAD	IEEE 802.11a WIF 5GHz (OFDM, 24Mbps, 99pc duty cycle)	WLAN	7.87	±0.6
10522	AAD	IEEE 802.11a WIF 5GHz (OFDM, 36Mbps, 99pc duty cycle)	WLAN	8.45	±0.6
10523	AAD	IEEE 802.11a WIF 5GHz (OFDM, 48Mbps, 99pc duty cycle)	WLAN	8.08	±0.6
10524	AAD	IEEE 802.11a WIF 5GHz (OFDM, 54Mbps, 99pc duty cycle)	WLAN	6.27	±0.6
10525	AAD	IEEE 802.11ac WIF (20MHz, MCS0, 89pc duty cycle)	WLAN	0.36	±0.6
10526	AAD	IEEE 802.11ac WIF (20MHz, MCS1, 89pc duty cycle)	WLAN	0.42	±0.6
10527	AAD	IEEE 802.11ac WIF (20MHz, MCS2, 89pc duty cycle)	WLAN	0.21	±0.6
10528	AAD	IEEE 802.11ac WIF (20MHz, MCS3, 89pc duty cycle)	WLAN	0.36	±0.6
10529	AAD	IEEE 802.11ac WIF (20MHz, MCS4, 89pc duty cycle)	WLAN	0.36	±0.6
10530	AAD	IEEE 802.11ac WIF (20MHz, MCS6, 89pc duty cycle)	WLAN	0.43	±0.6
10531	AAD	IEEE 802.11ac WIF (20MHz, MCS7, 89pc duty cycle)	WLAN	0.29	±0.6
10532	AAD	IEEE 802.11ac WIF (20MHz, MCS8, 89pc duty cycle)	WLAN	0.30	±0.6
10533	AAD	IEEE 802.11ac WIF (40MHz, MCS0, 99pc duty cycle)	WLAN	0.40	±0.6
10534	AAD	IEEE 802.11ac WIF (40MHz, MCS1, 99pc duty cycle)	WLAN	0.40	±0.6
10535	AAD	IEEE 802.11ac WIF (40MHz, MCS2, 99pc duty cycle)	WLAN	0.32	±0.6
10536	AAD	IEEE 802.11ac WIF (40MHz, MCS3, 99pc duty cycle)	WLAN	0.44	±0.6
10537	AAD	IEEE 802.11ac WIF (40MHz, MCS4, 99pc duty cycle)	WLAN	0.54	±0.6
10538	AAD	IEEE 802.11ac WIF (40MHz, MCS5, 99pc duty cycle)	WLAN	0.33	±0.6

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Item	Rev	Communication System Name	Group	PAR (dB)	Unc ¹ k = 2
10541	AAD	IEEE 802.11ac WiFi (40MHz, MCS7, 50ps duty cycle)	WLAN	8.45	±0.6
10542	AAD	IEEE 802.11ac WiFi (40MHz, MCS8, 50ps duty cycle)	WLAN	8.65	±0.6
10543	AAD	IEEE 802.11ac WiFi (40MHz, MCS9, 50ps duty cycle)	WLAN	8.85	±0.6
10544	AAD	IEEE 802.11ac WiFi (80MHz, MCS9, 50ps duty cycle)	WLAN	8.47	±0.6
10545	AAD	IEEE 802.11ac WiFi (80MHz, MCS1, 50ps duty cycle)	WLAN	8.55	±0.6
10546	AAD	IEEE 802.11ac WiFi (80MHz, MCS2, 50ps duty cycle)	WLAN	8.35	±0.6
10547	AAD	IEEE 802.11ac WiFi (80MHz, MCS3, 50ps duty cycle)	WLAN	8.49	±0.6
10548	AAD	IEEE 802.11ac WiFi (80MHz, MCS4, 50ps duty cycle)	WLAN	8.37	±0.6
10549	AAD	IEEE 802.11ac WiFi (80MHz, MCS5, 50ps duty cycle)	WLAN	8.38	±0.6
10550	AAD	IEEE 802.11ac WiFi (80MHz, MCS6, 50ps duty cycle)	WLAN	8.50	±0.6
10551	AAD	IEEE 802.11ac WiFi (80MHz, MCS7, 50ps duty cycle)	WLAN	8.42	±0.6
10552	AAD	IEEE 802.11ac WiFi (80MHz, MCS8, 50ps duty cycle)	WLAN	8.45	±0.6
10553	AAD	IEEE 802.11ac WiFi (160MHz, MCS0, 50ps duty cycle)	WLAN	8.46	±0.6
10554	AAD	IEEE 802.11ac WiFi (160MHz, MCS1, 50ps duty cycle)	WLAN	8.47	±0.6
10555	AAD	IEEE 802.11ac WiFi (160MHz, MCS2, 50ps duty cycle)	WLAN	8.50	±0.6
10556	AAD	IEEE 802.11ac WiFi (160MHz, MCS3, 50ps duty cycle)	WLAN	8.52	±0.6
10557	AAD	IEEE 802.11ac WiFi (160MHz, MCS4, 50ps duty cycle)	WLAN	8.51	±0.6
10558	AAD	IEEE 802.11ac WiFi (160MHz, MCS5, 50ps duty cycle)	WLAN	8.73	±0.6
10559	AAD	IEEE 802.11ac WiFi (160MHz, MCS6, 50ps duty cycle)	WLAN	8.58	±0.6
10560	AAD	IEEE 802.11ac WiFi (160MHz, MCS7, 50ps duty cycle)	WLAN	8.59	±0.6
10561	AAD	IEEE 802.11ac WiFi (160MHz, MCS8, 50ps duty cycle)	WLAN	8.77	±0.6
10562	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 9Mbps, 50ps duty cycle)	WLAN	8.25	±0.6
10563	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 12Mbps, 50ps duty cycle)	WLAN	8.45	±0.6
10564	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 18Mbps, 50ps duty cycle)	WLAN	8.12	±0.6
10565	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 24Mbps, 50ps duty cycle)	WLAN	8.00	±0.6
10566	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 36Mbps, 50ps duty cycle)	WLAN	8.37	±0.6
10567	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 48Mbps, 50ps duty cycle)	WLAN	8.10	±0.6
10568	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 54Mbps, 50ps duty cycle)	WLAN	8.30	±0.6
10569	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS, 1Mbps, 50ps duty cycle)	WLAN	7.99	±0.6
10570	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS, 2Mbps, 50ps duty cycle)	WLAN	7.99	±0.6
10571	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS, 5.5Mbps, 50ps duty cycle)	WLAN	7.99	±0.6
10572	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS, 11Mbps, 50ps duty cycle)	WLAN	7.99	±0.6
10573	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 6Mbps, 50ps duty cycle)	WLAN	8.59	±0.6
10574	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 9Mbps, 50ps duty cycle)	WLAN	8.50	±0.6
10575	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 12Mbps, 50ps duty cycle)	WLAN	8.30	±0.6
10576	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 18Mbps, 50ps duty cycle)	WLAN	8.49	±0.6
10577	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 24Mbps, 50ps duty cycle)	WLAN	8.36	±0.6
10578	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 36Mbps, 50ps duty cycle)	WLAN	8.78	±0.6
10579	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 48Mbps, 50ps duty cycle)	WLAN	8.35	±0.6
10580	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 54Mbps, 50ps duty cycle)	WLAN	8.07	±0.6
10581	AAA	IEEE 802.11a WiFi 5GHz (OFDM, 6Mbps, 50ps duty cycle)	WLAN	8.59	±0.6
10582	AAA	IEEE 802.11a WiFi 5GHz (OFDM, 9Mbps, 50ps duty cycle)	WLAN	8.60	±0.6
10583	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 12Mbps, 50ps duty cycle)	WLAN	8.70	±0.6
10584	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 18Mbps, 50ps duty cycle)	WLAN	8.40	±0.6
10585	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 24Mbps, 50ps duty cycle)	WLAN	8.36	±0.6
10586	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 36Mbps, 50ps duty cycle)	WLAN	8.70	±0.6
10587	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 48Mbps, 50ps duty cycle)	WLAN	8.35	±0.6
10588	AAD	IEEE 802.11a WiFi 5GHz (OFDM, 54Mbps, 50ps duty cycle)	WLAN	8.07	±0.6
10589	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS0, 50ps duty cycle)	WLAN	8.53	±0.6
10590	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS1, 50ps duty cycle)	WLAN	8.70	±0.6
10591	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS2, 50ps duty cycle)	WLAN	8.54	±0.6
10592	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS3, 50ps duty cycle)	WLAN	8.74	±0.6
10593	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS4, 50ps duty cycle)	WLAN	8.70	±0.6
10594	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS5, 50ps duty cycle)	WLAN	8.71	±0.6
10595	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS6, 50ps duty cycle)	WLAN	8.72	±0.6
10596	AAD	IEEE 802.11n HT Mixed, 20MHz, MCS7, 50ps duty cycle)	WLAN	8.60	±0.6
10597	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS0, 50ps duty cycle)	WLAN	8.70	±0.6
10598	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS1, 50ps duty cycle)	WLAN	8.68	±0.6
10599	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS2, 50ps duty cycle)	WLAN	8.62	±0.6
10600	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS3, 50ps duty cycle)	WLAN	8.94	±0.6
10601	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS4, 50ps duty cycle)	WLAN	8.02	±0.6
10602	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS5, 50ps duty cycle)	WLAN	8.76	±0.6
10603	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS6, 50ps duty cycle)	WLAN	8.07	±0.6
10604	AAD	IEEE 802.11n HT Mixed, 40MHz, MCS7, 50ps duty cycle)	WLAN	8.82	±0.6
10605	AAD	IEEE 802.11ac WiFi (20MHz, MCS0, 50ps duty cycle)	WLAN	8.81	±0.6
10606	AAD	IEEE 802.11ac WiFi (20MHz, MCS1, 50ps duty cycle)	WLAN	8.77	±0.6

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10609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 90ps duty cycle)	WLAN	8.57	±9.6
10610	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 90ps duty cycle)	WLAN	8.70	±9.6
10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90ps duty cycle)	WLAN	8.79	±9.6
10612	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 90ps duty cycle)	WLAN	8.77	±9.6
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90ps duty cycle)	WLAN	8.94	±9.6
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90ps duty cycle)	WLAN	8.59	±9.6
10615	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90ps duty cycle)	WLAN	8.82	±9.6
10616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90ps duty cycle)	WLAN	8.82	±9.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90ps duty cycle)	WLAN	8.81	±9.6
10618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90ps duty cycle)	WLAN	8.58	±9.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90ps duty cycle)	WLAN	8.88	±9.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90ps duty cycle)	WLAN	8.67	±9.6
10621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90ps duty cycle)	WLAN	8.77	±9.6
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90ps duty cycle)	WLAN	8.88	±9.6
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90ps duty cycle)	WLAN	8.82	±9.6
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90ps duty cycle)	WLAN	8.95	±9.6
10625	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90ps duty cycle)	WLAN	8.95	±9.6
10626	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90ps duty cycle)	WLAN	8.83	±9.6
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90ps duty cycle)	WLAN	8.88	±9.6
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90ps duty cycle)	WLAN	8.71	±9.6
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90ps duty cycle)	WLAN	8.85	±9.6
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90ps duty cycle)	WLAN	8.72	±9.6
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90ps duty cycle)	WLAN	8.81	±9.6
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90ps duty cycle)	WLAN	8.74	±9.6
10633	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90ps duty cycle)	WLAN	8.83	±9.6
10634	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90ps duty cycle)	WLAN	8.80	±9.6
10635	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90ps duty cycle)	WLAN	8.81	±9.6
10636	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90ps duty cycle)	WLAN	8.83	±9.6
10637	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90ps duty cycle)	WLAN	8.70	±9.6
10638	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90ps duty cycle)	WLAN	8.88	±9.6
10639	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90ps duty cycle)	WLAN	8.85	±9.6
10640	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90ps duty cycle)	WLAN	8.89	±9.6
10641	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90ps duty cycle)	WLAN	9.05	±9.6
10642	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 90ps duty cycle)	WLAN	9.05	±9.6
10643	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 90ps duty cycle)	WLAN	8.83	±9.6
10644	AAD	IEEE 802.11ac WiFi (160 MHz, MCS10, 90ps duty cycle)	WLAN	9.05	±9.6
10645	AAB	IEEE 802.11ac WiFi (160 MHz, MCS8, 90ps duty cycle)	WLAN	8.11	±9.6
10646	AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2, 7)	LTE-TDD	11.56	±9.6
10647	AAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2, 7)	LTE-TDD	11.56	±9.6
10648	AAB	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10649	AAB	LTE-TDD (OFDMA, 5 MHz, F-TMS1, Clipping 44%)	LTE-TDD	0.81	±9.6
10650	AAB	LTE-TDD (OFDMA, 10 MHz, F-TMS1, Clipping 44%)	LTE-TDD	7.42	±9.6
10651	AAB	LTE-TDD (OFDMA, 15 MHz, F-TMS1, Clipping 44%)	LTE-TDD	3.85	±9.6
10652	AAB	LTE-TDD (OFDMA, 20 MHz, F-TMS1, Clipping 44%)	LTE-TDD	7.21	±9.6
10653	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10654	AAB	Pulse Waveform (200Hz, 20%)	Test	8.99	±9.6
10655	AAB	Pulse Waveform (200Hz, 40%)	Test	3.88	±9.6
10656	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
10657	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
10658	AAB	Pulse Waveform (200Hz, 90%)	Test	0.57	±9.6
10659	AAB	Bluetooth Low Energy	Bluetooth	2.19	±9.6
10660	AAD	IEEE 802.11ax (20 MHz, MCS0, 90ps duty cycle)	WLAN	8.09	±9.6
10661	AAD	IEEE 802.11ax (20 MHz, MCS1, 90ps duty cycle)	WLAN	8.57	±9.6
10662	AAD	IEEE 802.11ax (20 MHz, MCS2, 90ps duty cycle)	WLAN	8.78	±9.6
10663	AAD	IEEE 802.11ax (20 MHz, MCS3, 90ps duty cycle)	WLAN	8.74	±9.6
10664	AAD	IEEE 802.11ax (20 MHz, MCS4, 90ps duty cycle)	WLAN	8.90	±9.6
10665	AAD	IEEE 802.11ax (20 MHz, MCS5, 90ps duty cycle)	WLAN	8.77	±9.6
10666	AAD	IEEE 802.11ax (20 MHz, MCS6, 90ps duty cycle)	WLAN	8.75	±9.6
10667	AAD	IEEE 802.11ax (20 MHz, MCS7, 90ps duty cycle)	WLAN	8.76	±9.6
10668	AAD	IEEE 802.11ax (20 MHz, MCS8, 90ps duty cycle)	WLAN	8.89	±9.6
10669	AAD	IEEE 802.11ax (20 MHz, MCS9, 90ps duty cycle)	WLAN	8.80	±9.6
10670	AAD	IEEE 802.11ax (20 MHz, MCS10, 90ps duty cycle)	WLAN	8.57	±9.6
10671	AAD	IEEE 802.11ax (20 MHz, MCS11, 90ps duty cycle)	WLAN	8.93	±9.6
10672	AAD	IEEE 802.11ax (20 MHz, MCS12, 90ps duty cycle)	WLAN	8.42	±9.6
10673	AAD	IEEE 802.11ax (20 MHz, MCS13, 90ps duty cycle)	WLAN	8.26	±9.6
10674	AAD	IEEE 802.11ax (20 MHz, MCS14, 90ps duty cycle)	WLAN	8.38	±9.6
10675	AAD	IEEE 802.11ax (20 MHz, MCS15, 90ps duty cycle)	WLAN	8.28	±9.6

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	-9.5
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	-9.5
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	-9.5
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	-9.5
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	-9.5
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	-9.5
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	-9.5
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	-9.5
10695	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.78	-9.5
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.91	-9.5
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.61	-9.5
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.88	-9.5
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.82	-9.5
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.75	-9.5
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.88	-9.5
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.70	-9.5
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.62	-9.5
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.56	-9.5
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.69	-9.5
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.66	-9.5
10707	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.32	-9.5
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	-9.5
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	-9.5
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.20	-9.5
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.38	-9.5
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	-9.5
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	-9.5
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	-9.5
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.48	-9.5
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	-9.5
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	-9.5
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	-9.5
10719	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.21	-9.5
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.67	-9.5
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.76	-9.5
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.55	-9.5
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.70	-9.5
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.50	-9.5
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.74	-9.5
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.72	-9.5
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.66	-9.5
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.66	-9.5
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.64	-9.5
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.67	-9.5
10731	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	-9.5
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	-9.5
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	-9.5
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	-9.5
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	-9.5
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	-9.5
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	-9.5
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	-9.5
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.28	-9.5
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	-9.5
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.46	-9.5
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	-9.5
10743	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.94	-9.5
10744	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	9.16	-9.5
10745	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.93	-9.5
10746	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	9.11	-9.5
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	9.04	-9.5
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.99	-9.5
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.90	-9.5
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.79	-9.5
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.82	-9.5
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.88	-9.5

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10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	9.00	±0.8
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	9.34	±0.8
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	9.84	±0.8
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	9.77	±0.8
10757	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	9.77	±0.8
10758	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	9.69	±0.8
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	9.58	±0.8
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	9.49	±0.8
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	9.59	±0.8
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	9.49	±0.8
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	9.53	±0.8
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	9.64	±0.8
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	9.54	±0.8
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	9.51	±0.8
10767	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.90	±0.8
10768	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±0.8
10769	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±0.8
10770	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±0.8
10771	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±0.8
10772	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±0.8
10773	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.93	±0.8
10774	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.82	±0.8
10775	AAC	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±0.8
10776	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±0.8
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±0.8
10778	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±0.8
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±0.8
10780	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.28	±0.8
10781	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±0.8
10782	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±0.8
10783	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±0.8
10784	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±0.8
10785	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±0.8
10786	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±0.8
10787	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±0.8
10788	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±0.8
10789	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±0.8
10790	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±0.8
10791	AAC	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±0.8
10792	AAC	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±0.8
10793	AAC	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±0.8
10794	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±0.8
10795	AAC	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.64	±0.8
10796	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±0.8
10797	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±0.8
10798	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±0.8
10799	AAC	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±0.8
10800	AAC	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.88	±0.8
10801	AAC	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±0.8
10802	AAC	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.96	±0.8
10803	AAC	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.8
10804	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±0.8
10805	AAC	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.8
10806	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.8
10807	AAC	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±0.8
10808	AAC	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±0.8
10809	AAC	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.8
10810	AAC	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±0.8
10811	AAC	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±0.8
10812	AAC	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.8
10813	AAC	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±0.8
10814	AAC	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±0.8
10815	AAC	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±0.8
10816	AAC	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±0.8
10817	AAC	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±0.8
10818	AAC	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±0.8
10819	AAC	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±0.8

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10825	AAF	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.40	±0.6
10826	AAE	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.69	±0.6
10827	AAE	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.75	±0.6
10828	AAE	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.74	±0.6
10829	AAE	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.70	±0.6
10830	AAE	5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.75	±0.6
10831	AAE	5G NR (CP-OFDM, 1 RB, 35MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.70	±0.6
10832	AAE	5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.66	±0.6
10833	AAE	5G NR (CP-OFDM, 1 RB, 45MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.60	±0.6
10834	AAE	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.60	±0.6
10835	AAE	5G NR (CP-OFDM, 1 RB, 55MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.60	±0.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 60MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.60	±0.6
10837	AAE	5G NR (CP-OFDM, 1 RB, 65MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.60	±0.6
10838	AAE	5G NR (CP-OFDM, 1 RB, 70MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.60	±0.6
10839	AAE	5G NR (CP-OFDM, 1 RB, 75MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.60	±0.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.60	±0.6
10841	AAE	5G NR (CP-OFDM, 1 RB, 85MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.60	±0.6
10842	AAE	5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.60	±0.6
10843	AAE	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.48	±0.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.6
10845	AAE	5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±0.6
10846	AAE	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±0.6
10847	AAE	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.30	±0.6
10848	AAE	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.37	±0.6
10849	AAE	5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.25	±0.6
10850	AAE	5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.26	±0.6
10851	AAE	5G NR (CP-OFDM, 100% RB, 40MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.24	±0.6
10852	AAE	5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±0.6
10853	AAE	5G NR (CP-OFDM, 100% RB, 60MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.40	±0.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 70MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±0.6
10855	AAE	5G NR (CP-OFDM, 100% RB, 80MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.37	±0.6
10856	AAE	5G NR (CP-OFDM, 100% RB, 90MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±0.6
10857	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	±0.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10859	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.86	±0.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10861	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10862	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10863	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10865	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10866	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10867	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10868	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10869	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10870	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10871	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10872	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10873	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10874	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10875	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10877	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10879	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10881	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10882	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10883	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10884	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10885	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10886	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10887	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10889	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10891	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10893	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10894	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10895	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10896	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10897	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10898	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10899	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10900	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10901	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10902	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10903	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10904	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10905	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10906	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10907	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10908	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10909	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6
10910	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±0.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Limit X-2
10911	AA3	5G NR (CFT-s-OFDM, 50% RB, 25MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.98	-19.6
10912	AA0	5G NR (CFT-s-OFDM, 50% RB, 30MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.84	-19.6
10913	AA0	5G NR (CFT-s-OFDM, 50% RB, 40MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.84	-19.6
10914	AA0	5G NR (CFT-s-OFDM, 50% RB, 50MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.65	-19.6
10915	AA0	5G NR (CFT-s-OFDM, 50% RB, 60MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.65	-19.6
10916	AA0	5G NR (CFT-s-OFDM, 50% RB, 80MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.67	-19.6
10917	AA0	5G NR (CFT-s-OFDM, 50% RB, 100MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.94	-19.6
10918	AAE	5G NR (CFT-s-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.86	-19.6
10919	AA0	5G NR (CFT-s-OFDM, 100% RB, 10MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.86	-19.6
10920	AA3	5G NR (CFT-s-OFDM, 100% RB, 15MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.87	-19.6
10921	AA0	5G NR (CFT-s-OFDM, 100% RB, 20MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.84	-19.6
10922	AA3	5G NR (CFT-s-OFDM, 100% RB, 25MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.82	-19.6
10923	AA0	5G NR (CFT-s-OFDM, 100% RB, 30MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.84	-19.6
10924	AA0	5G NR (CFT-s-OFDM, 100% RB, 40MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.84	-19.6
10925	AA0	5G NR (CFT-s-OFDM, 100% RB, 50MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.85	-19.6
10926	AA0	5G NR (CFT-s-OFDM, 100% RB, 60MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.84	-19.6
10927	AA0	5G NR (CFT-s-OFDM, 100% RB, 80MHz, QPSK, 30kHz)	5G NR-FR1 TDD	5.84	-19.6
10928	AA0	5G NR (CFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.98	-19.6
10929	AA0	5G NR (CFT-s-OFDM, 1 RB, 10MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.92	-19.6
10930	AA0	5G NR (CFT-s-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.92	-19.6
10931	AA0	5G NR (CFT-s-OFDM, 1 RB, 20MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.51	-19.6
10932	AA0	5G NR (CFT-s-OFDM, 1 RB, 25MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.51	-19.6
10933	AA0	5G NR (CFT-s-OFDM, 1 RB, 30MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.51	-19.6
10934	AA0	5G NR (CFT-s-OFDM, 1 RB, 40MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.51	-19.6
10935	AA0	5G NR (CFT-s-OFDM, 1 RB, 50MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.51	-19.6
10936	AA0	5G NR (CFT-s-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.90	-19.6
10937	AA0	5G NR (CFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.77	-19.6
10938	AA0	5G NR (CFT-s-OFDM, 50% RB, 15MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.90	-19.6
10939	AA0	5G NR (CFT-s-OFDM, 50% RB, 20MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.82	-19.6
10940	AA0	5G NR (CFT-s-OFDM, 50% RB, 25MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.89	-19.6
10941	AA0	5G NR (CFT-s-OFDM, 50% RB, 30MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.83	-19.6
10942	AA0	5G NR (CFT-s-OFDM, 50% RB, 40MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.85	-19.6
10943	AA0	5G NR (CFT-s-OFDM, 50% RB, 50MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.95	-19.6
10944	AA0	5G NR (CFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.81	-19.6
10945	AA0	5G NR (CFT-s-OFDM, 100% RB, 10MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.85	-19.6
10946	AA0	5G NR (CFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.83	-19.6
10947	AA0	5G NR (CFT-s-OFDM, 100% RB, 20MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.87	-19.6
10948	AA0	5G NR (CFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.84	-19.6
10949	AA0	5G NR (CFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.87	-19.6
10950	AA0	5G NR (CFT-s-OFDM, 100% RB, 40MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.94	-19.6
10951	AA0	5G NR (CFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz)	5G NR-FR1 FDD	5.92	-19.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR-FR1 FDD	9.95	-19.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz)	5G NR-FR1 FDD	9.15	-19.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR-FR1 FDD	9.95	-19.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)	5G NR-FR1 FDD	9.42	-19.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz)	5G NR-FR1 FDD	9.14	-19.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)	5G NR-FR1 FDD	9.31	-19.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	5G NR-FR1 FDD	9.61	-19.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)	5G NR-FR1 FDD	9.33	-19.6
10960	AAE	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR-FR1 TDD	9.37	-19.6
10961	AA0	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz)	5G NR-FR1 TDD	9.38	-19.6
10962	AAE	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR-FR1 TDD	9.43	-19.6
10963	AA0	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)	5G NR-FR1 TDD	9.55	-19.6
10964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz)	5G NR-FR1 TDD	9.29	-19.6
10965	AA0	5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)	5G NR-FR1 TDD	9.37	-19.6
10966	AAE	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	5G NR-FR1 TDD	9.55	-19.6
10967	AA0	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)	5G NR-FR1 TDD	9.42	-19.6
10968	AA0	5G NR DL (CP-OFDM, TM 3.1, 100MHz, 64-QAM, 30kHz)	5G NR-FR1 TDD	9.49	-19.6
10972	AA0	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 15kHz)	5G NR-FR1 TDD	11.59	-19.6
10973	AA0	5G NR (CFT-s-OFDM, 1 RB, 100MHz, QPSK, 30kHz)	5G NR-FR1 TDD	9.06	-19.6
10974	AA0	5G NR (CP-OFDM, 100% RB, 100MHz, 256-QAM, 30kHz)	5G NR-FR1 TDD	9.28	-19.6
10976	AAA	ULLA HDR	ULLA	1.16	-19.6
10979	AAA	ULLA HDR4	ULLA	6.58	-19.6
10980	AAA	ULLA HDR6	ULLA	16.32	-19.6
10981	AAA	ULLA HDRp4	ULLA	3.19	-19.6
10983	AAA	ULLA HDRp6	ULLA	3.43	-19.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.02	±9.6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.58	±9.6
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 80MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.59	±9.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.28	±9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.52	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	10.73	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 25MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	9.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	9.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	9.08	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	9.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	9.75	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	9.85	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	9.98	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	9.58	±9.6
11013	AAB	IEEE 802.11be (320MHz, MCS1, 99ps duty cycle)	WLAN	9.47	±9.6
11014	AAB	IEEE 802.11be (320MHz, MCS2, 99ps duty cycle)	WLAN	9.45	±9.6
11015	AAB	IEEE 802.11be (320MHz, MCS3, 99ps duty cycle)	WLAN	9.44	±9.6
11016	AAB	IEEE 802.11be (320MHz, MCS4, 99ps duty cycle)	WLAN	9.44	±9.6
11017	AAB	IEEE 802.11be (320MHz, MCS5, 99ps duty cycle)	WLAN	9.41	±9.6
11018	AAB	IEEE 802.11be (320MHz, MCS6, 99ps duty cycle)	WLAN	9.40	±9.6
11018	AAB	IEEE 802.11be (320MHz, MCS7, 99ps duty cycle)	WLAN	9.29	±9.6
11020	AAB	IEEE 802.11be (320MHz, MCS8, 99ps duty cycle)	WLAN	9.27	±9.6
11021	AAB	IEEE 802.11be (320MHz, MCS9, 99ps duty cycle)	WLAN	9.46	±9.6
11022	AAB	IEEE 802.11be (320MHz, MCS10, 99ps duty cycle)	WLAN	9.38	±9.6
11023	AAB	IEEE 802.11be (320MHz, MCS11, 99ps duty cycle)	WLAN	9.09	±9.6
11024	AAB	IEEE 802.11be (320MHz, MCS12, 99ps duty cycle)	WLAN	9.42	±9.6
11025	AAB	IEEE 802.11be (320MHz, MCS13, 99ps duty cycle)	WLAN	9.37	±9.6
11026	AAB	IEEE 802.11be (320MHz, MCS14, 99ps duty cycle)	WLAN	9.33	±9.6

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

Appendix A.4 System Calibration certificate (5G Verification Source 10 GHz 1023)

Calibration Laboratory of
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Zeughausstrasse 43, 8004 Zurich, Switzerland



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Accreditation No.: **SCS 0108**

Client: **Eurofins KCTL**
Gyeonggi-do, Republic of Korea

Certificate No. **5G-Veri10-1023_Jan25**

CALIBRATION CERTIFICATE

Object: **5G Verification Source 10 GHz - SN: 1023**

Calibration procedure(s): **QA-CAL-45.v5**
Calibration procedure for sources in air > 6 GHz

Calibration date: **January 14, 2025**

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 Cal
Reference Probe SPEAG EUMmWV3	SN: 8374	28-Aug-24 (No. EumW_8374_Aug24)	Aug-25
DAE4ip	SN: 1602	06-Nov-24 (No. DAE4p_1602_Nov24)	Nov-25
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Signal Generator R&S SMF100A	SN: 100184	26-Nov-24 (No. 5G-Source-Cal-IHC-202411)	Nov-25
Power Sensor R&S NRP-8S-10	SN: 101258	28-Nov-24 (No. 5G-Source-Cal-IHC-202411)	Nov-25
Network Analyzer Keysight E5060A	SN: MY54504221	30-Sept-24 (No. 875-CAL18-S4489-Sept24)	Sept-26

	Name	Function	Signature
Calibrated by	Leif Klynsner	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.			

Issued: January 19, 2025

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



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Accreditation No.: SCS 0108

Glossary

CW Continuous wave

Calibration is Performed According to the Following Standards

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

Methods Applied and Interpretation of Parameters

- Coordinate System:** z-axis is the waveguide horn bore-sight, x-axis is in the direction of the E-field, y-axis normal to the others in the field scanning plane parallel to the horn flare and horn flange.
- Measurement Conditions:** (1) 10 GHz: The radiated power is the forward power to the horn antenna minus ohmic and mismatch loss. The forward power is measured prior and after the measurement with a power sensor. During the measurements, the horn is directly connected to the cable and the antenna ohmic and mismatch losses are determined by far-field measurements. (2) 30, 45, 60 and 90 GHz: The verification sources are switched on for at least 30 minutes. Absorbers are used around the probe cub and at the ceiling to minimize reflections.
- Horn Positioning:** The waveguide horn is mounted vertically on the flange of the waveguide source to allow vertical positioning of the EUMMW probe during the scan. The plane is parallel to the phantom surface. Probe distance is verified using mechanical gauges positioned on the flange of the horn.
- E-field distribution:** The E-field is measured in two x-y-planes (10mm, 10mm ± 1/4) with a vectorial E-field probe. The E-field value stated as calibration value represents the E-field-maxima and the averaged (1cm² and 4cm²) power density values at 10mm in front of the horn.
- Field polarization:** Above the open horn, linear polarization of the field is expected. This is verified graphically in the field representation.

Calibrated Quantity

- Local peak E-field (V/m) and average of peak spatial components of the poynting vector (W/m²) averaged over the surface area of 1 cm² and 4cm² at the nominal operational frequency of the verification source. Both square and circular averaging results are listed.

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

5G Verification Source 10 GHz - SN: 1023

January 14, 2025

Measurement Conditions

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

DASY Version	DASY8 Modulus mmWave	V3.2
Phantom	5G Phantom	
Distance Horn Aperture - plane	10 mm	
Number of measured planes	2 (10mm, 10mm ± 3/4)	
Frequency	10.0 GHz ± 10 MHz	

Calibration Parameters, 10 GHz

Circular Averaging

Distance Horn Aperture to Measurement Plane	Prad ¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Avg Power Density Avg (psPDn+, psPDtot+, psPDmod+) (W/m ²)		Uncertainty (k = 2)
				1cm ²	4cm ²	
10 mm	93.3	150	1.27 dB	58.8	55.1	1.28 dB

Distance Horn Aperture to Measurement Plane	Prad ¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Power Density psPDn+, psPDtot+, psPDmod+ (W/m ²)		Uncertainty (k = 2)
				1cm ²	4cm ²	
10 mm	93.3	150	1.27 dB	58.6, 58.8, 59.0	54.8, 55.2, 55.4	1.28 dB

Square Averaging

Distance Horn Aperture to Measurement Plane	Prad ¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Avg Power Density Avg (psPDn+, psPDtot+, psPDmod+) (W/m ²)		Uncertainty (k = 2)
				1cm ²	4cm ²	
10 mm	93.3	150	1.27 dB	58.8	55.0	1.28 dB

Distance Horn Aperture to Measurement Plane	Prad ¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Power Density psPDn+, psPDtot+, psPDmod+ (W/m ²)		Uncertainty (k = 2)
				1cm ²	4cm ²	
10 mm	93.3	150	1.27 dB	58.6, 58.7, 59.0	54.7, 55.0, 55.3	1.28 dB

Max Power Density

Distance Horn Aperture to Measurement Plane	Prad ¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Max Power Density Sn, Stot, Stot (W/m ²)		Uncertainty (k = 2)
10 mm	93.3	150	1.27 dB	59.9, 60.0, 60.3		1.28 dB

¹ Assessed ohmic and mismatch loss plus numerical effect: 0.30 dB

5G Verification Source 10 GHz - SN: 1023

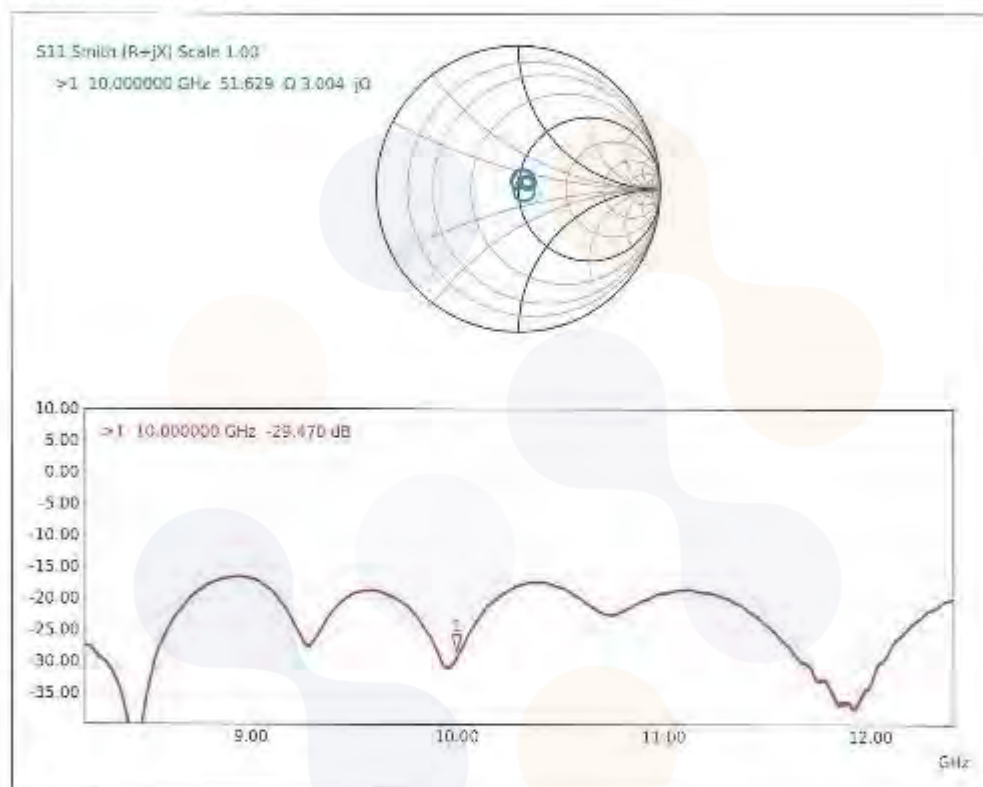
January 14, 2025

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters

Impedance, transformed to feed point	51.6 Ω + 3.0 j Ω
Return Loss	-29.5 dB

Impedance Measurement Plot



5G Verification Source 10 GHz - SN: 1023

January 14, 2025

DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000.0 (10000.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	UID	DUT Type
5G Verification Source 10 GHz	100.0 x 105.0 x 172.0	SN: 1023	-

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G -	10.0 mm	Verification band	CW, 0 -	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAS, Calibration Date
mmWave Phantom -	Air -	EUmetAV3 - SN8374_F1 - 5GClz: 2024-08-28	DAS1z - SN1002, 2024-11-06

Scans Setup

Sensor Surface Area	10.0
MMA	MMA not used

Measurement Results

Scan Type	SD Scan
Date	2025-01-14
Avg. Area [cm ²]	1.00
Avg. Type	Circular Averaging
psfDen- [W/m ²]	58.2
psfDen- [W/m ²]	58.8
psfDenmax- [W/m ²]	59.0
Max(Sq) [W/m ²]	59.5
Max(S10) [W/m ²]	60.6
Max(S50) [W/m ²]	60.3
E _{max} [V/m]	1.50
Power Out [dB]	-0.0



5G Verification Source 10 GHz - SN: 1023

January 14, 2025

DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 --, Channel 10000.0 (10000.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions (mm)	IMEI	DUT Type
5G Verification Source 10 GHz	100.0 x 100.0 x 172.0	SN: 1023	—

Exposure Conditions

Phantom Section	Position, Test Distance (mm)	Band	Group, UID	Frequency (MHz)	Channel Number	Conversion Factor
SC--	100.0 mm	Validation band	CW, 0--	10000.0, 10000	—	1.0

Hardware Setup

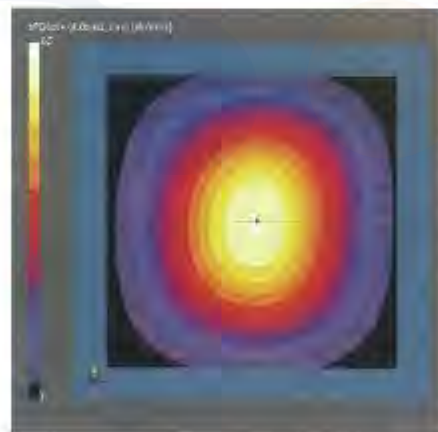
Phantom	Medium	Probe, Calibration Date	DRE, Calibration Date
mmWave Phantom --	Air --	EJmmWV3 - SN1374, F1-35GHz, 2024-08-28	DA64p - SN1502, 2024-11-08

Scans Setup

Sensor Surface (mm)	100
WNA	MNA not used

Measurement Results

Scan Type	5G Scan
Date	2025-01-14
Avg. Area (cm ²)	4.00
Avg. Type	Circular Averaging
psPRD-- (W/m ²)	54.6
psPRDct-- (W/m ²)	55.2
psPRDmod-- (W/m ²)	55.4
Max50m (W/m ²)	59.3
Max50m1 (W/m ²)	60.0
Max100m1 (W/m ²)	60.3
E _{max} (V/m)	0.50
Power Drift (dB)	0.0



5G Verification Source 10 GHz - SN: 1023

January 14, 2025

DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000.0 (10000.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions (mm)	IMEI	CUT Type
5G Verification Source 10 GHz	100.0 x 100.0 x 172.0	SN: 1023	-

Exposure Conditions

Phantom Section	Position, Test Distance (mm)	Band	Group, UID	Frequency (MHz), Channel Number	Conversion Factor
SC	10.0 mm	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

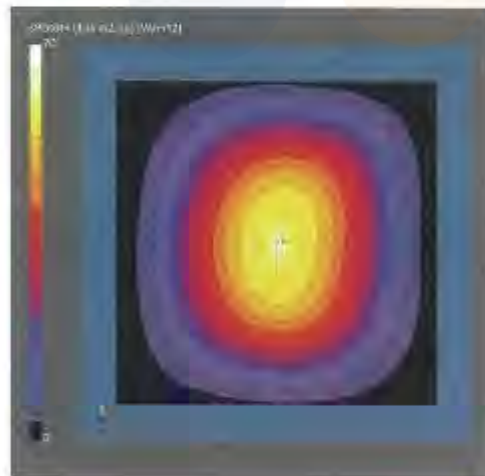
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom -	Air -	FUmmWV3 - SN9374_F1-15GHz, 2024-08-28	DAE4ip - SN1602, 2024-11-06

Scans Setup

Sensor Surface (mm)	10.0
MAIA	MAIA not used

Measurement Results

Scan Type	5G Scan
Date	2025-01-14
Avg. Area (cm ²)	1.00
Avg. Type	Square Averaging
psPDn+ (W/m ²)	58.6
psPDnt+ (W/m ²)	58.7
psPDmod+ (W/m ²)	59.0
Max(Sn) (W/m ²)	59.9
Max(Snt) (W/m ²)	60.0
Max(Smod) (W/m ²)	60.3
E _{max} (V/m)	150
Power Drift (dB)	0.0



5G Verification Source 10 GHz - SN: 1023

January 14, 2025

DASY Report

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000.0 (10000.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions (mm)	IMEI	DUT Type
5G Verification Source 10 GHz	104.0 x 100.0 x 172.0	SN: 1023	-

Exposure Conditions

Phantom Section	Position, Test Distance (mm)	Band	Group, UID	Frequency (MHz), Channel Number	Conversion Factor
5G	10.0 mm	Validation band	CW, 0---	10000.0, 10000	1.2

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom	Air	BUMIMW2 - SN2274, F1-55GHz, 2024-08-28	PA041p - SN1502, 2024-11-05

Scans Setup

Sensor Surface (mm)	10.0
N/A	N/A, not used

Measurement Results

Scan Type	5G Scan
Date	2025-01-14
Avg. Area (m ²)	4.00
Avg. Type	Square Averaging
μPDM (W/m ²)	54.7
μPDM _{0.1} (W/m ²)	55.0
μPDM _{0.01} (W/m ²)	55.3
Max(Sr) (W/m ²)	59.5
Max(Sr0) (W/m ²)	60.0
Max(Sr01) (W/m ²)	60.3
E _{avg} (V/m)	130
Power On/Off (dB)	-0.0



Appendix A.5 Dipole Calibration certificate (D6.5GHzV2 1089)

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



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

Accreditation No.: **SCS 0108**

Client **Eurofins KCTL**
Gyeonggi-do, Republic of Korea

Certificate No. **D6.5GHzV2-1089_Sep24**

CALIBRATION CERTIFICATE

Object **D6.5GHzV2 - SN:1089**

Calibration procedure(s) **QA CAL-22.v7
Calibration Procedure for SAR Validation Sources between 3-10 GHz**

Calibration date: **September 17, 2024**

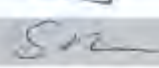
This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

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 sensor R&S NRP33T	SN: 100967	26-Mar-24 (No. 217-04038)	Mar-25
Reference 20 dB Attenuator	SN: BH9391 (20x)	26-Mar-24 (No. 217-04046)	Mar-25
Mismatch combination	SN: 84224 / 3800	26-Mar-24 (No. 217-04050)	Mar-25
Reference Probe EX30V4	SN: 7405	01-Jul-24 (No. EX3-7405_Jul24)	Jul-25
DAE4	SN: 908	27-Mar-24 (No. DAE4-908_Mar24)	Mar-25

Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator Anapico APSIN20G	SN: 827	18-Dec-18 (in house check Jan-24)	In house check: Jan-25
Power sensor NRP-223	SN: 100169	10-Jan-19 (in house check Jan-24)	In house check: Jan-25
Power sensor NRP-18T	SN: 100950	28-Sep-22 (in house check Jan-24)	In house check: Jan-25
Network Analyzer Keysight E5063A	SN:MY54504221	31-Oct-19 (in house check Oct-22)	In house check: Oct-24

	Name	Function	Signature
Calibrated by:	Keunha Seung	Laboratory Technician	
Approved by:	Sven Kühn	Technical Manager	

Issued: September 18, 2024

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

Certificate No: D6.5GHzV2-1089_Sep24

Page 1 of 6

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Accreditation No.: **SCS 0108**

Glossary:

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

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

- b) DASY System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The Return Loss ensures low reflected power. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.
- *The absorbed power density (APD):* The absorbed power density is evaluated according to Samaras T, Christ A, Kuster N, "Compliance assessment of the epithelial or absorbed power density above 6 GHz using SAR measurement systems" Bioelectromagnetics, 2021 (submitted). The additional evaluation uncertainty of 0.55 dB (rectangular distribution) is considered.

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

Measurement Conditions

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

DASY Version	DASY8	V16.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	5 mm	with Spacer
Zoom Scan Resolution	dx, dy = 3.4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	6500 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	34.5	6.07 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	34.6 $\pm$ 6 %	6.24 mho/m $\pm$ 6 %
Head TSL temperature change during test	< 0.5 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	29.4 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	294 W/kg $\pm$ 24.7 % (k=2)

SAR averaged over 8 cm ³ (8 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.62 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	66.2 W/kg $\pm$ 24.4 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	5.42 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	54.3 W/kg $\pm$ 24.4 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	49.2 $\pm$ 3.0 Ω
Return Loss	-30.1 dB

APD (Absorbed Power Density)

APD averaged over 1 cm ²	Condition	
APD measured	100 mW input power	294 W/m ²
APD measured	normalized to 1W	2940 W/m ² $\pm$ 29.2 % (k=2)

APD averaged over 4 cm ²	condition	
APD measured	100 mW input power	132 W/m ²
APD measured	normalized to 1W	1320 W/m ² $\pm$ 28.9 % (k=2)

*The reported APD values have been derived using the psSAR1g and psSAR2g.

General Antenna Parameters and Design

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

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

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

Additional EUT Data

Manufactured by	SPEAG
-----------------	-------

DASY6 Validation Report for Head TSL

Measurement Report for D6.5GHz-1089, UID 0 -, Channel 6500 (6500.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
D6.5GHz	16.0 x 5.0 x 300.0	SN: 1089	-

Exposure Conditions

Phantom	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Cond. [S/m]	TSL Permittivity
Flat, HSL	5.00	Band	CW,	6500	5.14	6.24	34.6

Hardware Setup

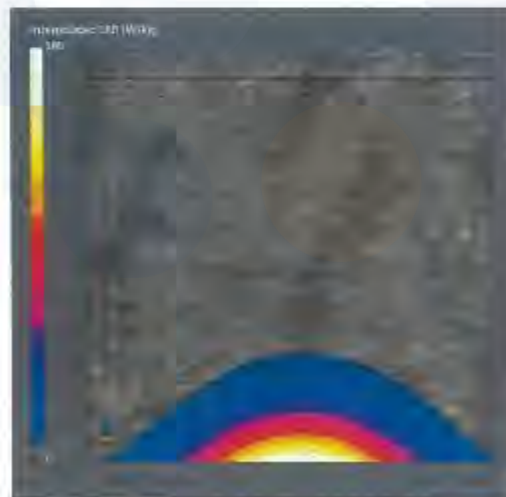
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
MFP V8.0 Center - 1182	HBBL600-10000V6	EX3DV4 - SN7405, 2024-07-01	DAE4 Sn908, 2024-03-27

Scan Setup

	Zoom Scan
Grid Extents [mm]	22.0 x 22.0 x 22.0
Grid Steps [mm]	3.4 x 3.4 x 1.4
Sensor Surface [mm]	1.4
Graded Grid	Yes
Grading Ratio	1.4
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Measured

Measurement Results

	Zoom Scan
Date	2024-09-17, 13:31
psSAR1g [W/Kg]	29.4
psSAR8g [W/Kg]	6.62
psSAR10g [W/Kg]	5.42
Power Drift [dB]	-0.02
Power Scaling	Disabled
Scaling Factor [dB]	
TSL Correction	No correction
M2/M1 [%]	50.5
Dist 3dB Peak [mm]	4.8



Appendix B. Power Reduction Verification

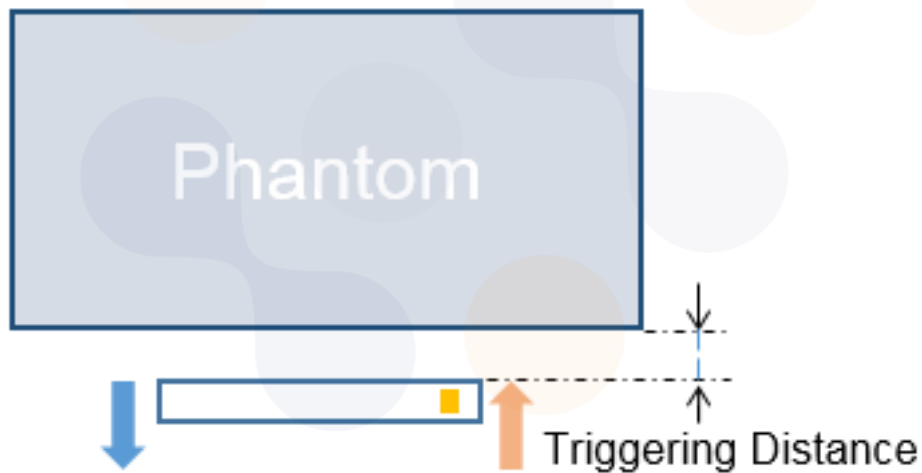
B.1 Proximity Sensor Triggering Distance

Proximity Sensor Triggering Distance (KDB 616217 §6.2)

Rear, Top, Bottom of the DUT was placed directly below the flat phantom. The DUT was moved toward the phantom in accordance with the steps outlined in KDB 616217 §6.2 to determine the trigger distance for enabling power reduction. The DUT was moved away from the phantom to determine the trigger distance for resuming full power.

The DUT featured a visual indicator on its display that showed the status of the proximity sensor (Triggered or not triggered). This was used to determine the status of the sensor during the proximity sensor assessment as monitoring the output power directly was not practical without affecting the measurement.

It was confirmed separately that the output power was altered according to the proximity sensor status indication. This was achieved by observing the proximity sensor status at the same time as monitoring the conducted power contains both the full and reduced conducted power measurements.



LEGEND

-  Direction of DUT travel for determination of power reduction triggering point
-  Direction of DUT travel for determination of full power resumption triggering point

B.1.1 Rear

Resulting test positions for SAR measurements

Tissue simulating liquid	Band	Trigger distance – Rear		
		Moving toward phantom	Moving from phantom	Worst case distance for SAR
6500 Head	WLAN Ant. 1	16 mm	16 mm	15 mm
	WLAN Ant. 2	20 mm	20 mm	19 mm

Proximity Sensor Triggering Distance Measurement Results – Rear Side (WIFI Ant.1)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	21	20	19	18	17	16	15	14	13	12
6 GHz 802.11a	11.32	11.16	11.27	11.25	11.28	6.87	7.02	6.94	6.89	6.99
6 GHz 802.11ax SU(20M)	11.39	11.41	11.44	11.38	11.43	7.37	7.47	7.37	7.41	7.42
6 GHz 802.11ax SU(40M)	10.87	10.91	10.91	10.78	10.77	6.79	6.80	6.71	6.88	6.89
6 GHz 802.11ax SU(80M)	11.10	11.09	11.02	11.03	11.05	6.64	6.60	6.73	6.55	6.55
6 GHz 802.11ax SU(160M)	10.71	10.59	10.70	10.72	10.73	6.81	6.81	6.81	6.73	6.77

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	12	13	14	15	16	17	18	19	20	21
6 GHz 802.11a	6.93	6.87	6.90	6.85	6.97	11.21	11.13	11.25	11.16	11.25
6 GHz 802.11ax SU(20M)	7.39	7.45	7.37	7.35	7.35	11.28	11.27	11.38	11.31	11.45
6 GHz 802.11ax SU(40M)	6.69	6.72	6.75	6.86	6.82	10.77	10.92	10.82	10.94	10.79
6 GHz 802.11ax SU(80M)	6.62	6.55	6.66	6.68	6.55	10.94	10.94	11.11	10.96	10.98
6 GHz 802.11ax SU(160M)	6.81	6.91	6.79	6.72	6.77	10.57	10.62	10.55	10.73	10.74

Proximity Sensor Triggering Distance Measurement Results – Rear Side (WIFI Ant.2)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	25	24	23	22	21	20	19	18	17	16
6 GHz 802.11a	11.27	11.22	11.22	11.16	11.28	6.94	6.86	6.99	6.88	6.98
6 GHz 802.11ax SU(20M)	11.19	11.18	11.26	11.17	11.16	7.27	7.13	7.14	7.12	7.14
6 GHz 802.11ax SU(40M)	11.27	11.44	11.40	11.36	11.40	7.28	7.34	7.17	7.22	7.20
6 GHz 802.11ax SU(80M)	11.30	11.25	11.23	11.12	11.28	7.44	7.39	7.39	7.42	7.43
6 GHz 802.11ax SU(160M)	10.81	10.66	10.70	10.82	10.75	6.98	6.93	7.08	6.96	7.06

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	16	17	18	19	20	21	22	23	24	25
6 GHz 802.11a	6.81	6.85	6.93	6.93	6.81	11.30	11.16	11.28	11.13	11.31
6 GHz 802.11ax SU(20M)	7.22	7.18	7.22	7.10	7.23	11.18	11.08	11.21	11.08	11.15
6 GHz 802.11ax SU(40M)	7.28	7.31	7.16	7.21	7.29	11.40	11.27	11.29	11.35	11.26
6 GHz 802.11ax SU(80M)	7.27	7.39	7.30	7.43	7.42	11.27	11.24	11.28	11.31	11.21
6 GHz 802.11ax SU(160M)	7.11	6.99	7.11	7.05	6.91	10.71	10.73	10.72	10.63	10.72

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B.1.2 Top

Resulting test positions for SAR measurements

Tissue simulating liquid	Band	Trigger distance – Top		
		Moving toward phantom	Moving from phantom	Worst case distance for SAR
6500 Head	WLAN Ant. 1	16 mm	16 mm	15 mm

Proximity Sensor Triggering Distance Measurement Results – Top (WIFI Ant.1)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	21	20	19	18	17	16	15	14	13	12
6 GHz 802.11a	11.19	11.19	11.30	11.16	11.31	6.95	6.82	6.97	6.85	7.00
6 GHz 802.11ax SU(20M)	11.31	11.44	11.28	11.38	11.43	7.30	7.31	7.46	7.35	7.31
6 GHz 802.11ax SU(40M)	10.90	10.80	10.86	10.78	10.87	6.86	6.87	6.89	6.69	6.71
6 GHz 802.11ax SU(80M)	11.00	11.00	11.13	11.14	11.06	6.67	6.56	6.58	6.57	6.74
6 GHz 802.11ax SU(160M)	10.73	10.64	10.58	10.69	10.62	6.82	6.91	6.85	6.78	6.73

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	12	13	14	15	16	17	18	19	20	21
6 GHz 802.11a	7.02	6.90	6.96	6.90	6.87	11.14	11.30	11.18	11.20	11.19
6 GHz 802.11ax SU(20M)	7.31	7.44	7.38	7.47	7.30	11.41	11.44	11.37	11.33	11.27
6 GHz 802.11ax SU(40M)	6.88	6.83	6.89	6.85	6.70	10.77	10.94	10.87	10.92	10.84
6 GHz 802.11ax SU(80M)	6.59	6.61	6.55	6.55	6.66	10.98	11.02	11.02	10.95	10.97
6 GHz 802.11ax SU(160M)	6.85	6.72	6.80	6.77	6.90	10.58	10.68	10.64	10.73	10.56

B.1.3 Bottom

Resulting test positions for SAR measurements

Tissue simulating liquid	Band	Trigger distance – Bottom		
		Moving toward phantom	Moving from phantom	Worst case distance for SAR
6500 Head	WLAN Ant. 2	15 mm	15 mm	14 mm

Proximity Sensor Triggering Distance Measurement Results – Bottom (WIFI Ant.2)

DUT Moving Toward (Trigger) to the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	20	19	18	17	16	15	14	13	12	11
6 GHz 802.11a	11.13	11.24	11.26	11.19	11.23	6.83	6.84	6.98	6.96	6.81
6 GHz 802.11ax SU(20M)	11.08	11.18	11.15	11.22	11.18	7.23	7.23	7.21	7.15	7.15
6 GHz 802.11ax SU(40M)	11.39	11.26	11.41	11.42	11.44	7.28	7.26	7.29	7.29	7.19
6 GHz 802.11ax SU(80M)	11.20	11.16	11.32	11.18	11.15	7.34	7.25	7.33	7.31	7.36
6 GHz 802.11ax SU(160M)	10.70	10.77	10.83	10.63	10.68	6.95	6.91	6.93	7.03	6.97

DUT Moving Away (Release) from the Phantom

Distance to DUT Output Power (dBm)										
Distance (mm)	11	12	13	14	15	16	17	18	19	20
6 GHz 802.11a	6.96	6.88	6.99	6.83	6.84	11.30	11.30	11.18	11.33	11.33
6 GHz 802.11ax SU(20M)	7.27	7.27	7.28	7.20	7.28	11.11	11.22	11.21	11.13	11.16
6 GHz 802.11ax SU(40M)	7.20	7.31	7.24	7.29	7.34	11.41	11.25	11.30	11.35	11.31
6 GHz 802.11ax SU(80M)	7.27	7.44	7.28	7.31	7.37	11.21	11.16	11.26	11.18	11.12
6 GHz 802.11ax SU(160M)	7.06	7.10	7.09	6.96	6.91	10.80	10.75	10.80	10.74	10.64

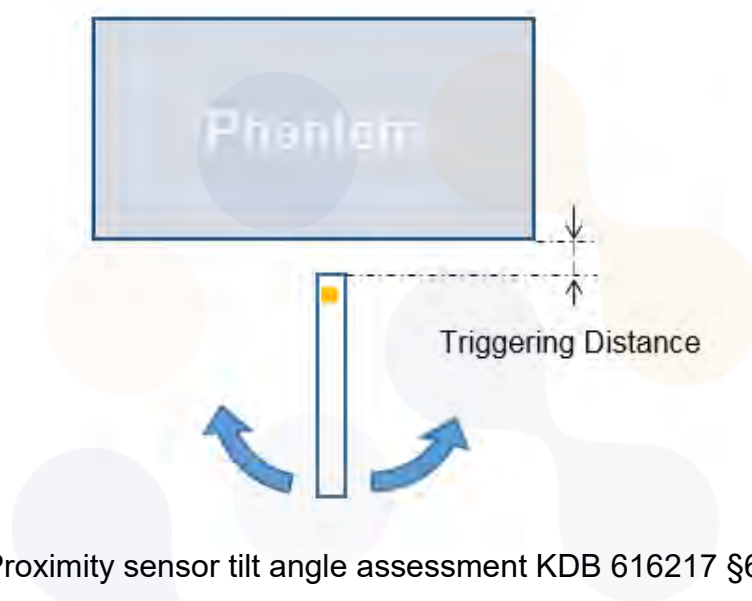
B.2 Proximity Sensor Tilt Angle Assessment

Proximity Sensor Tilt Angle Assessment (KDB 616217 §6.4)

The DUT was positioned directly below the flat phantom at the minimum measured trigger distance with Bottom parallel to the base of the flat phantom for each band.

The EUT was rotated about Bottom for angles up to $\pm 45^\circ$. If the output power increased during the rotation the DUT was moved 1mm toward the phantom and the rotation repeated.

This procedure was repeated until the power remained reduced for all angles up to $\pm 45^\circ$.



Proximity sensor tilt angle assessment KDB 616217 §6.4

Summary of Tilt Angle Influence to Proximity Sensor Triggering (Top)

Band [MHz]	Minimum trigger distance measured according to KDB 616217 §6.2	Minimum distance at which power reduction was maintained over +/-45°	Power reduction status											
			-45°	-40°	-30°	-20°	-10°	0°	10°	20°	30°	40°	45°	
6500 (Ant.1)	16 mm	16 mm	On	On	On	On	On	On	On	On	On	On	On	

Summary of Tilt Angle Influence to Proximity Sensor Triggering (Bottom)

Band [MHz]	Minimum trigger distance measured according to KDB 616217 §6.2	Minimum distance at which power reduction was maintained over +/-45°	Power reduction status											
			-45°	-40°	-30°	-20°	-10°	0°	10°	20°	30°	40°	45°	
6500 (Ant.2)	15 mm	15 mm	On	On	On	On	On	On	On	On	On	On	On	