

Appendix G. – Probe Calibration Data

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Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





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Accreditation No.: SCS 0108

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Multilateral Agreement for the recognition of calibration certificates

Client HCT
Gyeonggi-do, Republic of Kores

Certificate No.

EX-7681_Nov23

CALIBRATION CERTIFICATE 7/2/7 5W 75=15 1.450 Object EX3DV4 - SN:7681 2023/113 2023.12.13 Calibration procedure(s) QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6, QA CAL-25.v8 Calibration procedure for dosimetric E-field probes Calibration date November 27, 2023 This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate. All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3) °C and humidity < 70%. Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID.	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249 Oct23)	Oct-24
OCP DAK-12	SN: 1016	05-Oct-23 (OCP-DAK12-1016 Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660 Mar23)	Mar-24
Reference Probe ES3DV2	SN: 3013	06-Jan-23 (No. ES3-3013 Jan23)	Jan-24

Secondary Standards	ID:	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: MY41498087	06-Apr-15 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (In house check Jun-22)	In house check: Jun-24
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

Calibrated by Jeton Kastrati Laboratory Technician Signature

Approved by Swan Kühn Technical Manager Signature

Issued: November 27, 2023

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

Certificate No: FX-7681 Nov29

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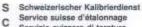
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Glossary

TSL tissue simulating liquid
NORMx,y,z sensitivity in free space
ConvF sensitivity in TSL / NORMx,y,z
DCP diode compression point

CF crest factor (1/duty_cycle) of the RF signal A, B, C, D modulation dependent linearization parameters

Polarization φ φ rotation around probe axis

Polarization θ θ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., θ = 0 is

normal to probe axis

Connector Angle Information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

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

Cartificate No. EV 7001 No.05

Description



Parameters of Probe: EX3DV4 - SN:7681

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (μV/(V/m) ²) ^A	0.68	0.66	0.69	±10.1%
DCP (mV) B	105.3	105.5	103.3	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	WR mV	Max dev.	Max Unc ¹ k = 2	
0	CW	X	0.00	0.00	1.00	0.00	125.0	±2.4%	±4,7%	
	113407	Y	0.00	0.00	1.00	Contract.	109.3			
	and the second s	Z	0.00	0.00	1.00		123.9			
10352	Pulse Waveform (200Hz, 10%)	X	1.66	61.16	6.61	10.00	60.0	±2.9%	±9.6%	
		Y	1.59	60.94	6.40		60.0			
		Z	1.68	61.33	6.71		60.0			
10353	Pulse Waveform (200Hz, 20%)	X	42.00	80.00	11.00	6.99	80.0	±2.5%	±9.6%	
	127.1 6 10	Y	22.00	74.00	9.00	10000	80.0	2000		
		Z	42.00	80.00	11.00		80.0			
10354	Pulse Waveform (200Hz, 40%)	X	0.33	151.44	0.78	3.98	95.0	±2.6%	±9.6%	
		Y	0.00	124.27	0.27	10000000	95.0			
		2	0.30	149.74	0.15		95.0			
10355	Pulse Waveform (200Hz, 60%)	X	8.74	159.33	25.26	2.22	120.0	±1.6%	±9.69	
	The Paragraph of the Control of the	Y	4.70	159.99	3.61	0.70 570	120.0			
	12 (43/24/34/1447 - 1 (F 1 - 1/14/34/34)	Z	8.68	159.46	25.68		120.0		100	
10387	QPSK Waveform, 1 MHz	X	0.64	63.96	12.25	1.00	150.0	±4.9%	±4.9% ±	±9.6%
	The state of the s	Y	0.66	63.24	11.65		150.0			
		Z	0.64	63.99	12.30		150.0			
10388	QPSK Waveform, 10 MHz	X	1.40	65.48	13.81	0.00	150.0	±1.3%	±9.69	
		Y	1.36	64.59	13.49		150.0			
		Z	1.40	65.56	13.84		150.0			
10396	64-QAM Waveform, 100 kHz	X	1.72	64.64	16.13	3.01	150.0	±1.0%	±9.6%	
		Y	1.69	64.49	16.04	III III Wales	150.0	Environe2	20000	
		2	1.68	64.24	15.84		150.0			
10399	64-QAM Waveform, 40 MHz	X	2.88	66.08	14.98	0.00	150.0	±2.3%	±9.6%	
	GROUPS AND MESTIFF AND MESTIFF	Y	2.97	66.30	15.08	10115	150.0		H-05/48	
		Z	2.89	66.12	15.02		150.0			
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.91	65.73	15.18	0.00	150.0	±4.2%	+9.6%	
		Y	4.08	65.86	15.30		150.0	Personal Section 1997		
		Z	3.91	65.76	15.22		150.0			

Note: For details on UID parameters see Appendix

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

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

8 Linearization parameter uncertainty for maximum specified field strength.

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



Parameters of Probe: EX3DV4 - SN:7681

Sensor Model Parameters

	C1 1F	C2 fF	α V-1	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V-2	T5 V-1	76
X	11.4	82.59	33.63	1.99	0.00	4.90	0.39	0.00	1.00
у	13.7	99.66	33.87	3.73	0.00	4.91	0.51	0.00	1.01
Z	11.1	81.57	34.20	1.61	0.00	4.90	0.35	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	81.9°
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:7681

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 (k = 2)
750	41.9	0.89	9.34	9.29	9.81	0.54	1.27	±12.0%
835	41.5	0.90	9.17	9.37	9.66	0.53	1.27	±12.0%
900	41.5	0.97	8.36	10.16	9.29	0.53	1.27	±12.0%
1750	40.1	1.37	8.29	8.71	8.90	0.32	1.27	±12.0%
1900	40.0	1.40	7.94	8.33	8.49	0.33	1.27	±12.0%
2450	39.2	1.80	7,46	7.89	8.02	0.32	1.27	±12.0%
2600	39.0	1.96	7.38	7.79	7.89	0.32	1.27	±12.0%
3300	38.2	2.71	6.78	7.12	7.25	0.37	1.27	±14,0%
3500	37.9	2.91	6.63	6.98	7.10	0.38	1.27	±14.0%
3700	37.7	3.12	6.59	6.94	7.05	0.38	1.27	±14.0%
3900	37.5	3.32	6.52	6.87	6.98	0.40	1.27	±14.0%
4100	37.2	3.53	6.38	6.72	6.81	0.39	1.27	±14.0%
4400	36.9	3.84	6.31	6.62	6.72	0.40	1.27	±14.0%
4600	36.7	4.04	6.29	6.61	6.69	0.39	1,27	±14.0%
4800	36,4	4.25	6.28	8.56	6.67	0.38	1.27	±14.0%
4950	36,3	4.40	6.00	6.26	6.38	0.44	1,36	±14.0%
5250	35.9	4.71	5.64	5.97	6.05	0.39	1.66	±14.0%
5600	35.5	5.07	4.79	4.98	5.09	0.48	1.67	±14.0%
5750	35.4	5.22	4.94	5.22	5.21	0.46	1.75	±14.0%
5800	35.3	5.27	4.89	5.16	5.19	0.44	1.78	±14.0%

C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RS5 of the Com/F 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 Com/F assessed at 33MHz is ±10 MHz. Bove 5 GHz frequency validity can be extended to ±110 MHz.

The probes are calibrated using tissue simulating figuries (TSL) first deviate for a and obly less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz.

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



Parameters of Probe: EX3DV4 - SN:7681

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 (k = 2)
6500	34.5	6.07	5.56	5.72	5.93	0.20	2.00	±18.6%

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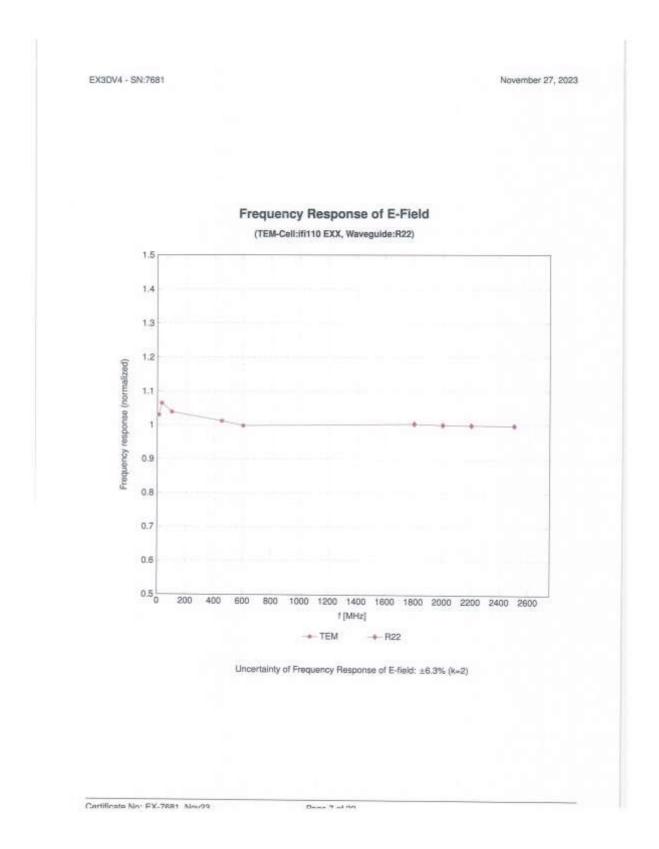
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C Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ComF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

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%.

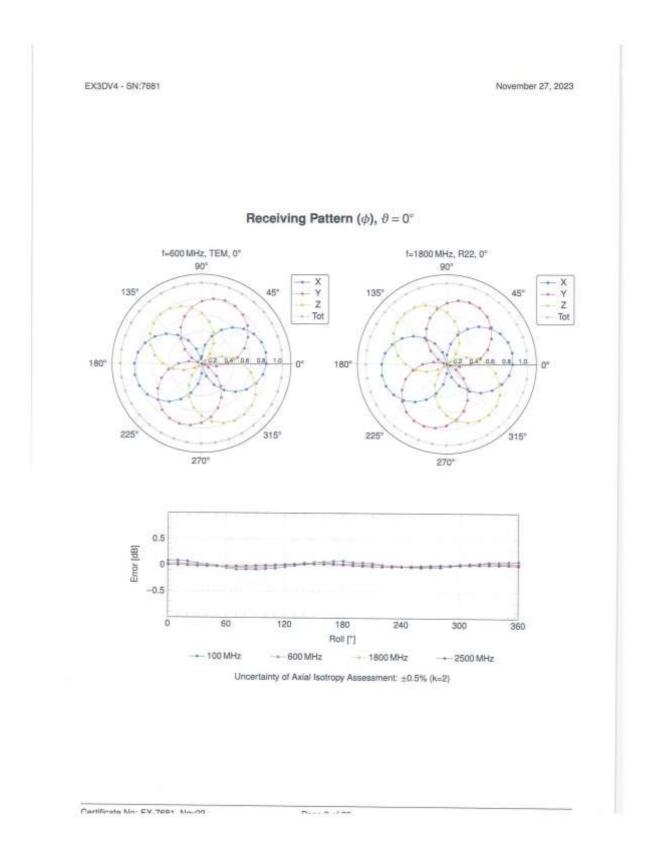
⁶ Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3-6 GHz; and below ±4% for frequencies between 6-10 GHz at any distance larger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





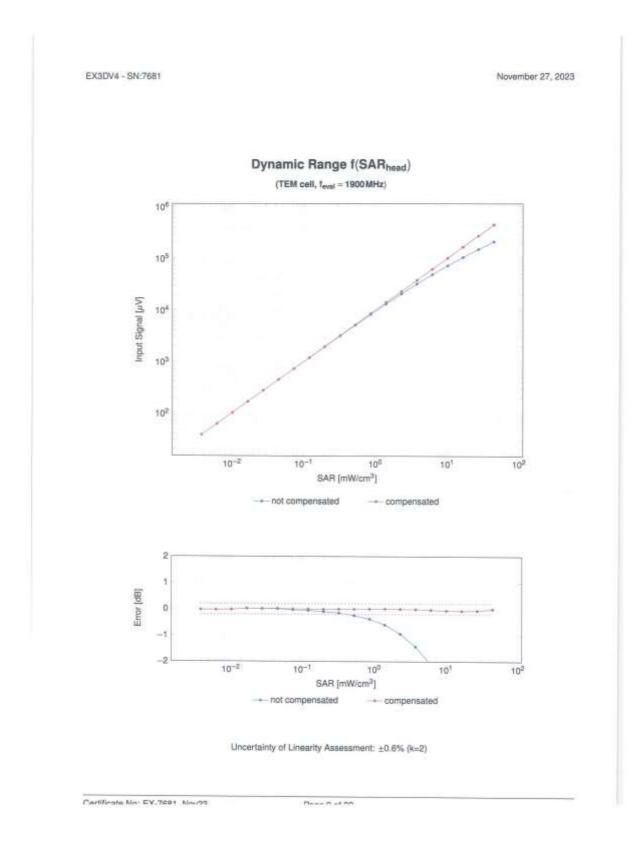
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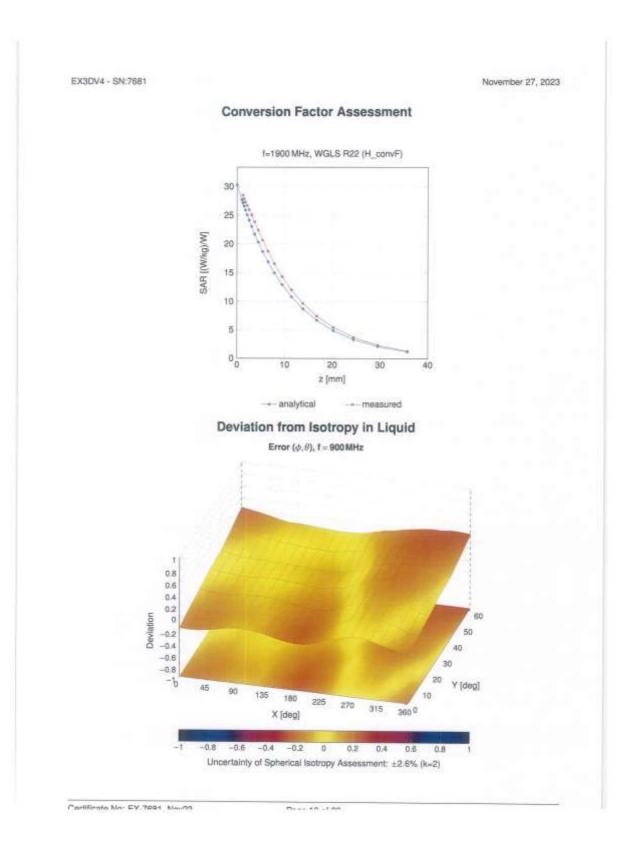
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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Uno $k=2$
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	19.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.0
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	19.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	19.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAG	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAG	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FOD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.56	+9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.7B	±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
10.032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PV4-DQPSK, DH1)	Bluetooth	7.74	±9.8
10034	CAA	IEEE 802.15.1 Bluetooth (PV4-DQPSK, DH3)	Bluetooth	4,53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PV4-DQPSK, DH5)	Bluelooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6 ±9.6
10038	CAA	IEEE 802 15.1 Bluetooth (8-DPSK, DHS)	Bluetooth	4.10	±9.6
0039	CAB	CDMA2000 (fxRTT, RC1)	CDMA2000	4.57	
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PV4-DDPSK, Helfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-563 FDD (FDMA, FMI)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Stot, 24)	DECT		±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Skrt, 12)	DECT	13.80	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1,28 Mcpe)	The state of the s	10.79	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	TD-SCDMA GSM	11.01	±9.6
0008	CAB	IEEE 802.11b WIF1 2.4 GHz (DSSS, 2 Mbps)	201201000	8.52	±9.6
0000	CAB	IEEE 802.11b WF1 2.4 GHz (USSS, 5.5 Mbps)	WLAN	2.12	±9.6
10061	CAB	IEEE 802.11b WFI 2.4 GHz (OSSS, 11 Mbps)	WLAN	2.83	±9.6
10062	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps)	WLAN	3.60	±9.6
0.063	CAD	IEEE 802.11a/h WFI 5 GPIz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
0064	CAD		WLAN	8.63	19.6
0.065	CAD	IEEE 802.11a/h WIFL5 GHz (OFDM, 12 Mbps) IEEE 802.11a/h WIFL5 GHz (OFDM, 18 Mbps)	WLAN	9.09	±9.6
0000	CAD	IEEE 802.11ah WIFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10057	CAD	The state of the s	WLAN	9.38	±9.6
0068	CAD	IEEE 882.11a/n WIFI 5 GHz (OFDM, 36 Mops)	WLAN	10.12	±9.6
0069	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10071	CAB	IEEE 802.11a/h WIFI S GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
0072	CAB	IEEE 802 11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps)	W.AN	9.83	±9.6
0072	CAB	IEEE 802 11g WIF 2.4 GHz (DSSS/OFDM, 12Mbps)	WLAN	9.62	±9.6
0074	CAB	EEE 802.11g WF, 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9,94	±9.6
0074	CAB	IEEE 802.11g WFI 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
0078	CAB	IEEE 802.11g WIFI 2.4 GHz (OSSS/OFOM, 36 Mbps)	WLAN	10.77	±9.6
0077	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
metable by the land		IEEE 802,11g WFI 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
0081	CAB	CDMA2000 (1xRTT, RC3)	COMA2000	3.97	±9,6
ALL DESCRIPTIONS	CAB	IS-54 / IS-136 FDD (TDMA/FDM, FI/4-DQPSK, Fulrate)	AMPS	4.77	±9.6
0090	DAC	OPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
0097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±8.6
0098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9,6
0099	DAG	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
0100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
0101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9,6
0102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
0103	CAH	LTE-TOD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TOD	9.29	±9.6
0.104	CAH	LTE-TOD (SC-FDMA, 100% RB, 20 MHz, 18-QAM)	LTE-TOD	9,97	±9.6
0105	CAH	LTE-TOD (SC-FOMA, 100% RB, 20 MHz, 64-QAM)	LTE-TOD	10.01	±9.6
0108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
0109	CAH	LTE-FOD (SC-FOMA, 100% RB, 10MHz, 16-QAM)	LTE-FOD	6.43	±9.6
0110	CAH	LTE-FOO (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FD0	5.75	±9.6
0111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-FOD	8.44	±9.6

Coefficients No. EV 7001 No. 20

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UIID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10112	CAH	LTE-FDG (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FD0	6.59	元8.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, SMHz, 64-QAM)	LTE-FDO	6.62	±9.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10118	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.5
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FD0	5.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FD0	6.53	19.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-FOD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FD0	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1,4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 15-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.0
10152	CAH	LTE-TOD (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-FOD	5.75	±9.6
10165	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	2,9.6
10156	CAH	LTE-FOD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-FOD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FOO	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	8.62	±9.8
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	19.8
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, 15MHz, 16-QAM)	LTE-FOD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 18 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz; QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.5
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	19.6
10170.	CAF	LTE-FDD (SC-FDMA, 1 R8, 28 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	±8.6
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-FOD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAH	LTE-FOD (SC-FOMA, 1 RB, 10MHz, 18-QAM)	LTE-FOD	6.52	±9.6
10177	CAL	LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FD0	5.73	±9.6
1017B	CAH	LTE-FOD (SC-FDMA, 1 RB, 5MHz, 18-QAM)	LTE-FDD	8.52	±9.6
0179	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, 5MHz, 64-QAM)	LTE-FDO	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	19.6
0183	AAE	LTE-FDD (SC-FDMA, 1 R8, 15MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
0185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
0186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FOD	5.50	±9.6
0187	CAG	LTE-FOD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
0188	CAG	LTE-FOO (SC-FOMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FOD	6.52	±9.6
0189	AAG	LTE-FOD (SC-FDMA, 1 RB, 1.4MHz, 84-QAM)	LTE-FDO	6.50	±9.6
0193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
0194	CAD	IEEE 802.11n (HT Greenfield, 38 Mbps, 16 QAM)	WLAN	8.12	±9.5
0195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 54-QAM)	WLAN	8.21	±9.6
0198	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
0197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
0198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±8.6
0219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mops, BPSK)	WLAN	8.03	±9.6
0330	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
-					-
0221	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	+9.6
-	CAD CAD CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 150 Mbps, 54-QAM)	WLAN WLAN	8.06 8.48	±9.6 ±9.8

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ain	Rev	Communication System Name	Group	PAR (dB)	Unc ⁶ k = 2
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAC	LTE-TOD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-TDD	9.22	±8.6
10229	CAE	LTE-TOD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TOD	9.48	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10231	CAE	LTE-TDD (BD-FDMA, 1 RB, 3MHz, QPSK)	LTE-TOD	9.19	±0.6
10232	CAH	LTE-TDO (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10233	GAH	LTE-TOD (SC-FOMA, 1 RB, 5MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10234	CAH	LTE-TOD (SC-FDMA, 1 RB, SMHz, QPSK)	LTE-TOD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	
10236	CAH	LTE-TOD (SC-FDMA, 1 RB. 10 MHz, 64-QAM)		1,500	±9.6
10237	CAH	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TOD	10.25	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB. 15MHz, 16-DAM)	LTE-TOD	9.21	±9.6
			LTE-TDO	9.48	±9.6
10239	CAG	LTE-TOO (SC-FOMA, 1 RB, 15 MHz, 54-QAM)	LTE-TOD	10.25	±9.8
10240	CAG		LTE-TD0	0.21	±9.6
10241	CAC	LTE-TOD (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-TOD	9,86	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAE	LTE-TOD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TOO	10.06	±9.6
10245	CAE	LTE-TOD (SC-FDMA, 50% RB, 3MHz, 84-QAM)	LTE-TD0	10.06	±9.6
10246	CAE	LTE-TDQ (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-TOO	9.30	±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)	LTE-TDO:	9.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-TOD	10.09	19.6
10.249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-TDD	9.29	+9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±8.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 64-QAM)	LTE-TOD	10.17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9:6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 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-TOD	9.20	19.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TOD	9.96	±9.6
10257	CAC	LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	
10258	CAC	LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TOD		±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 18-QAM)		9.34	±9.8
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 84-QAM)	LTE-TOD	9.98	±9.6
10261	CAE	LTE-TOD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-TOD	9.97	±9.6
10262	CAH	LYE-TOD (SC-FOMA, 100% RB, 5MHz, 16-QAM)	LTE-TOO	9.24	±9.6
10263	CAH	LTE-TOD (SC-FDMA, 100% RB, 5MHz, 84-QAM)	LTE-TOD	9.83	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-TOO	10.16	±9.6
10265	CAH		LTE-TOO	9.23	±9.6
	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	-	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TOO	10.07	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TOD	9.30	19.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16 QAM)	LTE-TDD	10.06	±9.6
10.269	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, QPBK)	LTE-TDD	9.58	±9,6
10274	CAC	UMTS-FDD (HSUPA, Subtest 6, 3GPP Rel8.10)	WCDMA	4.87	±9.6
10275	CAG	UMTS-FDD (HSUPA, Subtest 5, SGPP Rel8.4)	WCDMA	3.96	±9.6
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Rollott 0.5)	PHS	11,81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Rollott 0.38)	PHS	12.18	±9.6
10290	AAB	CDMA2000, RC1, SG55, 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, RCb, SO3, Full Rate	CDMA2000	3.50	19.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	19.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	19.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-FDD	5.72	19.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-FDD	6.39	
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD		±9.6
10301	AAA	IEEE 802.15e WMAX (29:18, 5 ms. 10 MHz, QPSK, PUSC)	The second secon	6.60	19.6
10302	AAA	IEEE 802.16e WIMAX (29:18, 5 ms; 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WMAX	12.03	±9.8
10303	AAA	IEEE 802,16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WMAX	12.57	±9.6
10304	AAA		WMAX	12.52	±9.6
1. SET MONETTY	Charles Inches	IEEE 802.15e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11,96	±9.6
10306					
10306	AAA	IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 16 symbols)	WIMAX	15.24	±9.6 ±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
10307	AAA	IEEE 802.15e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WMAX	14.49	±9.6
10308	AAA	IEEE 802.15e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WMAX	14.46	±9.6
10309	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WMAX	14.58	±9.6
10310	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.0
10313	AAA	IDEN 1/3	DEN	10.51	±9.6
10314	AAA	IDEN 1:8	IDEN	13.48	±9.6
10315	AAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WEAN	1.71	±9.6
10316	AAB	IEEE 802.11g WFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAE	IEEE 802.11a WIFI 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.35	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5,10	#9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10398	AAA	64-QAM Wayelorm, 100 kHz	Generio	6.27	±9.6
10399	AAA	64-QAM Waveform, 40-MHz	Generic	6.27	主9.6
10400	AAE	IEEE 802.11ac WiFl (20 MHz, 64 QAM, 99pc duty cycle)	WLAN	8.37	上9.6
10401	AAE	IEEE 802 11ac WIFI (40 MHz, 64-GAM, 90pc duty cycle)	WLAN	8.60	±9.6
10402	AAE	IEEE 802.11ac WIFI (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DD, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10408	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TOO	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, 98pc duty cycle)	WLAN	8.23	±9.6
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WIFI 2.4 GHz (DISSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8,14	±9.6
10419	AAA	IEEE 802 11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8,19	±9.6
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 72.2Mbps, 64-QAM)	WLAN	8.40	±9.6
10426	AAC	IEEE 802 11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8,41	±9.fi
10428	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-GAM)	WLAN	8.45	±9.6
10430	AAE	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FOD (OFDMA, 5 MHz, E-TM 3.1)	WLAN.	8.41	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDO	8.28	±9.6
10432	AAD	LTE-FDD (OFDMA, 16 MHz, E-TM 3.1)	LTE-FOO	8.38	19.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDO	8.34	±9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	LTE-FDO	8.34	±9,6
10435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	WCDMA	8.60	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7.82	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7,58	±9.6
10449	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	±9.6
10450	AAD	LTE-FDD (OFDMA, 20MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6
10451	AAB	W-CDMA (BS Test Model 1, 84 DPCH, Clipping 44%)	LTE-FDD	7.48	±9.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	WCDMA	7.59	19.8
10456	AAC	IEEE 902.11ac WiFI (180 MHz, 64-QAM, 99pc duty cycle)	Test	10.00	±9.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WLAN	8.63	±9.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WCDMA	6.62	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	5.55	±9.8
10480	AAB	LMTS-FDD (WCDMA, AMR)	CDMA2000	8.25	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subtame=2.3,4,7,8,9)	WCDMA	2.39	±9,6
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 15-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDO	7.82	±9.6
10463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOO	8,30	19.6
10484	AAD	LTE-TDD (SC-FDMA, 1 R8, 3 MHz, QPSK, UL Subfame=2,3,4,7,8,9)	LTE-TOD	8.56	±9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16 GAM, UL Subframe=2,3,4,7,8,9)	LTE-TOO	7.82	±9,6
10466	AAD	LTE-TDD (SC-FDMA, 1 AB, 3 MHz, 84-QAM, Ut. Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
10467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 18-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 84-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
10470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.56	±9.6
		LTE-TOD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82 8.32	±9.6
10471	AAG				±9.6

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10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FOMA, 1 RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8.9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM, UL Subframe=2,3.4,7,8,9)	LTE-TOD	8.32	±9.6
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subhame=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.fi
1047B 1047B	AAC	LTE-TOD (SC-FDMA, 1 RB, 20MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57 7.74	±9.6
104/8	AAC	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, GPGK, OL SUBMININE, 3.4.7.8.9)	LTE-TOD	8.18	±9.6
10481	AAG	LTE-TIDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe-2.3.4.7.8.9)	LTE-TDO	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDO	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-TOO	8.39	±9.5
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDO (SC-FDMA, 50% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	19.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.38	19.6
10.487	AAG	LTE-TD0 (SC-F0MA, 50% RB, 6MHz, 64 QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.8
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TOO	7.70	±9.6
0.489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-QAM, UL Subframe+2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
0.490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDO	8.54	±9.6
0.481	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK, UL Subframev2,3,4,7,8,9)	LTE-TDD	7.74	£9.6
0.492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 18-QAM, UL Subframe-2,3.4,7,8,9)	LTE-TDO	8,41	19.6
0493	AAF	LTE-TOD (SC-FDMA, 50% RB, 15MHz, 64-QAM, UL Subframe-2.3,4,7,8,9)	LTE-TDD	8.55	±9.5
0495	AAG	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TOD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.74	±9.6
0496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframes/2,3,4,7,8,9)	LTE-TOD	8.37 8.54	±9.6
0497	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
0.498	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
0.498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.68	19.6
0500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subframe»2.3.4.7.8.9)	LTE-TDD	7.67	19.6
0501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 18-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
0502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	19.6
0503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,8)	LTE-TOD	7.72	±9.6
0504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
0505	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
0506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0507	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
0508	AAF	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,55	±9.6
0510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subtrame=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	7,99	±9.6
0511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 84-QAM, UL Subtrame-2,3,4,7,8,9)	LTE-TDD	8.49	29.6
0512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOO	8.51 7.74	±9.6
0513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 16-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TDO	8.42	±9.6
0514	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
0515	AAA	IEEE 802.11b WIF: 2,4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
0516	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
0517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
0518	AAC -	IEEE 802:11a/h WIFI 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
0519	AAC	IEEE 802:11a/h WIFI 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
0520	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
0521	AAC	IEEE 802.11a/h WIFi 5 GHz (OFDM, 24 Mops, 99pc duty cycle)	WLAN	7,97	±9.6
0523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 35 Mbps, 98pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 98pc duty cycle)	WLAN	8.45	±9.6
0524	AAC	IEEE 802.11a/h WIFI 5 GHz (DFDM, 48 Nope, 98pc duty cycle)	WLAN.	8.08	±9.6
0525	AAC	IEEE 802.11ac WF (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.27	±9.6
0526	AAC	IEEE 802.11ac WIFI (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.36 8.42	±9.8
0527	AAC	IEEE 802.11ac WFI (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.42	±9.6
0528	AAC	IEEE 802.11ac WFI (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6 ±9.6
0529	AAC	IEEE 802.11ac WIFI (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.38	±9.6
0531	AAC	IEEE 802.11ac WIFI (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
0532	AAC	IEEE 802,11ac WiFI (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
3533	AAC	IEEE 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle)	WLAN:	8.38	±9.6
1534	AAC	IEEE 802,11ac WIFI (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
0535	AAC	IEEE 802.11ac WIFI (40 MHz, MCS1, 99pc duty cycle)	WLAN	8,45	±9.6
0538	AAC	IEEE 802.11ac WIFI (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
0537	AAC	IEEE 802.11ac WIFI (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
	AAC	IEEE 802.11ac WIFI (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
0540	AAC	IEEE 802.11ac WIFI (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

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10541	AAC	IEEE 802.11ac WIFI (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	39.6
10542	AAC	IEEE 802.11ac WIFI (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAC	IEEE 802,11ac WIFI (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAC	IEEE 802,11ac WIFI (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WIFI (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11ap WIFI (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	19.6
10551	AAC	IEEE 802.11ac WIFI (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WIFI (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10-553	AAC	IEEE 802.11ac WIFI (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAD	IEEE 802.11ac WIFI (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	19.6
10555	AAD	IEEE 802.11ac WIFI (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAD	IEEE 802.11ac WFi (160 MHz, MCS2, 99pc duty cycle)	WEAN	8.50	19.6
10557	AAD	IEEE 902.11ac WIFI (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAD	IEEE 802.11ac WIFI (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10580	AAD	IEEE 902.11ac W/FI (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	19.6
10561	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	19.6
10562	AAD	IEEE 802:11ac WIFI (160 MHz, MCS8, 98pc duty cycle)	100000000000000000000000000000000000000		
10563	AAD	IEEE 802.11ac WFF (160 MHz, MCS9, 99pc duty cycle)	WLAN WLAN	8.69	±9.6
10564	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	-	±9.6
10565	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 98pc duty cycle)	WLAN	8.25	±9.6
10866	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 98pc duty cycle)	WLAN	8.45 8.13	±9.6
10567	AAA	IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	10000	±9.6
10568	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)		8.00	±9.6
10568	AAA	IEEE 802.11g WIF: 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	8.30	±9.6
10572	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802 11b WIF 2 4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10574	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 mops, 90pc duty cycle)	WLAN	1,98	±9.6
10575	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10576	AAA	IEEE 802 11g WiFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10577	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN:	8.60	±9.6
10578	AAA	IEEE 802.11g WIF) 2.4 GHz (DSS5-OFDM, 12 Mbps, 90pc duty dydio)	WLAN	8.70	±9.6
10579	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 16Mbps, 90pc duty cycle)	WLAN	8.49	19.6
10580	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.36	19.6
10581	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10582	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10583	AAC	IEEE 802 11a/h WIF15 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10584	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.59	±9,6
10585	AAC		WLAN	8.60	±9.6
10586	AAC	IEEE 802.11a/h WFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11a/h WFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10587	AAC	IEEE 802.11a/h WiFI 5 GHz (OFDM, 24 Mbps, 80pc duty cycle)	WLAN:	8.49	±9.6
0588	AAC	IEEE 802 11a/h WFI 5 GHz (OFOM, 36 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAC	IEEE 802.11a/h WFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.76	#9.6
10590	AAC	IEEE 802.11a/h WFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHx, MCS0, 80pc duty cycle)	WLAN	8.67	±9.6
10592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.63	±9.6
10593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.79	±9.6
10594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.64	±9.6
0.595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10599	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCSS, 90pc duty cycle)	WLAN	8.74	±8.6
0.597	AAG	IEEE 802.11n (HT Mixed, 20 MHz, MCSS, 90pc duty cycle)	WLAN	8.71	±9.6
0598	AAC		WLAN	8.72	±9.6
10599	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
0600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
0601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
0602	AAC	IEEE 802:11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	#8.6
0604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.8
0605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCSS, 90pc duty cycle)	WLAN	8.76	±9.6
0606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS8, 90pc duty cycle)	WLAN	8.97	±9.6
0607	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
0608	Andrew Control	IEEE 802.11ac WIFI (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
WOULD.	AAC	IEEE 802.11ac WiFI (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	19.6

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10809	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAC	IEEE 802.11ap WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.76	±9.6
10611	AAC	IEEE 802.11ap WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.94	±9.0
10614	AAC	IEEE 802.11ac WIFI (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10515	AAG	IEEE 802.11ac WIFI (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAC.	IEEE 802.11ac WIFI (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10517	AAC	IEEE 802.11ac WIFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAC	IEEE 802.11ac WIFI (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAC	IEEE 802.11as WIFI (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	19.8
10620	AAC	IEEE 802.11ac WIFI (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAC	IEEE 802,11ac WIFI (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10622	AAC	IEEE 802.11ac WIFI (40 MHz, MC56, 90pc duty cycle)	WLAN	8.88	±9.6
10623	AAC	IEEE 802.11ac WIFI (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAC	IEEE 802.11ac WIFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	19.6
10625	AAC	IEEE 802.11ac WFI (40 MHz, MCS9, 90pc duty cycle)	W.AN	8.96	±9.6
10626	AAC	IEEE 802,11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAC	IEEE 802.11ac WiFI (80 MHz, MCS1, 90pc duty cycle)	WLAN.	8.88	±9.6
10628	AAC	IEEE 802.11ac WiFI (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.0
10629	AAC	IEEE 802.11ac WiFI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAC	IEEE 802.11ac WiFI (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAC	IEEE 802,11ac WIFI (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8,74	±9.6
10633	AAC	IEEE 802.11an WIFI (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10834	AAC	IEEE 802,11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10835	AAC	IEEE 802,11ac WIFI (85 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	£9.6
10636	AAD	IEEE 802,11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.5
10637	AAD	IEEE 802.11ac WIFI (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10638	AAD	IEEE 802.11ac WIFI (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
10/640	AAD	IEEE 802.11ac WIFI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	19.6
10641	AAD	IEEE 802.11ac WIFI (160 MHz, MCS4, 90pc duty cycle) IEEE 802.11ac WIFI (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.98	±9.6
10642	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
0643	AAD	IEEE 802.11ac WIFI (160 MHz, MCSF, 90pc duty cycle)	WLAN	9.06	±9.6
10644	AAD	IEEE 802.11ac WIFI (160 MHz, MCSR, Stope duty cycle)	WLAN	8.89	±8.6
10645	AAD	IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.06	±9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	WLAN	9.11	±9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20MHz, QPSK, UL Subframe=2,7)	LTE-TOD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	LTE-TDD	11.96	19.6
0662	AAF	LTE-TDD (OFDMA, 6MHz, E-TM 3.1, Clipping 44%)	CDMA2000	3.45	±9.6
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Olipping 44%)	LTE-TOO	5.91	±9.6
0654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7.42	±9.6
0655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	8.96	±9.6
0658	AAB	Pulse Waveform (200Hz, 10%)	Test	7.21	±9.6
0659	AAB	Pulse Waveform (200Hz, 20%)	Test	0.99	-
0660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
0881	BAA	Pulse Waveform (200Hz, 60%)	Test	2.22	- CONTRACTOR
0662	AAB	Pulse Waveform (200Hz, 80%)	Tout	0.97	±9.6 ±9.6
0670	AAA	Bluetooth Low Energy	Stuetooth	2.19	±9.6
0671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
0672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
0673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
0674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
0875	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
0676	AAC	IEEE 802.11ax (20 MHz, MGS8, 90pc duty cycle)	WLAN	8.77	±9.6
0677	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.73	±9.6
0678		IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
0678	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
0680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
0681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
0.682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	19.6
0683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	19.6
DOM: N	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
-			The second section is	2000	100,000
0686 0686	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.33	±9.8

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10888	AAG	IEEE 802.11ax (20 MHz, MCS5, 99pt duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN:	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WEAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pt duty cycle)	WLAN	8.29	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.97	±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, MC51, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MOS2, 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, MC54, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.88	±9.8
10702	AAC	IEEE 802 11ax (40 MHz, MOS7, 90pc duty cycle)	WLAN	8.70	±9.6
10708	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	AAG	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)	WEAN	8.55	19.6
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	19.6
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	19.6
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, MGS10, 99pc duty cycle)	WLAN	8.48	19.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	19.6
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	8.78	±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, MCSS, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS8, 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	±9.8
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	19.6
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	AAG	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MOSS, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAG	IEEE 902.11ax (80 MHz, MCS8, 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	AAG	IEEE 802 11ax (80 MHz, MCS8, 98pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	0.48	±9.6
10741	AAC	IEEE 802.11ax (88 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 (190 MHz. MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
10.745	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 (150 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	19.6
100000000000000000000000000000000000000	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	19.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	
10748	CAPTER		V41,750	6.30	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS7, 90nc duty owne)	(A) AN	0.70	
		IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.79 8.82	±9.0 ±9.0

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10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10754	N/C	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
0.755	AAC	IEEE 882.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
0756	AAG	IEEE 802,11ax (160 MHz; MCS1, 99pc duty cycle)	WLAN .	8.77	±9.6
0757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	19.6
0.758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.89	19.6
0759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.56	±9.6
0760	AAC	IEEE 802.11ax (160 MHz; MCSS, 99pc duty cycle)	WLAN	8.49	±9.6
0.761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
0762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
0763	AAC	IEEE 802,11ax (160 MHz, MCS8, 98pc duty cycle)	WLAN	8.53	±9.6
0.764	MAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
0785	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
0.766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
0767	AAE	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	SG NR FR1 TOD	7.99	±9.6
0.768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
0.769	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TOD	8.01	±9.6
0770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	SG NR FR1 TOD	8.02	19.6
0771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDO	8.02	±9.6
0772	AAD	SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	SG NR FR1 TOD	8.23	±9.8
0773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TOO	8.03	±9.6
0774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TOD	8.02	±9.6
0.775	AAD	5G NR (CP-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±9.6
0776	AAD	SG NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NA FA1 TOD	8.30	±9.6
0777	AAC	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.30	±9.6
0778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
0779	AAG	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
0780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
0781	CAA	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.8
0783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	9G NR FR1 TDD	8.31	±9.6
0784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
0785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
0786 0787	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	53 NR FR1 TDD	8.44	±9.6
0788	and the latest to be	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	#9.6
0789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
0791	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
0792	AAD	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR PR1 TDD	7.83	±9.6
0793	AAD	50 NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NA FR1 TDD	7,92	±9.6
0794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
0795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, CPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
0796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.5
797	AAD	5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.82	±9.6
798	AAD	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30MHz)	5G NR FR1 TOD	8,01	±9.6
0.799	AAD	SG NR (CP-OFDM, 1 RB, SOMHz, QPSK, 30kHz)	5G NR FR1 TDD	7.89	±9.6
0801	AAD	5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 30kHz)	50 NR FR1 T00	7.93	19.6
1802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)		7.89	±9.6
1803	AAD	5G NR (CP-OFBM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDO 5G NR FR1 TDO	7.87	19.6
1805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FRI TDD	7.93 8.34	19.6
1806	AAD	5G NR (CP-OFDM, 50% RB. 15 MHz, OPSK, 30 kHz)	5G NR FRI TDD	and a large and a second and a	±9.6
0809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.37 8.34	±9.6
0810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.34	
812	CAA	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.35	±9.6
817	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.35	±9.6
818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
619	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
820	CAA	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.30	±9.6
198	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8,41	±9.6
822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	
823	AAD	SG NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	8.36	±9.6
828	AAD	SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30kHz)	SG NR FR1 TDD	8.39	
0825	AAD	SG NR (CP-OFDM, 100% RB, 60MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.39 8.41	±9.6
3827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FRI TOD	8.42	±9.6
828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FRI TOD	8.43	
2420034	4.1	The second of the second secon	1-ad MARKET TOD	8.43	±9.6

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10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.40	±9.6
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 50 kHz)	5G NR FR1 TDD	7.63	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAD	SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 80 kHz)	5G NR FR1 TOD	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB; 25MHz, QPSK, 60NHz)	5G NR FR1 TDD	7,70	±9.6
0834	AAD	5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.75	±9.6
0835	AAD	5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.70	±9.6
0838	AAD	5G NR (CP-OFDM, 1 RB, S0MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.86	±9.6
0837	AAD	5G NR (CP-OFDM, 1 RB, 60MHz, OPSK, 60kHz)	5G NR FR1 TDD	7.68	±9.6
10839	AAD	5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 60kHz)	5G NR FR1 TOD	7.70	±9.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90MHz, QP9K, 60kHz)	SG NR FR1 TOD	7,67	#9.6
10841	AAD	SG NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	SG NR FR1 TOD	8,49	±9.5
10844	AAD	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 60kHz) 5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 60kHz)	5G NR FR1 TOD 5G NR FR1 TOD	8.34	±9.6
0846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAD	SG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6 ±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	8.35	19.6
0856	AAD	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 60KHz)	5G NR FR1 TOD	8.37	
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
0858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.8
0859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6 ±9.6
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6 ±9.6
10861	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 80 kHz)	5G NR FR1 TDD	8.40	±9.6
0863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8,41	19.6
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TOD	8.37	±9.6
0.885	AAD	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.41	19.6
10886	AAD	5G NR (DFTe-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	SG NR FR1 TOD	5.68	±9.6
0888	AAD	50 NR (DFTs-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	SG NR FR1 TOD	5.89	±9.6
10869	AAE	50 NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDO	5.75	19.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB. 100 MHz, QPSK, 120 KHz)	5G NR FR2 TDD	5.86	+9.6
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TOO	5.76	19.6
0872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	SG NR FR2 TOO	6.62	19.6
0873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TOO	6.61	±9.6
0874	AAE	50 NR (DFT-s-OFDM, 100% RB, 100 MHz, 54QAM, 120 kHz)	5G NR FR2 TDD	6.65	19.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	6G NR FR2 TDD	7.78	19.6
10878	AAE	5G NR (CP-OFDM, 100% RB. 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDO	8.39	±9.6
0877	AAE	5G NR (CP-OFDM, 1 HB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDO	7.96	±9.6
0878	AAE	50 NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
0.879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDO	8.12	±9.6
10880	AAE	50 NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-DFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-s-OFOM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDO	5.96	±9.0
0883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz. 16QAM, 120 kHz)	50 NR FR2 TDD	6.57	±9.6
0.884	ANE	5G NR (DFT-s-OFDM, 100% R8, 50 MHz, 16QAM, 120 kHz)	50 NR FR2 TDD	6,53	±9.6
0885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.61	±9.6
9880	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
0887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
0888	AAE	5G NR (CP-OFDM, 100% R8, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
0889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	6G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
0891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
0882	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 MHz)	5G NR FR2 TOD	8.41	±9.6
0897	AAC	SG NR (DFT-e-DFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.66	±9.6
0898	AAB	SG NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
0899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.67	±9.6
0900	AAB	SG NR (DFT-8-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	5.68	±9.6
0901	AAB	SG NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5,88	±9.6
0902	BAA	5G NR (DFT-s-OFDM, 1 AB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	5.68	±9.6
0903	BAA	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.68	±9.6
0904	BAA	50 NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0905	BAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	56 NR FR1 TDD	5,68	±9.8
0.906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 KHz)	5G NA FR1 TDD	5.68	±9.8
0907	BAA	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
	BAA	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NA FA1 TOD	5.93	±9.6
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
	PERSONAL PROPERTY.	5G NA (DFT-s-OFDM, 50% R8, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

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NID	Rev	Communication System Name	Group	PAR (dB)	Unce k = 2
10911	AAB	5G NR (DFT4-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT-e-OFDM, 50% R8, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.8
10914	AAB	5G NR (DFTs-OFDM, 50% R8, 50 MHz, QPSK, 30 kHz)	53 NR FR1 TDD	5.85	±9.6
10915	BAA	5G NR (DFTs-OFDM, 50%, RB, 60 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.83	±9.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80MHz, QPSK, 30kHz) 5G NR (DFT-s-OFDM, 50% RB, 100MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.87	#9.6
10918	AAC	SG NR (DFT-s-OFDM, 100% RB, 100MPG, GPSK, 30NHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.94	±9.6
10919	AAB	5G NR (DFT-8-OFDM, 100% RB, 10MHz, QPSK, 30kHz)	SG NR FRI TOD	5.86	±9.6
10920	AAB	5G NR (DFT+6-OFDM, 100% RB, 15MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	19.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	19.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 36 kHz)	5G NR FRI TOD	5.82	19.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.5
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	50 NR FR1 TOD	5.95	19.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FRI TOD	5.84	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAC	5G NR (DFT-e-OFDM; 1 RB, 5MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	£9.6
10929	AAG	5G NR (DFT-e-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	19.6
10930	AAC	50 NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FD0	5.52	19.6
10931	AAC	5G NR (DFT-e-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	50 NR (DFTs-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.51	±9.6
10933	AAC	SG NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	SG 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	SG NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FD0	5.51	19.6
10936	AAC	SG NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAC	5G NR (DFTs-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 FD0	5.90	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FD0	5.82	±9.6
10940	AAC	SG NR (DFTs-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FD0	5.89	±9.6
10941	AAC	5G NR (DFT-s-DFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.83	±9.6
10942	AAC	5G NR (DFT+-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.85	±9.6
10943	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,95	±9.6
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.81	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.65	19.6
10947	AAC	5G NR (DFT-s-OFOM, 100% RB, 20 MHz, QPSK, 15 kHz)	53 NR FR1 FDD 5G NR FR1 FDD	5.83 5.87	±9.6
10948	AAC	5G NR (DFT-a-OFOM, 100% RB, 25 MHz, QPSK, 15 kHz)	53 NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAD	5G NR (OFT-s-OFOM, 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, BMHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.25	±9.0
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	0.23	#9.6
10955	AAA	5G NR DL (CP-OFOM, 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 HHz)	5G NR FR1 FDD	8.31	19.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	19.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10980	AAC	SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TOD	9.32	±9.6
10961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TIDD	9.40	±9.6
0963	AAB	5G NR DL (CP OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	SG NR FR1 TDD	9.55	±9.6
0985	AAB	5G NR DL (CP.OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FRI TDD	9.29	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
0967	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 84-QAM, 30 KHz) 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz)	5G NR FR1 TDD	9.56	±9.6
0968	AAB	5G NR DL (CP-OFDM, 1M 3.1, 20 MHz, 64-QAM, 30 WHz)	5G NR FR1 T00	9.42	#9.6
0972	AAB	5G NR (CP-OFDM, 1 R8, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	9.49	±9.6
0973	AAB	BG NR (DFT-I-OFDM, 1 RB, 100 MHz, QPSK, 30 NHz)	5G NR FR1 TDD 5G NR FR1 TDD	11.59	±9.6
0974	AAH	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 KHz)	SG NR FR1 TDD	9.06	±9.6
0978	AAA	ULLA BDR	ULLA	10.28	±9.6
0979	AAA	ULLA HDR4	ULLA	1.15 8.58	±9.6
0980	AAA	ULLA HDR8	ULLA	10.32	±9.6
0981	AAA	ULLA HDRp4	ULLA	3.19	19.6
0982	AAA	ULLA HDRp8	ULLA	3.43	79.0

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Description of the con-

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc [®] k = 2
10983	AAA	53 NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 84-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9:0
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 84-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA.	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	50 NR FR1 TDD	9.53	±9.6
10988	AAA	53 NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	50 NR FR1 TDD	9.38	±9.6
10989.	AAA	53 NR DL (CP-CFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9,6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 90 kHz)	5G NR FR1 TDD	9.52	±9:8
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, 84-QAM, 30 kHz)	6G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	50 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	53 NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAA	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAA	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.5
11016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAA	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAA	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAA	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAA	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAA	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAA	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAA	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAA	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	19.6
11026	AAA	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

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

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Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kalibrierdienst C Service suisse d'étalonnage

Servizio svizzero di taratura S Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client

HCT

Gyeonggi-do, Republic of Kores

Certificate No.

EX-7702 Jan24

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7702

Sw 7/216

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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

January 22, 2024

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	iD	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249 Oct23)	Oct-24
OCP DAK-12	SN; 1016	05-Oct-23 (OCP-DAK12-1016_Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660_Mar23)	Mar-24
Reference Probe EX3DV4	SN: 7349	03-Nov-23 (Na. EX3-7349 Nov23)	Nov-24

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

Name Function Signature
Calibrated by Joanna Lieshaji Laboratory Technician Application
Approved by Sven Kühn Technical Manager Sasued: January 23, 2024

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

Certificate No: EX-7702_Jan24

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Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughnusstrasse 43, 8004 Zurich, Switzerland

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C Service suisse d'étalonnage Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 0108

Glossary

TSL tissue simulating liquid
NORMx,y,z sensitivity in free space
ConvF sensitivity in TSL / NORMx,y,z
DCP diode compression point

CF crest factor (1/duty_cycle) of the RF signal A, B, C, D modulation dependent linearization parameters

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

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:

- a) IEC/IEEE 82209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices – Part 1528; Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz."

Methods Applied and Interpretation of Parameters:

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

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Parameters of Probe: EX3DV4 - SN:7702

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (µV/(V/m) ²) ^A	0.67	0.64	0.67	±10.1%
DCP (mV) B	104.1	107.2	106.2	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	118.8	±1.2%	±4.7%
	1-900	Y	0.00	0.00	1.00	0.000	135.5	Contraction.	CONTRACT
or vo-ans	COLUMN TO CONTRACTOR OF THE SECOND SE	2	0.00	0.00	1.00	L	118.8		
10352	Pulse Waveform (200Hz, 10%)	X	1.67	61.29	6.68	10.00	60.0 ±2.8%	±2.8%	±9.6%
		Y	1.64	61.10	6.68		60.0		
		2	1.65	61,20	6.61		60.0	1	
10353	Pulse Waveform (200Hz, 20%)	X	0.79	60.00	4.87	6.99	80.0	±2.4%	±9.6%
		Y	0.81	60.00	4.99	25000000	80.0		_0,000
		Z	0.82	60.00	4.91		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	0.00	122.83	0.60	3.98	98 95.0	±2.7%	±9.6%
	A Transfer I have been a Point of the SPATIAN and the SPA	Y	0.51	159.33	13.45	9003000	95.0		
		Z	0.06	126.52	0.13		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	9.91	153.38	2.02	2.22	120.0		±9.6%
		Y	10.06	159.29	15.96		120.0		
		2	9.36	157.95	27.07		120.0		
10387	QPSK Waveform, 1 MHz	X	0.78	64.77	12.79	1.00	150.0	±4.0%	±9.6%
		Y	0.62	64.54	12.89		150.0		
		Z	0.65	63.61	12.15		150.0		
10388	QPSK Waveform, 10 MHz	X	1.47	65.40	14.08	0.00	150.0	±1.3%	±9.6%
		Y	1,41	66.24	14.19	0000000	150.0		
	2.089432-2007-2-11	Z	1.38	65.11	13.76		150.0		
10396	64-QAM Waveform, 100 kHz	X	1.59	63.22	15.44	3.01	150.0	±1.2%	±9.6%
	A Principle of the Control of the Co	Y	1.72	64.74	16.00		150.0		2010.10
		2	1.62	63.77	15.60		150.0		
10399	64-QAM Waveform, 40 MHz	X	2.93	65.92	14.99	0.00	150.0	±1.7%	±9.6%
	A	Y	2.88	66.43	15.16		150.0		IIR USOK
		Z	2.85	65.82	14.86		150.0	+	
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.20	66.18	15.53	0.00	150.0	±3.4%	±9.6%
		Y	3.86	66.00	15.28	1000000	150.0		mm. 40,74
		Z	4.07	66.18	15.43		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%.

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

If Linearization parameter uncertainty for maximum specified field strength.

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



Parameters of Probe: EX3DV4 - SN:7702

Sensor Model Parameters

	C1 fF	C2 fF	ν ^π	T1 msV ⁻²	ms V ⁻¹	T3 ms	T4 V-2	T5 V ⁻¹	T6
×	14.1	102.90	33.96	2.27	0.00	4.90	0.00	0.04	1.00
у.	10.2	73.08	32.64	2.58	0.00	4.90	0.45	0.00	1.00
Z	12.3	88.54	33.23	3.60	0.00	4.90	0.33	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-43.6°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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



Parameters of Probe: EX3DV4 - SN:7702

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 (k = 2)
750	41.9	0.89	9.65	10.07	8.84	0.42	1.27	±12.0%
835	41.5	0.90	9.78	10.51	9.13	0.41	1.27	±12.0%
900	41.5	0.97	8.96	9.74	8.66	0.41	1.27	±12.0%
1640	40.2	1.31	7.99	8.29	7,49	0.45	1.27	±12.0%
1750	40,1	1.37	8.49	8.77	7.91	0.26	1.27	±12.0%
1900	40.0	1.40	8.13	8.45	7.61	0.28	1.27	±12.0%
2300	39.5	1.67	7.57	7.87	7.12	0.31	1.27	±12.0%
2450	39.2	1.80	7.85	8.15	7.38	0.30	1.27	±12.0%
2600	39.0	1.96	7.48	7,77	7.04	0.29	1.27	±12.0%
3300	38.2	2.71	6.93	7.15	6.52	0.35	1.27	±14.0%
3500	37.9	2.91	7.04	7.25	6.60	0.35	1.27	±14.0%
3700	37.7	3,12	6.98	7.19	6.58	0.35	1.27	±14.0%
3900	37.5	3.32	6.77	6.96	6.39	0.37	1.27	±14.0%
4100	37.2	3.53	6.61	6.80	6.23	0.37	1.27	±14.0%
5250	35.9	4.71	5.60	5.74	5.28	0.35	1.62	±14.0%
5600	35.5	5.07	4.77	4.87	4.44	0.39	1,67	±14.0%
5750	35.4	5.22	4.90	4.99	4.57	0.39	1.75	±14.0%
5800	35.3	5.27	4.75	4.84	4.44	0.40	1.78	±14.0%

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

The probes are calibrated using tissue simulating liquidy (TSL) that deviations for c and of by less than ±5% from the target values (typically better than ±3%), and are valid for TSL, with deviations of up to ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 3 -6 GHz.

Q Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less. man ±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



Parameters of Probe: EX3DV4 - SN:7702

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 (k = 2)
6500	34.5	6.07	5.55	5.40	5.10	0.20	2.00	±18.6%
7000	33.9	6.65	5.61	5.47	5.11	0.20	2.00	±18.6%
8000	32.7	7.84	5.73	5.50	5.21	0.44	1.41	±18.6%
9000	31.6	9.08	5.93	5.43	5.28	0.45	1.60	±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 equids (TSL) that deviate for r and \(\sigma\) by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.

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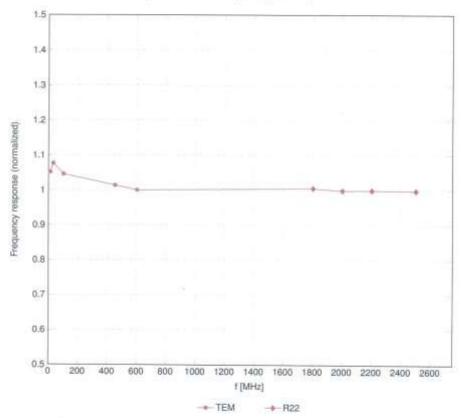
G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3–6 GHz; and below ±4% for frequencies between 6–10 GHz at any distance larger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



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Frequency Response of E-Field

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



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

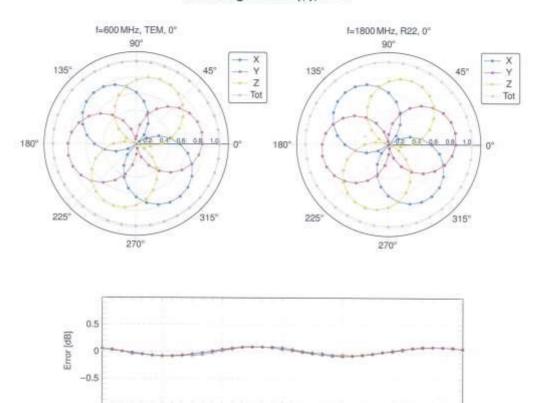
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Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$



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

180

Roll ["]

240

- 1800 MHz

300

-+ 2500 MHz

360

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60

-- 100 MHz

120

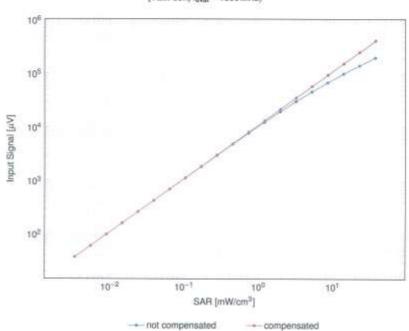
-- 600 MHz

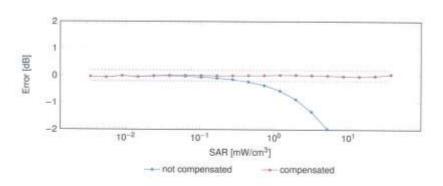
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Dynamic Range f(SAR_{head})

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





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

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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc $E k = 2$
0		CW	CW	0.00	±4.7
10.010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	19.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	19.6
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-FOD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FOD (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	DAG	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 (PW-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PV4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802 15.1 Bluetpoth (PV4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802 15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-81/EIA/TIA-553 FDO (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10/049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10058	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10:058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10058	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	
10061	CAB	IEEE 802 116 WIFI 2 4 GHz (DSSS, 11 Mbps)	WLAN		±9.6
10062	CAE	IEEE 802.11ah WIFI 5 GHz (OFDM, 6 Mbps)	WLAN	3.60 B.68	±9.6
10063	CAE	IEEE 802,11ah WIFI 5 GHz (OFDM, 9 Mbps)	WLAN		±9.6
10064	CAE	IEEE 802.11ah WIFI 5 GHz (OFDM, 12 Mbos)	WLAN	8.63	±9.6
10085	CAE	IEEE 802.11a/h WIF1 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10066	CAE	IEEE 802.11a/h WFI 5 GHz (OFDM, 14 Mbps)	190000000000000000000000000000000000000	9.00	±9.6
10067	CAE	IEEE 802.11a/n WIFI 5 GHz (OFDM, 36 Mbps)	WLAN	9.38	±9.6
10068	CAE	IEEE 802.11a/n WIFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.12	±9.6
10069	CAE	IEEE 802.11a/n WFI 5 GHz (OFDM, 54 Mbps)	WLAN	10.24	±9.6
10071	CAB	The second secon	WLAN	10.56	±9.6
10072	CAB	IEEE 802.11g WIFi 2.4 GHz (DSSS/OFDM, 9 Mbps) IEEE 802.11g WIFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.83	±9.6
10073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10074	CAB		WLAN	9.94	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10076	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, 46 Mbps)	WLAN	10.94	±9.6
10027	CAB	IEEE 802.11g WiFI 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
1000	And the second	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TOMA/FDM, PI/4-DOPSK, Fulirate)	AMPS	4.77	19.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN G-4)	GSM	6.56	±9,6
10097	CAC	UMTS-FDD (HSDFA)	WCDMA -	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10:099	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-TOO	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TOO	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TOD	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-FOD (SC-FDMA, 100% RB, 5MHz, 18-QAM)	LTE-FDD	6.44	±9.6

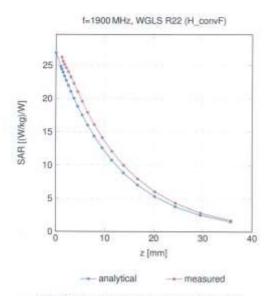
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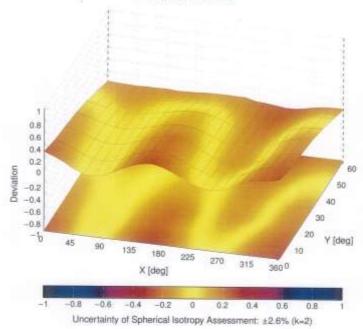
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Conversion Factor Assessment



Deviation from Isotropy in Liquid





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UID	Rev	Communication System Name	Group	PAR (dB)	UncE k = 2
10112		LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 61 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	IEEE 802 11n (HT Mixed, 138 Mops, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.40	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	6.53	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.35	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	The state of the s	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM)	LTE-FDD	5.76	#9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.41	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.72	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	The second second	±9.6
10151	CAH	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TOD	9.28	=9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TOD	Consideration of the Constitution of the Const	#9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 84-QAM)	LTE-TOD	10.05	±9.6 ±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	19.6
10 158	CAH	LTE-FDD (SC-FDMA, 50% RB. 10 MHz, 64-QAM)	LTE-FDO	6.62	19.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDO	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FOD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB. 15 MHz, 16-QAM)	LTE-FDD	6.43	19.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FOD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TOO	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TOO	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-FDO	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9,6
10177	CAL	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDO	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 18-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDO	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDO (SC-FDMA, 1 R8, 15MHz, 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, 3MHz, 16-QAM)	LTE-FDD	6.51	±9.8
10188	AAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10188	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5Mbps, BPSK)	WLAN	8.09	±9.6
10194	CAE		WLAN	8.12	±9.6
10195	CAE	IEEE 802.11n (HT Greenfield, 85 Mbps, 64-QAM)	WLAN	8.21	±9.6
10190	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	CAE	IEEE 802,11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8,13	±9.6
10198	CAE	EEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WŁAN	8.27	±9.6
10219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 15-QAM)	WLAN	8.13	±9.6
10221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.27	±9.6
10223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.06	±9.6
10224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8,48	±9.6
110000	10776	TEEL BOOT THE PLAN MINNEY, TOU MODE, ON-CAME)	WLAN	8.08	±9.6

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10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAC	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	大9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAE	LTE-TOD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-TDD	9,48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TOD (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	±9.5
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAH	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9,21	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 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-TOD (SC-FOMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TOD (SC-FOMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAC	LTE-TOD (SC-FOMA, 50% RB, 1.4MHz, QPSK)	LTE-TOD	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
0246	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-TOD	10.09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MH≥, 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
0252	CAH	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TOD	9.24	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10:254	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-TOD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM)	LTE-TOD	10.08	±9.6
10258	CAG	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-TOD	9.95	±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-TOD	9.24	±9.6
10262	CAH	LTE-TOD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 84-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TOD	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-TOD	9.30	±9.6
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10388	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-TOD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9,6
0275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
0277	CAA	PHS (QPSK)	PHS	11.81	±9.6
0278	CAA	PHS (QPSK, BW 884 MHz, Rolloff (),5)	PHS	11.81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	19.6
10290	AAB	COMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
0292	AAB	CDMA2000, RC3, SC32, Full Rate	CDMA2000	3.39	±9.6
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
0295	AAB	CDMA2000, RC1, SC3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
0297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
0298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-FOD	5.72	±9,6
0299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-GAM)	LTE-FDD	6.39	±9.6
0300	AAE	LTE-FDO (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD:	6.60	±9.6
10201	AAA	IEEE 802 16e WMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WiMAX	12.03	±9.6
0302	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	±9.6
0303	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	±8.6
0304	AAA	IEEE 802 16e WMAX (29:18, 5 ms, 10 MHz, 54QAM, PUSC)	WIMAX	11,86	±9.6
0305	AAA	IEEE 802, 16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	±9.6
	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	±9.0
10308	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WMAX	14.46	±9.6
10309	AAA	IEEE 802,16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WMAX	14.58	±9.8
10310	AAA	IEEE 802.16e WIMAX (29:18, 10 mis, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAA	IDEN 1:3	IDEN	10.51	±9.6
10314	AAA	IDEN 1:8	IDEN	13,48	±9.6
10315	AAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1,71	±9.6
10316	AAB	IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAE	IEEE 802.11a WIFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Wavelorm (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%) Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10387	AAA	OPSK Wayelorm, 1 MHz	Generic	0.97	±9.6
10388	AAA.	OPSK Waveform, 10 MHz	Generic	5.10	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	5.22	±9.6
10399	AAA	64-QAM Wavelorm, 40 MHz	Generic	6.27	±9.6
10400	AAF	IEEE 802.11ac WIFI (20 MHz, 64-QAM, 99pc duly cycle)	Generic	6.27	±9.6
10401	AAF	IEEE 802 t1ac WFI (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10403	AAB	COMA2000 (1xEV-DO, Rev. 0)	WLAN	8.53	±9.6
10404	AAB	CDMA2000 (1xEV-DD, Rev. 0)	CDMA2000	3.76	±9.6
10406	AAB	CDMA2000, RC3, SC32, SCH0, Full Rate	CDMA2000	3.77	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Cont=4)	CDMA2000	5.22	19.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	LTE-TOD	7.82	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	Generic	8.54	±9.6
10416	AAA	IEEE 802 11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 98pc duty cycle)	WLAN	1.54	±9.6
10417	AAD	IEEE 802.11a/h WiFi 5 GHz (OFOM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.23	±9.6
10419	AAA	IEEE 802 11g WiFi 2.4 GHz (OSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preembule)	WLAN	8.14	±9.6
10422	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.19	±9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 18-QAM)	WLAN	8.32	±9.6
10424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	B.47	±9,6
10425	AAD	IEEE 802.11n (HT Greenfield, 18 Mbps, BPSK)	WLAN	8.40	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 18-QAM)	WLAN	8.41 8.45	±9.6
10427	CAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	-
10430	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1)	LTE-FDO	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDO	8.38	19.6
10.432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	19.6
10433	AAD	LTE-FDD (OFDMA, 20MHz, E-TM 3.1)	LTE-FDO	8.34	±9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAG	LTE-TOD (SC-FDMA, 1 RB, 20MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 10MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9:6
10-450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDb	7.48	±9.6
10451	BAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
0456	AAD	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	19.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	19.6
0458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	8.55	±9.6
0459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
0460	AAB	UMTS-FDD (WCDMA, AMR)	WODMA	2.39	±9.6
0461	AAC	LTE-TDD (SC-FDMA, 1 R8, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0.462	AAC	LTE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7.8.9)	LTE-TOD	8.30	±9.6
0.463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.56	±9.6
0464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0.465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.8
0.466	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
0.467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDO	7.82	±9.6
0.468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 18-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
0.469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDO	8.56	±9.6
0470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6.
	DAA	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 k =
0.472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
0473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8.9)	LTE-TOD	8.32	±9.6
0475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,6,9)	LTE-TOD	B.57	±9.6
0477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.8
0478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe<2,3,4,7,8,9)	LTE-TD0	8.57	±9.6
0479	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
0480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3.4,7.8,9)	LTE-TDD	H.18	±9.6
0481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subkame=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
0482	AAD	LTE-TOD (SC-FDMA, 50% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
0483	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
0484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TD0	8.47	±9.6
0485	AAG	LTE-TOD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	7.59	±9.6
0486	AAG	LTE-TDD (SC-FDMA, 50% R8, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.5
0487	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
0488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
0489	AAG	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8.9)	LTE-TDD	8.31	±9.6
0490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.54	±9.6
0491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0492	AAF	LTE-TDD (SC-FDMA, 50% R8, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,41	±9.6
0493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe+2.3,4,7,8,9)	LTE-TOO	8.55	+9.6
0494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0495	AACI	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7.8,9)	LTE-TDD	8.37	±9.6
0496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.54	19.6
0497	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
0498	AAC	LTE-TDD (SC-FDMA, 100% R8, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8.9)	LTE-TDD	8.40	±9.6
0499	AAC.	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	5.66	±9.6
0500	AAD	LTE-TDD (SG-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
0501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±B.6
0502	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
0503	AAG	LTE-TOD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.72	±9.6
0504	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
0.505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.54	±9.6
0506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0507	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
0.508	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
0509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.99	±9.6
0510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
0511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
0512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.74	±9.6
0513	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
0514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.45	±9.6
0515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
0516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
0517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.0
0518 0519	AAD	IEEE 802 11a/h WIFI 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
0520	AAD	IEEE 802.11ah WIFI 5 GHz (DFDM, 12 Mbps, 98pc duty cycle)	WLAN	8.39	±9.6
0520	AAD	IEEE 802.11a/h WIFI 5 GHz (OFOM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	+9.6
0522	AAD	IEEE 802.11ah WIFI 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
0523	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps, 169c duty cycle)	WLAN	8.45	±9.6
0524	AACI	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	19.6
0525	AAD	IEEE 809.11a/h WiFi 5 GHz (OFDM, 54 Mops, 59pc duty cycle)	WLAN	8.27	±9.6
1526	AAD	IEEE 802.11ac WFI (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
1527	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.42	±9.6
1528	AAD	IEEE 802.11ac WIFI (20 MHz, MCS2, sept duty cycle)	WLAN-	8.21	±9.6
1529	AAD	Control of the Contro	WLAN	8.38	±9.6
3531	AAD	IEEE 802.11ac WIFI (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
532	AAD	IEEE 802 11ac WIFI (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
0533	AAD	IEEE 802 11ac WiFI (20 MHz, MCS7, 98pc duty cycle)	WLAN	8.29	+9:6
F003	manuscript description of	IEEE 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
	AAD	IEEE 802.11ac WIFI (40 MHz, MCSO, 99pc duty cycle)	WLAN	8.45	±9.0
0534		IEEE 802.11ac WIFI (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
0534 0535	AAD		1044		
0534 0535 0536	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
0534 0535			WLAN WLAN WLAN	8.32 8.44 8.54	±9.6 ±9.6

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0.609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
0610	AAD	IEEE 802.11ac WIFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
0611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
1612	AAD	IEEE 802.11ac WIFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
1613	AAD	IEEE 802.11ac WIFI (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
1614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
0615	AAD	IEEE 802.11ac WIFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
8190	AAD.	IEEE 802.11ac WFI (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
0617	AAD	JEEE 802.11ac WiFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
0618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
0619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
0620	AAD	IEEE 802.11ac WIFI (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
0621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WEAN	8.77	±9.6
0622	AAD	IEEE 802.11ac WIFI (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
0.623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
0.654	AAD	IEEE 802.11ac WIFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.95	±9.6
0625	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
0.626	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
0627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
0628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
0 629	AAD	IEEE 802.11ac WIFI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
0.630	AAD	IEEE 802,11sc WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
0631	AAD	IEEE 802 11ac WIFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
0632	AAD	IEEE 802 11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
0633	AAD	IEEE 802.11ac WIFI (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	≡9.6
0634	AAD	IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc duty cycle).	WLAN	8.80	±9.6
1635	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
0836	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
0637	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
0638	AAE	IEEE 802,11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
0639	AAE	IEEE 802.11ac WIFI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
0640	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
0641	AAE	IEEE 802,11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
0642	AAE	IEEE 802.11ac WIFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
0643	AAE	IEEE 802.11ac WIFI (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	19.6
0644	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	19.6
0645	AAE	IEEE 802.11ap WiFi (160 MHz, MCS9, 90pc duty cycle)	WEAN	9.11	±9.6
0646	AAH	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDO	11.96	±9.6
0647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subtrame=2,7)	LTE-TDD	11,96	±9.6
0648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
0662	AAF	LTE-TDD (OFDMA, SMHz, E-TM 3.1, Clipping 44%)	LTE-TDD	8.91	±9.6
0653	AAF	LTE-TDO (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
0654	AAE	LTE-TDO (OFDMA, 15MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
0665	AAF.	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7.21	±9.6
1658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
0659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
1660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
1661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
1662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
1670	AAA.	Bluetooth Low Energy	Bluetopth	2.19	±9.6
1671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
1672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
1673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9,6
and the low lands in	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	B.74	±9.6
7.00	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8,77	±9.6
677	AAC	IEEE 802.11ex (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
089	AAC	IEEE 802.11as (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
and the same	AAG	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
_	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
683	AAC	IEEE 802 11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
-			111111111111111111111111111111111111111	-	
685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle) IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.33	±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
10.755	AAG	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	AAG	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6
10759	AAC	IEEE 802 11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8,58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCSS, 99pc duty cycle)	WLAN	8.49	±9.6
10761 10762	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10763	AAC	IEEE 802.11sx (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle) IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN WLAN	8.54	±9.6
10796	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.54	±9.6
10767	AAG	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.51	±9.6
10768	AAE	5G NR (CP-OFDM, 1 R8, 10 MHz, QPSK, 15kHz)	5G NR FRI TOD	7.99	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15MHz)	5G NR FR1 TDD	8.01 8.01	±9.6
10770	AAE	5G NR (CP-OFDM, 1 AB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD		±9,6
10771	AAD	SG 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, 15kHz)	The state of the s		19.6
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.23 8.03	±9.6
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10775	AAF	5G NR (CP-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, CPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 15kHz)	SG 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	19.6
10.779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	SG 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)	SG NR FR1 TDD	8.43	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	SG 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	19.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, CPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	SG NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	50 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 TOD	7.84	±9.6
10798	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	B.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 TD0	7.93	±9.6
10801	AAF	5G NR (CP-OFOM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TD0	7.89	±9.6
10802	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9,6
10803	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NA FR1 TDD	7.93	±9.6
0805	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0806	DAA	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
0809	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0812	AAF	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
0817	AAG	SG NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.35	29.6
0818	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
0820	AAD	50 NR (CP-OFDM, 100% RB, 20 MHz, CPSK, 30 KHz)	5G NR FR1 TDD	8.30	±9.6
0821	AAE	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
0822	AAF	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
not be the Great with the	AAE	5G NR (CP-OFDM, 100% RB, 40 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
0824	AAF	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
0827	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, CPSK, 30 kHz)	50 NR FR1 TDD	8.42	±9.6
LACED.	HHE	SSTITE (GET SEE LIM, TOUSE FID, SU MITZ, CETSK, SUKHZ)	5G NR FR1 TDD	8.43	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
0.689	AAC.	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.55	±9.6
0690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
0.691	AAC	IEEE 802.11ax (20 MHz, MCS8, 98pc duty cycle)	WLAN	8.25	+9.6
0692	AAC	IEEE 802,11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
0693	AAG	IEEE 802.11ax (20 MHz, MCS10, 98pc duty cycle)			
0894	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.25	±9.6
0695			WLAN	8.57	±9.6
-	AAC	IEEE 802.11ax (40 MHz, MGS0, 90pc duty cycle)	WLAN	8,78	+9.6
0696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	6.91	±9.6
0697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
0698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
0690	AAC	IEEE 802,11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
0700	AAC	IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle)	WLAN	8.73	±9.6
0701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WEAN	8.86	±9.6
0702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
0703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
2704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
0705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
706	AAC.	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	
0707	AAC	IEEE 802.11ax (40 MHz, MCS0, 98pc duty cycle)	WLAN	8.32	±9.6
708	AAG	IEEE 802.11ax (40 MHz, MCS1, 89pc duty cycle)		8.55	±9.6
7709	AAC		WLAN	and the second s	±9.6
0710	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
	-	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
0.711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
0712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
0.713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
0714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
0715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
2716	AAC:	IEEE B02.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
0717	AAC	IEEE 802.11sx (40 MHz, MCS18, 98pc duty cycle)	WLAN	8.48	±9.6
0718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
0719	AAC:	IEEE B02:11ax (B0 MHx, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
0720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
0721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	
0722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN		±9.6
0723	AAC	IEEE 802.11ax (BOMHz, MCS4, 90pc duty cycle)		8.55	±9.6
0724	AAC		WLAN	6.70	±9.6
0725	AAC	IEEE 802.11ax (80 MHz, MCSS, 90pc duty cycle)	WLAN	8.90	±9.6
-	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	19.6
726		IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
731	AAC	IEEE 802 11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
1732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8,46	±9.6
733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
1737	AAC	IEEE 802.11ex (80 MHz, MCS6, 98pc duty cycle)	WLAN	8.36	
1738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN		±9.6
739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)		8.42	±9.6
740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
741	AAC		WLAN	8.48	±9.6
742	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.8
	_	IEEE 802,11ax (80 MHz, MCS11, 199c duty cycle)	WLAN	B.43	±9.6
743	AAC	IEEE 802.11ax (160 MHz, MCSO, 90pc duty cycle)	WLAN	8,94	±9.6
1744	AAC	IEEE 802,118x (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
1746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WEAN	8.11	±9.6
747	AAC	IEEE 802.118x (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
1748	AAC	IEEE 802.11ax (160 MHz, MCSS, 90pc duty cycle)	WLAN	8.93	±9.6
749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
750	AAC	IEEE 802.11ex (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	
751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duly cycle)	WLAN		±9.6
- C C C C	AAC	IEEE 802.11ex (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.82	±9.6

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UID	Bev	Communication System Name	Group	PAR (dB)	Unc $E k = 2$
10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 80 kHz)	5G NR FR1 TDD	7.63	+9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAE	5G NR (CP-OFDM, † RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	19.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	50 NR FR1 TDD	7.68	±9.6
10839	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TD0	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz; QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 60MHz)	5G NR FR1 TDD	9,41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8:34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAE	5G NR (CP-DFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,37	±9,6
10957	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.35	±9.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz; QPSK, 60 kHz)	5G NA FR1 TDD	8.38	±9.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz; QPSK, 60 kHz)	5G NR FR1 TOD	8.34	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	56 NR FR1 TDD	8.41	±9.6
10864	AAE	5G NR (CP-OF0M, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10885	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.68	19.6
10868	AAF	5G NR (DFT-6-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.80	±9.6
10869	AAE	5G NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TD0	5,75	+9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAE	50 NR (DFT-6-OFDM, 1 RB, 100 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	5,75	±9.6
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100MHz, 16QAM, 120kHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 84QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100MHz, 64QAM, 120hHz)	5G NR FR2 TDD	6,65	±9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7,78	±9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 129 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	#9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	B.41	±9.6
10880	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10881	AAE		5G NR FR2 TDD	8.38	±9.6
10882	AAE	5G NR (DFFs-DFDM, 1 RB, 50 MHz, QPSK, 120 kHz) 5G NR (DFFs-DFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10883	AAE	5G NR (DFTs-OFDM, 100% NB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 18QAM, 120 kHz)	50 NR FR2 TDD	6.57	±9.6
10885	AAE	5G NR (DFT-6-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120kHz)	5G NR FR2 TDD	6.61	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	50 NR FR2 TDD	6.65	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 MHz)	5G NR FR2 TDD	7.78	19.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 T00	8.35	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	9.02	±9.6
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10897	AAE	5G NR (DFT-a-OFDM, 1 RB, 5MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.41 5.66	±9.6
10.898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6 ±9.6
0.900	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 MHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10905	CAA	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	
10907	AAE	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,78	±9.6
10908	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	50 NR FR1 TD0	The second secon	-
	or Control of the	5G NR (DFTs-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	5.93	±9.6
10'909	BAA				

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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, 15kHz)	50 NR FR1 TOD	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	19.6
10.985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	50 NR FR1 TDD	9.54	±9.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	19.6
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, 84-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 84-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	±0.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	50 NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 159Hz)	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	8.98	±9.6
11012	AAA.	5G NR DL (CP-OFDM, TM 3.1, 56 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAB	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAB	IEEE 802,11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAB	IEEE 802 11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	#9.6
11018	AAB	IEEE 802 11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	≡9.6
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8,09	±9.6
11024	BAA	IEEE 802.11be (320 MHz, MCS12, 99pc duly cycle)	WLAN	8.42	±9.6
11025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	19.6
11026	AAB	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	19.6

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



January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	UncE k =
10911	AAB	5G NR (DFT-II-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	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 TD0	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	19.6
10918	AAE	5G NR (DFT-6-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAC	5G NR (DFT-e-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	SG NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAC	5G NR (DFT-6-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	53 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-e-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAD	5G NR (DFT-e-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	DAA	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAC	SG NR (DFT-s-OFOM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-ii-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)	SG 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
10938	AAD	5G NR (DFT-e-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)	SG NR FR1 FDD	5.77	±9.6
10/938	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 (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAC	5G NR (DFTs-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-8-OFDM, 50%, RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAD	5G NR (DFT=OFDM, 100% RB, 5MHz, QPSK, 15kHz)	50 NR FR1 FD0	5.81	±9.6
10945	AAD	5G NR (DFT-II-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FD0	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 (DFTs-OFOM, 100% RB, 20 MHz, QPSK, 15 kHz)	50 NR FR1 FD0	5.87	±9.6
10948	AAC	5G NR (DFT-a-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 FD0	5.87	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	53 NR FR1 FD0	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 FD0	8,25	±9.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 84-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.8
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)	53 NR FR1 FD0	8.42	±9.6
10956	AAA	8G NR DL (CP-OFDM, TM 3.1, 5 MHz, 84-QAM, 30 kHz)	5G NR FR1 FD0	8.14	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 84-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)	SG NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	50 NR FR1 TDD	9.36	±9.6
0962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-DAM, 15kHz)	5G NR FR1 TDD	9.40	±9.6
0963	AAG	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15kHz)	5G NR FR1 TOD	9.55	±9.6
0994	AAE	5G NRI DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	50 NR FR1 TDD	9.29	±9.6
0965	AAC	SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
0966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	53 NR FR1 TDD	9.58	±9.6
0967	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
0.968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 36 kHz)	5G NR FR1 TDD	9.49	±9.6
0972	AAC	5G NR (CP-OFOM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
0973	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
0974	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
10978	AAA	ULLA BDR	ULLA	1.16	+9.6
0979	AAA	ULLA HDR4	ULLA	8.58	±8.6
0980	AAA	ULLA HDR8	ULLA	10.32	±9.6
0981	AAA	ULLA HDRp4	ULLA	3.19	±9.6
0982	AAA	ULLA HDRo8	ULLA	3.43	£9.6

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EX3DV4 - SN:7702 January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	UncE k = 2
10541	AAD	IEEE 802.11ac WFi (40 MHz, MCS7, 98pc duty cycle)	WLAN	8.46	±9.6
10542	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	19.6
10543	AAD	IEEE 802.11ac WiFi (40 MHz, MCSB, 98pc duty cycle)	WLAN	8.65	±9.6
10544	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	B.47	19.6
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WEAN	8,35	±9.6
10547	AAD	IEEE 802.11ac WIFI (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAD	IEEE 802.11ac WIFI (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9,6
10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9,6
10554	AAE	IEEE 802.11ac WIFI (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAE	IEEE 802.11ac WIFI (160 MHz, MC53, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8,61	±9.6
10560	AAE	IEEE 802.11ac WIFI (180 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9:6
10562	AAE	IEEE 802.11ac WIFI (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	#9.6
10563	AAE	IEEE 802.11ac WIFI (160 MHz, MCS9, 99pc duty cycle)	WLAN	B.77	±9.6
10564	AAA	IEEE 802 11g WFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9,6
10565	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9,6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
0570	AAA	IEEE 802.11g WFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802 11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802:11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	6,49	±9.6
10.579	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802:11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802,11g WiFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duly cycle)	WLAN	8.67	±9.6
membrana Arabada	AAD	IEEE 802.11a/h WIFI 5 GHz (OFOM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFOM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585 10588	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10.587	AAD	IEEE 802 11a/h WIFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10588	AAD	IEEE 802.11a/h WIFI 5 GHz (OFOM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10:588	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	B,76	±9.6
10590	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAD	IEEE 802.11a/h WiFi 5 GHz (OFOM, 54 Mbps, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.67	±9.6
10592	AAD		WLAN	8.63	±9.6
0593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle) IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.79	±9.6
10594	AAD	IEEE 802.11n (HT Mwed, 20 MHz, MCS2, supc duty cycle)	WLAN	B.64	±9.6
0.595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, vopc duty cycle)	WLAN	8,74	±9.6
10 596	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.74	+9.6
0597	AAD	IEEE 802.11n (HT Mixed; 20 MHz, MCSe, 90pc duty cycle)	WLAN	8.71	±9.6
0.598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	720727	8.72	±9.6
0.599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.50	±9.6
0600	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
0.601	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
0602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN		±9.6
0803	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	8.94	19.6
10604	AAD	IEEE 80Z.11n (HT Mixed, 40 MHz, MCSS, 90pc duty cycle)	The state of the s	9.03	±9,6
10605	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.76	±9.6
0606	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8,97	±9.6
			and the second s	8.82	±9.6
0607	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9,6

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





S Schweizerischer Kallbrierdienst
C Service sulsse d'étalonnage
Servizio svizzero di taratura

S Swiss Calibration Service

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

Accreditation No.: SCS 0108

Client

HCT

Gyeonggi-do, Republic of Korea

Certificate No.

EX-3968_Sep23

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:3968

Calibration procedure(s)

QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,

QA CAL-25.v8

Calibration procedure for dosimetric E-field probes

Calibration date

September 27, 2023

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
OCP DAK-3.5 (weighted)	SN: 1249	20-Oct-22 (OCP-DAK3.5-1249 Oct22)	Oct-23
DCP DAK-12	SN: 1016	20-Oct-22 (OCP-DAK12-1016, Oct22)	Oct-23
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660 Mar23)	Mar-24
Reference Probe ES3DV2	SN: 3013	06-Jan-23 (No. ES3-3013 Jan23)	Jan-24

Secondary Standards	ID.	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-22)	in house check: Jun-24
Power sensor E4412A	SN: MY41498087	86-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
RF generator HP 8648C	SN: US3842U01700	04-Aug-99 (In house check Jun-22)	In house check: Jun-24
Network Analyzer E8358A	SN: US41080477	31-Mer-14 (in house check Oct-22)	In house check: Oct-24

Calibrated by Addnis Georgiadou Laboratory Technician

Approved by Sven Kühn Technical Manager

Issued: September 27, 2023

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

Certificate No: EX-3968 Sep23

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Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





S Schweizerischer Kalibrierdienst C Service sulsse d'étalonnage Servizio svizzero di taratura

S Swiss Calibration Service

Accreditation No.: SCS 0108

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

Glossary

TSL tissue simulating liquid NORMx,y,z sensitivity in free space ConvF sensitivity in TSL / NORMx,y,z DCP diode compression point

CF crest factor (1/duty_cycle) of the RF signal A, B, C, D modulation dependent linearization parameters

Polarization φ φ rotation around probe axis

Polarization # ## rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., # = 0 is

normal to probe axis

Connector Angle Information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization ∂ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide), NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * Inequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- . PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z; A, B, C, D are numerical linearization parameters assessed based on the data of
 power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum
 calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ±50 MHz to ±100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Serisor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis).
 No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

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Parameters of Probe: EX3DV4 - SN:3968

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (μV/(V/m) ²) ^A	0.54	0.59	0.57	±10.1%
DCP (mV) B	101.4	98.7	99.3	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	dB√μV	С	D dB	WN mV	Max dev.	Max Unc ^E k = 2	
D	CW	X	0.00	0.00	1.00	0.00	140.5 ±	±1.5%	±4.7%	
		Y	0.00	0.00	1.00		123.0			
	errantis University University States and St	Z	0.00	0.00	1.00		144.6			
10352	Pulse Waveform (200Hz, 10%)	X	2.89	66.99	10.61	10.00	60.0	±3.7%	±9.6%	
		Y	20.00	90.11	19.85		60.0			
		Z	7.20	76.02	14.67		60.0			
10353	Pulse Waveform (200Hz, 20%)	X	2.25	66.81	9.74	6.99	80.0	±2.4%	±9.6%	
		Y	20.00	91,24	19.33		80.0			
		Z	20.00	85.87	16.64	-	80.0			
10354	Pulse Waveform (200Hz, 40%)	X	2.36	69.54	9.97	3.98	95.0	±1.1%	±9.6%	
		Y	20.00	93.27	18.97		95.0			
		Z	20.00	87.12	16.14		95.0			
10355	Pulse Waveform (200Hz, 60%)	X	7.99	78.93	12.02	2.22	120.0	±0.8%	±9.69	
		Y	20.00	93.55	17.80	3	120.0			
		Z	20.00	88.64	15.85		120.0			
10387	QPSK Waveform, 1 MHz	X	1.66	66.44	14.98	1.00	150.0	±2.6%	±2.6%	±9.6%
		Y	1.58	65.39	14.27		150.0		-223	
		2	1.66	66.01	14.74		150.0			
10388	QPSK Waveform, 10 MHz	X	2.22	68.09	15.75	0.00	150.0	±1.0%	±9.6%	
		Y	2.12	67.21	15.12		150.0	10000		
		Z	2.21	67.78	15.51		150.0			
10396	64-QAM Waveform, 100 kHz	X	2.77	70.21	18.75	3.01	150.0	±0.8%	±9.6%	
		Y	2.71	68.98	18.06	3 3 7 7 7 7	150.0	NAME OF		
		2	2,75	69.61	18.42		150.0			
10399	64-QAM Waveform, 40 MHz.	X	3.52	67.23	15.83	0.00	150.0	±1.8%	±9.6%	
		Y	3.46	66.85	15.53	0.500.50	150.0	37730	903500	
		Z	3.54	67.18	15.75		150.0			
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.88	65.83	15.64	0.00	150.0	±3.5%	±9.6%	
		Y	4.87	65.68	15.52	107/07/03	150.0	100000000000000000000000000000000000000	-8000	
		2	4.72	65.13	15.25		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%.

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

B Linearization parameter uncertainty for maximum specified field strength.

I 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:3968

Sensor Model Parameters

	C1 IF	C2 fF	α V-1	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V-2	T5 V-1	T6
X	42.5	318.54	35.72	13.42	0.00	5.00	1.08	0.20	1.01
ÿ	44.6	337.82	36.33	13.80	0.00	5.10	0.39	0.38	1.01
Z	44.1	330.25	35.69	18.49	0.00	5.03	0.79	0.28	1.01

Other Probe Parameters

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Sensor Arrangement	Triangular
Connector Angle	82.6°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	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:3968

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 (k = 2)
750	41.9	0.89	10.35	8.97	8.94	0.44	1.27	±12.0%
835	41.5	0.90	10.38	9.03	8.80	0.42	1.27	±12.0%
900	41.5	0.97	9.56	9.09	8.42	0.42	1.27	±12.0%
1750	40.1	1.37	9.17	8.32	8.06	0.29	1.27	±12.0%
1900	40.0	1.40	8.81	8.04	7.78	0.32	1.27	±12.0%
2300	39.5	1.67	7.99	7.30	7.06	0.34	1.27	±12.09
2450	39.2	1.80	7.98	7.30	7.04	0.33	1.27	±12.09
2600	39.0	1.96	7.93	7.20	6.94	0.32	1.27	±12.09
3300	38.2	2.71	7.40	6,78	6.74	0.37	1.27	±14.09
3500	37.9	2.91	7.36	8.75	6:70	0.36	1.27	±14.0%
3700	37.7	3.12	7.23	6.64	6.60	0.36	1.27	±14.09
3900	37.5	3.32	7.06	6.49	6.45	0.38	1.27	±14.0%
4100	37.2	3.53	6.95	6.39	6.35	0.39	1.27	±14.0%
4400	36.9	3.84	6.72	6.18	6.14	0.39	1.27	±14.0%
4600	36.7	4.04	6.70	6.16	6.12	0.40	1.27	±14.0%
4800	36.4	4.25	6.74	6.17	6.15	0.39	1.27	±14.0%
4950	36.3	4.40	6.42	5.84	5.85	0.44	1.36	±14.0%
5250	35.9	4.71	6.10	5.52	5.56	0.38	1.58	±14.0%
5600	35.5	5.07	5.17	4.74	4.73	0.38	1.75	±14.0%
5750	35.4	5.22	5.34	4,88	4.88	0.39	1.75	±14.0%
5800	35,3	5.27	5.27	4,81	4.77	0.39	1.78	±14.0%

G Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), site it is restricted to ±50 MHz. The uncertainty is the PSS 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, 120, 150 and 220 MHz respectively. Validity of ConvF assessment at 4 MHz is ±40 MHz, and ConvF assessment at 30 MHz is ±40 MHz, and ConvF assessment at 130 MHz is ±40 MHz, and ConvF assessment at 130 MHz is 30, 64, 120, 150 and 220 MHz respectively. Validity of ConvF assessment at 10 MHz is 40 MHz in 2 and 200 MHz is 30, 64, 120, 150 and 250 MHz in 30 MHz is 30, 64, 120, 150 and 250 MHz in 30 MHz is 30, 64, 120, 150 and 250 MHz in 30 MHz is 30, 64, 120, 150 and 250 MHz in 30 MHz is 30, 64, 120, 150 and 250 MHz in 30 MHz is 30, 64, 120, 150 and 250 MHz in 30 MHz is 30, 64, 120, 150 and 250 MHz in 30 MHz is 30, 64, 120, 150 and 250 MHz in 30 MHz is 30, 64, 120, 150 and 250 MHz in 30 MHz is 30, 64, 120, 150 and 250 MHz is 30, 64, 120 MHz is 30

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



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Parameters of Probe: EX3DV4 - SN:3968

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 (k = 2)
6500	34.5	6.07	5.89	5.56	5.57	0.20	2.00	±18.6%

C Frequency validity at 6.5 GHz is -000'+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the Com/F uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

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

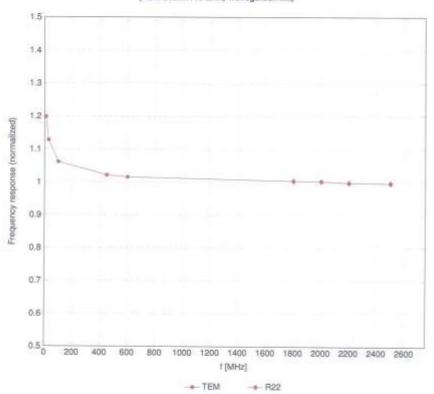
G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less. than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3-6 GHz; and below ±4% for frequencies between 6-10 GHz at any distance larger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



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Frequency Response of E-Field

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



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

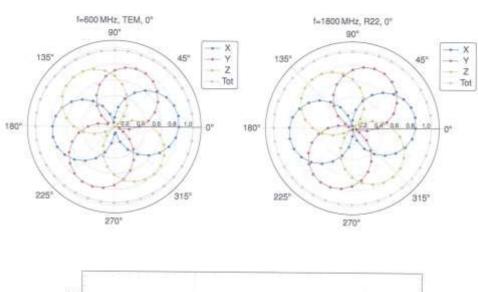
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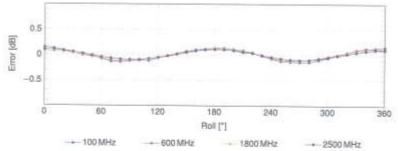
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Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$





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

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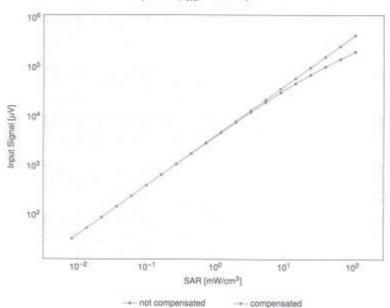
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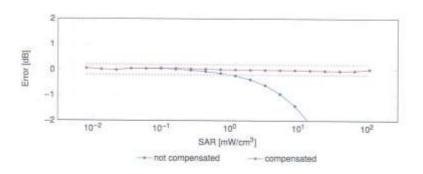


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Dynamic Range f(SAR_{head})

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





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

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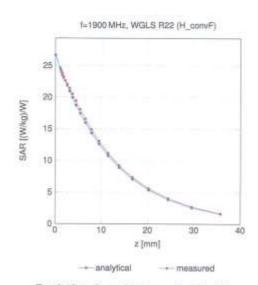
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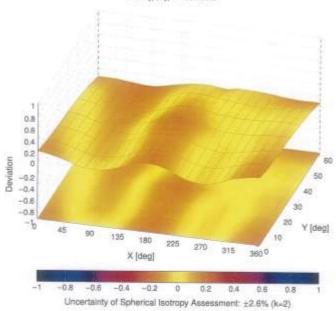
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Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ) , f = 900 MHz



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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
. 0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100ms, 10ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2:91	±9.6
10012	CAB	IEEE 802.115 WIFI 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802,11g WIFI 2.4 GHz (DSSS-OFDM, 8 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	DSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	8.56	±9.6
10025	DAC	EDGE-FDD (TOMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TOMA, 8PSK, TN 0-1)	GSM	9.55	19.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	19.6
10028	DAC	GPRS-FDD (TOMA, GMSK, TN 0-1-2-3)	GSM	1.85	+9.6
10029	DAC	EDGE-FDD (TDMA: 8PSK, TN 0-1-2)	GSM	7.78	
10030	CAA	IEEE 800.15.1 Bluetooth (GFSK, DH1)	Print all the second se		±9,6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	5.30	±0.0
10032	CAA	Transporter Live State Contract Contrac	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bruetooth (QFSK, DH5)	Bluetsoth	1.16	1.9.8
34,5,414		IEEE 802.15.1 Buetooth (PV4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802 15 1 (Ruetooth (PV4-DQPSK, DR3)	Bluetooth	4.53	±8.0
10035	CAA	IEEE 802.15.1 Bluetooth (PN4-DQPSK, DH5)	Bluetooth	3,83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, OH1)	Bluetooth	8.01	19.6
10037	CAA	IEEE 802.15.1 Brustooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.16.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2080	4,57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TOMA/FDM, PV4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FOD (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	±8.6
10056	CAA	UMTS-TDD (TD-SCOMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	OSM	6.52	19.6
10058	CAB	IEEE 803.11b WIFI 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.116 WIFI 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	19.6
10061	CAB	IEEE 802.11b WIF: 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	
10062	CAD	IEEE 802.11a/n WFI 5 GHz (OFDM, 6 Mbps)	0.11.71		±9.6
10063	CAD	IEEE 802,11ah WFI 5 GHz (OFDM, 9Mbps)	WLAN	8.68	±9.6
10064	CAD	IEEE 802.11ah WFI 5 GHz (OFDM, 12 Mbps)	WLAN	8.63	19.6
10065	GAD	IEEE 802.11a/h WF15 GHz (OFDM, 12 Mbps)	WLAN	9.09	±8.6
10088	CAD		WLAN	9.00	±8.6
10087	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
	CAD	IEEE 809.11a/h WIFI 5 GHz (OFDM, 38 Mbps)	WLAN	10.12	±9.6
10055		IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mops)	WLAN	10.24	±9.ff
10069	CAO	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	±9.0
10072	CAB	IEEE 802.11g WIFI 2.4 OHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9,6
10074	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFOM, 24 Mbpt)	WLAN	-10.30	±9.6
10075	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10,77	±9.0
10076	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	19.6
10077	CAB	IEEE B02.11g WIFI 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10061	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FOD (TDMA/FDM, PV4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAG	OPRS-FDD (TDMA, GMSK, 7N 6-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	19.8
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA		
10099	DAC	EDGE-FOD (TDMA, BPSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-FDD		±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-FDD	5.67	19.6
0102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	The second second second	6.42	#9.6
0 103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-FDD	6.60	±8.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 18-QAM)	LTE-TDO	9.29	±9.6
0105	CAH		LTE-TOD	9.97	±9.6
	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-TDD	10:01	±9.6
10108	-	LTE-FDD (SC-FDMA, 100% RB, 18 MHz, QPSK)	LTE-FOO	5.80	±9,6
10109	CAH	LTE-FDD (8C-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDO	6.43	±9.6
0110		LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FD0	5.75	19.6
	CAH:	LTE-FDD (SC-FDMA, 100% RB, SMHz, 16-QAM)	LTE-FDD	6.44	±9.6

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10112	CAH	LTE-F00 (SC-F0MA, 100% RB, 10 MHz, 64-QAM)	LTE-FOD	6.59	±9.6
10113	CAH	LTE-FDO (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-FOD	6.62	19.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 18-QAM)	WLAN	8.46	±9.6
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.8
10-117	CAD	IEEE 882 11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10 118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 18-QAM)	WLAN	8.59	±9.6
10119	CAD	IEEE 802.11n (HT Mixed, 135Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FOO	6.49	±9.0
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	6.53	8.61
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, 84-QAM)	LTE-FDD	6.65	±9.6
101.45	CAG	I,TE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-F00	5.76	±9.6
10148	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-FOD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-DAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FOD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±8.0
10151	CAH	LTE-TDD (SC-FDMA, 50% RB. 20 MHz, QPSK)	LTE-TOD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB; 25 MHz, 18-QAM)	LTE-TOD	9.92	±9.6
10153	CAH	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TOD	10.05	±9.fl
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	±9.8
10156	CAH	LTE-FOD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 15-QAM)	LTE-FDD	6.49	±9.fi
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10.159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 84-QAM)	LTE-FDD	6.56	±9.0
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FD0	5.82	±9.8
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% R8, 15 MHz, 64-QAM)	LTE-FD0	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FOO	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4MHz, 18-QAM)	LTE-FD0	6.21	20.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDO	8.79	19.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, QPSK)	LTE-FDD	5.73	19.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)	LTE-FD0	8.52	+9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64 QAM)	LTE-FDD	6.49	19.6
10172	CAH	LTE-TOD (SC-FOMA, 1 R8, 20 MHz, QPSK)	LTE-TDD	9.21	19.6
10173	CAH	LTE-TDD (SC-FOMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	10.6
10174	CAH	LTE-TOO (SC-FOMA, 1 RB. 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
0175	CAH	LTE-FOO (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	CAL	LTE-FOD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-FOD	6.92	±9.6
0179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 54-QAM)	LTE-FDD	6.50	±9.0
0180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FOO	6.50	The second secon
0181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FOD	5.72	±9.6 ±9.6
0182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 18-QAM)	UE-F00	8.52	±9.6
0183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-FOO		
0.184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	1.TE-F00	8.50	±9.6
0185	CAF	LTE FDD (SC-FDMA, 1 RB, 3MHz, 16-GAM)	LTE-FDD	5,73	±9.6
0186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	The second secon	8,51	±9.6
0187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, DPSK)	LTE-FOO	6.50	±9.6
0188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-DAM)	LTE-FD0	5.73	±9.6
0189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FD0	6,52	±9.6
0193	CAD	IEEE 809,11n (HT Greenfield, 6.5 Mbps, BPSK)	LTE-FDD	6.50	±9.8
0194	CAD	IEEE 802.11n (HT Greenfeld, 39Mbps, 16-QAM)	WLAN	8.09	±9.6
0195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.12	±9.6
0196	GAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, 8PSK)	WLAN	8.21	±9.6
0197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.10	±9,8
0198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.13	±8.6
0219	CAD	EEE 802.11n (HT Mixed, 10 Mcps, 64-CAM)	WEAN	8.27	±9.6
0220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.03	19.6
0221	CAD		WLAN	8.13	±9.6
0222	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 54-QAM)	WLAN	8.27	±9.6
293°C		IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.06	19.6
0223	CAD	IEEE 802.11n (HT Mixed, 150 Mhps, 64-QAM)	WLAN	8,48	19.6

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10:225		UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226		LTE-TDD (SC-FDMA, 1 RB, 1 AMHz, 16-QAM)	LTE-TOD	9.49	29.6
10227		LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-TOO	10.26	±9.6
10228		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TOO	9.22	±9.6
10229		LTE-TDD (\$C-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TOO	9.48	#9.6
10230		LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TOO	10.25	39.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TOD	9.19	±9.6
10232		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TOD	9.48	±9.6
10233		LTE-TOD (SC-FDMA, 1 RB, 5MH); (4-QAM)	LTE-TOO	10.25	±9.6
10234	1000000	LTE-TOD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-TOD	9.21	±9.6
10235	CAH	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, 15-QAM)	LTE-TOD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TOD	9.21	±9.0
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAG	LTE-TOD (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-TOD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TOD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TOD	9.88	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 58% RB, 1.4MHz, QPSK)	LTE-TOD	9.46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 60% RB, 3 MHz, 16-QAM)	LTE-TOD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TOO	10.06	±9,6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TOO	9.30	±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TOO	9.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 84-QAM)	LTE-TOO	10.09	49.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TOO	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-TOO	10.17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TOO	9.24	19.6
10253	CAG	LTE-TOD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	19.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 84-QAM)	LTE-TOD	10,14	±9.0
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TOD	9.90	±9.0
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TOD	9.98	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64 QAM)	LTE-TOD	10.08	±9.6
10258	CAC	LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (9C-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-TOD	9.98	±9.6
10290	CAE	LTE-TDD (8C-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10251	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-TOO	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10.263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, (4-QAM)	LTE-TD0	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-TOO	9.23	±9.6
10765	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, 84-QAM)	LTE-TOD	10,07	±9.6
10287	CAH	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TOD	9.30	+9.6
10268	CAG	LTE-TDO (SC-FOMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10270		LTE-TDD (SC-FDMA, 100% RR, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RR. 15MHz, QPSK)	LTE-TDD	9.56	±9.6
10275	CAG	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8 10)	WCDMA	4.87	±9.6
		UMTB-FDD (HSUPA, Subject 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
10277	CAA	PHS (OPSK)	PHS	11.81	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Relieff 0.5)	PHS	11,81	±9.6
	- Committee of the	FHS (QPSK, BW 894 MHz, Rollott 0.38)	PHS	12,18	±9.6
10290	AAB	CDMA2000, RC1, S056, Full Rate	COMA2000	3.91	±9,6
10292	AAB	COMA2000, RC3, SO85, Full Rate	GDMA2000	3.48	±9.6
10/298	AAB	COMA2000, RC3, SC32, Full Rate	CDMA2000	3,39	±9.6
10295	AAB	COMA2000, RC3, SC3, Full Rate	CDMA2000	3.50	±9.6
0297	AAE	COMA2000, RC1, SO3, 1/8th Rate 25 tr.	CDMA2000	12.49	±9.6
10298	AAE	LTE-F00 (SC-F0MA, 50% RB, 20MHz, QPSK) LTE-F00 (SC-F0MA, 50% RB, 3MHz, QPSK)	LTE-FD0	5.81	19.6
10299	AAE		LTE-FDD	5.72	±9.6
0300	AAE	LTE-FDD (SC-FDMA, 50% HB, 3 MHz, 15-QAM)	LTE-FDD	8.39	±9.6
10300	AAA	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 54-QAM)	LTE-FDD	8.60	±9,6
10301	AAA	IEEE 802.15e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WMAX	12.03	±9.6
and below to the		IEEE 802 16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WMAX	12.57	19.6
0:303	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WMAX	12.52	#9.6
0304	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	XAMIW	11,86	±9.6
10305	AAA.	EEE 802 16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WMAX	15.24	±9.6
0306	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 54QAM, PUSC, 18 symbols)	WMAX	14.67	19.6

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10307	AAA	IEEE 802.16e WMAX (29:18: 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WIMAX	14.49	19.6
19308	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 15QAM, PUSC)	WIMAX	14,48	19.6
10309	AAA	IEEE 802.16e WMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WMAX	14.58	19.6
10310	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x2, 18 symbols)	XAMIW	14.57	±9.6
19311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FOD	6.06	±9.0
10313	AAA	IDEN 1:3	IDEN	10.51	±9.8
10314	AAA	IDEN 1:6	IDEN	13.48	19.6
10315	AAB	IEEE 802.11b WFi 2.4 GHz (DSSS, 1 Mbps. 96pc duty cycle)	WLAN	1,71	19.6
10316	AAB	IEEE 800,11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	19.8
10317	CIAA	IEEE 802.11a WIFI-5 GHz (OFOM, 6 Mbps, 96pc duty cycle)	WLAN	0.36	±9.0
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Wavelorm (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	19.6
10356	AAA	Pulse Wayelorm (200Hz, 80%)	Ganeric	0.97	±9.6
10367	AAA	QPSK Waveform, 1 MHz	Generic	5,10	±9.6
10388	AAA	GPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	84-QAM Waveform, 100 kHz	Generio	6.27	19.6
10399	AAA	64-QAM Wavelorm, 40 MHz	Generio	6.27	19.6
10400	AAE	IEEE 802.11ac WIFI (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAE	IEEE 802.11ac WIFI (40 MHz, 54-GAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAE	EEE 802.11ac WFI (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9:6
10403	AAB	CDMA2000 (1xEV-DQ, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DC, Rev. A)	CDMA2000	3.77	19.6
10406	AAB	CDMA2000, RC3, SC32, SCH0, Full Rate	COMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2.3,4,7,8,9, Subframe Cont=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 84-QAM, 40 MHz	Generic	8.54	19.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	29.6
10416	AAA	IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	18.6
10417	AAC	IEEE 803.11a/h WIFI 5 GHz (OFDM, 5 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 preembule)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WIF: 2.4GHz (DSSS-OFDM, 6Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	
10423	AAG	IEEE 802.11n (HT Greenfield, 43.3Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAC	IEEE 502.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, 8PSK)	WLAN	8.41	±9.6
10428	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 18-QAM)	WLAN	8.45	±9.6
10427	AAC	IEEE 809.11n (HT Greenfeld, 150 Mbps, 84-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	0-0,00	±9.6
10431	AAE	LTE-FDD (OFDMA, 10MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10432	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10433	AAD	LTE-FDD (OFDMA, 20MHz, 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, 20MHz, QPSK, UL Subframe=2.3,4,7.8,9)	LTE-TDD		±9,6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E TM 3.1, Clipping 44%)	LTE-FOO	7.82	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FOO	7.56	19.6
10449	AAO	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Cliping 44%)	LTE-FOD	7.51	19.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Glipping 44%)	LTE-FDD	7.48	±9.6
10451	AAB	W-CDMA (BS Test Model 1, 54 DPCH, Clipping 44%)	WCDMA		±9.6
10.453	AAE	Validation (Square, 10 ms, 1 ms)	Test	7,59	±9.6
10456	AAC	IEEE 802.11ac WIFI (160 MHz, 64-QAM, 98pc duty cycle)	WLAN	8,63	±9.8
10457	AAB	UMTS-FDD (DC-HSDPA)	0.0000000000000000000000000000000000000		±5.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WCDMA CDMA2000	6.62	±9.6
10459	AAA	COMA2000 (1xEV-DO, Rev. B, 3 carriers)		6.55	±9.6
10480	AAB	UMTS-FDD (WCDMA, AMR)	CDMA2000	8.26	19.6
10481	AAC	LTE-T00 (SC-FDMA, 1 RB, 1.4MHz, QPSK, UL Subhame+2,3,4,7,8,9)	WCDMA	239	±9.6
10462	AAD	LTE-TOD (SC-FOMA, 1 RB, 1.4 MHz, 18-QAM, UL Subhame=2,3,4,7,8,9)	LTE-TOD	7.82	±8.6
10463	AAC	LTE-TOD (SC-FOMA, 1 RB, 1.4MHz, 54-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subhama-2,3,4,7,8,9)	LTE-TDD	8.56	±9.8
10465	AAD	LTE-TOD (SC-FDMA, 1 RB, 3MHz, UFSK, UL Subtrame=2,3,4,7,8,9)	LTE-TOO	7.82	±9.8
10466	AAD		LTE-TDO	8.32	±9/6
10467	AAG	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 84-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
		LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subframes 2 3,4,7 8.9)	LTE-TOO	7.82	±9,6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subtrame+2,3,4,7,8,9)	LTE-TOD	8.32	#9.6
10469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOO	8.56	19.6
10470	AAG:	LTE-TOD (SC-FDMA, 1 RB, 10MHz, QPSK, UL Subframe-2,3.4.7,8,9)	LTE-TOD	7.82	±9.6
	AAG	LTE-TOD (SC-FOMA, 1 RB, 10 MHz, 15-QAM, UL Subframe=2.3.4,7.8,9)	LTE-TOD	8.32	±9.6

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OID.	Rev	Communication System Name	Group	PAR (dB)	UncE k = 2
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subhame=2,0,4,7,8,9)	LTE-TOO	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TOO	7.82	g9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	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-TOO	8.57	±9/6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOO	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.8
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, QPSK, UI. Subframe=2,3,4,7,8,9)	LTE-TDO	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-TOO	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-TOO	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UI, Subframe=2,3,4,7,8,9)	LTE-TOO	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 18-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM, UL Subfame+2,3,4,7,8,9)	LTE-TOD	8,47	19.6
10485	AAG	LTE-TDD (6C-FDMA, 50% RB, 5MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 16-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TOD	8.38	±9.8
10487	AAG	LTE-TDD (BC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOO	8,60	±9.6
10488	AAG	LTE TOO (SC-FOMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7,70	±9.6
10.489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.31	±9.0
10490	AAG	LTE-TOD (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, 15MHz, QPSK, UL Subhame=2,3,4,7,8,9)	LTE-TOD	7.74	±9.6
10492	AAF	LTE-TD0 (SC-F0MA, 50% RB, 15 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	CTE-TOD	8.41	±9.6
10433	AAF	LTE-TDD (8C-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.ff
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,6,9)	LTE-TDD	7.74	±9.fi
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	19.6
10498	AAG	LTE-TDD (SC-FDMA, 50% R8, 20MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.54	19.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RS, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 180% RB, 1.4 MHz, 16-QAM, UI, Subframe+2,3,4,7,8.9)	LTE-TDD	8.40	±9.6
10499	AAG	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
10,500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL Subtame=2,3,4,7,8,9)	L7E-T00	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 190% RB, 3MHz, 64-QAM, UL Subhame=2,3,4,7,8,9)	LTE-TD0	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.22	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subtrame=2,3.4,7,8.9)	LTE-TOD	8.31	±9.6
10805	AAG	LTE-TDD (SC-FDMA, 180% RS, 5MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOO	8.54	±9.6
10506	AAG	LTE-TDD (9C-FDMA, 100% RB, 10MHz, QPSK, UI. Subtrame+2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 18-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOO	8.36	±9.6
10508	AAG	LTE-TDD (5C-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TOO	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subkame+2,3,4,7,8,9)	LTE-TOD	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-TOD	8.49	:26
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sublimme=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-TOD	7.74	±9.6
10513	AAG	LTE-TDO (SC FDMA, 100% RB, 20 MHz, 16-QAM, UL Subtrame=2,3.4,7,8,9)	LTE-TOD	8.42	±9.6
10514	AAG	LTE-TOO (SC-FOMA, 100% RB, 20 MHz, 64-QAM, UL Subtrame=2,3.4,7,8,9)	LTE-TDD	8.48	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2Mbps, 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	±9.0
10518	AAC	IEEE 902 11ah WIFI 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAC	EEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
0520	AAC	(EEE 802.11a/h WIFI 5 GHz (OFOM, 16 Mbps, 89pc duty cycle)	WLAN	8.12	±9.6
mercan land	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 89pc duty cycle)	WLAN	7.97	±9.6
0522	AAC	IEEE 802 11ah WIFI 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
0524	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8,08	±9.6
0525		IEEE 902.11am WFI 5 GHz (OFDM, 64 Mbps, 95pc duty cycle)	WLAN	8.27	±9.6
	AAC	IEEE 802,11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
0526	AAC	IEEE 802.11ac WIFI (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.8
0528	AAC	IEEE 802.11ac WIFI (20 MHz, MCSZ, 99pc duty cycle)	WLAN	8.21	±9.6
0529	AAC	IEEE 800, 11ac WIFI (20 MHz, MCSS, 99pc duty cycle)	WLAN	8.36	±6.6
0531	AAC	IEEE 802,11ac WIFI (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.8
		IEEE 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.43	±9:8
0.532	AAC	HEEE 802.11ac WIFI (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
0533	AAC	IEEE 802.11ac WIFI (20 MHz, MCS8, Rilpc duly cycle)	WLAN	8.38	±9.6
		IEEE 802.11ac WIFI (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
0.535	AAC	IEEE 802.11ac WIFI (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	19.6
0506	AAC	IEEE 802.11ac WIFI (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	#9.8
0537	AAC	IEEE 802.11ac WFI (40 MHz, MCSS, (9pc duty cycle)	WLAN	8,44	±9.6
0538	AAC.	IEEE 802.11ac WIFI (40 MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WIFI (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.54	±9.6
0540			WLAN	8.39	

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10541	AAC	IEEE 902.11ac WIFI (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.66	±9.6
10542	AAC	IEEE 802,11sc WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAG	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WIFI (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAC	IEEE 802,11ac WIFI (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WIFI (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11sc WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	19.6
10548	AAC	IEEE 802.11ac WIFI (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAC	(EEE 802.11ac WIF) (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.0
10551	AAC	IEEE 802.11ac WIFI (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.0
10552	AAC	IEEE 802.11ac WIFI (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	19.6
10553	AAG	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.46	19.6
10555	AAD	IEEE 802,11ac WIFI (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	18.6
10556	AAD	IEEE 802,11ac WIFI (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAD	IEEE 802.11ac WIFI (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.8
10558	AAD	IEEE 808.11ac WIFI (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10.580	AAD	IEEE 802.11ac WIFI (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	19.6
10561	AAD	IEEE 802.11ac WIFI (180 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.8
0.562	AAD	IEEE 802.11ac WIFI (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	19.6
10.563	AAD	IEEE 802.11an WFI (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
0564	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mops, 89pc duty cycle)	WLAN	8.25	±9.6
0.566	AAA	IEEE 802 11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
0566	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFOM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	19.6
19567	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFOM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	19.6
10568	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WEAN	8.37	
10569	AAA	IEEE 802.11g WIFI Z.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WEAN	8.10	±9.6
10670	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 95pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WIFI Z.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1,99	
0572	AAA	IEEE 800,116 WIFI 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1,99	±9.6
10573	AAA	IEEE 802.116 WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1,98	12.00
10575	AAA	IEEE 802,11g WIFI 2.4 GHz (DSSB-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
0576	AAA	IEEE 802.11g WIFL 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	19.6
10577	AAA	IEEE 802.11g WFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WiFl 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
0580	AAA	IEEE 802.11g WFI 2.4 GHz (OSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	19.6
0582	AAA	IEEE 808.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
0583	AAC	IEEE 802.11a/h WiFi 6 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.09	19.6
0.584	AAC	IEEE 802:11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
0.585	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9:6
0588	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
0587	AAC	IEEE 802.11 u/h WIFI 5 GHz (OFOM, 24 Mbps, 90pc duty cycle)	WLAN	8.38	±9.6
10588	AAC	IEEE 802.11 a/n WIFI 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	6.76	19.6
0.589	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	19.6
0680	AAC	IEEE 802.11a/h WIFI 8 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
0591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	19.6
0592	AAC	IEEE 802:11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	19.8
0593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	19.8
10594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
0595	AAD	IEEE 802,11h (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
0596	AAC.	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	+0.6
0597	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MQS6, 90pc duty cycle)	WLAN	8.72	±9.5
0598	AAQ.	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
0.599	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	#9.6
0600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
0601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	≘9.6
0602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
0.609	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	19.6
0604	AAC	IEEE 802.11n (HT Mosed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
0605	AAC	IEEE 802:11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
none	7.7	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)			
0606	AAC	TELLET GOVE THE THE MEXICO, NO METAL, MILEGY, BUDG BUTY CYCLE)	191 201	9.82	
Action Marketine	AAC	IEEE 802.11ac WFI (80 MHz, MCS0, 80pc duty cycle)	WLAN WEAN	8.82 8.64	±9.6

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10609	AAC	IEEE 802.11ac WIFI (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAC	IEEE 802,11ac WIFI (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±0.6
10611	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	+9.6
10613	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8:94	±8.6
10614	AAC	IEEE 802.11ac WIFI (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10815	AAC	IEEE 802.11ac WIF) (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.62	±9.6
10617	AAC	IEEE 802.11ac WIFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.61	±8.6
10618	AAC	IEEE 802,11ac WIFI (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.0
10819	AAC	IEEE 802,11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.8
10820	AAC	IEEE 802.11ac WiFI (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	19.6
10621	AAC	IEEE 802:11ac WIFI (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10822	AAC	IEEE 802.11ac WIFI (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.fi
10623	MAC	IEEE 802.11ac WIFI (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAC	IEEE 802.11ac WIFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.8
10 625	AAC	IEEE 802.11ac WIFI (40 MHz, MC59, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAC	IEEE 802.11ac WIFI (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAG	IEEE 802.11ac WIF (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAC	IEEE 802.11ac WIFI (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAC	IEEE 802.11ac WFI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.5
10630	AAC	IEEE 802,11ac WFI (80 MHz, MCS4, 90pc duty cycle).	WLAN	8.72	±9.6
10631	AAG	IEEE 802.11ac WFI (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAC	IEEE 802.11ac WIFI (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAG	IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	19.6
10635	AAC	IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAD	IEEE 802.11ac WIFI (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10638	AAD	IEEE 802.11ac WIFI (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
10639	AAD	IEEE 802,11ac WIFI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAD	IEEE 802.11ac WIFI (160 MHz, MCS4, 90pc duty cycle)	WLAN	5.98	19.6
10641	AAD	IEEE 802.11ac WIFI (160 MHz, WCS8, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAD	IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.06	19.6
10643	AAD	IEEE 802.11ac WIFI (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.8
10:044	AAD	IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.06	±9.6
10645	AAD	IEEE 802.11ac WIFI (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.8
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2.7)	LTE-TOD	11.96	19.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TOD	11.96	±9.6
10648	AAA	CDMA2006 (1x Advanced)	CDMA2000	2.65	±9.6
10652	AAF	LTE-TOD (OFDMA, 5MHz, E-TM 3:1, Clipping 44%)	LTE-TOD	0.91	±9.6
10653	AAF	LTE-TOD (OFOMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TD0	7,42	±9.6
10854	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TOO	6.98	±9.6
10655	AAF	LTE-TOD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDO	7.21	±9.6
10658	BAA	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10656	AAB	Pulse Waveform (200Hz, 20%)	Test	8.99	±9.6
10880	AAH	Pulse Waveform (200Hz, 40%)	Test	3.98	19.6
10061	AAB	Pulse Wavelorm (200Hz, 60%)	Test	2.22	±9.6
10962	AAB.	Putse Waveform (200Hz, 80%)	Test	0.97	19.6
10670	AAA.	Bluetooth Low Energy	Bluetooth	2.19	19.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
10672	AAC	IEEE 802.11as (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
18674	AAC	IEEE 802 11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.75	±9.6
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
10678	AAC.	IEEE 802.11ax (20 MHz, MQSS, 90pc duty cycle)	WLAN	8.90	19.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc outy cycle)	WLAN	8.73	19.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	19.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	19.6
10980	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN		19.6
10881	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.80	±9.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.62	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)		8.83	±9.6
10884	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.8
			WLAN	8.26	±9.6
10685	AAC				
10685	AAC	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle) IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6 ±9.6

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 902.11 ax (20 MHz, MCSS, 99pc duty cycle)	WLAN	8.29	±9.6
10688	AAC	IEEE 802.11 ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	W.AN	8.25	±9.8
10682	AAC	IEEE 802,11ax (20 MHz; MCS9, 90pc duty cycle)	WLAN	6.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802,11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	19.6
10695	AAC	IEEE 802.11 ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ar (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10.697	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
10899	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	19.6
10700	AAC	IEEE 802.11ex (40 MHz, MCSS, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11as (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±8.0
10704	AAC	IEEE 802,11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802,11ax (40 MHz, MCS10, B0pc duty cycle)	WLAN	8.69	±9.6
10708	AAC	IEEE 800.11ax (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	±9.8
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 89pc duty cycle)	WLAN	8.33	±9.8
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.8
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10712	AAC	IEEE 808,11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
0714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE B02.11ax (40 MHz, MCSR, 99pc duty cycle)	WLAN	8.45	±9.6
0716	AAC	EEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.90	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±8.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WEAN	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	19.6
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 (90 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAG	IEEE 800.11ax (80 MHz, MCSS, 90pc duty cycle)	WLAN	8.90	19.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	+9.6
0726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
0727	AAC	IEEE 802.11ax (80 MHz, MCSS, 90pc duty cycle)	WLAN	8.66	±9.0
10728	AAC	IEEE 800,11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
0729	AAC	IEEE 802.11ex (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 602.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	18.6
0731	AAC	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	14.610
0.732	AAC	IEEE 809, 11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	10000	±9.6
0733	ANC	IEEE BD2.11ax (80 MHz, MCS2, 98pc duty cycle)	WLAN	8.46	±9.6 ±9.6
0734	AAC	IEEE 882.11ax (80 MHz, MCS3, 98pc duty cycle)	WLAN		
0735	AAG	IEEE 802.11 ax (80 MHz, MC54, 99pc duty cycle)	WLAN	8.25	±9.6
0738	AAC	IEEE 802.11ax (80 MHz, MCSS, 99pc duty cycle)	W.AN	8.27	
0737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.35	±9.6
0738	AAC	IEEE BOZ.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.36	±9.6
0739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	19.6
0740	AAC	IEEE 808,11ax (80 MHz, MCSS, 99pc duty cycle)	WLAN		±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 89pc duty cycle)	WLAN	8.48	±9.6
0742	AAC	IEEE 802,11ax (80 MHz, MCS11, 89pc duty cycle)	WLAN	8.40	±9.6
0743	AAC	IEEE 802,11ax (160 MHz, MCS0, 90pc duty cycle)	***************************************	6.43	49.6
0744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.94	±9.6
0745	AAC	IEEE 802.11ax (160 MHz, MCSI, 90pc duty cycle)	WLAN.	9.16	±9.6
0746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.93	#9.6
0747	AAC.	EEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	8,11	±9.6
0748	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.04	±9.6
0749	AAC:		WLAN	8.93	±9.6
0750	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8,90	19.6
MALDER!		IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WEAN	8:79	±9.6
0751	AAC AAC	IEEE 802 118x (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.82	±9.6

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10753	AAC	IEEE 802.11ax (160 MHz, MCS18, 90pp duty cycle)	WLAN	9.00	±9.6
10754	AAC	REEE 802.11ex (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	1,9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10756	AAC	EEE 802,11ax (160 MHz, MOS1, 90pc duty cycle)	WLAN	8,77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle) IEEE 802.11ax (160 MHz, MCS3, 98pc duty cycle)	WLAN	8.77	±9.6
10750	AAC	IEEE BOX. 11ax (180 MHz, MCSA, 99pc duty cycle)	WLAN	8.99	±9.6
10760	AAC	IEEE 802.11 ax (166 MHz, MCSS, 99pc duty cycle)	WLAN	6.58 8.49	29.6
10761	AAC	(EEE 802.11ax (150 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10782	AAC	IEEE 802.11ex (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	19.0
10763	AAC	IEEE 802.11ts (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	19.8
10764	AAC	IEEE 800.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	19.6
10785	AAC	IEEE 802.11ax (180 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.0
10768	AAD	5G NR (CP-OFDM, 1 R8, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAD	SG NR (CP-OFDM, 1 RB; 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFOM, 1 RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.00	±8.0
10772	AAD	50 NR (CP-OFDM, 1 R8, 30MHz, GPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAD	5G NR (CP-OFOM, 1 R8, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAD	5G NR (CP-OFDM, 1 R8, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TD0	8.02	±9.6
10775	AAD	5G NR (CP-OFOM, 50% RB, 5MHz, QPSK, 15 kHz)	5G NR FR1 T00	8.01	±9.6
10776	AAD	50 NR (CP-OFOM, 50% RB, 10 MHz, GPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	MAC	5G NR (CP-OFDM, 50% R8, 15MHz, QPSK, 15kHz)	5G NA FR1 TDO	8.30	±9.8
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.34	±9.fi
10779	AAD	5G NR (CP-OFOM, 50% RB, 25 MHz, QPSK, 15 kHz)	50 NR FR1 TD0	8.42	±9.6
10781	AAD	50 NR (CP-OFOM, 50% RB, S0 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.38	±9.0
10762	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	BG NR FR1 TD0	8.38	±9.6
10783	AAE	5G NR (CP-GFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.43	±9,6
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.31	19.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.29	±9.6
10786	AAD	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15 kHz)	5G NR FRI TDD	8.40 8.35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	19.6
10788	AAD	5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)	9G NR FR1 TDD	8.39	±8.6
10.789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.39	19.6
10791	AAE	5G NR (CP-OFOM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 T00	7.83	±9.6
10792	AAD	5G NR (CP-CFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±0.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 2014Hz)	SG NR FR1 TOD	7.95	±9.6
10794	AAD	59 NR (CP-OFOM, 1 RB, 20 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	7.82	±9:0
10795	AAD	90 NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	7.84	±9.6
10796	AAD	5G NR (CP-OFDM, 1 RB, 00 MHz, QPSK, 30 kHz)	5G NR FR1 TD0	7.82	±9:fi
10797	AAD	5G NR (CP-QFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAD	5G NR (CP-QFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAD	5G NR (CP-OFDM, 1 R8, 60 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	7.83	±9.6
10801	AAD	SG NR (CP-OFDM, 1 RB, 80 MHz, CPSK, 30 kHz)	5G NR FR1 TDD	7,89	±9.6
10802	AAD	SG NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7,87	±9.6
10809	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz; QPSK, 30 KHz)	5G NR FR1 TDD	8.34	±9.6
10809	AAD	8G.NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	B,37	±9.8
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	59 NR (CP-0F0M, 50% RB, 60 MHz, QPSK, 30 kHz)	SG NR FR1 TDD SG NR FR1 TDD	8.34	±9.6
10817	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 303Hz)	SG NR FR1 T00	8.35	±9.8
10818	AAD	5G NR (CP-OFOM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±8.6
10819	AAD	50 NR (CP-OFOM, 100% RB, 15 MHz; QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAD	5G NR (CP-OFOM, 100% RB, 20 MHz, QPSK, 30 kHz)	50 NA FRI TOO	8.30	±0.6
10821	AAD	5G NR (CP-QFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	SG NR FRI TOD	8.41	±9.6
10822	AAD	9G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAD	5G NR (OP-OPDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FRI TOD	8.36	±9.6
10824	AAD	SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAD.	5G NR (CF-OFDM, 100% RB, 60MHz, QPSK, 30kHz)	50 NR FR1 TDD	8.41	19.6
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 38 kHz)	5G NR FR1 TOD	8,42	19.6
10828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

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10829	AAD	SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NA FR1 TDD	8.40	±0.6
10830	AAD	6G NR (CP-OFDM, 1 RB, 10 MHz, GPSK, 60 kHz)	56 NA FRI TOD	7.63	19.8
10831	DAA	6G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NA FA1 TDD	7.73	±9.8
10832	AAD	SG NR (CP-OFDM, 1 RB, 20 MHz, GPSK, 60 kHz) SG NR (CP-OFDM, 1 RB, 25 MHz, GPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10834	AAD	SG NR (CP-OFDM, 1 RB, 25 MHz, GPSK, 60 KHz)	53 NR FR1 TDD	7.70	69.6
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	7.75	±9.0
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7,70	19.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	50 NR FR1 T00	7.66	19.6
10839	AAD	50 NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 KHz)	5G NR FR1 TDD	7.68	19.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.70	±8.6
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 80 kHz)	5G NR FRI TOD	7.67	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NA FRI TOD	8.49	±9.6
10844	CAA	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6 ±9.6
10848	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 80 kHz)	50 NR FR1 TDD	8.41	29.6
10854	CAA	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±8.6
10866	AAO	8G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.36	±9.6
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	50 NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	19.6
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	19.6
10859	AAD	SG NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FRI TOD	8.34	±9.6
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FRI TDD	8.41	19.6
10861	AAD	5G NR (CP-OFDM, 100% RB, 60MHz, QPSK, 88 kHz)	5G NR FR1 TDD	8.40	19.6
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FRI TOD	8.41	19.6
10884	AAD	SG NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.8
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 50 kHz)	5G NR FR1 TDD	8.41	T8:0
10866	AAD	50 NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10.868	AAD	50 NR (DFT-e-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	5.89	±9.8
10859	AAE	5G NR (DFT+-OFDM, 1 RB, 100 MHz, QPSK, 120 KHz)	5G NR FR2 TD0	5.78	±9.6
10870	AAE	53 NR (DFT-s-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAE	50 NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10,872	AAE	5G NR (DFT-e-OFDM, 100% RB, 100MHz, 16QAM, 120XHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAE	5G NR (DFT-e-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	SG NR FR2 TOO	0.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 RHz)	5G NR FR2 TDD	6.65	±8.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.5
10876	AAE	SG NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	9G NR FR2 TDD	7,95	±9.6
10878	AAE	50 NR (CP-0FDM, 100% RB, 100 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10880	AAE	SG NR (CP-OFDM, 1 RB, 100MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10881	AAE	5G NR (CP-OFOM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
0882	AAE	5G NR (DFT= OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	SG NR FR2 TOD	5.76	±9.6
0.883	AAE	5G NR (DFT-e-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR (DFT-e-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	6G NR FR2 TDD	5.96	±9.6
0.884	AAE	5G NR (DFT-e-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TOD	8.57	±9.0
10/885	AAE	5G NR (DFTs OFDM, 1 RB, 50 MHz, 54QAM, 120 kHz)	50 NR FR2 TDD	6.53	±9.6
0888	AAE	5G NR (DFTs-OFDM, 100% RB, 50MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.01	±9.6
0887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, DPSK, 120 kHz)	SG NR FR2 TDD	8.65	±9.6
0888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 KHz)	SG NR FR2 TDD	7.78	±9.6
0889	AAE	50 NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	50 NR FRE TOO	8.35	±9.6
0890	AAE	5G NR (CP-OFDM, 100% RB, 50MHz, 16QAM, 120 MHz)	5G NR FR2 TD0	8,02	±9.6
0891	AAE	5G.NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.40 8.13	±9.6
0892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64 DAM, 120 kHz)	5G NR FR2 TDD	8,41	±9.6
0897	AAC	50 NR (DFTs-OFDM, 1 RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
0898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10MHz, QPSK, 30kHz)	5G NR FRI TDD	5.67	
10899	AAB	5G NR (DFT4-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FRI TDO	5.67	±9.6
0900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30kHz)	5G NR FR1 T00	5.68	±9.6
10901	AAB.	5G NR (DFT-a-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0902	AAB	5G NR (DFT-e-OFDM, 1 RB, 30 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0.903	AAB	5G NR (DFT4-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NA FRI TOO	5.88	±9.6
0904	AAB	SG NR (DFT a-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	50 NA FRI TOD	5.88	±9.6
0905	BAA	5G NR (DFTs-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±9.6
0506	BAA	5G NR (OFT-s-OFOM, 1 RB, 80 MHz, QPSK, 30 kHz)	3G NR FRI TOD	5.68	±9.6
0907	AAC	SG NR (DFT-e-OFOM, 50%, RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	19.6
0908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	50 NR FR1 TOD	5.93	19.6
0.000	AAB	50 NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 T00	5.96	19.6
0910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)			

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UID	Hev	Communication System Name	Group	PAR (dB)	Unc E $k=2$
10911	BAA	50 NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT+s-OFDM, 50% RB, 30MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.84	29.6
10913	BAA	SG NR (DFT-e-DFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.6
10914	BAA	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 MHz)	50 NR FR1 TDD	9.85	19.6
10915	AAB	5G NR (DFT-e-OFDM, 50% R8, 50MHz, QPSK, 30 kHz)	59 NR FR1 TOD	6.83	19.6
10916	AAB	5G NR (DFTs-OFDM, 50% RB, 86MHz, QPSK, 30kHz)	5G NH FH1 TDD	5.87	
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSIC 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAC	SG NR (DFT-s-OFDM, 100% RB, SMHz, QPSK, 30kHz)	5G NR FR1 TOD	5.86	±9.6
10919	AAB	5G NR (DFT-a-OFDM, 100%-RB, 10 MHz, QPSK, 30 kHz)		100000	±9.6
10920	AAB	5G NR (DFTs-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.86	±9.6
10921	AAB	5G NR (DFT & OFDM, 100%, RB, 20 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.67	19.6
10922	AAB	5G NR (DFT+-OFDM, 100% RB, 25MHz, QPSK, 30 KHz)	BG NR FR1 TOD	5.84	±9.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 MHz)	5G NR FR1 TDD	5.82	±9.6
10924	AAB		50 NR FRI TOO	5.84	±9.6
10925	AAB	SG NR (DFT-s-OFDM, 100% RB, 40MHz, QPSK, 30 kHz)	SG NR FR1 TOD	5.84	±8.8
10926	AAB	9G NR (DFTs-OFDM, 100% R8, 50MHz, QPSK, 30MHz)	5G NR FRI TOD	5.95	±9.6
10927		5G NR (DFT-s-OFDM, 100% RB, 60MHz, QPSK, 30XHz)	BG NR FR1 TDD	5.84	±9.6
-	AAB	5G NR (DFTs-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NA FR1 FDD	6.52	±9.6
10929	AAC	SG NR (OFT-s-OFDM, 1 RB, 10MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	±9.6
10830	AAC	SG NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 15KHz)	5G NR FR1 FDD	5,52	±9.6
10991	AAC	5G NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±8.0
10932	AAC	50 NR (OFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0933	AAC	5G NR (DFT+-OFDM, 1 R8, 30 MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.51	±9.8
19934	AAC	SG NR (DFT+ OFDM, 1 RB, 40 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAD	5G NR (DFTs-OFDM, 1 R8, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAC	50 NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.8
10937	AAC	SG NR (DFT+-OFDM, 50% AB, 10 MHz, QPSK, 15 kHz)	50 NR FR1 FD0	5.77	±9.6
10938	AAC	5G NR (DFT+-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 F00	5.80	±9.6
0.838	AAC	5G NR (DFT=-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.8
10940	AAC	58 NR (DFT-s-OFDM, 80% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDO	5.89	+9.6
10941	AAC	5G NR (DFT-a-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	50 NR FR1 FD0	5.83	±9.6
10942	AAC	5G NR (DFT-a-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	SG NR FR1 FD0	5.85	+9.8
10943	:AAD	5G NR (DFT a OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	8G NR FRY FDO	5.95	±9.6
0944	AAC	5G NR (DFT-e-OFDM, 100% RB, 5MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.81	49.6
0.945	AAC	59 NR (DFT-a-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.85	±9.0
0946	AAC	5G NR (DFTs-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	6.83	±9.6
0947	AAC	5G NR (DFT-e-OFOM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
0948	AAC	5G NR (DFT-e-OFOM, 100% RB, 25 MHz, QRSK, 15 kHz)	5G NA FR1 FDD	5:94	±9.6
0949	AAC	5G NR (OFT-a-OFOM, 100% RB, 38 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	19.6
0950	AAC	5G NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 15kHz)	50 NR FR1 FDD	5.94	
0951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	19.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.25	±9.6
0953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FRI FDD	8.15	±9.8
0.054	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	Section 1 and 1 an		±9.6
0955	AAA	50 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FD0	8.23	±9.6
0956	AAA	50 NR OL (CP-OFDM, TM 3.1, 5MHz, 84-QAM, 30 kHz)	SG NR FR1 FD0	8.42	±9.6
0957	AAA	5G NR OL (CP-OFDM, TM 3.1, 10 MHz, 84-QAM, 30 kHz)	5G NR FR1 FD0	8.14	±9.6
0'958	AAA	SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 MHz)	5G NR FR1 FDD	6.91	±9.6
0988	AAA	5G NR OL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
0960	AAC	5G NR DL (CP-OFDM, TM 3.1, SMHz, 64-QAM, 154Hz)	5G NR FR1 FDD	9.33	±9.6
0961	AAB	6G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 MHz)	5G NR FR1 TDD	9.32	±9.6
0962	AAB	5G NR DL (CP-CFCM, 1M 3.1, 10 MHz, 64-QAM, 15kHz)	5G NR FRI TDD	9.38	±9.8
0963	AAB	SO NO DI ICO CATALA TASSA DIAMA ALCONA TENTA	5G NR FR1 TDD	9.40	±9.8
0964	AAC	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
0965	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	0.29	±9.6
0966	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	SG NR FR1 TDD	9.37	±9.8
0967	The State of the S	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	93 NR FR1 TDD	9.55	19.6
4.4.4	AAB	50 NR DL (CP-OFOM, TM 8.1, 20MHz, 64-QAM, 30 KHz)	5G NR FR1 TDD	9.42	±9.6
0.968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDO	9.49	±9.6
0972	AAB	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 15kHz)	5G NR FR1 TOD	11.59	±9.6
0973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TD0	9.06	±9.6
0974	AAB	5G NR (CP-QFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10,28	±9.6
0978	AAA	ULLA BOR	ULLA	1.16	±9.6
0979	AAA	ULLA HORA	ULLA	8.58	#9.6
0980	AAA	ULI,A HOR8:	ULLA	10.32	19.6
0981	AAA	ULLA HORps	ULLA	3.19	19.6
0982	AAA:	ULLA HDRp8	ULLA	981.716.	2000

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UID	Rev	Communication System Name	Group	PAR (dB)	Uno" k = 2
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	SG NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	SG NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA.	5G NR DL (CP-QFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TOD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	50 NR FRI TOD	9.33	±9.6
10990	AAA.	5G NR DL (CP-OFDM, TM 3.1, 98 MHz, 64-QAM, 38 kHz)	5G NR FR1 TDD	9.52	±9.6
11000	AAA	8G NR DL (CP-DFDM, TM 3.1, 30 MHz, 64-GAM, 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 TOD	10.73	8.61
11005	AAA.	9G NR DL (CP-DFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11006	AAA.	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±8.6
11007	AAA.	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	SQ NR FR1 FDD	8.46	±9.6
11008	AAA.	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15kHz)	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 BL (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-DFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	±9.6
11012	AAA	5G NR DL (CP-DFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	50 NR FR1 FDD	8.68	±9.6
11013	-AAA	IEEE 802.11be (300 MHz, MCS1, 99pc duty cycle)	WLAN	0.47	±9.0
11014	AAA	IEEE 802,11be (\$20 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.8
11015	AAA	IEEE 802.1 fbe (320 MHz, MCSS, 90pc duty cycle)	WLAN	B.44	19.6
11016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	B.44	+9.6
11017	AAA	IEEE 802.11be (320 MHz, MCSS, 99pc duty cycle)	WLAN	8.41	±8.6
11018	AAA	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.0
11019	AAA	IEEE 802.11be (320 MHz, MCS7, 90pc duty cycle)	WLAN	8.29	±9.6
11080	AAA	IEEE 802,11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	69.8
11021	AAA	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±8.6
1022	AAA	IEEE 802.11be (920 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±8.0
11083	AAA	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.8
11024	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
1025	AAA	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	:AAA:	IEEE 802,11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

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





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

S Swiss Calibration Service

Accreditation No.: SCS 0108

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

Client

HCT

Gyeonggi-do, Republic of Korea

Certificate No.

EX-3797_Jan24

CALIBRATION CERTIFICATE 484 EX3DV4 - SN:3797 Object 10.24.02.01 2024.02.01 QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6, Calibration procedure(s) QA CAL-25.v8 Calibration procedure for dosimetric E-field probes January 23, 2024 Calibration date This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate. All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3) °C and humidity < 70%. Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249_Oct23)	Oct-24
OCP DAK-12	SN: 1016	05-Oct-23 (OCP-DAK12-1016_Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660_Mar23)	Mar-24
Reference Probe EX3DV4	SN: 7349	03-Nov-23 (No. EX3-7349 Nov23)	Nov-24

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

	Name	Function	Signature
Calibrated by	Joanna Lleshaj	Laboratory Technician	Applesty
Approved by	Sven Kühn	Technical Manager	SAS
		full without written approval of the lab	Issued: January 23, 2024

Certificate No: EX-3797_Jan24

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Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kallbrierdienst

Service suisse d'étalonnage C Servizio svizzero di taratura

Swiss Calibration Service

Accreditation No.: SCS 0108

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

Glossary

TSL NORMx,y,z ConvE

tissue simulating liquid sensitivity in free space sensitivity in TSL / NORMx,y,z diade compression point

DCP CE

crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

A. B. C. D Polarization φ

 φ rotation around probe axis

Polarization 0

 ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is

normal to probe axis

Connector Angle Information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E2-field uncertainty inside TSL (see below ConvF)
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx, y,z * ConvF whereby the uncertainty corresponds to that given for CanvF. A frequency dependent CanvF is used in DASY version 4.4 and higher which allows extending the validity from ±50 MHz to ±100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- · Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

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Parameters of Probe: EX3DV4 - SN:3797

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (µV/(V/m) ²) A	0.60	0.58	0.56	±10.1%
DCP (mV) B	99.3	99.0	99.5	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	129.4	±0.8%	±4.7%
-	0.000	Y	0.00	0.00	1.00		133.4		
		Z	0.00	0.00	1.00		122.9		
10352	Pulse Waveform (200Hz; 10%)	X	88.00	112.00	27.00	10.00	60.0	±2.9%	±9.6%
	50 50 50	Y	20.00	90.92	20.51	1	60.0		
		Z	20.00	92.76	21.67		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	96.23	22.63	6.99	80.0	±1.4%	±9.6%
		Y	20.00	92.59	20.36		80.0	WE AT	
		Z	20.00	94.96	21.62		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	102.39	24.26	3.98	95.0	±1.0%	±9.6%
10004 11000	Colores and Colore	Y	20.00	97.56	21.57	10000000	95.0		-548658
		7	20.00	99.62	22.45	·	95.0		000001
10355	Pulse Waveform (200Hz, 60%)	X	20.00	111.86	27.29	2.22	120.0	±0.9%	±9.6%
		Y	20.00	105.57	24.10		120.0		
		Z	20.00	104.66	23.37		120.0		
10387	QPSK Waveform, 1 MHz	X	1.80	67.25	15.78	1.00	150.0	±2.4%	±9.6%
1000		Y	1.79	67.42	15.79	935	150.0		
		2	1.62	65.69	14.59		150.0	1	
10388	QPSK Waveform, 10 MHz	X	2.41	69.27	16.50	0.00	150.0	±0.9%	±9.6%
		Y	2.39	69.18	16.49	10,000	150.0	10000000	
		7	2.16	67.40	15.36		150.0		
10396	64-QAM Waveform, 100 kHz	X	2.99	70.45	19.02	3.01	150.0	±0.8%	±9.6%
		Y	2.64	68.79	18.32		150.0		
		Z	2.71	68.89	18.07		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.65	67.76	16.21	0.00	150.0	±1.1%	±9.6%
17 E S E S		Y	3.65	67.71	16.21		150.0		-300
		2	3.51	66.98	15.67		150.0	1	
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.82	65.42	15.52	0.00	150.0	±2.5%	±9.6%
A 400 E		Y	4.81	65.43	15.54	100000000000000000000000000000000000000	150.0	100000000000000000000000000000000000000	
		Z	4.89	65.71	15.57		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%.

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

B Uneartation 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:3797

Sensor Model Parameters

	C1 fF	C2 fF	ν-1	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V-2	T5 V-1	T6
×	46.9	352.12	35.93	15.92	0.18	5.10	0.43	0.41	1.01
y.	44.2	333.29	36.23	16.35	0.00	5.08	0.17	0.36	1.01
Z	44.2	333.83	36.22	13.45	0.11	5.10	0.50	0.36	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	67.1*
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	.t 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:3797

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 (k = 2)
150	52.3	0.76	11.02	11.02	11.02	0.00	1.25	±13.3%
450	43.5	0.87	10.53	10.53	10.53	0.16	1.30	±13.3%
750	41.9	0.89	9.34	8.84	8.75	0.41	1.27	±12.0%
835	41.5	0.90	8.88	8.59	8.40	0.40	1.27	±12.0%
900	41.5	0.97	8.64	8.35	8.53	0.39	1.27	±12.0%
1450	40.5	1,20	8.26	7.90	7.86	0.53	1.27	±12.0%
1750	40.1	1.37	8.17	7.77	7.85	0.29	1.27	±12.0%
1900	40.0	1.40	7,84	7.51	7.51	0.30	1.27	±12.0%
2300	39.5	1.67	7.49	7.24	7.21	0.32	1.27	±12.09
2450	39.2	1.80	7.41	7.17	7.14	0.31	1.27	±12.0%
2600	39.0	1.96	7.34	7.07	7.07	0.31	1.27	±12.0%
4400	36.9	3.84	6.33	6.16	6.21	0.38	1.27	±14.0%
4600	36.7	4.04	6.21	6.02	6.07	0.39	1,27	±14.0%
4800	36.4	4.25	6.15	5.98	6.03	0.38	1.27	±14.09
4950	36.3	4.40	5.93	5.73	5.79	0.43	1.36	±14.09

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 CorvF 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 CorvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of CorvF assessed at 6 MHz is 4-9 MHz, and CorvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

The probes are calibrated using tissue simulating liquids (TSL) that deviate for a and or by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10 M. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1%.

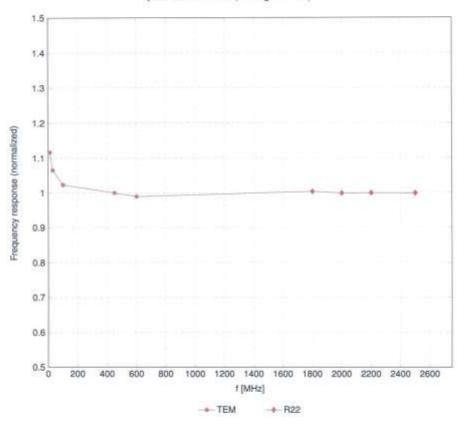
for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

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



Frequency Response of E-Field

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



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

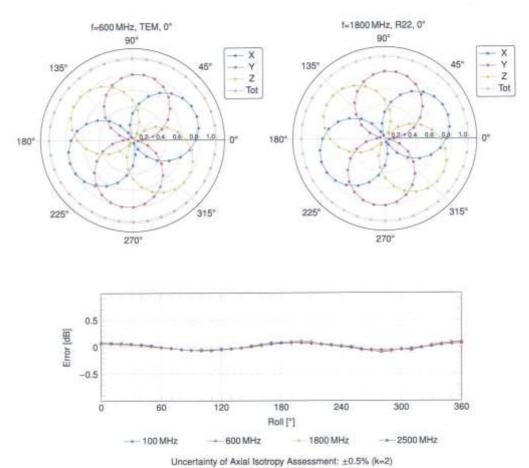
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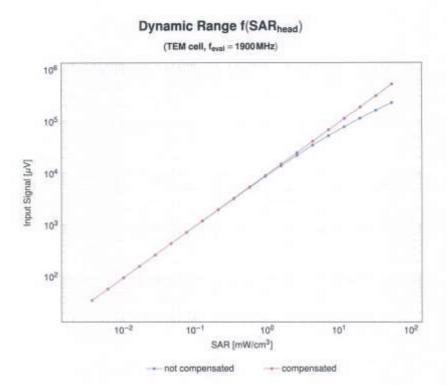
Receiving Pattern (ϕ), $\theta = 0^{\circ}$

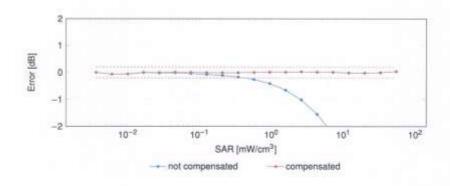


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Uncertainty of Linearity Assessment: ±0.6% (k=2)

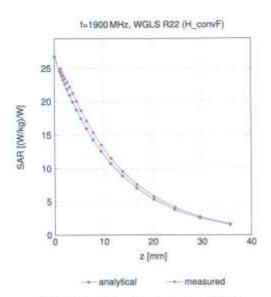
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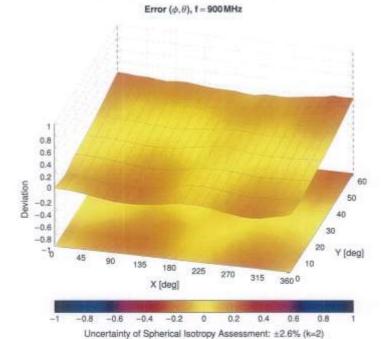
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Conversion Factor Assessment



Deviation from Isotropy in Liquid



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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	UncE K = 2
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
0011	CAC	UMTS-FDD (WCDMA)	WCDMA	2,91	±9.6
0012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	19.6
0013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9,46	±9.6
0021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
0023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	19.6
0024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
0025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, BPSK, TN 0-1)	GSM	9.55	±9.6
0027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
0028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
0029	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	19.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	19.6
10.032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	19.6
0033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluelooth (PV4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802-15.1 Bluetooth (PV4-DQPSK, DH5)	Bluetooth	3.83	±9.6
0036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802 15 1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mops)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10069	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (OSSS, 11 Mbps)	WLAN	3.60	19.6
10062	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.88	±9.6
10063	CAE	IEEE 802.11a/h WIFI 5 GHz (OFOM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAE	IEEE 802.11a/h WFI 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAE	IEEE 802.11a/h WFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10068	CAE	IEEE 802 11a/h WFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	19.6
10067	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	19.6
10068	CAE	IEEE 802.11mh WIFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAE	IEEE 802 11a/h WFI 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	19.6
10071	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	19.6
10072	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	19.6
10073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	19.6
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 WFI 2.4 GHz (DSSS/OFDM, 56 Mig)s)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 46 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RG3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-138 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	19.6
10090	DAC	GPRS-FDO (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	19.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	19.6
0099	DAC	EDGE-FDO (TDMA, 8PSK, TN (I-4)	GSM	9.55	1000000
0100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
0101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FOO	6.42	19.6
0102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
0103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, QPSK)	LTE-TDD	9.29	19.6
0104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20MHz, GF-SK)	LTE-TDD	9.29	
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TOD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)			±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10MHz, 18-QAM)	LTE-FDD	5.90	±9.6
		LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-FDD	6.43 5.75	±9.6
10110	CAH				

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UID	Rev	Communication System Name	Group	PAR (dB)	Uno ^E k = 2
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FOO	6.59	±9,6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	19.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 15-QAM)	WLAN	8.46	±9.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	B.15	±9.6
10117	CAE	IEEE 802.11rr (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 61 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FOD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-FDD	5.76	19.6
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, 1.4MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FOD	6.60	±9.6
10151	CAH	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TOD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TOD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% R8, 20 MHz, 64-QAM)	LTE-TOD	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% R8, 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, 5MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10MHz, 84-QAM)	LTE-FDO	6.62	±9.6
10159	CAH	LTE-FDO (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-FDO (SC-FDMA, 50% RB, 15 MHz, 18-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FOD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-F00	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.8
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-F00	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 84-QAM)	LTE-TOD	9.21	19.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TOO	9.48	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TOD	10.25	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64 QAM)	LTE-FDD	5.72	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	6.52	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-FDD	6.50	±9.6
	CAF	The second secon	LTE-FDO	5.72	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FD0	0.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 14-QAM)	LTE-FDD	6.50	19.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	- Annabara de la compansa del la compansa de la com	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-FOD	6.51	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-FOD	6.50	±9.6
10187	-	LTE-FOD (SC-FOMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188		LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	-	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10 193	_	IEEE 802,11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194		IEEE 802.11n (HT Greenfield, 38 Mbps, 16-QAM)	WLAN	8.12	±9.0
10195		IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196	_	IEEE 802,11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	10 to 20 to	EEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198		IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	-	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220		IEEE 802,11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221		IEEE 802.1 tn (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	-	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	19.6
10223	The state of the s	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
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