

Appendix F. – Probe Calibration Data

Calibration Laboratory of
Schmid & Partner
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Accreditation No.: SCS 0108

Client

HCT

Gyeonggi-do, Republic of Korea

Certificate No.

EX-3768_Oct24

CALIBRATION CERTIFICATE

날짜	2024. 10. 07.	승인자	John Doe
기준/법정	국내 / 국제	1	2024. 10. 07.
연도	2024. 10. 07.	1	2024. 10. 07.

Object

EX3DV4 - SN:3768

Calibration procedure(s)

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

Calibration date

October 07, 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 $(22 \pm 3)^\circ\text{C}$ 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: 1248	05-Oct-23 (OCP-DAK3.5-1248_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 E44196	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

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

Issued: October 07, 2024
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

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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 62209-1528, "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.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- 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:3768**Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.49	0.51	0.53	$\pm 10.1\%$
DCP (mV) ^B	107.1	105.1	106.6	$\pm 4.7\%$

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	120.5	$\pm 1.9\%$	$\pm 4.7\%$
		Y 0.00	0.00	1.00		130.7		
		Z 0.00	0.00	1.00		126.9		
10352	Pulse Waveform (200Hz, 10%)	X 1.39	60.00	6.09	10.00	60.0	$\pm 2.8\%$	$\pm 9.6\%$
		Y 1.71	61.64	7.22		60.0		
		Z 1.46	60.36	6.24		60.0		
10353	Pulse Waveform (200Hz, 20%)	X 0.82	60.00	4.95	6.99	80.0	$\pm 2.4\%$	$\pm 9.6\%$
		Y 0.79	60.00	5.33		80.0		
		Z 0.84	60.00	5.02		80.0		
10354	Pulse Waveform (200Hz, 40%)	X 0.05	127.26	0.27	3.98	95.0	$\pm 2.8\%$	$\pm 9.6\%$
		Y 0.01	122.34	2.48		95.0		
		Z 2.00	64.00	5.00		95.0		
10355	Pulse Waveform (200Hz, 60%)	X 7.97	159.27	25.13	2.22	120.0	$\pm 1.7\%$	$\pm 9.6\%$
		Y 9.80	148.18	17.59		120.0		
		Z 11.29	155.15	10.20		120.0		
10387	QPSK Waveform, 1 MHz	X 0.47	63.57	12.61	1.00	150.0	$\pm 4.2\%$	$\pm 9.6\%$
		Y 0.58	61.95	11.16		150.0		
		Z 0.51	62.48	11.70		150.0		
10388	QPSK Waveform, 10 MHz	X 1.24	66.35	13.54	0.00	150.0	$\pm 1.4\%$	$\pm 9.6\%$
		Y 1.29	63.95	13.03		150.0		
		Z 1.27	65.03	13.40		150.0		
10396	64-QAM Waveform, 100 kHz	X 1.73	65.09	16.09	3.01	150.0	$\pm 1.0\%$	$\pm 9.6\%$
		Y 1.62	63.38	15.33		150.0		
		Z 1.61	63.76	15.54		150.0		
10399	64-QAM Waveform, 40 MHz	X 2.76	66.80	15.21	0.00	150.0	$\pm 1.7\%$	$\pm 9.6\%$
		Y 2.77	65.28	14.52		150.0		
		Z 2.76	65.94	14.83		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X 3.63	66.49	15.26	0.00	150.0	$\pm 3.2\%$	$\pm 9.6\%$
		Y 4.01	65.89	15.22		150.0		
		Z 3.72	66.65	15.02		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 Page 5).

^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:3768**Sensor Model Parameters**

	C1 IF	C2 IF	α V $^{-1}$	T1 ms V $^{-2}$	T2 ms V $^{-1}$	T3 ms	T4 V $^{-2}$	T5 V $^{-1}$	T6
x	7.1	50.72	32.40	3.16	0.00	4.90	0.47	0.00	1.00
y	12.0	86.76	33.43	2.64	0.00	4.93	0.36	0.00	1.00
z	9.5	68.06	32.58	4.60	0.00	4.90	0.29	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	30.8°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

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Parameters of Probe: EX3DV4 - SN:3768**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	9.16	9.45	9.24	0.33	1.27	±11.0%
835	41.5	0.90	8.83	9.11	8.90	0.33	1.27	±11.0%
900	41.5	0.97	8.68	8.95	8.75	0.32	1.27	±11.0%
1750	40.1	1.37	7.59	7.83	7.65	0.31	1.27	±11.0%
1900	40.0	1.40	7.34	7.57	7.40	0.31	1.27	±11.0%
2300	39.5	1.67	7.07	7.29	7.13	0.31	1.27	±11.0%
2450	39.2	1.80	6.86	7.07	6.91	0.31	1.27	±11.0%
2600	39.0	1.96	6.76	6.97	6.82	0.30	1.27	±11.0%

^C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 0 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.

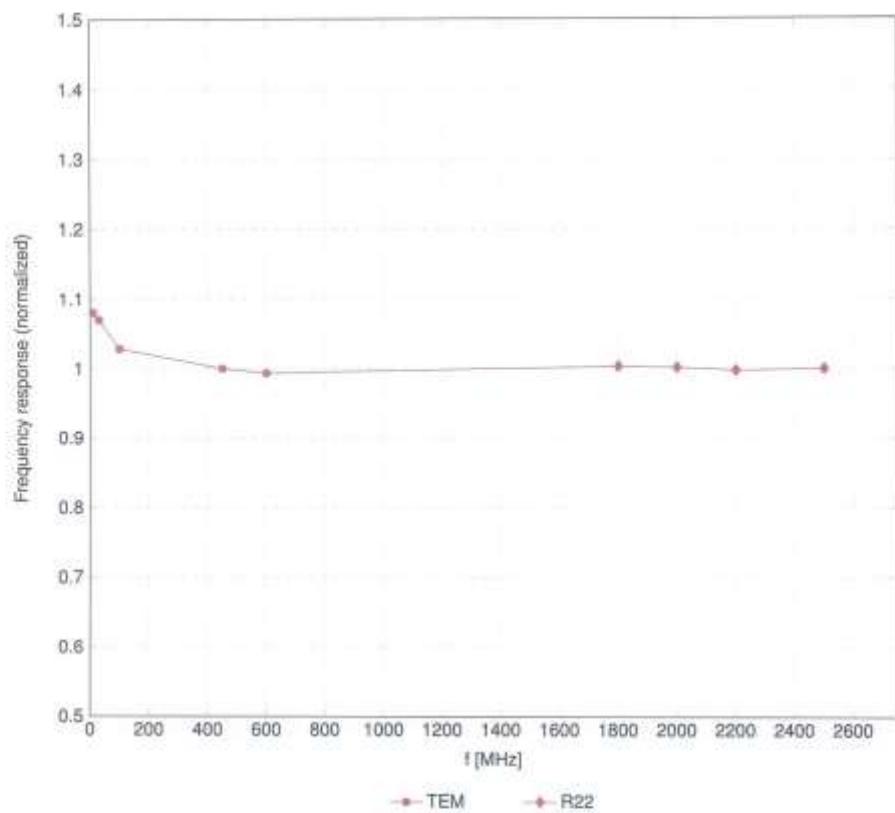
^H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

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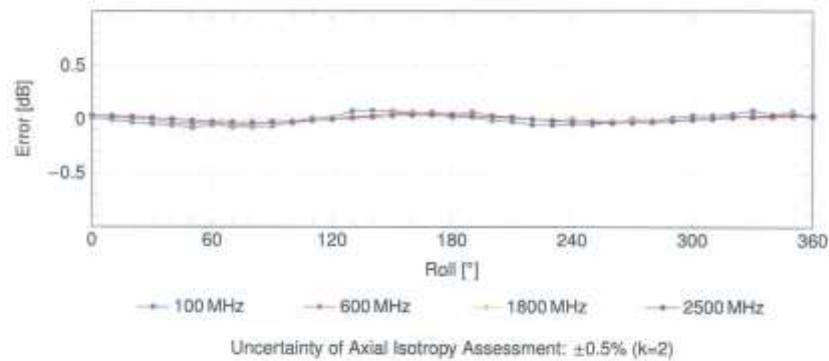
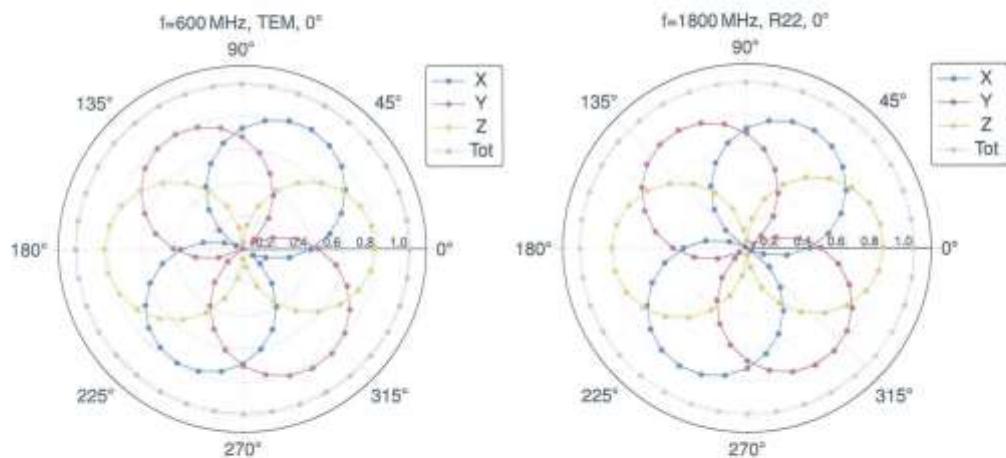
Frequency Response of E-Field

(TEM-Cell:fl110 EXX, Waveguide:R22)

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

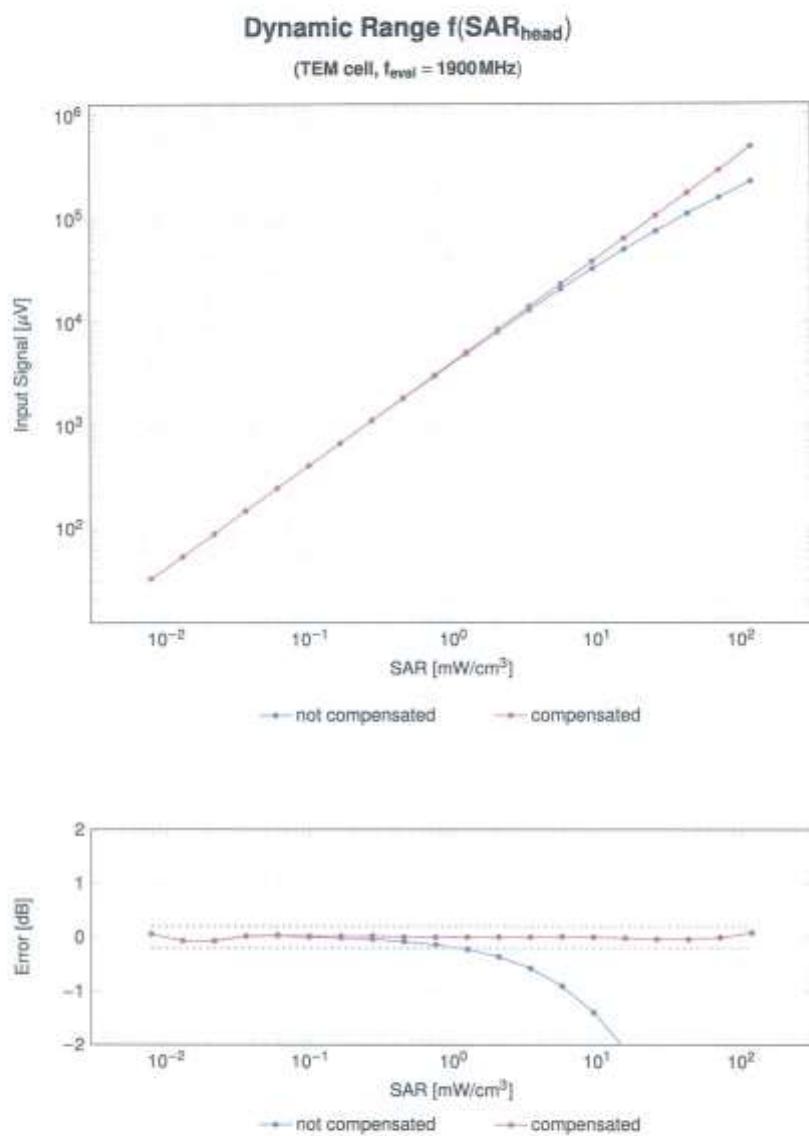
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Receiving Pattern (ϕ), $\theta = 0^\circ$ 

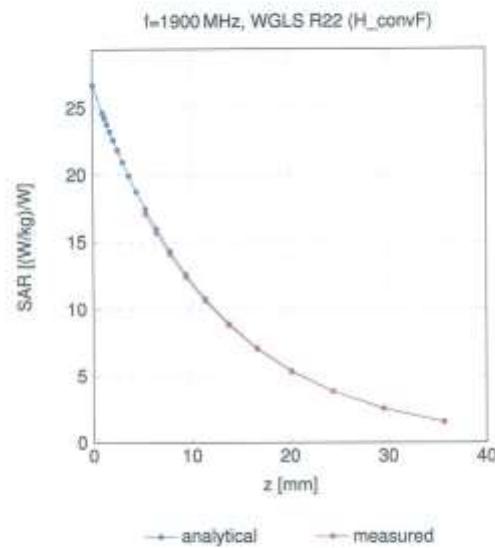
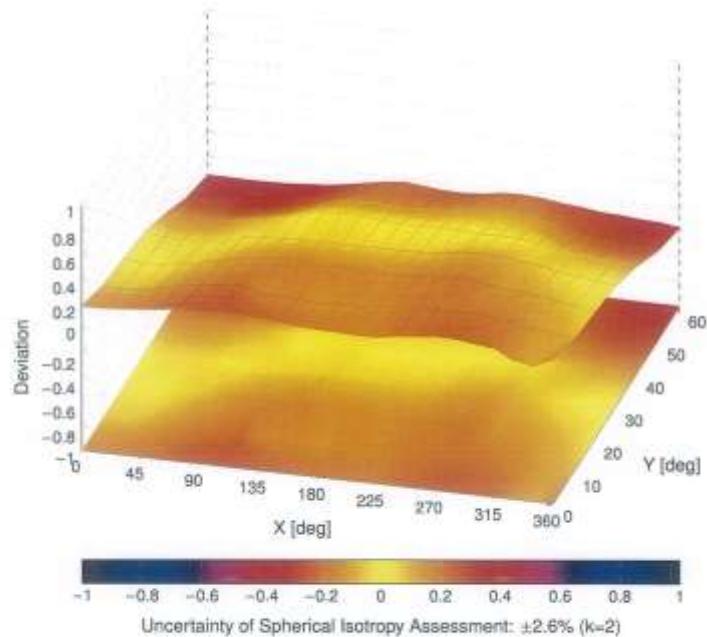
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Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

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Conversion Factor Assessment**Deviation from Isotropy in Liquid**Error (ϕ, θ) , $f = 900\text{ MHz}$ 

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0		CW	CW	0.00	±9.6
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	9.48	±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 (Pi4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (Pi4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (Pi4-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, Pi4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-533 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 Mbps)	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	9.08	±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	9.82	±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, Pi4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSUPA)	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	± 0.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.82	± 0.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 0.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 0.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 0.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	± 0.6
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 0.6
10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 0.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 0.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 0.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 0.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 0.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 0.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 0.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 0.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 0.6
10148	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 0.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 0.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.26	± 0.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 0.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 0.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 0.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 0.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 0.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 0.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 0.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 0.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 0.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 0.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 0.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 0.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 0.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	± 0.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	± 0.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 0.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 0.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 0.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 0.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 0.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 0.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 0.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 0.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 0.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 0.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 0.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	± 0.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	± 0.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	± 0.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 0.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	± 0.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 0.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	± 0.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.62	± 0.6
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 0.6
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 0.6
10194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 0.6
10195	CAE	IEEE 802.11n (HT Greenfield, 85 Mbps, 64-QAM)	WLAN	8.21	± 0.6
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 0.6
10197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 0.6
10198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 0.6
10219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 0.6
10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 0.6
10221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 0.6
10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 0.6
10223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 0.6
10224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 0.6

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10225	CAC	UMTS-FDD (HSUPA)	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	9.46	± 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	9.88	± 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	9.98	± 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, Rolloff 0.5)	PHS	11.81	± 9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	± 9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.45	± 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	6.38	± 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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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	14.48	±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	AEE	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	AEE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10354	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.98	±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
10398	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAF	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RC3, SO92, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAB	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 802.11ah 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	AEE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AEE	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	AEE	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	7.63	±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	AEE	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	8.62	±9.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.65	±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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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E % = 2
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.48	±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 802.11ah WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAD	IEEE 802.11ah 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	8.38	±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	9.43	±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, MCS8, 99pc duty cycle)	WLAN	8.39	±9.6

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10541	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 98pc duty cycle)	WLAN	8.46	±9.6
10542	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 98pc duty cycle)	WLAN	8.65	±9.6
10543	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 98pc duty cycle)	WLAN	8.85	±9.6
10544	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 98pc duty cycle)	WLAN	8.47	±9.6
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 98pc duty cycle)	WLAN	8.55	±9.6
10546	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 98pc duty cycle)	WLAN	8.35	±9.6
10547	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 98pc duty cycle)	WLAN	8.49	±9.6
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 98pc duty cycle)	WLAN	8.37	±9.6
10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 98pc duty cycle)	WLAN	8.38	±9.6
10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 98pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 98pc duty cycle)	WLAN	8.42	±9.6
10553	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 98pc duty cycle)	WLAN	8.45	±9.6
10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 98pc duty cycle)	WLAN	8.48	±9.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 98pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 98pc duty cycle)	WLAN	8.50	±9.6
10557	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 98pc duty cycle)	WLAN	8.52	±9.6
10558	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 98pc duty cycle)	WLAN	8.61	±9.6
10559	AAE	IEEE 802.11ac WiFi (160 MHz, MCS5, 98pc duty cycle)	WLAN	8.73	±9.6
10561	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 98pc duty cycle)	WLAN	8.58	±9.6
10562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 98pc duty cycle)	WLAN	8.69	±9.6
10563	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 98pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 98pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 98pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 98pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 98pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 98pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 98pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 98pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 Mbps, 98pc duty cycle)	WLAN	1.98	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 98pc duty cycle)	WLAN	1.98	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 98pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 98pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 98pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 98pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 98pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 98pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 98pc duty cycle)	WLAN	8.38	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 98pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 98pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 98pc duty cycle)	WLAN	8.67	±9.6
10583	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 6 Mbps, 98pc duty cycle)	WLAN	8.59	±9.6
10584	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 9 Mbps, 98pc duty cycle)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 12 Mbps, 98pc duty cycle)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 18 Mbps, 98pc duty cycle)	WLAN	8.49	±9.6
10587	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 24 Mbps, 98pc duty cycle)	WLAN	8.38	±9.6
10588	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 36 Mbps, 98pc duty cycle)	WLAN	8.78	±9.6
10589	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 48 Mbps, 98pc duty cycle)	WLAN	8.35	±9.6
10590	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 54 Mbps, 98pc duty cycle)	WLAN	8.67	±9.6
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 98pc duty cycle)	WLAN	8.63	±9.6
10592	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 98pc duty cycle)	WLAN	8.79	±9.6
10593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 98pc duty cycle)	WLAN	8.64	±9.6
10594	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 98pc duty cycle)	WLAN	8.74	±9.6
10595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 98pc duty cycle)	WLAN	8.74	±9.6
10596	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 98pc duty cycle)	WLAN	8.71	±9.6
10597	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 98pc duty cycle)	WLAN	8.72	±9.6
10598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 98pc duty cycle)	WLAN	8.50	±9.6
10599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 98pc duty cycle)	WLAN	8.79	±9.6
10600	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 98pc duty cycle)	WLAN	8.68	±9.6
10601	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 98pc duty cycle)	WLAN	8.82	±9.6
10602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 98pc duty cycle)	WLAN	8.94	±9.6
10603	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 98pc duty cycle)	WLAN	9.03	±9.6
10604	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 98pc duty cycle)	WLAN	8.76	±9.6
10605	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 98pc duty cycle)	WLAN	8.97	±9.6
10606	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 98pc duty cycle)	WLAN	8.82	±9.6
10607	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 98pc duty cycle)	WLAN	8.64	±9.6
10608	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 98pc duty cycle)	WLAN	8.77	±9.6

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10509	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.57	± 9.6
10510	AAD	IEEE 802.11ac WiFi (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.78	± 9.6
10511	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6
10512	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6
10513	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6
10514	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6
10515	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6
10516	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6
10517	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6
10518	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6
10519	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6
10520	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6
10521	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6
10522	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	± 9.6
10523	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6
10524	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6
10525	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6
10526	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6
10527	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6
10528	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6
10529	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6
10530	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6
10531	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6
10532	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6
10533	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6
10534	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6
10535	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6
10536	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6
10537	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6
10538	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6
10539	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6
10540	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6
10541	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6
10542	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6
10543	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6
10544	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6
10545	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6
10546	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL, Subframe=2,7)	LTE-TDD	11.96	± 9.6
10547	AAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL, Subframe=2,7)	LTE-TDD	11.96	± 9.6
10548	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6
10552	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6
10553	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6
10554	AAF	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.98	± 9.6
10555	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6
10556	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6
10558	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6
10560	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6
10561	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6
10562	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6
10570	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6
10571	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	± 9.6
10572	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	± 9.6
10573	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	± 9.6
10574	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6
10575	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	± 9.6
10576	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6
10577	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	± 9.6
10578	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	± 9.6
10579	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	± 9.6
10580	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	± 9.6
10581	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	± 9.6
10582	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	± 9.6
10583	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.42	± 9.6
10584	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.25	± 9.6
10585	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6
10586	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, 98pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 98pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 98pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 98pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 98pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 98pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 98pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 98pc 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	9.96	±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	8.54	±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	8.66	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.56	±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	8.56	±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	8.38	±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
10800	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10801	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10802	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10803	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10804	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10807	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10808	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10809	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAF	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10811	AAF	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10812	AAG	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10813	AAG	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10814	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10815	AAE	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10816	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10817	AAE	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10818	AAE	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 120 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAE	5G NR (CP-OFDM, 100% RB, 150 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAF	5G NR (CP-OFDM, 100% RB, 200 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAE	5G NR (CP-OFDM, 100% RB, 300 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
10826	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10827	AAF	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	± 0.6
10830	AAF	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	± 0.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	± 0.6
10832	AAF	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	± 0.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 0.6
10834	AAF	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	± 0.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 0.6
10836	AAF	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	± 0.6
10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	± 0.6
10838	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	± 0.6
10840	AAF	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.87	± 0.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	± 0.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	± 0.6
10844	AAF	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 0.6
10846	AAF	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 0.6
10854	AAF	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 0.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	± 0.6
10856	AAF	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 0.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 0.6
10858	AAF	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.38	± 0.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	± 0.6
10860	AAF	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 0.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	± 0.6
10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 0.6
10864	AAF	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	± 0.6
10865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	± 0.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 0.6
10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 0.6
10869	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 0.6
10870	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 0.6
10871	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	± 0.6
10872	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	± 0.6
10873	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 0.6
10874	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 0.6
10875	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 0.6
10876	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	± 0.6
10877	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 0.6
10878	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 0.6
10879	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 0.6
10880	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	± 0.6
10881	AAF	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	± 0.6
10882	AAF	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 0.6
10883	AAF	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	± 0.6
10884	AAF	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	± 0.6
10885	AAF	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	± 0.6
10886	AAF	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 0.6
10887	AAF	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 0.6
10888	AAF	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 0.6
10889	AAF	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	± 0.6
10890	AAF	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	± 0.6
10891	AAF	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	± 0.6
10892	AAF	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	± 0.6
10897	AAF	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 0.6
10898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	± 0.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	± 0.6
10900	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 0.6
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 0.6
10902	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 0.6
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 0.6
10904	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 0.6
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	± 0.6
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 0.6
10907	AAF	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	± 0.6
10908	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	± 0.6
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 0.6
10910	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 0.6

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ¹⁰ 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	5.86	±9.6
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAC	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	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.86	±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	AAA	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	8.36	±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	8.56	±9.6
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	8.29	±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	8.55	±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
10969	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
10970	AAC	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10971	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
10972	AAA	ULLA BDR	ULLA	1.16	±9.6
10973	AAA	ULLA HDR4	ULLA	8.58	±9.6
10974	AAA	ULLA HDR8	ULLA	10.32	±9.6
10975	AAA	ULLA HDRp4	ULLA	3.19	±9.6
10976	AAA	ULLA HDRp8	ULLA	3.43	±9.6

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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, 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	8.56	±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	8.88	±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.

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



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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

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

Certificate No. **EX-7702_Jan25****CALIBRATION CERTIFICATE**Object: **EX3DV4 - SN.7702**

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

Calibration date: **January 21, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurement (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 (NIST critical for calibration)

Primary Standards	ID	Calibration Date (Certificate No.)	Sched. Cal.
Power Sensor P&S NPF-30T	SN:100947	28-Mar-24 (No. 217-04056)	Mar-25
Bleit (560191) + Altimeter (560026)	SN:11113	26-Mar-24 (No. 217-04048)	Mar-25
OCP DAK-12	SN:1018	24-Sep-24 (No. OCP-DAK12-1018_Sep24)	Sep-25
OCP DAK-3.3	SN:1289	23-Sep-24 (No. OCP-DAK3.3-1289_Sep24)	Sep-25
Reference Probe EX3DV4	SN:7348	10-Jan-25 (No. EX3-7348_Jan25)	Jan-26
DNE4	SN:1301	07-Nov-24 (No. DNE4-1301_Nov24)	Nov-25

Secondary Standards	ID	Check Date (In house)	Sched. Check
ACAP 8220 Calibration Box	SN:11404	30-Sep-24 (No. Report_ACAP8220-Cave_20240930)	Sep-25

Calibrated by	Name	Function	Signature
	Aribis Georgiou	Laboratory Technician	
Approved by	Sven Künn	Technical Manager	

Issued: January 21, 2025

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

Certificate No: EX-7702_Jan25

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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0106

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/duy_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization ν	ν 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 885864, "SAR Measurement Requirements for 100MHz to 6GHz"

Methods Applied and Interpretation of Parameters:

- NORM_{x,y,z}: Assessed for E-field polarization ($\nu = 0$ [$f \leq 800$ 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_{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.
- DCPx,y,z, DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PMR: PMR 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).

EX3DV4 - SN:7702

January 21, 2025

Parameters of Probe: EX3DV4 - SN:7702**Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Nom (μV/(Vm) ²) ^A	0.88	0.83	0.86	±10.1%
DCP (mV) ^B	103.7	107.7	106.4	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name	A dB	B dB $\sqrt{\mu V}$	C	D dB	VH mV	Max dev.	Max Unc ^C k = 2
0	CW	X 0.00	0.00	1.00	0.00	131.6	±1.4%	±4.7%
		Y 0.00	0.00	1.00		146.8		
		Z 0.00	0.00	1.00		130.7		
10352	Pulse Waveform (200Hz, 10%)	X 1.73	61.65	6.89	10.09	80.0	±2.5%	±9.6%
		Y 1.48	60.34	6.28		80.0		
		Z 1.87	61.27	6.56		80.0		
10353	Pulse Waveform (200Hz, 20%)	X 48.00	80.00	11.00	6.99	80.0	±2.4%	±9.0%
		Y 22.00	74.00	9.00		80.0		
		Z 10.00	72.00	9.00		80.0		
10354	Pulse Waveform (200Hz, 40%)	X 0.01	121.37	2.33	3.98	95.0	±2.7%	±9.0%
		Y 0.05	129.08	0.62		95.0		
		Z 0.01	121.33	0.62		95.0		
10355	Pulse Waveform (200Hz, 60%)	X 0.50	157.34	2.33	2.22	120.0	±1.5%	±8.6%
		Y 7.89	150.91	4.19		120.0		
		Z 14.25	62.93	2.90		120.0		
10387	QPSK Waveform, 1 MHz	X 0.66	62.23	11.25	1.00	150.0	±3.9%	±9.0%
		Y 0.49	61.41	10.86		150.0		
		Z 0.56	61.79	11.03		150.0		
10388	QPSK Waveform, 10 MHz	X 1.35	63.81	13.04	0.00	150.0	±1.3%	±8.6%
		Y 1.23	64.18	12.90		150.0		
		Z 1.28	63.96	13.00		150.0		
10395	64-QAM Waveform, 100 kHz	X 1.55	62.72	14.93	3.01	150.0	±1.0%	±9.6%
		Y 1.61	63.53	15.33		150.0		
		Z 1.69	63.23	15.10		150.0		
10399	64-QAM Waveform, 40 MHz	X 2.83	65.19	14.48	0.00	150.0	±7.8%	±9.6%
		Y 2.75	65.51	14.56		150.0		
		Z 2.76	65.28	14.50		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X 4.11	65.77	15.21	0.00	150.0	±3.5%	±9.6%
		Y 3.88	66.10	15.21		150.0		
		Z 3.98	65.87	15.18		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 Nom. X,Y,Z do not affect the $\sqrt{k^2}$ -field uncertainty inside TSL (see Pages 5 and 6).^B Linearity parameter uncertainty for maximum specified field strength.^C Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

EX3DV4 - SN:7702

January 21, 2025

Parameters of Probe: EX3DV4 - SN:7702**Sensor Model Parameters**

	C1 μF	C2 μF	α V ⁻¹	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
x	13.7	99.06	33.74	2.01	0.00	4.90	0.22	0.00	1.00
y	19.0	71.40	32.78	1.79	0.00	4.90	0.33	0.00	1.00
z	11.8	64.92	33.04	3.26	0.00	4.90	0.39	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-43.5°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

EX3DV4 - SN:7702

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Parameters of Probe: EX3DV4 - SN:7702

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^a	Relative Permittivity ^b	Conductivity ^c (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^d	Depth ^e (mm)	Unc ^f (k = 2)
750	41.9	0.89	9.77	10.19	9.27	0.37	1.27	±11.0%
835	41.5	0.90	9.86	10.28	9.35	0.37	1.27	±11.0%
900	41.6	0.97	9.26	9.86	8.78	0.37	1.27	±11.0%
1840	40.2	1.31	8.16	8.51	7.74	0.36	1.27	±11.0%
1750	40.1	1.37	8.30	8.88	7.87	0.38	1.27	±11.0%
1900	40.0	1.40	8.01	8.36	7.60	0.36	1.27	±11.0%
2300	39.5	1.67	7.80	7.92	7.21	0.36	1.27	±11.0%
2450	39.2	1.80	7.77	8.11	7.37	0.36	1.27	±11.0%
2600	39.0	1.96	7.54	7.88	7.15	0.36	1.27	±11.0%
3300	38.2	2.71	6.87	7.18	6.51	0.35	1.27	±13.1%
3500	37.9	2.91	7.08	7.39	6.72	0.35	1.27	±13.1%
3700	37.7	3.12	6.96	7.26	6.60	0.35	1.27	±13.1%
3800	37.5	3.32	6.67	6.96	6.33	0.35	1.27	±13.1%
4100	37.2	3.53	6.62	6.99	6.28	0.35	1.27	±13.1%
5250	35.9	4.71	5.73	5.98	5.44	0.31	1.27	±13.1%
5600	35.5	5.07	5.20	5.43	4.94	0.28	1.27	±13.1%
5750	35.4	5.22	5.14	5.37	4.88	0.26	1.27	±13.1%
5800	35.3	5.27	5.16	5.38	4.89	0.26	1.27	±13.1%

^a Frequency validity above 300 MHz at ±10 MHz only applies for EX3DV4 v4.4 and higher (see Figure 2), else it is restricted to ±50 MHz. The uncertainty is the R95 of the ConvF uncertainty at calibration frequency and the uncertainty for the selected frequency band. Frequency validity below 300 MHz is ±12.25, ±8, 50 and ±10 MHz for ConvF assessments of 30, 64, 128, 150 and 232 MHz respectively. Validity of ConvF assessed at 5 MHz is ±4.8 MHz, and ConvF assessment of 10 MHz is ±9.1 MHz. Above 5 GHz, frequency validity can be extended to ±10 MHz.

^b The probes are calibrated using tissue simulating liquids (TSL) that deviate from ϵ_r and σ by less than 50% from the design values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

^c Alpha/Depth are determined during calibration. SPEM3 warrants that the resulting 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.

^d 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 62309-10000-0000.

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January 21, 2025

Parameters of Probe: EX3DV4 - SN:7702**Calibration Parameter Determined in Head Tissue Simulating Media**

f (MHz) ^D	Relative Permittivity ^E	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^H (mm)	Unc ^I (k = 2)
6500	34.5	6.07	5.74	5.89	5.45	0.20	1.27	±18.6%
7000	33.9	6.65	5.80	6.05	5.66	0.20	1.27	±18.6%
8000	32.7	7.64	6.08	6.34	5.77	0.20	1.27	±18.6%
9000	31.6	9.08	6.41	6.69	6.08	0.20	1.27	±18.6%

^D Frequency validity of 6.5 GHz is -600MHz to 700MHz , and $\pm 700\text{MHz}$ 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.

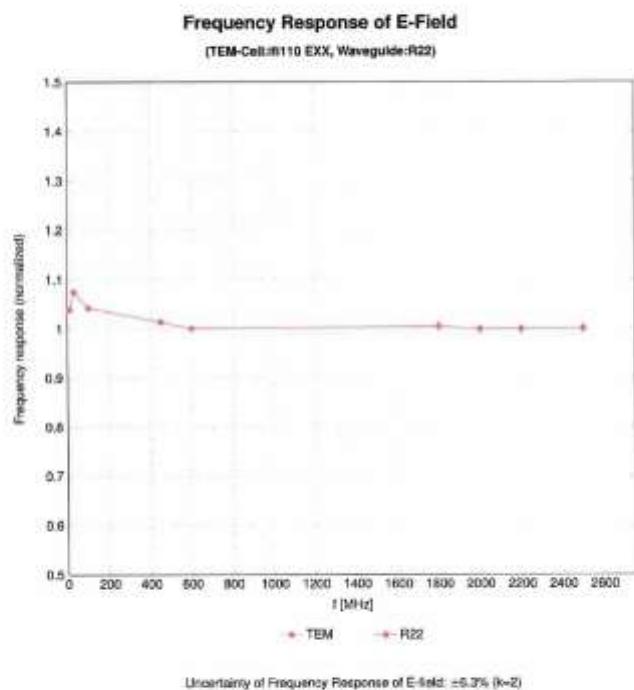
^E The probe is calibrated using 1000 points per frequency band. Results (TSL) that deviate for x and y by less than $\pm 1\%$ from the target values (typically better than $\pm 0.5\%$) are used for TSL with a deviation of up to $\pm 10\%$.

^F Alpha/Depth are determined during calibration. SFEAD warrants that the increasing deviation due to the boundary effect after compensation is always less than $\pm 1\%$ for frequencies below 3 GHz; below $\pm 2\%$ for frequencies between 3-6 GHz; and below $\pm 3\%$ for frequencies between 6-10 GHz at any distance larger than half the probe (y) diameter from the boundary.

^G 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 62209-1020-000.

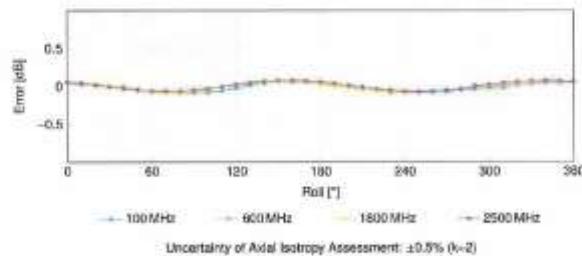
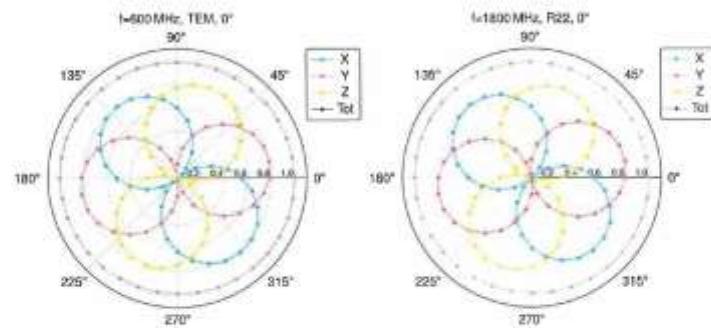
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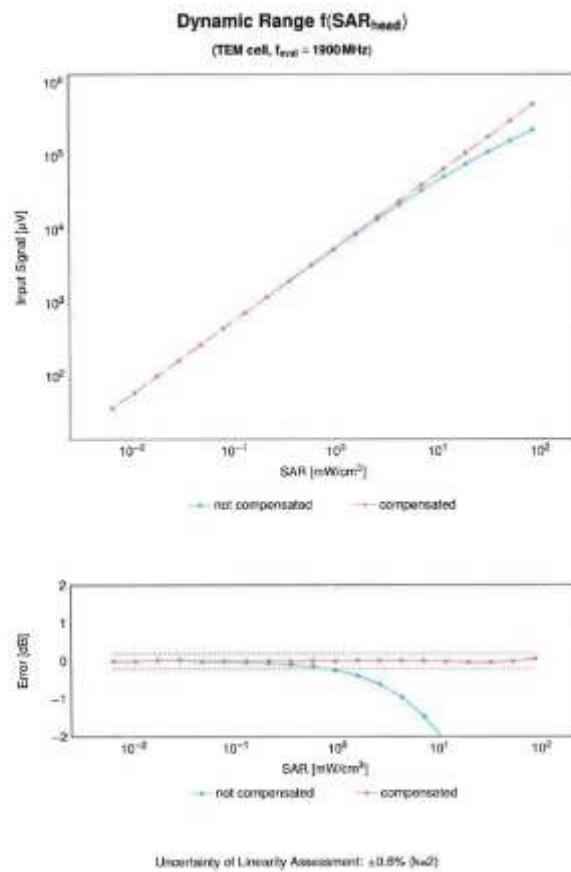
Receiving Pattern (ϕ), $\theta = 0^\circ$ 

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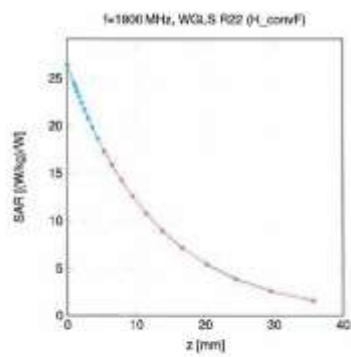
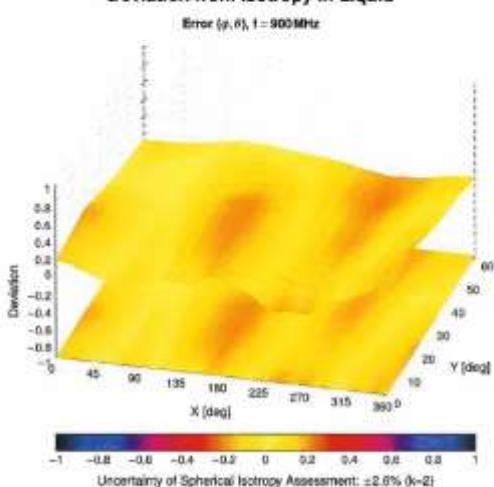


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Conversion Factor Assessment**Deviation from Isotropy in Liquid**

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Appendix: Modulation Calibration Parameters

ID#	Rev	Communication System Name	Group	PWR (dBm)	Unit ^a R = 2
3	CW		CW	0.00	±0.7
16015	CAB	SAR Validation (Squash, 10ms, 10ms)	Test	10.00	±0.0
16011	CAB	UMTS-FDD (WCDMA)	WCDMA	-2.91	±0.0
16014	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 6Mbps)	WLAN	-1.87	±0.6
16013	CAB	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 6Mbps)	WLAN	-0.46	±0.6
16021	DAC	DSMM-FDD (TDMA, QPSK, TR0-1)	DSMM	9.39	±0.6
16022	DAC	DPSS-FDD (TDMA, QPSK, TR0-1)	DSMM	9.57	±0.6
16024	DAC	DPSS-FDD (TDMA, QPSK, TR0-1)	DSMM	6.56	±0.6
16025	DAC	DSMM-FDD (TDMA, QPSK, TR0-1)	DSMM	-1.92	±0.6
16026	DAC	DSMM-FDD (TDMA, QPSK, TR0-1)	DSMM	9.36	±0.6
16027	DAC	DPSS-FDD (TDMA, QPSK, TR0-1)	DSMM	4.89	±0.6
16029	DAC	DPSS-FDD (TDMA, QPSK, TR0-1-2)	DSMM	5.58	±0.6
16030	DAC	EDDP-FDD (TDMA, QPSK, TR0-1-2)	DSMM	7.18	±0.6
16031	CAB	IEEE 802.15.1 Bluetooth (PSK, DH1)	Bluetooth	8.90	±0.6
16031	CAB	IEEE 802.15.1 Bluetooth (PSK, DH3)	Bluetooth	1.87	±0.6
16032	CAB	IEEE 802.15.1 Bluetooth (PSK, DH5)	Bluetooth	1.16	±0.6
16033	CAB	IEEE 802.15.1 Bluetooth (PSK, DH7)	Bluetooth	7.74	±0.6
16034	CAB	IEEE 802.15.1 Bluetooth (PSK, DH9)	Bluetooth	4.55	±0.6
16035	CAB	IEEE 802.15.1 Bluetooth (PSK, DH6)	Bluetooth	3.83	±0.6
16036	CAB	IEEE 802.15.1 Bluetooth (PSK, DH8)	Bluetooth	8.01	±0.6
16037	CAB	IEEE 802.15.1 Bluetooth (PSK, DH0)	Bluetooth	4.77	±0.6
16038	CAB	IEEE 802.15.1 Bluetooth (PSK, DH2)	Bluetooth	4.10	±0.6
16039	CAB	CEM452500 (1WRF, RCF1)	CEM452500	4.37	±0.6
16040	CAB	IS-54 / IS-136 FDD (TDMA, Full Duplex)	AMPS	7.78	±0.6
16044	CAB	IS-95A/IS-95B FDD (TDMA, FDD)	AMPS	3.39	±0.6
16045	CAB	IS-95C (TDMA, FDD, Full Duplex, 24)	IS-95C	11.40	±0.6
16049	CAB	IS-95C (TDMA, FDD, Full Duplex, 12)	IS-95C	11.78	±0.6
16050	CAB	UMTS-FDD (TD-SCDMA, 1.28Mbps)	TD-SCDMA	11.81	±0.6
16058	DAC	EDDP-FDD (TDMA, QPSK, TR0-1-2-3)	DSMM	9.82	±0.6
16059	CAB	IEEE 802.11b WiFi 2.4GHz (DSSS, 2Mbps)	WLAN	7.12	±0.6
16060	CAB	IEEE 802.11b WiFi 2.4GHz (DSSS, 5Mbps)	WLAN	2.83	±0.6
16061	CAB	IEEE 802.11b WiFi 2.4GHz (DSSS, 11Mbps)	WLAN	3.66	±0.6
16062	CAB	IEEE 802.11a WiFi 5GHz (OFDM, 6Mbps)	WLAN	8.68	±0.6
16063	CAB	IEEE 802.11a WiFi 5GHz (OFDM, 6Mbps)	WLAN	8.63	±0.6
16064	CAB	IEEE 802.11a WiFi 5GHz (OFDM, 12Mbps)	WLAN	9.08	±0.6
16065	CAB	IEEE 802.11a WiFi 5GHz (OFDM, 18Mbps)	WLAN	9.00	±0.6
16066	CAB	IEEE 802.11a WiFi 5GHz (OFDM, 24Mbps)	WLAN	9.38	±0.6
16067	CAB	IEEE 802.11a WiFi 5GHz (OFDM, 36Mbps)	WLAN	10.12	±0.6
16068	CAB	IEEE 802.11a WiFi 5GHz (OFDM, 48Mbps)	WLAN	10.24	±0.6
16069	CAB	IEEE 802.11a WiFi 5GHz (OFDM, 54Mbps)	WLAN	10.99	±0.6
16070	CAB	IEEE 802.11a WiFi 5GHz (DSSS-OFDM, 6Mbps)	WLAN	9.03	±0.6
16072	CAB	IEEE 802.11a WiFi 5GHz (DSSS-OFDM, 12Mbps)	WLAN	9.66	±0.6
16079	CAB	IEEE 802.11a WiFi 5GHz (DSSS-OFDM, 18Mbps)	WLAN	9.95	±0.6
16074	CAB	IEEE 802.11a WiFi 5GHz (DSSS-OFDM, 24Mbps)	WLAN	10.91	±0.6
16075	CAB	IEEE 802.11a WiFi 5GHz (DSSS-OFDM, 36Mbps)	WLAN	10.77	±0.6
16076	CAB	IEEE 802.11a WiFi 5GHz (DSSS-OFDM, 48Mbps)	WLAN	10.83	±0.6
16077	CAB	IEEE 802.11a WiFi 5GHz (DSSS-OFDM, 54Mbps)	WLAN	11.80	±0.6
16081	CAB	CEM452500 (1WRF, RCF1)	CEM452500	3.37	±0.6
16086	CAB	IS-54 / IS-136 FDD (TDMA, Full Duplex, 164-QPSK, FDD)	AMPS	4.77	±0.6
16089	DAC	DPSS-FDD (TDMA, QPSK, TR0-1)	DSMM	6.88	±0.6
16097	CAB	UMTS-FDD (WCDMA)	WCDMA	3.98	±0.6
16098	CAB	UMTS-FDD (DS-DSMM, Subset 2)	WCDMA	3.98	±0.6
16099	DAC	EDDP-FDD (TDMA, DS-DSMM, TR0-1)	DSMM	9.55	±0.6
16100	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-FDD	5.67	±0.6
16101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-FDD	5.42	±0.6
16102	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-FDD	6.68	±0.6
16103	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-FDD	6.29	±0.6
16104	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-FDD	6.97	±0.6
16105	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-FDD	10.01	±0.6
16106	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-FDD	5.80	±0.6
16108	CAB	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-FDD	6.42	±0.6
16110	CAB	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-FDD	6.76	±0.6
16111	CAB	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-FDD	6.44	±0.6

ID	Rev	Communication System Name	Group	PAR (dB)	Units $\lambda = 2$
10112	C4H	LTE-FDD SC-FDMA, 100% RS, 15 MHz, 84-QAM	LTE-FDD	6.99	± 0.3
10113	C4H	LTE-FDD SC-FDMA, 100% RS, 15 MHz, 64-QAM	LTE-FDD	6.92	± 0.3
10114	C4H	IEEE 802.11n (HT Greenfield, 15.5 Mbps, BPSK)	WLAN	8.10	± 0.2
10115	C4H	IEEE 802.11n (HT Greenfield, 8 Mbps, 64-QAM)	WLAN	6.46	± 0.2
10116	C4H	IEEE 802.11n (HT Greenfield, 35 Mbps, 64-QAM)	WLAN	6.15	± 0.2
10117	C4H	IEEE 802.11n (HT Mixed, 15.5 Mbps, BPSK)	WLAN	8.07	± 0.2
10118	C4H	IEEE 802.11n (HT Mixed, 8 Mbps, 64-QAM)	WLAN	8.29	± 0.2
10119	C4H	IEEE 802.11n (HT Mixed, 35 Mbps, 64-QAM)	WLAN	8.13	± 0.2
10143	C4H	LTE-FDD SC-FDMA, 100% RS, 15 MHz, 16-QAM	LTE-FDD	6.49	± 0.2
10141	C4H	LTE-FDD SC-FDMA, 100% RS, 15 MHz, 64-QAM	LTE-FDD	5.93	± 0.2
10142	C4H	LTE-FDD SC-FDMA, 100% RS, 3 MHz, QPSK	LTE-FDD	6.73	± 0.2
10143	C4H	LTE-FDD SC-FDMA, 100% RS, 3 MHz, 16-QAM	LTE-FDD	6.35	± 0.2
10144	C4H	LTE-FDD SC-FDMA, 100% RS, 3 MHz, 64-QAM	LTE-FDD	6.85	± 0.2
10145	C4H	LTE-FDD SC-FDMA, 100% RS, 1.4 MHz, QPSK	LTE-FDD	8.78	± 0.2
10146	C4H	LTE-FDD SC-FDMA, 100% RS, 1.4 MHz, 16-QAM	LTE-FDD	8.41	± 0.2
10147	C4H	LTE-FDD SC-FDMA, 100% RS, 1.4 MHz, 64-QAM	LTE-FDD	8.72	± 0.2
10148	C4H	LTE-FDD SC-FDMA, 50% RS, 28 MHz, 16-QAM	LTE-FDD	6.42	± 0.2
10149	C4H	LTE-FDD SC-FDMA, 50% RS, 28 MHz, 64-QAM	LTE-FDD	6.66	± 0.2
10150	C4H	LTE-TDD SC-FDMA, 50% RS, 28 MHz, BPSK	LTE-TDD	9.26	± 0.2
10151	C4H	LTE-TDD SC-FDMA, 50% RS, 28 MHz, 16-QAM	LTE-TDD	8.92	± 0.2
10152	C4H	LTE-TDD SC-FDMA, 50% RS, 28 MHz, 64-QAM	LTE-TDD	9.05	± 0.2
10153	C4H	LTE-TDD SC-FDMA, 50% RS, 28 MHz, 64-QAM	LTE-TDD	10.05	± 0.2
10154	C4H	LTE-FDD SC-FDMA, 50% RS, 10 MHz, QPSK	LTE-FDD	5.75	± 0.2
10155	C4H	LTE-FDD SC-FDMA, 50% RS, 10 MHz, 16-QAM	LTE-FDD	6.43	± 0.2
10156	C4H	LTE-FDD SC-FDMA, 50% RS, 10 MHz, 64-QAM	LTE-FDD	6.79	± 0.2
10157	C4H	LTE-FDD SC-FDMA, 50% RS, 5 MHz, 16-QAM	LTE-FDD	6.49	± 0.2
10158	C4H	LTE-FDD SC-FDMA, 50% RS, 10 MHz, 64-QAM	LTE-FDD	6.02	± 0.2
10159	C4H	LTE-FDD SC-FDMA, 50% RS, 5 MHz, 64-QAM	LTE-FDD	6.99	± 0.2
10160	C4H	LTE-FDD SC-FDMA, 50% RS, 10 MHz, QPSK	LTE-FDD	5.82	± 0.2
10161	C4H	LTE-FDD SC-FDMA, 50% RS, 10 MHz, 16-QAM	LTE-FDD	6.43	± 0.2
10162	C4H	LTE-FDD SC-FDMA, 50% RS, 10 MHz, 64-QAM	LTE-FDD	9.58	± 0.2
10163	C4H	LTE-FDD SC-FDMA, 50% RS, 1.4 MHz, QPSK	LTE-FDD	5.48	± 0.2
10164	C4H	LTE-FDD SC-FDMA, 50% RS, 1.4 MHz, 16-QAM	LTE-FDD	6.21	± 0.2
10165	C4H	LTE-FDD SC-FDMA, 50% RS, 1.4 MHz, 64-QAM	LTE-FDD	6.79	± 0.2
10166	C4H	LTE-FDD SC-FDMA, 50% RS, 1.4 MHz, QPSK	LTE-FDD	5.78	± 0.2
10167	C4H	LTE-FDD SC-FDMA, 1 RS, 30 MHz, QPSK	LTE-FDD	8.85	± 0.2
10168	C4H	LTE-FDD SC-FDMA, 1 RS, 30 MHz, 16-QAM	LTE-FDD	8.45	± 0.2
10169	C4H	LTE-FDD SC-FDMA, 1 RS, 30 MHz, 64-QAM	LTE-FDD	9.21	± 0.2
10170	C4H	LTE-FDD SC-FDMA, 1 RS, 30 MHz, 64-QAM	LTE-FDD	8.46	± 0.2
10171	A4H	LTE-FDD SC-FDMA, 1 RS, 20 MHz, 64-QAM	LTE-FDD	8.45	± 0.2
10172	C4H	LTE-TDD SC-FDMA, 1 RS, 30 MHz, 64-QAM	LTE-TDD	8.46	± 0.2
10173	C4H	LTE-TDD SC-FDMA, 1 RS, 20 MHz, 64-QAM	LTE-TDD	8.46	± 0.2
10174	C4H	LTE-TDD SC-FDMA, 1 RS, 20 MHz, 64-QAM	LTE-TDD	10.26	± 0.2
10175	C4H	LTE-FDD SC-FDMA, 1 RS, 10 MHz, QPSK	LTE-FDD	5.72	± 0.2
10176	C4H	LTE-FDD SC-FDMA, 1 RS, 10 MHz, 64-QAM	LTE-FDD	6.59	± 0.2
10177	C4H	LTE-FDD SC-FDMA, 1 RS, 10 MHz, QPSK	LTE-FDD	5.73	± 0.2
10178	C4H	LTE-FDD SC-FDMA, 1 RS, 5 MHz, 64-QAM	LTE-FDD	6.92	± 0.2
10179	C4H	LTE-FDD SC-FDMA, 1 RS, 5 MHz, 64-QAM	LTE-FDD	6.50	± 0.2
10180	C4H	LTE-FDD SC-FDMA, 1 RS, 1 MHz, QPSK	LTE-FDD	6.80	± 0.2
10181	C4H	LTE-FDD SC-FDMA, 1 RS, 1 MHz, QPSK	LTE-FDD	5.70	± 0.2
10182	C4H	LTE-FDD SC-FDMA, 1 RS, 1 MHz, 64-QAM	LTE-FDD	6.32	± 0.2
10183	A4H	LTE-FDD SC-FDMA, 1 RS, 1 MHz, 64-QAM	LTE-FDD	6.30	± 0.2
10184	C4H	LTE-FDD SC-FDMA, 1 RS, 1 MHz, QPSK	LTE-FDD	6.73	± 0.2
10185	C4H	LTE-FDD SC-FDMA, 1 RS, 2 MHz, 16-QAM	LTE-FDD	6.51	± 0.2
10186	A4H	LTE-FDD SC-FDMA, 1 RS, 2 MHz, 16-QAM	LTE-FDD	6.59	± 0.2
10187	C4H	LTE-FDD SC-FDMA, 1 RS, 2 MHz, 64-QAM	LTE-FDD	6.73	± 0.2
10188	C4H	LTE-FDD SC-FDMA, 1 RS, 1 MHz, QPSK	LTE-FDD	6.52	± 0.2
10189	C4H	LTE-FDD SC-FDMA, 1 RS, 1 MHz, QPSK	LTE-FDD	6.73	± 0.2
10190	C4H	LTE-FDD SC-FDMA, 1 RS, 1.4 MHz, 16-QAM	LTE-FDD	6.52	± 0.2
10191	C4H	LTE-FDD SC-FDMA, 1 RS, 1.4 MHz, 64-QAM	LTE-FDD	6.53	± 0.2
10192	C4H	IEEE 802.11n (HT Greenfield, 5.5 Mbps, BPSK)	WLAN	8.39	± 0.2
10193	C4H	IEEE 802.11n (HT Greenfield, 9 Mbps, 64-QAM)	WLAN	6.12	± 0.2
10194	C4H	IEEE 802.11n (HT Greenfield, 5.5 Mbps, BPSK)	WLAN	8.21	± 0.2
10195	C4H	IEEE 802.11n (HT Greenfield, 5.5 Mbps, BPSK)	WLAN	8.10	± 0.2
10196	C4H	IEEE 802.11n (HT Mixed, 30 Mbps, 64-QAM)	WLAN	8.12	± 0.2
10197	C4H	IEEE 802.11n (HT Mixed, 30 Mbps, 64-QAM)	WLAN	8.27	± 0.2
10198	C4H	IEEE 802.11n (HT Mixed, 30 Mbps, 64-QAM)	WLAN	8.03	± 0.2
10199	C4H	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	6.13	± 0.2
10200	C4H	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	6.27	± 0.2
10201	C4H	IEEE 802.11n (HT Mixed, 96 Mbps, 64-QAM)	WLAN	8.09	± 0.2
10202	C4H	IEEE 802.11n (HT Mixed, 96 Mbps, 64-QAM)	WLAN	8.48	± 0.2
10203	C4H	IEEE 802.11n (HT Mixed, 158 Mbps, 64-QAM)	WLAN	8.33	± 0.2

ID	Rev	Communication System Name	Group	PRR (dB)	Link ² K = 2
10225	CAC	LTE-TDD (SC-FDMA, 1 RBL, 1.4MHz, 16-QAM)	WCDMA	8.07	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RBL, 1.4MHz, 64-QAM)	LTE-TDD	9.49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RBL, 1.4MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RBL, 1.4MHz, QPSK)	LTE-TDD	9.27	±9.6
10229	CAC	LTE-TDD (SC-FDMA, 1 RBL, 1.4MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAC	LTE-TDD (SC-FDMA, 1 RBL, 3MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAC	LTE-TDD (SC-FDMA, 1 RBL, 3MHz, QPSK)	LTE-TDD	10.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RBL, 3MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RBL, 3MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RBL, 3MHz, QPSK)	LTE-TDD	9.25	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RBL, 3MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RBL, 10MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RBL, 10MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAH	LTE-TDD (SC-FDMA, 1 RBL, 10MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAH	LTE-TDD (SC-FDMA, 1 RBL, 3MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAH	LTE-TDD (SC-FDMA, 1 RBL, 3MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 30% RBL, 1.4MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 30% RBL, 1.4MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 30% RBL, 1.4MHz, QPSK)	LTE-TDD	9.25	±9.6
10244	CAC	LTE-TDD (SC-FDMA, 30% RBL, 1.4MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10245	CAC	LTE-TDD (SC-FDMA, 30% RBL, 3MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10246	CAC	LTE-TDD (SC-FDMA, 30% RBL, 3MHz, QPSK)	LTE-TDD	10.06	±9.6
10247	CAC	LTE-TDD (SC-FDMA, 30% RBL, 3MHz, 16-QAM)	LTE-TDD	9.31	±9.6
10248	CAC	LTE-TDD (SC-FDMA, 30% RBL, 3MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAC	LTE-TDD (SC-FDMA, 30% RBL, 3MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RBL, 1.4MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RBL, 1.4MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RBL, 1.4MHz, QPSK)	LTE-TDD	9.24	±9.6
10253	CAC	LTE-TDD (SC-FDMA, 60% RBL, 1.4MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10254	CAC	LTE-TDD (SC-FDMA, 60% RBL, 1.4MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAC	LTE-TDD (SC-FDMA, 60% RBL, 1.4MHz, QPSK)	LTE-TDD	9.29	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 60% RBL, 1.4MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RBL, 1.4MHz, 16-QAM)	LTE-TDD	9.25	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RBL, 1.4MHz, 64-QAM)	LTE-TDD	10.18	±9.6
10259	CAC	LTE-TDD (SC-FDMA, 100% RBL, 1.4MHz, QPSK)	LTE-TDD	9.34	±9.6
10260	CAC	LTE-TDD (SC-FDMA, 100% RBL, 3MHz, 16-QAM)	LTE-TDD	9.28	±9.6
10261	CAC	LTE-TDD (SC-FDMA, 100% RBL, 3MHz, QPSK)	LTE-TDD	9.37	±9.6
10262	CAC	LTE-TDD (SC-FDMA, 100% RBL, 3MHz, 16-QAM)	LTE-TDD	9.34	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RBL, 3MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RBL, 3MHz, QPSK)	LTE-TDD	10.13	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 60% RBL, 3MHz, 16-QAM)	LTE-TDD	9.29	±9.6
10266	CAH	LTE-TDD (SC-FDMA, 60% RBL, 3MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 60% RBL, 3MHz, QPSK)	LTE-TDD	9.25	±9.6
10268	CAH	LTE-TDD (SC-FDMA, 100% RBL, 3MHz, 16-QAM)	LTE-TDD	9.34	±9.6
10269	CAH	LTE-TDD (SC-FDMA, 100% RBL, 3MHz, QPSK)	LTE-TDD	9.38	±9.6
10270	CAH	LTE-TDD (SC-FDMA, 100% RBL, 3MHz, 16-QAM)	LTE-TDD	9.37	±9.6
10271	CAH	LTE-TDD (SC-FDMA, 100% RBL, 3MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10272	CAH	LTE-TDD (SC-FDMA, 100% RBL, 3MHz, QPSK)	LTE-TDD	10.08	±9.6
10273	CAH	LTE-TDD (SC-FDMA, 100% RBL, 16MHz, 16-QAM)	LTE-TDD	10.09	±9.6
10274	CAH	LTE-TDD (SC-FDMA, 100% RBL, 16MHz, QPSK)	LTE-TDD	9.48	±9.6
10275	CAC	UMTS-5-FDD (HSDPA, Current 5, 3GPP Rel8.4)	WCDMA	9.98	±9.6
10276	CAC	PHS (QPSK, 8MHz 884 MHz, Roach 8.8)	PHS	11.81	±8.6
10277	CAC	PHS (QPSK, 8MHz 884 MHz, Roach 8.38)	PHS	11.81	±8.6
10278	AAA	CDMA2000, RLC3, 9.035, Full Rate	CDMA2000	3.91	±9.6
10279	AAA	CDMA2000, RLC3, 9.035, Full Rate	CDMA2000	3.48	±9.6
10280	AAA	CDMA2000, RLC3, 9.032, Full Rate	CDMA2000	3.99	±9.6
10281	AAA	CDMA2000, RLC3, 9.032, Full Rate	CDMA2000	3.93	±9.6
10282	AAA	CDMA2000, RLC3, 9.032, Full Rate	CDMA2000	12.49	±9.6
10283	AAA	CDMA2000, RLC3, 9.032, Full Rate	CDMA2000	12.49	±9.6
10284	AAA	CDMA2000, RLC3, 9.032, Full Rate	CDMA2000	12.49	±9.6
10285	AAA	CDMA2000, RLC3, 9.032, Full Rate	CDMA2000	12.49	±9.6
10286	AAA	CDMA2000, RLC3, 9.032, Full Rate	CDMA2000	12.49	±9.6
10287	AAA	CDMA2000, RLC3, 9.032, Full Rate	CDMA2000	12.49	±9.6
10288	AAA	CDMA2000, RLC3, 9.032, Full Rate	CDMA2000	12.49	±9.6
10289	AAA	CDMA2000, RLC3, 9.032, Full Rate	CDMA2000	12.49	±9.6
10290	AAA	CDMA2000, RLC3, 9.032, Full Rate	CDMA2000	12.49	±9.6
10291	AAA	IEEE 802.16e WMAX 28MHz, 10MHz, QPSK, PLSC	WMAX	12.03	±9.6
10292	AAA	IEEE 802.16e WMAX 28MHz, 10MHz, QPSK, PLSC, 9 CTRL symbols	WMAX	12.57	±9.6
10293	AAA	IEEE 802.16e WMAX 28MHz, 10MHz, 64QAM, PLSC	WMAX	12.59	±9.6
10294	AAA	IEEE 802.16e WMAX 28MHz, 10MHz, 64QAM, PLSC	WMAX	11.86	±9.6
10295	AAA	IEEE 802.16e WMAX 31.75, 10MHz, 10MHz, 64QAM, PLSC, 16 symbols	WMAX	15.24	±9.6
10296	AAA	IEEE 802.16e WMAX 29.18, 10MHz, 10MHz, 64QAM, PLSC, 16 symbols	WMAX	14.87	±9.6

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UID	Rev	Communication System Name	Group	PWR (dB)	Units
10475	AAC	LTE-TDD (SC-FDMA, 1.981, 10MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.57	+0.0
10475	AAF	LTE-TDD (SC-FDMA, 1.981, 10MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.82	+0.0
10474	AAF	LTE-TDD (SC-FDMA, 1.981, 10MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.32	+0.0
10475	AAF	LTE-TDD (SC-FDMA, 1.981, 10MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.57	+0.0
10477	AAQ	LTE-TDD (SC-FDMA, 1.981, 20MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.32	+0.0
10478	AAD	LTE-TDD (SC-FDMA, 1.981, 20MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.57	+0.0
10479	AAD	LTE-TDD (SC-FDMA, 30% FB, 1.4 MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.34	+0.0
10480	AAD	LTE-TDD (SC-FDMA, 50% FB, 1.4 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.18	+0.0
10481	AAC	LTE-TDD (SC-FDMA, 50% FB, 1.4 MHz, 4F-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.48	+0.0
10482	AAD	LTE-TDD (SC-FDMA, 50% FB, 2MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.71	+0.0
10483	AAD	LTE-TDD (SC-FDMA, 50% FB, 2MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.98	+0.0
10484	AAD	LTE-TDD (SC-FDMA, 50% FB, 3MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.42	+0.0
10485	AAD	LTE-TDD (SC-FDMA, 50% FB, 5MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.86	+0.0
10486	AAD	LTE-TDD (SC-FDMA, 50% FB, 5MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.38	+0.0
10487	AAD	LTE-TDD (SC-FDMA, 50% FB, 5MHz, 4F-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.66	+0.0
10488	AAD	LTE-TDD (SC-FDMA, 50% FB, 5MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.70	+0.0
10489	AAD	LTE-TDD (SC-FDMA, 50% FB, 10MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.31	+0.0
10490	AAD	LTE-TDD (SC-FDMA, 50% FB, 10MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.94	+0.0
10491	AAV	LTE-TDD (SC-FDMA, 6MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.74	+0.0
10492	AAP	LTE-TDD (SC-FDMA, 8MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.41	+0.0
10493	AAP	LTE-TDD (SC-FDMA, 12MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.86	+0.0
10494	AAD	LTE-TDD (SC-FDMA, 16MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.99	+0.0
10495	AAD	LTE-TDD (SC-FDMA, 20MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.74	+0.0
10496	AAD	LTE-TDD (SC-FDMA, 50% FB, 20MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.37	+0.0
10497	AAD	LTE-TDD (SC-FDMA, 50% FB, 20MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	9.51	+0.0
10498	AAD	LTE-TDD (SC-FDMA, 50% FB, 10MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.87	+0.0
10498	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	9.40	+0.0
10499	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.88	+0.0
10500	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.87	+0.0
10501	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.44	+0.0
10502	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	9.82	+0.0
10503	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.72	+0.0
10504	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.31	+0.0
10505	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.64	+0.0
10506	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.74	+0.0
10507	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.38	+0.0
10508	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	9.86	+0.0
10509	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.98	+0.0
10510	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.48	+0.0
10511	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	9.82	+0.0
10512	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.72	+0.0
10513	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.31	+0.0
10514	AAD	LTE-TDD (SC-FDMA, 100% FB, 1.4MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.61	+0.0
10515	AAD	LTE-TDD (SC-FDMA, 100% FB, 20MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.46	+0.0
10516	AAD	IEEE 802.11b WiFi 2.4GHz, 5.8Mbps, 80pc duty cycle	WLAN	1.50	+0.0
10517	AAD	IEEE 802.11b WiFi 2.4GHz, 285.2Mbps, 80pc duty cycle	WLAN	1.57	+0.0
10518	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	1.66	+0.0
10519	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.03	+0.0
10520	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.29	+0.0
10521	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.51	+0.0
10522	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	7.74	+0.0
10523	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.48	+0.0
10524	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.39	+0.0
10525	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.27	+0.0
10526	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.38	+0.0
10527	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	9.42	+0.0
10528	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.47	+0.0
10529	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.38	+0.0
10530	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.41	+0.0
10531	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.29	+0.0
10532	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.27	+0.0
10533	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.38	+0.0
10534	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.48	+0.0
10535	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.47	+0.0
10536	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.39	+0.0
10537	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.44	+0.0
10538	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.54	+0.0
10539	AAD	IEEE 802.11ac WiFi 5GHz, 100Mbps, 80pc duty cycle	WLAN	8.09	+0.0

UID	Rev	Communication System Name	Group	PWR (dB)	Units $\text{E} \text{ A} =$
10541	AAD	IEEE 802.11ac WiFi(45MHz, M25-51, 80pc duty cycle)	WLAN	8.46	+0.0
10542	AAD	IEEE 802.11ac WiFi(45MHz, M25-50, 90pc duty cycle)	WLAN	8.65	+0.0
10543	AAD	IEEE 802.11ac WiFi(45MHz, M25-50, 99pc duty cycle)	WLAN	8.85	+0.0
10544	AAD	IEEE 802.11ac WiFi(55MHz, M25-51, 80pc duty cycle)	WLAN	8.47	+0.0
10545	AAD	IEEE 802.11ac WiFi(55MHz, M25-51, 90pc duty cycle)	WLAN	8.55	+0.0
10546	AAD	IEEE 802.11ac WiFi(55MHz, M25-50, 99pc duty cycle)	WLAN	8.55	+0.0
10547	AAD	IEEE 802.11ac WiFi(60MHz, M25-50, 80pc duty cycle)	WLAN	8.46	+0.0
10548	AAD	IEEE 802.11ac WiFi(60MHz, M25-50, 90pc duty cycle)	WLAN	8.57	+0.0
10549	AAD	IEEE 802.11ac WiFi(60MHz, M25-50, 99pc duty cycle)	WLAN	8.56	+0.0
10550	AAD	IEEE 802.11ac WiFi(70MHz, M25-50, 80pc duty cycle)	WLAN	8.50	+0.0
10551	AAD	IEEE 802.11ac WiFi(70MHz, M25-50, 90pc duty cycle)	WLAN	8.60	+0.0
10552	AAD	IEEE 802.11ac WiFi(70MHz, M25-50, 99pc duty cycle)	WLAN	8.60	+0.0
10553	AAD	IEEE 802.11ac WiFi(160MHz, M25-50, 80pc duty cycle)	WLAN	8.46	+0.0
10554	AAD	IEEE 802.11ac WiFi(160MHz, M25-50, 90pc duty cycle)	WLAN	8.47	+0.0
10555	AAD	IEEE 802.11ac WiFi(160MHz, M25-50, 99pc duty cycle)	WLAN	8.47	+0.0
10556	AAD	IEEE 802.11ac WiFi(160MHz, M25-51, 80pc duty cycle)	WLAN	8.50	+0.0
10557	AAD	IEEE 802.11ac WiFi(160MHz, M25-51, 90pc duty cycle)	WLAN	8.59	+0.0
10558	AAD	IEEE 802.11ac WiFi(160MHz, M25-51, 99pc duty cycle)	WLAN	8.61	+0.0
10559	AAD	IEEE 802.11ac WiFi(160MHz, M25-52, 80pc duty cycle)	WLAN	8.73	+0.0
10560	AAD	IEEE 802.11ac WiFi(160MHz, M25-52, 90pc duty cycle)	WLAN	8.56	+0.0
10561	AAD	IEEE 802.11ac WiFi(160MHz, M25-52, 99pc duty cycle)	WLAN	8.59	+0.0
10562	AAD	IEEE 802.11ac WiFi(160MHz-2, M25-52, 80pc duty cycle)	WLAN	8.59	+0.0
10563	AAD	IEEE 802.11ac WiFi(160MHz-2, M25-52, 90pc duty cycle)	WLAN	8.77	+0.0
10564	AAD	IEEE 802.11ac WiFi(160MHz-2, M25-52, 99pc duty cycle)	WLAN	8.75	+0.0
10565	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 8Mbps, 80pc duty cycle)	WLAN	8.45	+0.0
10566	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 12Mbps, 80pc duty cycle)	WLAN	8.45	+0.0
10567	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 16Mbps, 80pc duty cycle)	WLAN	8.13	+0.0
10568	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 24Mbps, 80pc duty cycle)	WLAN	8.09	+0.0
10569	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 30Mbps, 80pc duty cycle)	WLAN	8.37	+0.0
10570	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 48Mbps, 80pc duty cycle)	WLAN	8.18	+0.0
10571	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 54Mbps, 80pc duty cycle)	WLAN	8.30	+0.0
10572	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 8Mbps, 80pc duty cycle)	WLAN	8.06	+0.0
10573	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 8.5Mbps, 80pc duty cycle)	WLAN	1.98	+0.0
10574	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 11Mbps, 80pc duty cycle)	WLAN	1.98	+0.0
10575	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 6Mbps, 90pc duty cycle)	WLAN	8.99	+0.0
10576	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 9Mbps, 90pc duty cycle)	WLAN	8.60	+0.0
10577	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 12Mbps, 90pc duty cycle)	WLAN	8.70	+0.0
10578	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 18Mbps, 90pc duty cycle)	WLAN	8.49	+0.0
10579	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 24Mbps, 90pc duty cycle)	WLAN	8.28	+0.0
10580	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 30Mbps, 90pc duty cycle)	WLAN	8.76	+0.0
10581	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 48Mbps, 90pc duty cycle)	WLAN	8.29	+0.0
10582	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 54Mbps, 90pc duty cycle)	WLAN	8.67	+0.0
10583	AAD	IEEE 802.11ac WiFi(2.4GHz (15525-OFDM), 60Mbps, 90pc duty cycle)	WLAN	8.94	+0.0
10584	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 9Mbps, 90pc duty cycle)	WLAN	8.89	+0.0
10585	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 12Mbps, 90pc duty cycle)	WLAN	8.71	+0.0
10586	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 18Mbps, 90pc duty cycle)	WLAN	8.49	+0.0
10587	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 24Mbps, 90pc duty cycle)	WLAN	8.34	+0.0
10588	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 30Mbps, 90pc duty cycle)	WLAN	8.79	+0.0
10589	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 48Mbps, 90pc duty cycle)	WLAN	8.35	+0.0
10590	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 54Mbps, 90pc duty cycle)	WLAN	8.78	+0.0
10591	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 60Mbps, 90pc duty cycle)	WLAN	8.83	+0.0
10592	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 65Mbps, 90pc duty cycle)	WLAN	8.79	+0.0
10593	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 70Mbps, 90pc duty cycle)	WLAN	8.84	+0.0
10594	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 75Mbps, 90pc duty cycle)	WLAN	8.79	+0.0
10595	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 80Mbps, 90pc duty cycle)	WLAN	8.74	+0.0
10596	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 85Mbps, 90pc duty cycle)	WLAN	8.74	+0.0
10597	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 90Mbps, 90pc duty cycle)	WLAN	8.74	+0.0
10598	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 95Mbps, 90pc duty cycle)	WLAN	8.70	+0.0
10599	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 100Mbps, 90pc duty cycle)	WLAN	8.66	+0.0
10600	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 105Mbps, 90pc duty cycle)	WLAN	8.77	+0.0
10601	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 110Mbps, 90pc duty cycle)	WLAN	8.77	+0.0
10602	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 115Mbps, 90pc duty cycle)	WLAN	8.77	+0.0
10603	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 120Mbps, 90pc duty cycle)	WLAN	8.77	+0.0
10604	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 125Mbps, 90pc duty cycle)	WLAN	8.77	+0.0
10605	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 130Mbps, 90pc duty cycle)	WLAN	8.77	+0.0
10606	AAD	IEEE 802.11ac WiFi(5GHz (OFDM), 135Mbps, 90pc duty cycle)	WLAN	8.77	+0.0

UID	Rev	Communication System Name	Group	PWR (dB)	Unit ^a A = 2
16609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 900p duty cycle)	WLAN	8.57	+0.6
16610	AAD	IEEE 802.11ac WiFi (20 MHz, MCS9, 900p duty cycle)	WLAN	9.79	+0.6
16611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS9, 900p duty cycle)	WLAN	9.73	+0.6
16612	AAD	IEEE 802.11ac WiFi (29 MHz, MCS8, 900p duty cycle)	WLAN	8.77	+0.6
16613	AAD	IEEE 802.11ac WiFi (29 MHz, MCS9, 900p duty cycle)	WLAN	8.94	+0.6
16614	AAD	IEEE 802.11ac WiFi (29 MHz, MCS7, 900p duty cycle)	WLAN	8.39	+0.6
16615	AAD	IEEE 802.11ac WiFi (29 MHz, MCS8, 900p duty cycle)	WLAN	8.82	+0.6
16616	AAD	IEEE 802.11ac WiFi (48 MHz, MCS9, 900p duty cycle)	WLAN	8.82	+0.6
16617	AAD	IEEE 802.11ac WiFi (48 MHz, MCS1, 900p duty cycle)	WLAN	8.87	+0.6
16618	AAD	IEEE 802.11ac WiFi (48 MHz, MCS2, 900p duty cycle)	WLAN	3.58	+0.6
16619	AAD	IEEE 802.11ac WiFi (48 MHz, MCS3, 900p duty cycle)	WLAN	8.86	+0.6
16620	AAD	IEEE 802.11ac WiFi (48 MHz, MCS4, 900p duty cycle)	WLAN	8.87	+0.6
16621	AAD	IEEE 802.11ac WiFi (48 MHz, MCS5, 900p duty cycle)	WLAN	8.77	+0.6
16622	AAD	IEEE 802.11ac WiFi (48 MHz, MCS6, 900p duty cycle)	WLAN	8.88	+0.6
16623	AAD	IEEE 802.11ac WiFi (48 MHz, MCS7, 900p duty cycle)	WLAN	4.82	+0.6
16624	AAD	IEEE 802.11ac WiFi (48 MHz, MCS8, 900p duty cycle)	WLAN	9.56	+0.6
16625	AAD	IEEE 802.11ac WiFi (48 MHz, MCS9, 900p duty cycle)	WLAN	9.36	+0.6
16626	AAD	IEEE 802.11ac WiFi (48 MHz, MCS10, 900p duty cycle)	WLAN	8.82	+0.6
16627	AAD	IEEE 802.11ac WiFi (60 MHz, MCS1, 900p duty cycle)	WLAN	8.68	+0.6
16628	AAD	IEEE 802.11ac WiFi (60 MHz, MCS2, 900p duty cycle)	WLAN	8.71	+0.6
16629	AAD	IEEE 802.11ac WiFi (60 MHz, MCS3, 900p duty cycle)	WLAN	8.66	+0.6
16630	AAD	IEEE 802.11ac WiFi (60 MHz, MCS4, 900p duty cycle)	WLAN	8.72	+0.6
16631	AAD	IEEE 802.11ac WiFi (60 MHz, MCS5, 900p duty cycle)	WLAN	8.81	+0.6
16632	AAD	IEEE 802.11ac WiFi (60 MHz, MCS6, 900p duty cycle)	WLAN	8.74	+0.6
16633	AAD	IEEE 802.11ac WiFi (60 MHz, MCS7, 900p duty cycle)	WLAN	8.66	+0.6
16634	AAD	IEEE 802.11ac WiFi (60 MHz, MCS8, 900p duty cycle)	WLAN	8.80	+0.6
16635	AAD	IEEE 802.11ac WiFi (60 MHz, MCS9, 900p duty cycle)	WLAN	8.81	+0.6
16636	AAD	IEEE 802.11ac WiFi (60 MHz, MCS10, 900p duty cycle)	WLAN	8.83	+0.6
16637	AAD	IEEE 802.11ac WiFi (100 MHz, MCS1, 900p duty cycle)	WLAN	8.79	+0.6
16638	AAD	IEEE 802.11ac WiFi (100 MHz, MCS2, 900p duty cycle)	WLAN	8.86	+0.6
16639	AAD	IEEE 802.11ac WiFi (100 MHz, MCS3, 900p duty cycle)	WLAN	8.86	+0.6
16640	AAD	IEEE 802.11ac WiFi (100 MHz, MCS4, 900p duty cycle)	WLAN	8.85	+0.6
16641	AAD	IEEE 802.11ac WiFi (100 MHz, MCS5, 900p duty cycle)	WLAN	9.05	+0.6
16642	AAD	IEEE 802.11ac WiFi (100 MHz, MCS6, 900p duty cycle)	WLAN	9.04	+0.6
16643	AAD	IEEE 802.11ac WiFi (100 MHz, MCS7, 900p duty cycle)	WLAN	8.89	+0.6
16644	AAD	IEEE 802.11ac WiFi (100 MHz, MCS8, 900p duty cycle)	WLAN	9.03	+0.6
16645	AAD	IEEE 802.11ac WiFi (100 MHz, MCS9, 900p duty cycle)	WLAN	9.11	+0.6
16646	AAD	IEEE 802.11ac WiFi (100 MHz, MCS10, 900p duty cycle)	WLAN	9.06	+0.6
16647	AAD	LTE-TDD (95-FDD18, 1 PRB, 20 MHz, CP88, UL Subframe2, 7)	LTE-TDD	11.89	+0.6
16648	AAD	LTE-TDD (95-FDD18, 1 PRB, 20 MHz, CP88, UL Subframe3, 7)	LTE-TDD	11.99	+0.6
16649	AAA	CDMA2000 (Tx Advanced)	CDMA2000	3.45	+0.0
16650	AAA	LTE-TDD (OFDMA, 0 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	9.81	+0.6
16651	AAA	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	+0.6
16652	AAA	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.99	+0.6
16653	AAA	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.31	+0.6
16654	AAA	Pulse Waveform (200MHz, 1024)	Test	9.89	+0.6
16655	AAA	Pulse Waveform (200MHz, 2048)	Test	8.89	+0.6
16656	AAA	Pulse Waveform (200MHz, 4096)	Test	3.48	+0.6
16657	AAA	Pulse Waveform (200MHz, 8192)	Test	2.22	+0.6
16658	AAA	Pulse Waveform (200MHz, 8962)	Test	0.87	+0.6
16659	AAA	Bluetooth Low Energy	Bluetooth	2.19	+0.6
16660	AAA	IEEE 802.11ax (20 MHz, MCS8, 900p duty cycle)	WLAN	8.08	+0.6
16661	AAA	IEEE 802.11ax (20 MHz, MCS9, 900p duty cycle)	WLAN	8.57	+0.6
16662	AAA	IEEE 802.11ax (20 MHz, MCS10, 900p duty cycle)	WLAN	8.78	+0.6
16663	AAA	IEEE 802.11ax (20 MHz, MCS11, 900p duty cycle)	WLAN	8.74	+0.6
16664	AAA	IEEE 802.11ax (20 MHz, MCS12, 900p duty cycle)	WLAN	8.86	+0.6
16665	AAA	IEEE 802.11ax (20 MHz, MCS13, 900p duty cycle)	WLAN	8.77	+0.6
16666	AAA	IEEE 802.11ax (20 MHz, MCS14, 900p duty cycle)	WLAN	8.75	+0.6
16667	AAA	IEEE 802.11ax (20 MHz, MCS15, 900p duty cycle)	WLAN	8.76	+0.6
16668	AAA	IEEE 802.11ax (20 MHz, MCS16, 900p duty cycle)	WLAN	8.89	+0.6
16669	AAA	IEEE 802.11ax (20 MHz, MCS17, 900p duty cycle)	WLAN	8.62	+0.6
16670	AAA	IEEE 802.11ax (20 MHz, MCS18, 900p duty cycle)	WLAN	8.63	+0.6
16671	AAA	IEEE 802.11ax (20 MHz, MCS19, 900p duty cycle)	WLAN	8.61	+0.6
16672	AAA	IEEE 802.11ax (20 MHz, MCS20, 900p duty cycle)	WLAN	8.26	+0.6
16673	AAA	IEEE 802.11ax (20 MHz, MCS21, 900p duty cycle)	WLAN	8.03	+0.6
16674	AAA	IEEE 802.11ax (20 MHz, MCS22, 900p duty cycle)	WLAN	8.29	+0.6
16675	AAA	IEEE 802.11ax (20 MHz, MCS23, 900p duty cycle)	WLAN	8.29	+0.6
16676	AAA	IEEE 802.11ax (20 MHz, MCS24, 900p duty cycle)	WLAN	8.29	+0.6
16677	AAA	IEEE 802.11ax (20 MHz, MCS25, 900p duty cycle)	WLAN	8.29	+0.6
16678	AAA	IEEE 802.11ax (20 MHz, MCS26, 900p duty cycle)	WLAN	8.29	+0.6
16679	AAA	IEEE 802.11ax (20 MHz, MCS27, 900p duty cycle)	WLAN	8.29	+0.6
16680	AAA	IEEE 802.11ax (20 MHz, MCS28, 900p duty cycle)	WLAN	8.29	+0.6
16681	AAA	IEEE 802.11ax (20 MHz, MCS29, 900p duty cycle)	WLAN	8.29	+0.6
16682	AAA	IEEE 802.11ax (20 MHz, MCS30, 900p duty cycle)	WLAN	8.29	+0.6
16683	AAA	IEEE 802.11ax (20 MHz, MCS31, 900p duty cycle)	WLAN	8.29	+0.6
16684	AAA	IEEE 802.11ax (20 MHz, MCS32, 900p duty cycle)	WLAN	8.29	+0.6
16685	AAA	IEEE 802.11ax (20 MHz, MCS33, 900p duty cycle)	WLAN	8.29	+0.6
16686	AAA	IEEE 802.11ax (20 MHz, MCS34, 900p duty cycle)	WLAN	8.29	+0.6

ID	Rev	Communication System Name	Group	PIN (dB)	Unc \pm k = 2
10887	AMC	IEEE 802.11ax (20 MHz, MCS14, 90pc duty cycle)	WLAN	8.45	± 0.5
10889	AMC	IEEE 802.11ax (20 MHz, MCS16, 90pc duty cycle)	WLAN	8.39	± 0.5
10890	AMC	IEEE 802.11ax (20 MHz, MCS18, 90pc duty cycle)	WLAN	8.30	± 0.5
10891	AMC	IEEE 802.11ax (20 MHz, MCS21, 90pc duty cycle)	WLAN	8.29	± 0.5
10892	AMC	IEEE 802.11ax (20 MHz, MCS24, 90pc duty cycle)	WLAN	8.25	± 0.5
10893	AMC	IEEE 802.11ax (20 MHz, MCS26, 90pc duty cycle)	WLAN	8.29	± 0.5
10894	AMC	IEEE 802.11ax (20 MHz, MCS28, 90pc duty cycle)	WLAN	8.25	± 0.5
10895	AMC	IEEE 802.11ax (20 MHz, MCS31, 90pc duty cycle)	WLAN	8.17	± 0.5
10896	AMC	IEEE 802.11ax (40 MHz, MCS14, 90pc duty cycle)	WLAN	8.78	± 0.5
10897	AMC	IEEE 802.11ax (40 MHz, MCS16, 90pc duty cycle)	WLAN	8.71	± 0.5
10898	AMC	IEEE 802.11ax (40 MHz, MCS18, 90pc duty cycle)	WLAN	8.61	± 0.5
10899	AMC	IEEE 802.11ax (40 MHz, MCS21, 90pc duty cycle)	WLAN	8.59	± 0.5
10900	AMC	IEEE 802.11ax (40 MHz, MCS24, 90pc duty cycle)	WLAN	8.57	± 0.5
10901	AMC	IEEE 802.11ax (40 MHz, MCS26, 90pc duty cycle)	WLAN	8.57	± 0.5
10902	AMC	IEEE 802.11ax (40 MHz, MCS28, 90pc duty cycle)	WLAN	8.51	± 0.5
10903	AMC	IEEE 802.11ax (40 MHz, MCS31, 90pc duty cycle)	WLAN	8.49	± 0.5
10904	AMC	IEEE 802.11ax (48 MHz, MCS14, 90pc duty cycle)	WLAN	8.89	± 0.5
10905	AMC	IEEE 802.11ax (48 MHz, MCS16, 90pc duty cycle)	WLAN	8.87	± 0.5
10906	AMC	IEEE 802.11ax (48 MHz, MCS18, 90pc duty cycle)	WLAN	8.79	± 0.5
10907	AMC	IEEE 802.11ax (48 MHz, MCS21, 90pc duty cycle)	WLAN	8.70	± 0.5
10908	AMC	IEEE 802.11ax (48 MHz, MCS24, 90pc duty cycle)	WLAN	8.69	± 0.5
10909	AMC	IEEE 802.11ax (48 MHz, MCS26, 90pc duty cycle)	WLAN	8.67	± 0.5
10910	AMC	IEEE 802.11ax (48 MHz, MCS28, 90pc duty cycle)	WLAN	8.67	± 0.5
10911	AMC	IEEE 802.11ax (48 MHz, MCS31, 90pc duty cycle)	WLAN	8.65	± 0.5
10912	AMC	IEEE 802.11ax (40 MHz, MCS14, 90pc duty cycle)	WLAN	8.82	± 0.5
10913	AMC	IEEE 802.11ax (40 MHz, MCS16, 90pc duty cycle)	WLAN	8.78	± 0.5
10914	AMC	IEEE 802.11ax (40 MHz, MCS18, 90pc duty cycle)	WLAN	8.76	± 0.5
10915	AMC	IEEE 802.11ax (40 MHz, MCS21, 90pc duty cycle)	WLAN	8.74	± 0.5
10916	AMC	IEEE 802.11ax (40 MHz, MCS24, 90pc duty cycle)	WLAN	8.73	± 0.5
10917	AMC	IEEE 802.11ax (40 MHz, MCS26, 90pc duty cycle)	WLAN	8.71	± 0.5
10918	AMC	IEEE 802.11ax (40 MHz, MCS28, 90pc duty cycle)	WLAN	8.69	± 0.5
10919	AMC	IEEE 802.11ax (40 MHz, MCS31, 90pc duty cycle)	WLAN	8.67	± 0.5
10920	AMC	IEEE 802.11ax (60 MHz, MCS14, 90pc duty cycle)	WLAN	8.87	± 0.5
10921	AMC	IEEE 802.11ax (60 MHz, MCS16, 90pc duty cycle)	WLAN	8.76	± 0.5
10922	AMC	IEEE 802.11ax (60 MHz, MCS18, 90pc duty cycle)	WLAN	8.68	± 0.5
10923	AMC	IEEE 802.11ax (60 MHz, MCS21, 90pc duty cycle)	WLAN	8.79	± 0.5
10924	AMC	IEEE 802.11ax (60 MHz, MCS24, 90pc duty cycle)	WLAN	8.76	± 0.5
10925	AMC	IEEE 802.11ax (60 MHz, MCS26, 90pc duty cycle)	WLAN	8.74	± 0.5
10926	AMC	IEEE 802.11ax (60 MHz, MCS28, 90pc duty cycle)	WLAN	8.72	± 0.5
10927	AMC	IEEE 802.11ax (60 MHz, MCS31, 90pc duty cycle)	WLAN	8.66	± 0.5
10928	AMC	IEEE 802.11ax (60 MHz, MCS14, 90pc duty cycle)	WLAN	8.65	± 0.5
10929	AMC	IEEE 802.11ax (60 MHz, MCS16, 90pc duty cycle)	WLAN	8.54	± 0.5
10930	AMC	IEEE 802.11ax (60 MHz, MCS18, 90pc duty cycle)	WLAN	8.57	± 0.5
10931	AMC	IEEE 802.11ax (60 MHz, MCS21, 90pc duty cycle)	WLAN	8.42	± 0.5
10932	AMC	IEEE 802.11ax (60 MHz, MCS24, 90pc duty cycle)	WLAN	8.48	± 0.5
10933	AMC	IEEE 802.11ax (60 MHz, MCS26, 90pc duty cycle)	WLAN	8.40	± 0.5
10934	AMC	IEEE 802.11ax (60 MHz, MCS28, 90pc duty cycle)	WLAN	8.35	± 0.5
10935	AMC	IEEE 802.11ax (60 MHz, MCS31, 90pc duty cycle)	WLAN	8.33	± 0.5
10936	AMC	IEEE 802.11ax (60 MHz, MCS14, 90pc duty cycle)	WLAN	8.27	± 0.5
10937	AMC	IEEE 802.11ax (60 MHz, MCS16, 90pc duty cycle)	WLAN	8.16	± 0.5
10938	AMC	IEEE 802.11ax (60 MHz, MCS18, 90pc duty cycle)	WLAN	8.15	± 0.5
10939	AMC	IEEE 802.11ax (60 MHz, MCS21, 90pc duty cycle)	WLAN	8.09	± 0.5
10940	AMC	IEEE 802.11ax (60 MHz, MCS24, 90pc duty cycle)	WLAN	8.07	± 0.5
10941	AMC	IEEE 802.11ax (60 MHz, MCS26, 90pc duty cycle)	WLAN	8.07	± 0.5
10942	AMC	IEEE 802.11ax (60 MHz, MCS28, 90pc duty cycle)	WLAN	8.01	± 0.5
10943	AMC	IEEE 802.11ax (60 MHz, MCS31, 90pc duty cycle)	WLAN	8.01	± 0.5
10944	AMC	IEEE 802.11ax (60 MHz, MCS14, 90pc duty cycle)	WLAN	8.00	± 0.5
10945	AMC	IEEE 802.11ax (60 MHz, MCS16, 90pc duty cycle)	WLAN	8.19	± 0.5
10946	AMC	IEEE 802.11ax (60 MHz, MCS18, 90pc duty cycle)	WLAN	8.02	± 0.5
10947	AMC	IEEE 802.11ax (60 MHz, MCS21, 90pc duty cycle)	WLAN	8.04	± 0.5
10948	AMC	IEEE 802.11ax (60 MHz, MCS24, 90pc duty cycle)	WLAN	8.03	± 0.5
10949	AMC	IEEE 802.11ax (60 MHz, MCS26, 90pc duty cycle)	WLAN	8.04	± 0.5
10950	AMC	IEEE 802.11ax (60 MHz, MCS28, 90pc duty cycle)	WLAN	8.04	± 0.5
10951	AMC	IEEE 802.11ax (60 MHz, MCS31, 90pc duty cycle)	WLAN	8.02	± 0.5
10952	AMC	IEEE 802.11ax (60 MHz, MCS14, 90pc duty cycle)	WLAN	8.01	± 0.5

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January 21, 2025

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January 27, 2025

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January 21, 2025

Confidentiality: EX-37000 - Jan/05

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URID	Rate	Communication System Name	Symbol	PWR (dB)	Unc ^F & = 2
10963	AAB	5G-NR DL (CP-OFDM, TM 3.1, 45MHz, 64-QAM, 15kHz)	5G-NR-FR1-TDD	9.31	+0.6
10964	AAB	5G-NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 15kHz)	5G-NR-FR1-TDD	9.42	+0.6
10965	AAB	5G-NR DL (CP-OFDM, TM 3.1, 45MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	9.54	+0.6
10966	AAB	5G-NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	9.66	+0.6
10967	AAB	5G-NR DL (CP-OFDM, TM 3.1, 60MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	9.83	+0.6
10968	AAB	5G-NR DL (CP-OFDM, TM 3.1, 70MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	9.98	+0.6
10969	AAB	5G-NR DL (CP-OFDM, TM 3.1, 80MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	10.18	+0.6
10970	AAB	5G-NR DL (CP-OFDM, TM 3.1, 90MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	10.39	+0.6
10971	AAB	5G-NR DL (CP-OFDM, TM 3.1, 100MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	10.60	+0.6
11003	AAA	5G-NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 15kHz)	5G-NR-FR1-TDD	9.89	+0.6
11054	AAA	5G-NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	10.24	+0.6
11101	AAA	5G-NR DL (CP-OFDM, TM 3.1, 25MHz, 64-QAM, 25kHz)	5G-NR-FR1-TDD	10.73	+0.6
11102	AAA	5G-NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 15kHz)	5G-NR-FR1-TDD	8.76	+0.6
11103	AAA	5G-NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	8.59	+0.6
11107	AAA	5G-NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 15kHz)	5G-NR-FR1-TDD	8.46	+0.6
11108	AAA	5G-NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 15kHz)	5G-NR-FR1-TDD	8.31	+0.6
11109	AAA	5G-NR DL (CP-OFDM, TM 3.1, 25MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	8.76	+0.6
11110	AAA	5G-NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	8.05	+0.6
11101	AAA	5G-NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	8.90	+0.6
11102	AAA	5G-NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 30kHz)	5G-NR-FR1-TDD	8.88	+0.6
11103	AAA	IEEE 802.11ax (320MHz, MC25, 99pc duty cycle)	WLAN	8.47	+0.6
11104	AAA	IEEE 802.11ax (300MHz, MC22, 99pc duty cycle)	WLAN	8.45	+0.6
11105	AAA	IEEE 802.11ax (300MHz, MC25, 99pc duty cycle)	WLAN	8.44	+0.6
11106	AAA	IEEE 802.11ax (320MHz, MC24, 99pc duty cycle)	WLAN	8.44	+0.6
11107	AAA	IEEE 802.11ax (320MHz, MC25, 99pc duty cycle)	WLAN	8.41	+0.6
11108	AAA	IEEE 802.11ax (320MHz, MC26, 99pc duty cycle)	WLAN	8.40	+0.6
11109	AAA	IEEE 802.11ax (320MHz, MC27, 99pc duty cycle)	WLAN	8.29	+0.6
11108	AAA	IEEE 802.11ax (320MHz, MC28, 99pc duty cycle)	WLAN	8.27	+0.6
11101	AAA	IEEE 802.11ax (320MHz, MC29, 99pc duty cycle)	WLAN	8.46	+0.6
11102	AAA	IEEE 802.11ax (320MHz, MC30, 99pc duty cycle)	WLAN	8.36	+0.6
11103	AAA	IEEE 802.11ax (320MHz, MC31, 99pc duty cycle)	WLAN	8.33	+0.6
11104	AAA	IEEE 802.11ax (320MHz, MC32, 99pc duty cycle)	WLAN	8.32	+0.6
11105	AAA	IEEE 802.11ax (320MHz, MC33, 99pc duty cycle)	WLAN	8.37	+0.6
11106	AAA	IEEE 802.11ax (320MHz, MC34, 99pc duty cycle)	WLAN	8.39	+0.6

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

Calibration Laboratory of
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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

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

Certificate No. **EX-7680_Apr25****CALIBRATION CERTIFICATE**

Object: EX3DV4 - SN:7680

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

Calibration date: April 22, 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 $(22 \pm 3)^\circ\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Calibration Date (Certificate No.)	Sched. Cal.
Power Sensor R&S NRP-33T	SN: 100967	26-Mar-25 (No. 217-04290)	Mar-25
Type-N mismatch combination	SN: L1119	26-Mar-25 (No. 217-04282)	Mar-25
OCP DAK-12	SN: 1016	24-Sept-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sept-24 (No. CCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-25
DAE4	SN: 1301	07-Nov-24 (No. DAE4-1301_Nov24)	Nov-25

Secondary Standards	ID	Check Date (in house)	Sched. Check
ACAP 2020 Calibration Setup	SN: L1404	30-Sept-24 (No. Report_ACAP2020E-Clave_20240930s)	Sep-25

결	담당자	확인자
재	7/24	
직위명	PL 1004	PL 1004
명 칙	2024-07-24	2024-07-24

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

Issued: April 22, 2025

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

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 62209-1529, "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 1529: 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.
- DCPx,y,z:** DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR:** PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- 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).

EX3DV4 - SN:7680

April 22, 2025

Parameters of Probe: EX3DV4 - SN:7680**Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ($\mu\text{V}/(\text{V}/\text{m})^2$) ^A	0.66	0.65	0.56	$\pm 10.1\%$
DCP (mV) ^B	106.9	107.7	106.3	$\pm 4.7\%$

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 ^C k = 2
0	CW	X 0.00	0.00	1.00	0.00	128.7	$\pm 1.2\%$	$\pm 4.7\%$
		Y 0.00	0.00	1.00		149.5		
		Z 0.00	0.00	1.00		142.4		
10352	Pulse Waveform (200Hz, 10%)	X 1.67	61.43	6.95	10.00	60.0	$\pm 3.0\%$	$\pm 9.6\%$
		Y 1.61	61.13	6.74		60.0		
		Z 1.62	61.07	6.69		60.0		
10353	Pulse Waveform (200Hz, 20%)	X 0.83	60.00	5.25	6.99	80.0	$\pm 2.3\%$	$\pm 9.6\%$
		Y 0.84	60.00	5.19		80.0		
		Z 0.79	60.00	4.98		80.0		
10354	Pulse Waveform (200Hz, 40%)	X 22.00	76.00	9.00	3.98	95.0	$\pm 2.4\%$	$\pm 9.6\%$
		Y 0.46	60.00	4.22		95.0		
		Z 0.08	116.70	1.48		95.0		
10355	Pulse Waveform (200Hz, 60%)	X 12.10	153.23	5.77	2.22	120.0	$\pm 1.8\%$	$\pm 9.6\%$
		Y 0.28	60.00	3.68		120.0		
		Z 3.90	159.79	0.89		120.0		
10387	QPSK Waveform, 1 MHz	X 0.72	65.05	12.80	1.00	150.0	$\pm 4.1\%$	$\pm 9.6\%$
		Y 0.88	66.90	15.46		150.0		
		Z 0.52	61.11	10.37		150.0		
10388	QPSK Waveform, 10 MHz	X 1.46	65.94	14.11	0.00	150.0	$\pm 1.4\%$	$\pm 9.6\%$
		Y 1.62	66.02	15.49		150.0		
		Z 1.21	63.33	12.46		150.0		
10396	64-QAM Waveform, 100 kHz	X 1.82	65.59	16.52	3.01	150.0	$\pm 1.1\%$	$\pm 9.6\%$
		Y 1.87	66.13	16.93		150.0		
		Z 1.53	62.73	14.98		150.0		
10399	64-QAM Waveform, 40 MHz	X 2.94	66.37	15.10	0.00	150.0	$\pm 2.0\%$	$\pm 9.6\%$
		Y 3.00	66.98	15.60		150.0		
		Z 2.71	65.00	14.28		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X 4.00	65.99	15.31	0.00	150.0	$\pm 3.6\%$	$\pm 9.6\%$
		Y 4.01	66.29	15.58		150.0		
		Z 3.94	65.75	15.07		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.^C Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

EX3DV4 - SN:7680

April 22, 2025

Parameters of Probe: EX3DV4 - SN:7680**Sensor Model Parameters**

	C1 IF	C2 IF	α V ⁻¹	T1 ms V ⁻²	T2 ms V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
x	12.1	86.20	32.80	4.61	0.00	4.92	0.57	0.00	1.00
y	11.5	81.59	32.38	4.98	0.00	4.90	0.62	0.00	1.00
z	11.4	82.98	33.66	1.99	0.00	4.92	0.17	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	40.5°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

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April 22, 2025

Parameters of Probe: EX3DV4 - SN:7680**Calibration Parameter Determined in HSL**

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	8.99	9.98	9.92	0.36	1.27	±11.0%
835	41.5	0.90	8.77	9.73	9.68	0.36	1.27	±11.0%
900	41.5	0.97	8.54	9.48	9.42	0.36	1.27	±11.0%
1750	40.1	1.37	7.56	8.39	8.35	0.36	1.27	±11.0%
1900	40.0	1.40	7.30	8.10	8.06	0.36	1.27	±11.0%
2300	39.5	1.67	6.98	7.75	7.70	0.36	1.27	±11.0%
2450	39.2	1.80	6.86	7.61	7.57	0.36	1.27	±11.0%
2600	39.0	1.98	6.70	7.44	7.40	0.36	1.27	±11.0%
3300	38.2	2.71	6.36	7.06	7.02	0.35	1.27	±13.1%
3500	37.9	2.91	6.30	6.99	6.95	0.35	1.27	±13.1%
3700	37.7	3.12	6.17	6.85	6.81	0.35	1.27	±13.1%
3900	37.5	3.32	6.14	6.82	6.78	0.35	1.27	±13.1%
4100	37.2	3.53	6.02	6.68	6.64	0.35	1.27	±13.1%
5250	35.9	4.71	5.33	5.91	5.88	0.31	1.27	±13.1%
5600	35.5	5.07	4.89	5.42	5.39	0.28	1.27	±13.1%
5750	35.4	5.22	4.86	5.39	5.36	0.27	1.27	±13.1%
5800	35.3	5.27	4.87	5.40	5.37	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 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 lower 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 effects 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.

EX3DV4 - SN:7680

April 22, 2025

Parameters of Probe: EX3DV4 - SN:7680**Calibration Parameter Determined in HSL**

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	5.15	5.71	5.68	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.

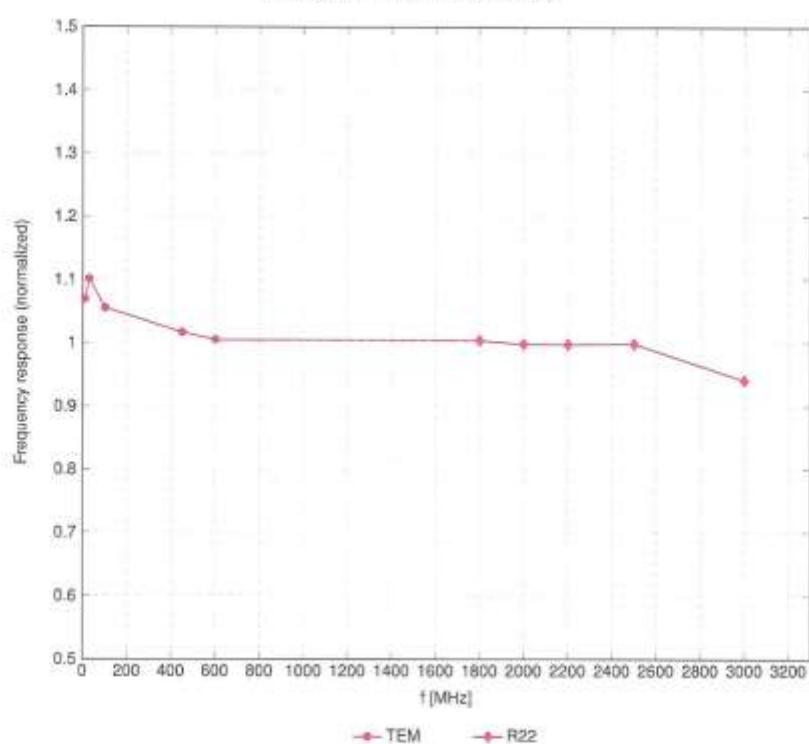
H. The stated uncertainty is the total calibration uncertainty (k = 2) of Norm·ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528-2020.

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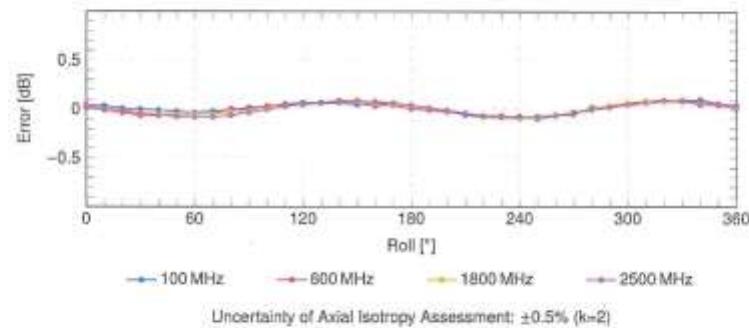
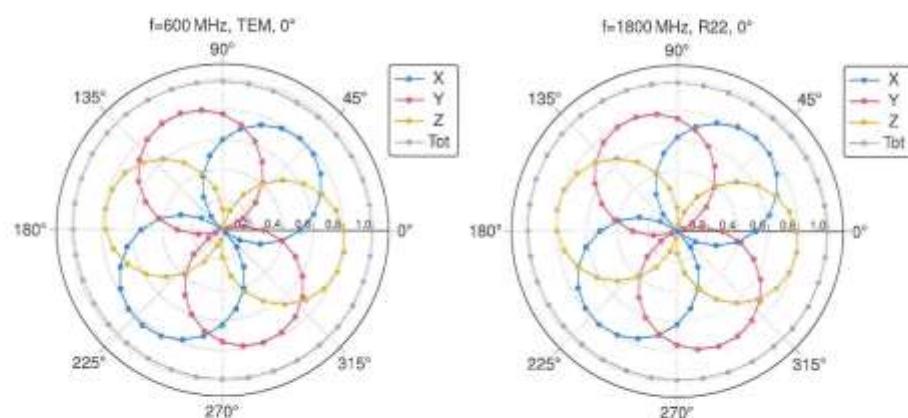
Frequency Response of E-Field

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

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

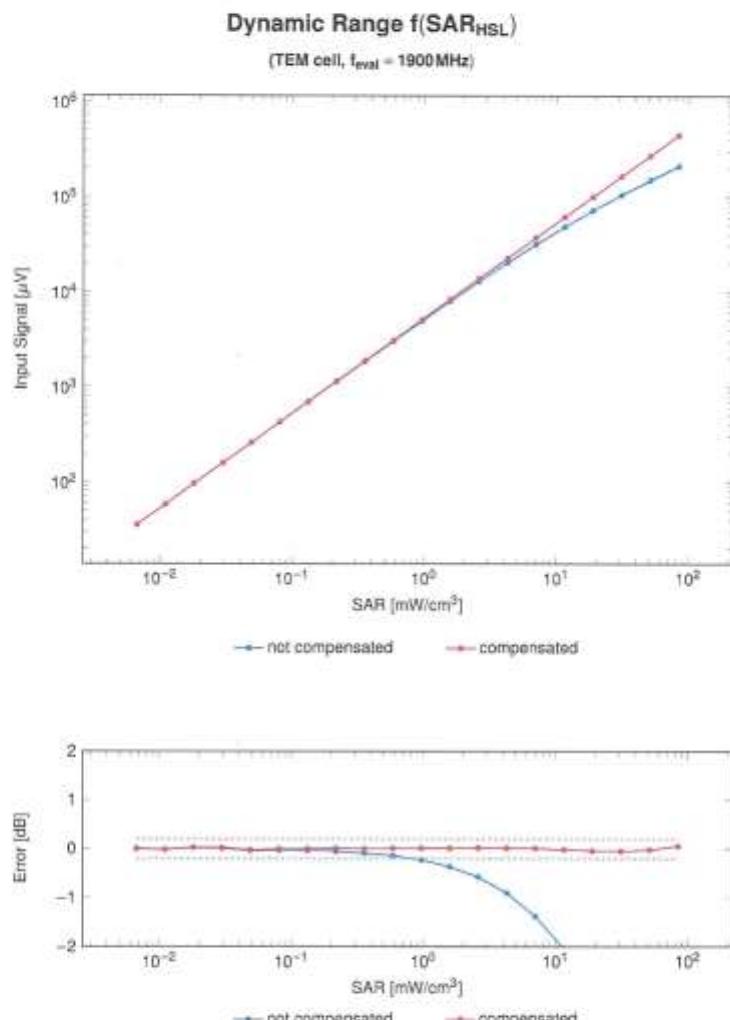
EX3DV4 - SN:7680

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

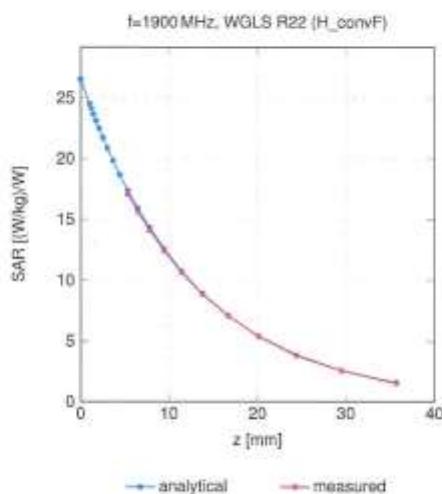
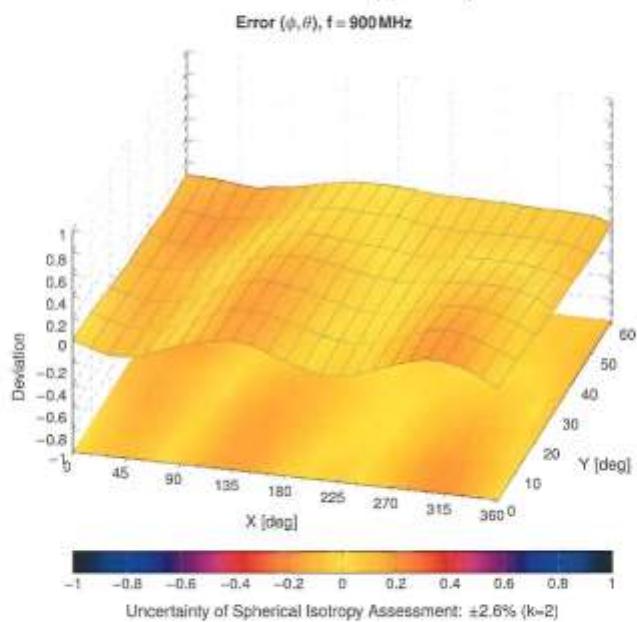
EX3DV4 - SN:7680

April 22, 2025

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

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Conversion Factor Assessment**Deviation from Isotropy in Liquid**

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0	CW	CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.8
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.8
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.8
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.8
10021	DMC	CDMA-FDD (TDMA, GMSK)	GSM	9.39	±9.8
10023	DMC	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	DMC	EDGE-FDD (TDMA, BPSK, TN 0)	GSM	12.62	±9.8
10026	DAC	EDGE-FDD (TDMA, BPSK, TN 0-1)	GSM	9.55	±9.8
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.8
10028	DMC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.8
10029	DAC	EDGE-FDD (TDMA, BPSK, TN 0-1-2)	GSM	7.78	±9.8
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±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 (P/4-DQPSK, DH1)	Bluetooth	7.74	±9.8
10034	CAA	IEEE 802.15.1 Bluetooth (P/4-DQPSK, DH3)	Bluetooth	4.53	±9.8
10035	CAA	IEEE 802.15.1 Bluetooth (P/4-DQPSK, DH5)	Bluetooth	3.83	±9.8
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.8
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.8
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.8
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.8
10041	CAB	IS-54 / IS-136 FDD (TDMA/FDM, P/4-DQPSK, Halfrate)	AMPS	7.78	±9.8
10044	CAA	IS-95A/IA-553 FDD (FCMA, FM)	AMPS	0.00	±9.8
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.8
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.8
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.8
10058	DAC	EDGE-FDD (TDMA, BPSK, TN 0-1-2-3)	GSM	8.52	±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	3.60	±9.8
10062	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.8
10063	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.53	±9.8
10064	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.8
10065	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.8
10066	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.8
10067	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.8
10068	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.8
10069	CAE	IEEE 802.11a 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	8.82	±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, 64 Mbps)	WLAN	11.00	±9.8
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.8
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, P/4-DQPSK, Fullrate)	AMPS	4.77	±9.8
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	5.56	±9.8
10097	CAC	UMTS-FDD (HSUPA)	WCDMA	3.98	±9.8
10098	CAC	UMTS-FDD (HSUPA, Subrate 2)	WCDMA	3.98	±9.8
10099	DAC	EDGE-FDD (TDMA, BPSK, TN 0-4)	GSM	9.55	±9.8
10101	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	8.42	±9.8
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	8.60	±9.8
10103	CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	8.29	±9.8
10104	CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.8
10105	CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.8
10108	CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	8.80	±9.8
10109	CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	8.43	±9.8
10110	CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.8
10111	CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.8

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	6.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 61 Mbps, 16-QAM)	WLAN	6.46	±9.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	6.15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	6.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 61 Mbps, 16-QAM)	WLAN	6.59	±9.6
10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	6.13	±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	6.85	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.78	±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
10148	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	CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±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
10163	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	CAG	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	AAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10190	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	6.09	±9.6
10194	CAE	IEEE 802.11n (HT Greenfield, 38 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	6.21	±9.6
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	6.10	±9.6
10197	CAE	IEEE 802.11n (HT Mixed, 38 Mbps, 16-QAM)	WLAN	6.13	±9.6
10198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	6.27	±9.6
10219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	6.93	±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	6.27	±9.6
10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	6.05	±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	6.05	±9.6