

Appendix F. – Probe Calibration Data

**Calibration Laboratory of
Schmid & Partner
Engineering AG**

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
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S Swiss Calibration Service

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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

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

Certificate No. **ES-3076_Jul25**

CALIBRATION CERTIFICATE

Object ES3DV3 - SN:3076

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

Calibration date July 22, 2025

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

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

Calibration Equipment used (MATE critical for calibration)

Primary Standards	ID	Calibration Date (Certificate No.)	Sched. Cal.
Power Sensor R&S NRP-33T	SN: 100967	26-Mar-25 (No. Z17-04290)	Mar-25
N-type mismatch combination	SN: L1110	26-Mar-25 (No. Z17-04292)	Mar-25
OCF DAK-12	SN: 1016	24-Sep-24 (No. OCF-DAK12-1016_Sep24)	Sep-25
OCF DAK-3.5	SN: 1249	25-Sep-24 (No. OCF-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-25
DAE4	SN: 1301	07-Nov-24 (No. DAE4-1301_Nov24)	Nov-25

Secondary Standards	ID	Check Date (in hours)	Sched. Check
ACAP 2020 Setup 1	SN: L1404	30-Sep-24 (No. Report_ACAP2020E-Corr_20240930s)	Sep-25
OCF DAK-12	SN: 1029	27-Feb-25 (No. OCF-DAK12-1029_Feb25)	Feb-26
OCF DAK-3.5	SN: 1336	09-Dec-24 (No. OCF-DAK3.5-1336_Dec24)	Dec-25

	Name	Function	Signature
Calibrated by	Joanna Linshaj	Laboratory Technician	
Approved by	Bern Kuhn	Technical Manager	
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.			

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Glossary

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- $NORM_{x,y,z}$: Assessed for E-field polarization $\theta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1500$ MHz: R22 waveguide). $NORM_{x,y,z}$ are only intermediate values, i.e., the uncertainties of $NORM_{x,y,z}$ does not affect the E^2 -field uncertainty inside TSL (see below ConvF).
- $NORM(f)_{x,y,z} = NORM_{x,y,z} \cdot frequency_response$ (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- $DCP_{x,y,z}$: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- $A_{x,y,z}, B_{x,y,z}, C_{x,y,z}, D_{x,y,z}, VR_{x,y,z}$: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to $NORM_{x,y,z} \cdot ConvF$ whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the $NORM_{x,y,z}$ (no uncertainty required).

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Parameters of Probe: ES3DV3 - SN:3076

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ($\mu V/(V/m)^2$) ^A	1.30	1.26	1.20	±10.1%
DCP (mV) ^B	103.5	102.4	102.1	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB $\sqrt{\mu V}$	C	D dB	VR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	148.1	±1.2%	±4.7%
		Y	0.00	0.00	1.00		148.9		
		Z	0.00	0.00	1.00		139.1		
10352	Pulse Waveform (200Hz, 10%)	X	12.02	85.03	22.98	10.00	60.0	±1.7%	±9.6%
		Y	14.04	87.52	23.57		60.0		
		Z	14.18	87.81	23.47		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	93.81	24.27	6.99	80.0	±2.1%	±9.6%
		Y	20.00	93.28	23.76		80.0		
		Z	20.00	93.33	23.62		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	95.06	22.91	3.98	95.0	±3.0%	±9.6%
		Y	20.00	94.43	22.96		95.0		
		Z	20.00	94.60	22.34		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	97.78	22.54	2.22	120.0	±3.1%	±9.6%
		Y	20.00	98.51	21.87		120.0		
		Z	20.00	97.06	21.89		120.0		
10387	QPSK Waveform, 1 MHz	X	1.89	66.53	15.53	1.00	150.0	±2.5%	±9.6%
		Y	1.65	65.15	14.49		150.0		
		Z	1.73	65.79	14.91		150.0		
10388	QPSK Waveform, 10 MHz	X	2.53	69.38	16.21	0.00	150.0	±1.1%	±9.6%
		Y	2.18	67.37	15.18		150.0		
		Z	2.31	68.25	15.65		150.0		
10396	64-QAM Waveform, 100 kHz	X	4.58	76.58	21.64	3.01	150.0	±0.8%	±9.6%
		Y	3.62	72.56	19.64		150.0		
		Z	3.96	74.40	20.69		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.60	67.31	15.82	0.00	150.0	±1.6%	±9.6%
		Y	3.50	68.92	15.56		150.0		
		Z	3.59	67.36	15.80		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	5.03	65.70	15.53	0.00	150.0	±3.5%	±9.6%
		Y	4.94	65.62	15.45		150.0		
		Z	4.82	65.20	15.26		150.0		

Note: For details on UID parameters see Appendix

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

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

^B Uncertainty 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 values.

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Sensor Model Parameters

	C1 IF	C2 IF	α $^{\circ}$	T1 $ms V^{-2}$	T2 $ms V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
x	64.7	465.01	35.39	29.60	3.06	5.10	1.17	0.51	1.02
y	55.9	404.48	35.73	29.35	2.85	5.10	1.01	0.50	1.01
z	56.8	408.71	35.49	28.62	2.57	5.10	1.13	0.47	1.02

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-38.6°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

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Parameters of Probe: ES3DV3 - SN:3076

Calibration Parameter Determined in HSL

f (MHz) [□]	Relative Permittivity [Ⓣ]	Conductivity [Ⓣ] (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha [Ⓢ]	Depth [Ⓢ] (mm)	Unc [Ⓢ] (k = 2)
6	55.0	0.75	4.96	5.18	5.52	0.00	2.00	±13.3%
13	55.0	0.75	5.47	5.71	6.09	0.00	2.00	±13.3%
750	41.9	0.89	5.68	5.95	5.98	0.33	2.18	±11.0%
835	41.5	0.90	5.57	5.84	5.87	0.33	2.18	±11.0%
900	41.5	0.97	5.50	5.77	5.80	0.33	2.18	±11.0%
1750	40.1	1.37	4.87	5.11	5.13	0.32	2.18	±11.0%
1900	40.0	1.40	4.72	4.95	4.98	0.32	2.00	±11.0%
2000	39.5	1.67	4.54	4.76	4.78	0.31	1.86	±11.0%
2450	39.2	1.80	4.44	4.66	4.68	0.31	1.83	±11.0%
2600	39.0	1.96	4.29	4.50	4.52	0.31	2.16	±11.0%

[□] Frequency validity above 300 MHz of a 100 MHz only applies for DASV v4.4 and higher (see Page 8), 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 75 MHz for ConvF assessments at 30, 64, 128, 150 and 200 MHz respectively. Validity of ConvF assessed at 8 MHz is 4–9 MHz, and ConvF assessed at 10 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to a 150 MHz.

[Ⓣ] The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ' and σ by less than ±1% from the target values (typically better than ±0.5%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

[Ⓢ] 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.

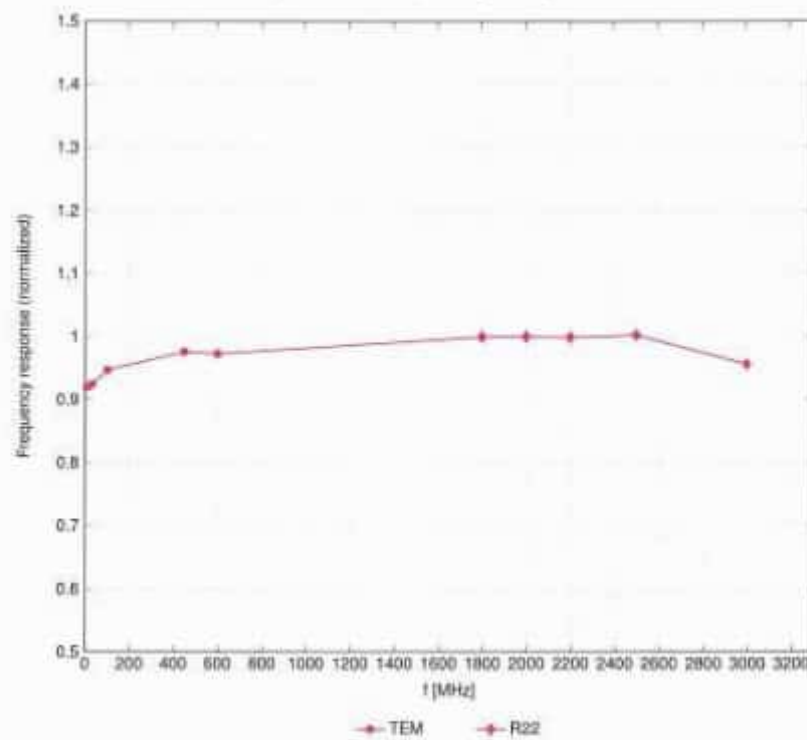
[Ⓢ] The stated uncertainty is the total calibration uncertainty (k = 2) of Norm ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1828:2000.

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Frequency Response of E-Field

(TEM-Cell:R1110 EXX, Waveguide:R22)



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

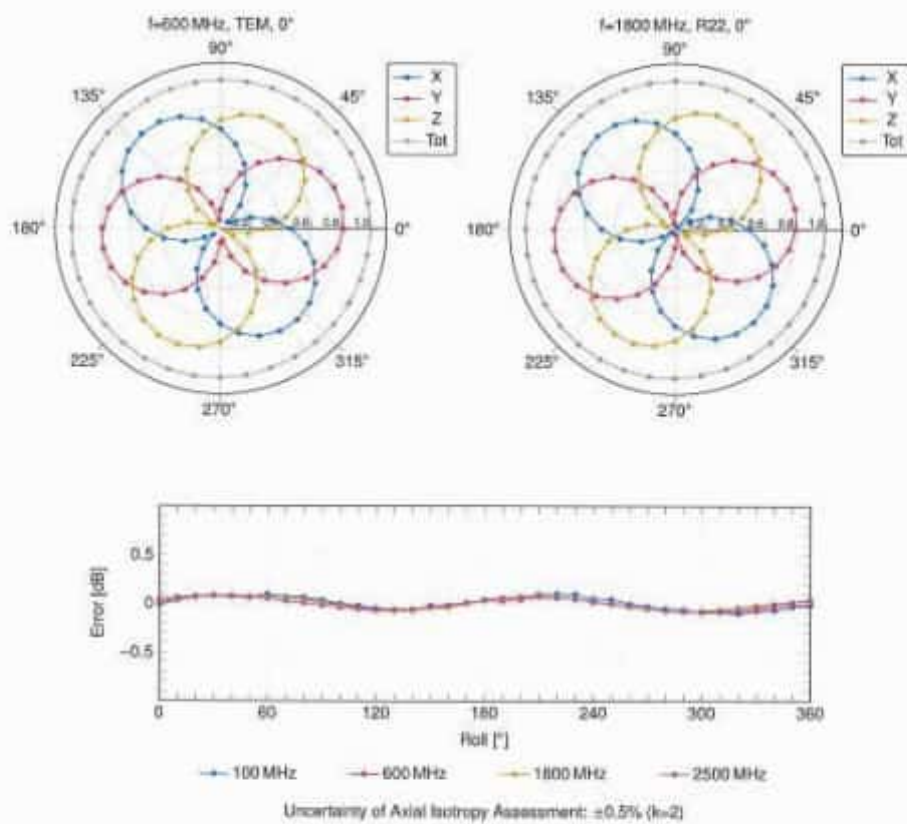
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Receiving Pattern (ϕ), $\theta = 0^\circ$



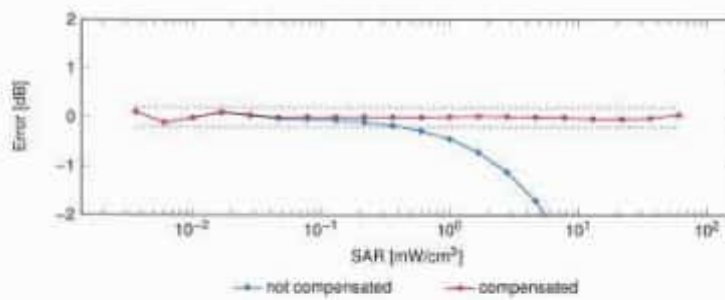
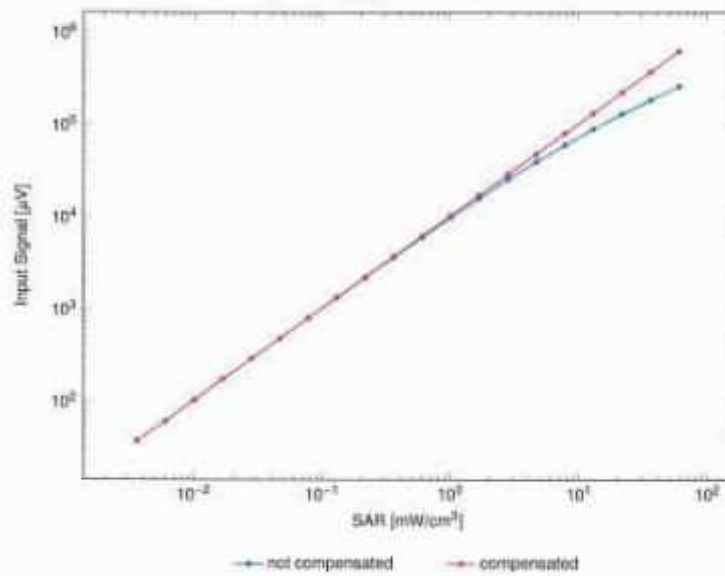
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Dynamic Range f(SAR_{HSL})

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

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

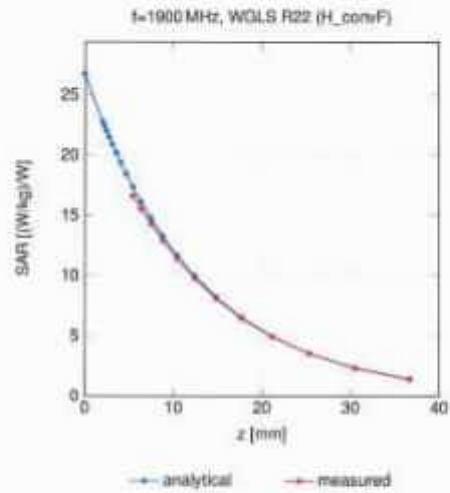
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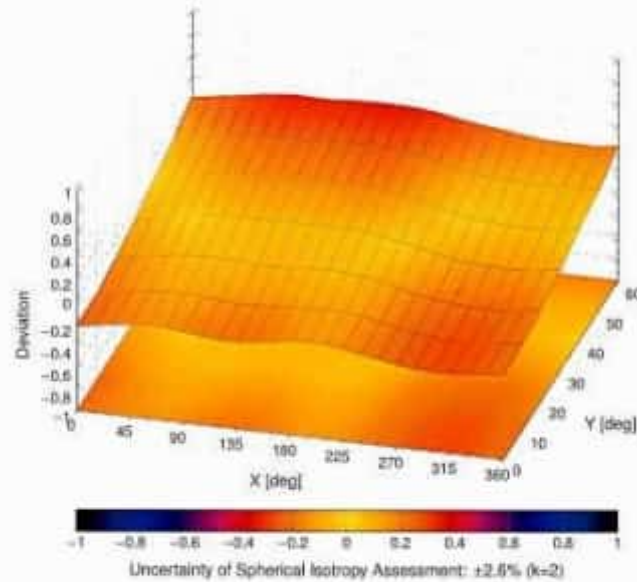
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Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), $f = 900 \text{ MHz}$



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Appendix: Modulation Calibration Parameters

OID	Rev	Communication System Name	Group	PAR (dB)	Unc ¹ k = 2
10000	0	CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±0.0
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.31	±0.0
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±0.0
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	0.46	±0.0
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	0.39	±0.0
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	0.27	±0.0
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	0.56	±0.0
10025	DAC	EDGE-FDD (TDMA, GMSK, TN 0)	GSM	12.62	±0.0
10026	DAC	EDGE-FDD (TDMA, GMSK, TN 0-1)	GSM	0.35	±0.0
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±0.0
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.35	±0.0
10029	DAC	EDGE-FDD (TDMA, GMSK, TN 0-1-2)	GSM	7.76	±0.0
10030	CAA	IEEE 802.15.1 Bluetooth (QPSK, DH1)	Bluetooth	0.30	±0.0
10031	CAA	IEEE 802.15.1 Bluetooth (QPSK, DH2)	Bluetooth	1.87	±0.0
10032	CAA	IEEE 802.15.1 Bluetooth (QPSK, DH3)	Bluetooth	1.16	±0.0
10033	CAA	IEEE 802.15.1 Bluetooth (P4-QPSK, DH1)	Bluetooth	7.74	±0.0
10034	CAA	IEEE 802.15.1 Bluetooth (P4-QPSK, DH2)	Bluetooth	4.53	±0.0
10035	CAA	IEEE 802.15.1 Bluetooth (P4-QPSK, DH3)	Bluetooth	3.83	±0.0
10036	CAA	IEEE 802.15.1 Bluetooth (8-QPSK, DH1)	Bluetooth	0.31	±0.0
10037	CAA	IEEE 802.15.1 Bluetooth (8-QPSK, DH2)	Bluetooth	4.77	±0.0
10038	CAA	IEEE 802.15.1 Bluetooth (8-QPSK, DH3)	Bluetooth	4.10	±0.0
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.37	±0.0
10040	CAB	IS-64 / IS-136 FDD (TDMA-FDM, P4-QPSK, Fullrate)	AMPS	7.70	±0.0
10044	CAA	IS-95A/TIA-653 FDD (FDMA, FM)	AMPS	0.00	±0.0
10048	CAA	DECT (TDD, TDMA-FDM, QPSK, Full Slot, 24)	DECT	13.80	±0.0
10049	CAA	DECT (TDD, TDMA-FDM, QPSK, Double Slot, 12)	DECT	10.70	±0.0
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mbps)	TD-SCDMA	11.31	±0.0
10058	DAC	EDGE-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	0.52	±0.0
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±0.0
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.45	±0.0
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.00	±0.0
10062	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	0.00	±0.0
10063	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	0.03	±0.0
10064	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	0.00	±0.0
10065	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	0.00	±0.0
10066	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	0.00	±0.0
10067	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±0.0
10068	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±0.0
10069	CAE	IEEE 802.11a WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.06	±0.0
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	0.00	±0.0
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	0.02	±0.0
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	0.04	±0.0
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±0.0
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±0.0
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±0.0
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±0.0
10081	CAB	CDMA2000 (1xRTT, RC2)	CDMA2000	3.97	±0.0
10082	CAB	IS-64 / IS-136 FDD (TDMA-FDM, P4-QPSK, Fullrate)	AMPS	4.77	±0.0
10086	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	0.56	±0.0
10087	CAC	UMTS-FDD (HSDPA)	WCDMA	3.90	±0.0
10088	CAC	UMTS-FDD (HSDPA, Subrate 2)	WCDMA	3.90	±0.0
10089	DAC	EDGE-FDD (TDMA, GMSK, TN 0-4)	GSM	0.35	±0.0
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.47	±0.0
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	0.40	±0.0
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	0.40	±0.0
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	0.20	±0.0
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	0.97	±0.0
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.31	±0.0
10106	CAH	LTE-FDD (SC-FDMA, 100% RB, 13 MHz, QPSK)	LTE-FDD	5.80	±0.0
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 13 MHz, 16-QAM)	LTE-FDD	0.40	±0.0
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±0.0
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	0.44	±0.0

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LRD	Rev	Communication System Name	Group	PAR (dB)	Unc ² k = 2
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	8.38	±0.5
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	8.82	±0.5
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, 8PSK)	WLAN	8.10	±0.5
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±0.5
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±0.5
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, 8PSK)	WLAN	8.97	±0.5
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.38	±0.5
10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±0.5
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.46	±0.5
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±0.5
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±0.5
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±0.5
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.85	±0.5
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±0.5
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±0.5
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±0.5
10148	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.48	±0.5
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.80	±0.5
10151	CAH	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	9.28	±0.5
10152	CAH	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	9.32	±0.5
10153	CAH	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	10.81	±0.5
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.75	±0.5
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±0.5
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.79	±0.5
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.48	±0.5
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.62	±0.5
10159	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.56	±0.5
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.80	±0.5
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±0.5
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±0.5
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±0.5
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±0.5
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.70	±0.5
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±0.5
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.50	±0.5
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±0.5
10172	CAH	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	9.21	±0.5
10173	CAH	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	9.48	±0.5
10174	CAH	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	10.25	±0.5
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±0.5
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.50	±0.5
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.73	±0.5
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±0.5
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.60	±0.5
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.30	±0.5
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±0.5
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±0.5
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±0.5
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±0.5
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±0.5
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±0.5
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±0.5
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±0.5
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±0.5
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±0.5
10190	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, 8PSK)	WLAN	8.38	±0.5
10194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±0.5
10195	CAE	IEEE 802.11n (HT Greenfield, 85 Mbps, 64-QAM)	WLAN	8.21	±0.5
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, 8PSK)	WLAN	8.10	±0.5
10197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±0.5
10198	CAE	IEEE 802.11n (HT Mixed, 85 Mbps, 64-QAM)	WLAN	8.27	±0.5
10219	CAE	IEEE 802.11n (HT Mixed, 2.2 Mbps, 8PSK)	WLAN	8.35	±0.5
10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±0.5
10221	CAE	IEEE 802.11n (HT Mixed, 72.3 Mbps, 64-QAM)	WLAN	8.27	±0.5
10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, 8PSK)	WLAN	8.06	±0.5
10223	CAE	IEEE 802.11n (HT Mixed, 30 Mbps, 16-QAM)	WLAN	8.48	±0.5
10224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.38	±0.5

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10225	CAC	UMTS-FDD (HSPA+)	WCDMA	9.97	±0.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM)	LTE-TDD	9.49	±0.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-TDD	10.26	±0.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-TDD	9.22	±0.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.49	±0.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±0.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±0.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.49	±0.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±0.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.21	±0.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.49	±0.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±0.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±0.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.49	±0.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±0.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±0.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 16-QAM)	LTE-TDD	9.42	±0.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM)	LTE-TDD	9.46	±0.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, QPSK)	LTE-TDD	9.46	±0.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±0.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±0.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±0.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	9.31	±0.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.39	±0.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.29	±0.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.31	±0.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±0.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±0.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.30	±0.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.14	±0.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.20	±0.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 16-QAM)	LTE-TDD	9.36	±0.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, 64-QAM)	LTE-TDD	10.08	±0.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-TDD	9.34	±0.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.36	±0.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±0.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±0.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.83	±0.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	10.16	±0.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.23	±0.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.32	±0.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±0.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±0.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	10.06	±0.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.13	±0.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.36	±0.6
10274	CAC	UMTS-FDD (HSPA, Subnet 5, SCPP Auth, 10)	WCDMA	4.87	±0.6
10275	CAC	UMTS-FDD (HSPA, Subnet 5, SCPP Auth, 4)	WCDMA	3.96	±0.6
10277	CAA	PHS (GPRS)	PHS	11.81	±0.6
10278	CAA	PHS (GPRS, BW 804MHz, Rate 6.5)	PHS	12.19	±0.6
10279	CAA	PHS (GPRS, BW 804MHz, Rate 6.38)	PHS	12.19	±0.6
10280	AAB	CDMA2000, PC1, 3.1MHz, Full Rate	CDMA2000	3.91	±0.6
10281	AAB	CDMA2000, PC3, 3.1MHz, Full Rate	CDMA2000	3.46	±0.6
10282	AAB	CDMA2000, PC3, 3.1MHz, Full Rate	CDMA2000	3.39	±0.6
10283	AAB	CDMA2000, PC3, 3.1MHz, Full Rate	CDMA2000	3.20	±0.6
10284	AAB	CDMA2000, PC1, 3.1MHz, Full Rate	CDMA2000	3.40	±0.6
10285	AAB	CDMA2000, PC1, 3.1MHz, Full Rate	CDMA2000	3.40	±0.6
10286	AAB	CDMA2000, PC1, 3.1MHz, Full Rate	CDMA2000	3.40	±0.6
10287	AAB	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.81	±0.6
10288	AAB	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±0.6
10289	AAB	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	5.39	±0.6
10290	AAB	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.00	±0.6
10301	AAA	IEEE 802.11a WIMAX (20-18, 5ms, 10 MHz, QPSK, PUSC)	WIMAX	12.03	±0.6
10302	AAA	IEEE 802.11a WIMAX (20-18, 5ms, 10 MHz, QPSK, PUSC, 5 CTRL symbols)	WIMAX	12.57	±0.6
10303	AAA	IEEE 802.11a WIMAX (21-15, 5ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	±0.6
10304	AAA	IEEE 802.11a WIMAX (20-18, 5ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.86	±0.6
10305	AAA	IEEE 802.11a WIMAX (21-15, 10ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	13.24	±0.6
10306	AAA	IEEE 802.11a WIMAX (20-18, 10ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	14.67	±0.6

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10307	AAA	IEEE 802.16e WMAN (2016, 10 ms, 13 MHz, QPSK, PUSC, 18 symbols)	WMAN	14.46	+9.5
10308	AAA	IEEE 802.16e WMAN (2016, 10 ms, 13 MHz, 16QAM, PUSC)	WMAN	14.46	+9.5
10309	AAA	IEEE 802.16e WMAN (2016, 10 ms, 13 MHz, 16QAM, AMC 2x3, 18 symbols)	WMAN	14.58	+9.5
10310	AAA	IEEE 802.16e WMAN (2016, 10 ms, 13 MHz, QPSK, AMC 2x3, 18 symbols)	WMAN	14.57	+9.5
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	+9.5
10313	AAA	IDEN 1.3	IDEN	10.51	+9.5
10314	AAA	IDEN 1.6	IDEN	13.48	+9.5
10315	AAB	IEEE 802.11a WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	+9.5
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	+9.5
10317	AAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	+9.5
10352	AAA	Pulse Waveform (20MHz, 10%)	General	10.00	+9.5
10353	AAA	Pulse Waveform (20MHz, 20%)	General	8.89	+9.5
10354	AAA	Pulse Waveform (20MHz, 40%)	General	3.98	+9.5
10355	AAA	Pulse Waveform (20MHz, 60%)	General	2.82	+9.5
10356	AAA	Pulse Waveform (20MHz, 80%)	General	0.87	+9.5
10387	AAA	QPSK Waveform, 1 MHz	General	5.10	+9.5
10388	AAA	QPSK Waveform, 10 MHz	General	5.32	+9.5
10389	AAA	64-QAM Waveform, 100 kHz	General	6.27	+9.5
10389	AAA	64-QAM Waveform, 40 MHz	General	6.27	+9.5
10400	AAF	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 96pc duty cycle)	WLAN	8.37	+9.5
10401	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 96pc duty cycle)	WLAN	8.60	+9.5
10402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 96pc duty cycle)	WLAN	8.53	+9.5
10403	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.76	+9.5
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	+9.5
10406	AAB	CDMA2000, RCD, SCSS, SCHD, Full Rate	CDMA2000	5.22	+9.5
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Cont=6)	LTE-TDD	7.82	+9.5
10414	AAA	WLAN CCK 64-QAM, 48 MHz	General	8.54	+9.5
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.54	+9.5
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	9.23	+9.5
10417	AAE	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.23	+9.5
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 96pc duty cycle, Long preamble)	WLAN	8.14	+9.5
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 96pc duty cycle, Short preamble)	WLAN	8.19	+9.5
10422	AAE	IEEE 802.11n HT Greenfield, 7.2 Mbps, BPSK	WLAN	8.32	+9.5
10423	AAE	IEEE 802.11n HT Greenfield, 6.3 Mbps, 16-QAM	WLAN	8.47	+9.5
10424	AAE	IEEE 802.11n HT Greenfield, 7.2 Mbps, 64-QAM	WLAN	8.40	+9.5
10425	AAE	IEEE 802.11n HT Greenfield, 15 Mbps, BPSK	WLAN	8.41	+9.5
10426	AAE	IEEE 802.11n HT Greenfield, 30 Mbps, 16-QAM	WLAN	8.45	+9.5
10427	AAE	IEEE 802.11n HT Greenfield, 150 Mbps, 64-QAM	WLAN	8.41	+9.5
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	+9.5
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.30	+9.5
10432	AAE	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	+9.5
10433	AAE	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	+9.5
10434	AAE	WCDMA (BS Test Model) 1, 3.4 DPCCH	WCDMA	8.60	+9.5
10435	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	+9.5
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.96	+9.5
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.99	+9.5
10449	AAE	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.91	+9.5
10450	AAE	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	+9.5
10451	AAE	WCDMA (BS Test Model) 1, 3.4 DPCCH, Clipping 44%	WCDMA	7.99	+9.5
10452	AAE	Validation (Squares, 10 ms, 1 ms)	Test	18.00	+9.5
10456	AAE	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 96pc duty cycle)	WLAN	8.63	+9.5
10457	AAE	UMTS-FDD (DC-HSDPA)	WCDMA	8.82	+9.5
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	8.35	+9.5
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.35	+9.5
10460	AAE	UMTS-FDD (WCDMA, AMR)	WCDMA	8.38	+9.5
10461	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	+9.5
10462	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	+9.5
10463	AAE	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	+9.5
10464	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	+9.5
10465	AAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	+9.5
10466	AAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	+9.5
10467	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	+9.5
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	+9.5
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	+9.5
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	+9.5
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	+9.5

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10472	AAQ	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±0.3
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.3
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.3
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.3
10477	AAQ	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.3
10478	AAQ	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.3
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.3
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.16	±0.3
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.46	±0.3
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±0.3
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±0.3
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±0.3
10485	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.58	±0.3
10486	AAQ	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±0.3
10487	AAQ	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±0.3
10488	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±0.3
10489	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±0.3
10490	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.3
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.3
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±0.3
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±0.3
10494	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.3
10495	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±0.3
10496	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.3
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.57	±0.3
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±0.3
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.88	±0.3
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.87	±0.3
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±0.3
10502	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.3
10503	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±0.3
10504	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±0.3
10505	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.3
10506	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.3
10507	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±0.3
10508	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±0.3
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.86	±0.3
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.46	±0.3
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±0.3
10512	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.3
10513	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±0.3
10514	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.46	±0.3
10515	AAA	IEEE 802.11n WiFi 2.4 GHz (DSSS, 3 Mbps, 80% duty cycle)	WLAN	1.58	±0.3
10516	AAA	IEEE 802.11n WiFi 2.4 GHz (DSSS, 5.5 Mbps, 80% duty cycle)	WLAN	1.57	±0.3
10517	AAA	IEEE 802.11n WiFi 2.4 GHz (DSSS, 11 Mbps, 80% duty cycle)	WLAN	1.56	±0.3
10518	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps, 80% duty cycle)	WLAN	8.23	±0.3
10519	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 80% duty cycle)	WLAN	8.30	±0.3
10520	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps, 80% duty cycle)	WLAN	8.12	±0.3
10521	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 80% duty cycle)	WLAN	7.87	±0.3
10522	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps, 80% duty cycle)	WLAN	8.45	±0.3
10523	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 80% duty cycle)	WLAN	8.68	±0.3
10524	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps, 80% duty cycle)	WLAN	8.27	±0.3
10525	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 80% duty cycle)	WLAN	8.36	±0.3
10526	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 80% duty cycle)	WLAN	8.42	±0.3
10527	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 80% duty cycle)	WLAN	8.21	±0.3
10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 80% duty cycle)	WLAN	8.36	±0.3
10529	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 80% duty cycle)	WLAN	8.36	±0.3
10531	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 80% duty cycle)	WLAN	8.43	±0.3
10532	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 80% duty cycle)	WLAN	8.28	±0.3
10533	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 80% duty cycle)	WLAN	8.38	±0.3
10534	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 80% duty cycle)	WLAN	8.45	±0.3
10535	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 80% duty cycle)	WLAN	8.45	±0.3
10536	AAD	IEEE 802.11ac WiFi (40 MHz, MCS10, 80% duty cycle)	WLAN	8.32	±0.3
10537	AAD	IEEE 802.11ac WiFi (40 MHz, MCS11, 80% duty cycle)	WLAN	8.44	±0.3
10538	AAD	IEEE 802.11ac WiFi (40 MHz, MCS12, 80% duty cycle)	WLAN	8.54	±0.3
10540	AAD	IEEE 802.11ac WiFi (40 MHz, MCS13, 80% duty cycle)	WLAN	8.39	±0.3

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10541	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 80ps duty cycle)	WLAN	8.46	+0.0
10542	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 80ps duty cycle)	WLAN	8.66	+0.0
10543	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 80ps duty cycle)	WLAN	8.85	+0.0
10544	AAD	IEEE 802.11ac WiFi (40 MHz, MCS10, 80ps duty cycle)	WLAN	8.47	+0.0
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 80ps duty cycle)	WLAN	8.55	+0.0
10546	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 80ps duty cycle)	WLAN	8.35	+0.0
10547	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 80ps duty cycle)	WLAN	8.49	+0.0
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 80ps duty cycle)	WLAN	8.37	+0.0
10549	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 80ps duty cycle)	WLAN	8.38	+0.0
10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 80ps duty cycle)	WLAN	8.50	+0.0
10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 80ps duty cycle)	WLAN	8.42	+0.0
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 80ps duty cycle)	WLAN	8.42	+0.0
10553	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 80ps duty cycle)	WLAN	8.45	+0.0
10554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 80ps duty cycle)	WLAN	8.48	+0.0
10555	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 80ps duty cycle)	WLAN	8.47	+0.0
10556	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 80ps duty cycle)	WLAN	8.50	+0.0
10557	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 80ps duty cycle)	WLAN	8.32	+0.0
10558	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 80ps duty cycle)	WLAN	8.41	+0.0
10559	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 80ps duty cycle)	WLAN	8.73	+0.0
10560	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 80ps duty cycle)	WLAN	8.56	+0.0
10561	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 80ps duty cycle)	WLAN	8.66	+0.0
10562	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 80ps duty cycle)	WLAN	8.66	+0.0
10563	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 80ps duty cycle)	WLAN	8.77	+0.0
10564	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 9Mbps, 80ps duty cycle)	WLAN	8.25	+0.0
10565	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 12Mbps, 80ps duty cycle)	WLAN	8.48	+0.0
10566	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 18Mbps, 80ps duty cycle)	WLAN	8.13	+0.0
10567	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 24Mbps, 80ps duty cycle)	WLAN	8.30	+0.0
10568	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 36Mbps, 80ps duty cycle)	WLAN	8.37	+0.0
10569	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 48Mbps, 80ps duty cycle)	WLAN	8.10	+0.0
10570	AAA	IEEE 802.11g WiFi 2.4GHz (DSSS-OFDM, 54Mbps, 80ps duty cycle)	WLAN	8.30	+0.0
10571	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 1Mbps, 80ps duty cycle)	WLAN	1.88	+0.0
10572	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 2Mbps, 80ps duty cycle)	WLAN	1.98	+0.0
10573	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 5.5Mbps, 80ps duty cycle)	WLAN	1.88	+0.0
10574	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 11Mbps, 80ps duty cycle)	WLAN	1.98	+0.0
10575	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 6Mbps, 80ps duty cycle)	WLAN	8.59	+0.0
10576	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 9Mbps, 80ps duty cycle)	WLAN	8.60	+0.0
10577	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 12Mbps, 80ps duty cycle)	WLAN	8.70	+0.0
10578	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 18Mbps, 80ps duty cycle)	WLAN	8.48	+0.0
10579	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 24Mbps, 80ps duty cycle)	WLAN	8.38	+0.0
10580	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 36Mbps, 80ps duty cycle)	WLAN	8.76	+0.0
10581	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 48Mbps, 80ps duty cycle)	WLAN	8.35	+0.0
10582	AAA	IEEE 802.11n WiFi 2.4GHz (OFDM, 54Mbps, 80ps duty cycle)	WLAN	8.87	+0.0
10583	AAD	IEEE 802.11ah WiFi 5GHz (OFDM, 9Mbps, 80ps duty cycle)	WLAN	8.58	+0.0
10584	AAD	IEEE 802.11ah WiFi 5GHz (OFDM, 12Mbps, 80ps duty cycle)	WLAN	8.58	+0.0
10585	AAD	IEEE 802.11ah WiFi 5GHz (OFDM, 18Mbps, 80ps duty cycle)	WLAN	8.70	+0.0
10586	AAD	IEEE 802.11ah WiFi 5GHz (OFDM, 24Mbps, 80ps duty cycle)	WLAN	8.48	+0.0
10587	AAD	IEEE 802.11ah WiFi 5GHz (OFDM, 36Mbps, 80ps duty cycle)	WLAN	8.38	+0.0
10588	AAD	IEEE 802.11ah WiFi 5GHz (OFDM, 48Mbps, 80ps duty cycle)	WLAN	8.76	+0.0
10589	AAD	IEEE 802.11ah WiFi 5GHz (OFDM, 54Mbps, 80ps duty cycle)	WLAN	8.35	+0.0
10590	AAD	IEEE 802.11ah WiFi 5GHz (OFDM, 54Mbps, 80ps duty cycle)	WLAN	8.87	+0.0
10591	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 80ps duty cycle)	WLAN	8.63	+0.0
10592	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 80ps duty cycle)	WLAN	8.78	+0.0
10593	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 80ps duty cycle)	WLAN	8.64	+0.0
10594	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 80ps duty cycle)	WLAN	8.74	+0.0
10595	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 80ps duty cycle)	WLAN	8.74	+0.0
10596	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 80ps duty cycle)	WLAN	8.71	+0.0
10597	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 80ps duty cycle)	WLAN	8.72	+0.0
10598	AAD	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 80ps duty cycle)	WLAN	8.50	+0.0
10599	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 80ps duty cycle)	WLAN	8.70	+0.0
10600	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 80ps duty cycle)	WLAN	8.86	+0.0
10601	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 80ps duty cycle)	WLAN	8.82	+0.0
10602	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 80ps duty cycle)	WLAN	8.94	+0.0
10603	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 80ps duty cycle)	WLAN	8.93	+0.0
10604	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 80ps duty cycle)	WLAN	8.76	+0.0
10605	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 80ps duty cycle)	WLAN	8.97	+0.0
10606	AAD	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 80ps duty cycle)	WLAN	8.82	+0.0
10607	AAD	IEEE 802.11ac WiFi (20MHz, MCS0, 80ps duty cycle)	WLAN	8.64	+0.0
10608	AAD	IEEE 802.11ac WiFi (20MHz, MCS1, 80ps duty cycle)	WLAN	8.77	+0.0

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10609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.37	±0.2
10610	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.70	±0.2
10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±0.2
10612	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±0.2
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±0.2
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.99	±0.2
10615	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±0.2
10616	AAD	IEEE 802.11ac WiFi (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.82	±0.2
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±0.2
10618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±0.2
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±0.2
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±0.2
10621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±0.2
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.88	±0.2
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±0.2
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±0.2
10625	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.98	±0.2
10626	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.92	±0.2
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±0.2
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±0.2
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±0.2
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±0.2
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±0.2
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±0.2
10633	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.85	±0.2
10634	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±0.2
10635	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±0.2
10636	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.83	±0.2
10637	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±0.2
10638	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.80	±0.2
10639	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±0.2
10640	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.86	±0.2
10641	AAE	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±0.2
10642	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±0.2
10643	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±0.2
10644	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±0.2
10645	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.11	±0.2
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe-2,7)	LTE-TDD	11.86	±0.2
10647	AAQ	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe-2,7)	LTE-TDD	11.86	±0.2
10648	AAK	CDMA2000 (1x Advanced)	CDMA2000	3.45	±0.2
10649	AAF	LTE-TDD (SC-FDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±0.2
10650	AAF	LTE-TDD (SC-FDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±0.2
10651	AAF	LTE-TDD (SC-FDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±0.2
10652	AAF	LTE-TDD (SC-FDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±0.2
10653	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±0.2
10654	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±0.2
10655	AAB	Pulse Waveform (200Hz, 40%)	Test	5.98	±0.2
10656	AAB	Pulse Waveform (200Hz, 60%)	Test	5.22	±0.2
10657	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±0.2
10658	AAA	Bluetooth Low Energy	Bluetooth	2.19	±0.2
10659	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±0.2
10660	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	6.57	±0.2
10661	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	6.78	±0.2
10662	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	6.74	±0.2
10663	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	6.90	±0.2
10664	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	6.77	±0.2
10665	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	6.75	±0.2
10666	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	6.78	±0.2
10667	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	6.89	±0.2
10668	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	6.80	±0.2
10669	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	6.62	±0.2
10670	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	6.85	±0.2
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	6.42	±0.2
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	6.26	±0.2
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	6.33	±0.2
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	6.28	±0.2

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.45	+9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.29	+9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.35	+9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.29	+9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.25	+9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.29	+9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.35	+9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.57	+9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.78	+9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.51	+9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.61	+9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.89	+9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	+9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.72	+9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.66	+9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	+9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	+9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.58	+9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.68	+9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.86	+9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.32	+9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.55	+9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.33	+9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.29	+9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.39	+9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.57	+9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.33	+9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.26	+9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.45	+9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.30	+9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.48	+9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.34	+9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.81	+9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.87	+9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.76	+9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	+9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	+9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	+9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	+9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	+9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	+9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	+9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	+9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.87	+9.6
10731	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.42	+9.6
10732	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.46	+9.6
10733	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.40	+9.6
10734	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.25	+9.6
10735	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.33	+9.6
10736	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.27	+9.6
10737	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.36	+9.6
10738	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.42	+9.6
10739	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.29	+9.6
10740	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.49	+9.6
10741	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	8.40	+9.6
10742	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.43	+9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	+9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.16	+9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.83	+9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.11	+9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	8.34	+9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	+9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.96	+9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	+9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	+9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	+9.6

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10753	AAC	IEEE 802.11ax (160MHz, MCS15, 99pc duty cycle)	WLAN	9.30	+9.5
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	9.34	+9.5
10755	AAC	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	9.34	+9.5
10756	AAC	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	9.37	+9.5
10757	AAC	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	9.37	+9.5
10758	AAC	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	9.39	+9.5
10759	AAC	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	9.58	+9.5
10760	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	9.46	+9.5
10761	AAC	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	9.56	+9.5
10762	AAC	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	9.46	+9.5
10763	AAC	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	9.59	+9.5
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	9.54	+9.5
10765	AAC	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	9.54	+9.5
10766	AAC	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	9.51	+9.5
10767	AAQ	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	7.96	+9.5
10768	AAE	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.51	+9.5
10769	AAQ	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.81	+9.5
10770	AAE	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 15kHz)	5G NR FR1 TDD	9.02	+9.5
10771	AAQ	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	9.22	+9.5
10772	AAE	5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 15kHz)	5G NR FR1 TDD	9.23	+9.5
10773	AAE	5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 15kHz)	5G NR FR1 TDD	9.23	+9.5
10774	AAE	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 15kHz)	5G NR FR1 TDD	9.32	+9.5
10775	AAE	5G NR (CP-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	+9.5
10776	AAE	5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.36	+9.5
10777	AAE	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.30	+9.5
10778	AAE	5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.34	+9.5
10779	AAE	5G NR (CP-OFDM, 50% RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.42	+9.5
10780	AAE	5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.36	+9.5
10781	AAE	5G NR (CP-OFDM, 50% RB, 40MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.36	+9.5
10782	AAE	5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.45	+9.5
10783	AAQ	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	+9.5
10784	AAE	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.26	+9.5
10785	AAQ	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.40	+9.5
10786	AAE	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.32	+9.5
10787	AAQ	5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.44	+9.5
10788	AAE	5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.39	+9.5
10789	AAE	5G NR (CP-OFDM, 100% RB, 40MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.37	+9.5
10790	AAE	5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.36	+9.5
10791	AAQ	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.89	+9.5
10792	AAE	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.92	+9.5
10793	AAQ	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.95	+9.5
10794	AAE	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.92	+9.5
10795	AAQ	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.94	+9.5
10796	AAE	5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.82	+9.5
10797	AAE	5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.31	+9.5
10798	AAE	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.86	+9.5
10799	AAE	5G NR (CP-OFDM, 1 RB, 60MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.93	+9.5
10800	AAE	5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.86	+9.5
10801	AAE	5G NR (CP-OFDM, 1 RB, 90MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.87	+9.5
10802	AAE	5G NR (CP-OFDM, 1 RB, 100MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.93	+9.5
10803	AAE	5G NR (CP-OFDM, 50% RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	+9.5
10804	AAE	5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.37	+9.5
10805	AAE	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	+9.5
10806	AAE	5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	+9.5
10807	AAE	5G NR (CP-OFDM, 50% RB, 25MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.35	+9.5
10808	AAE	5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.35	+9.5
10809	AAE	5G NR (CP-OFDM, 50% RB, 40MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.35	+9.5
10810	AAE	5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	+9.5
10811	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.35	+9.5
10812	AAE	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	+9.5
10813	AAE	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.33	+9.5
10814	AAE	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.30	+9.5
10815	AAE	5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	+9.5
10816	AAE	5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	+9.5
10817	AAE	5G NR (CP-OFDM, 100% RB, 40MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.36	+9.5
10818	AAE	5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.38	+9.5
10819	AAE	5G NR (CP-OFDM, 100% RB, 60MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.41	+9.5
10820	AAE	5G NR (CP-OFDM, 100% RB, 80MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.42	+9.5
10821	AAE	5G NR (CP-OFDM, 100% RB, 90MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.43	+9.5
10822	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.43	+9.5

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10829	AAF	SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.46	±0.2
10830	AAE	SG NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.83	±0.2
10831	AAE	SG NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.73	±0.2
10832	AAE	SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.74	±0.2
10833	AAE	SG NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.70	±0.2
10834	AAE	SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.76	±0.2
10835	AAF	SG NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.70	±0.2
10836	AAE	SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.66	±0.2
10837	AAF	SG NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.66	±0.2
10838	AAF	SG NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.70	±0.2
10840	AAE	SG NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.67	±0.2
10841	AAF	SG NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.71	±0.2
10842	AAE	SG NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.49	±0.2
10844	AAE	SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.34	±0.2
10846	AAE	SG NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.41	±0.2
10854	AAE	SG NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.34	±0.2
10855	AAE	SG NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.38	±0.2
10856	AAE	SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.37	±0.2
10857	AAE	SG NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.35	±0.2
10858	AAE	SG NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.36	±0.2
10859	AAF	SG NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.34	±0.2
10860	AAE	SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.41	±0.2
10861	AAF	SG NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.46	±0.2
10863	AAF	SG NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.41	±0.2
10864	AAE	SG NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.37	±0.2
10865	AAF	SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.41	±0.2
10866	AAF	SG NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.88	±0.2
10868	AAF	SG NR (DFTs-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.88	±0.2
10869	AAE	SG NR (DFTs-OFDM, 1 RB, 120 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	5.75	±0.2
10870	AAE	SG NR (DFTs-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	5.86	±0.2
10871	AAE	SG NR (DFTs-OFDM, 1 RB, 120 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	5.75	±0.2
10872	AAE	SG NR (DFTs-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	6.02	±0.2
10873	AAE	SG NR (DFTs-OFDM, 1 RB, 120 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	6.81	±0.2
10874	AAE	SG NR (DFTs-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	6.85	±0.2
10875	AAE	SG NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	7.78	±0.2
10876	AAE	SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	8.38	±0.2
10877	AAE	SG NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	7.86	±0.2
10878	AAE	SG NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	8.41	±0.2
10879	AAE	SG NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	8.12	±0.2
10880	AAE	SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	8.36	±0.2
10881	AAE	SG NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	5.75	±0.2
10882	AAE	SG NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	5.96	±0.2
10883	AAE	SG NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	6.37	±0.2
10884	AAE	SG NR (DFTs-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	6.53	±0.2
10885	AAE	SG NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	6.61	±0.2
10886	AAE	SG NR (DFTs-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	6.65	±0.2
10887	AAE	SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	7.78	±0.2
10888	AAE	SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	8.35	±0.2
10889	AAE	SG NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	8.02	±0.2
10890	AAE	SG NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	8.40	±0.2
10891	AAE	SG NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	8.13	±0.2
10892	AAE	SG NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	8.41	±0.2
10897	AAE	SG NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.66	±0.2
10898	AAC	SG NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.67	±0.2
10899	AAE	SG NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.57	±0.2
10900	AAC	SG NR (DFTs-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.58	±0.2
10901	AAE	SG NR (DFTs-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.58	±0.2
10902	AAC	SG NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±0.2
10903	AAE	SG NR (DFTs-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±0.2
10904	AAC	SG NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.58	±0.2
10905	AAE	SG NR (DFTs-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.58	±0.2
10906	AAE	SG NR (DFTs-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±0.2
10907	AAE	SG NR (DFTs-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.78	±0.2
10908	AAC	SG NR (DFTs-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.83	±0.2
10909	AAE	SG NR (DFTs-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.96	±0.2
10910	AAC	SG NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.83	±0.2

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^a k = 2
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.59	±0.6
10912	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.64	±0.6
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.64	±0.6
10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.65	±0.6
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.62	±0.6
10916	AAU	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±0.6
10917	AAE	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.64	±0.6
10918	AAE	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±0.6
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±0.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±0.6
10921	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.64	±0.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.62	±0.6
10923	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.64	±0.6
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.64	±0.6
10925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.65	±0.6
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.64	±0.6
10927	AAU	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.64	±0.6
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.6
10929	AAU	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.6
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.6
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.6
10936	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.50	±0.6
10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.50	±0.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.50	±0.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.6
10943	AAU	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.50	±0.6
10944	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.6
10945	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.50	±0.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.54	±0.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.57	±0.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.54	±0.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.25	±0.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.15	±0.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.20	±0.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.42	±0.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.14	±0.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.31	±0.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.51	±0.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.33	±0.6
10960	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.32	±0.6
10961	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.36	±0.6
10962	AAE	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.40	±0.6
10963	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.55	±0.6
10964	AAE	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.26	±0.6
10965	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.37	±0.6
10966	AAE	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.35	±0.6
10967	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.42	±0.6
10968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	6.49	±0.6
10972	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±0.6
10973	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.36	±0.6
10974	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.29	±0.6
10976	AAA	ULLA BDR	ULLA	1.16	±0.6
10978	AAA	ULLA HORH	ULLA	6.56	±0.6
10980	AAA	ULLA HORH	ULLA	10.32	±0.6
10981	AAA	ULLA HORps	ULLA	3.19	±0.6
10982	AAA	ULLA HORps	ULLA	3.43	±0.6

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July 22, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ¹ k = 2
10983	AAC	5G NR DL ICP-OFDM, TM 3.1, 40MHz, 64-QAM, 15KHz	5G NR FR1 TDD	9.31	±0.8
10984	AAB	5G NR DL ICP-OFDM, TM 3.1, 50MHz, 64-QAM, 15KHz	5G NR FR1 TDD	9.42	±0.8
10985	AAC	5G NR DL ICP-OFDM, TM 3.1, 40MHz, 64-QAM, 30KHz	5G NR FR1 TDD	9.54	±0.8
10986	AAB	5G NR DL ICP-OFDM, TM 3.1, 50MHz, 64-QAM, 30KHz	5G NR FR1 TDD	9.56	±0.8
10987	AAC	5G NR DL ICP-OFDM, TM 3.1, 50MHz, 64-QAM, 30KHz	5G NR FR1 TDD	9.53	±0.8
10988	AAB	5G NR DL ICP-OFDM, TM 3.1, 75MHz, 64-QAM, 30KHz	5G NR FR1 TDD	9.38	±0.8
10989	AAC	5G NR DL ICP-OFDM, TM 3.1, 80MHz, 64-QAM, 30KHz	5G NR FR1 TDD	9.33	±0.8
10990	AAB	5G NR DL ICP-OFDM, TM 3.1, 80MHz, 64-QAM, 30KHz	5G NR FR1 TDD	9.32	±0.8
11003	AAA	5G NR DL ICP-OFDM, TM 3.1, 30MHz, 64-QAM, 15KHz	5G NR FR1 TDD	10.24	±0.8
11004	AAA	5G NR DL ICP-OFDM, TM 3.1, 30MHz, 64-QAM, 30KHz	5G NR FR1 TDD	10.72	±0.8
11005	AAA	5G NR DL ICP-OFDM, TM 3.1, 25MHz, 64-QAM, 15KHz	5G NR FR1 FDD	8.70	±0.8
11006	AAA	5G NR DL ICP-OFDM, TM 3.1, 30MHz, 64-QAM, 15KHz	5G NR FR1 FDD	8.88	±0.8
11007	AAA	5G NR DL ICP-OFDM, TM 3.1, 40MHz, 64-QAM, 15KHz	5G NR FR1 FDD	8.46	±0.8
11008	AAA	5G NR DL ICP-OFDM, TM 3.1, 50MHz, 64-QAM, 15KHz	5G NR FR1 FDD	8.81	±0.8
11009	AAA	5G NR DL ICP-OFDM, TM 3.1, 25MHz, 64-QAM, 30KHz	5G NR FR1 FDD	8.76	±0.8
11010	AAA	5G NR DL ICP-OFDM, TM 3.1, 30MHz, 64-QAM, 30KHz	5G NR FR1 FDD	8.85	±0.8
11011	AAA	5G NR DL ICP-OFDM, TM 3.1, 40MHz, 64-QAM, 30KHz	5G NR FR1 FDD	8.86	±0.8
11012	AAA	5G NR DL ICP-OFDM, TM 3.1, 50MHz, 64-QAM, 30KHz	5G NR FR1 FDD	8.89	±0.8
11013	AAB	IEEE 802.11be (320MHz, MCS1, 96pc duty cycle)	WLAN	8.47	±0.8
11014	AAB	IEEE 802.11be (320MHz, MCS2, 96pc duty cycle)	WLAN	8.45	±0.8
11015	AAB	IEEE 802.11be (320MHz, MCS3, 96pc duty cycle)	WLAN	8.44	±0.8
11016	AAB	IEEE 802.11be (320MHz, MCS4, 96pc duty cycle)	WLAN	8.44	±0.8
11017	AAB	IEEE 802.11be (320MHz, MCS5, 96pc duty cycle)	WLAN	8.41	±0.8
11018	AAB	IEEE 802.11be (320MHz, MCS6, 96pc duty cycle)	WLAN	8.40	±0.8
11019	AAB	IEEE 802.11be (320MHz, MCS7, 96pc duty cycle)	WLAN	8.29	±0.8
11020	AAB	IEEE 802.11be (320MHz, MCS8, 96pc duty cycle)	WLAN	8.27	±0.8
11021	AAB	IEEE 802.11be (320MHz, MCS9, 96pc duty cycle)	WLAN	8.46	±0.8
11022	AAB	IEEE 802.11be (320MHz, MCS10, 96pc duty cycle)	WLAN	8.36	±0.8
11023	AAB	IEEE 802.11be (320MHz, MCS11, 96pc duty cycle)	WLAN	8.09	±0.8
11024	AAB	IEEE 802.11be (320MHz, MCS12, 96pc duty cycle)	WLAN	8.42	±0.8
11025	AAB	IEEE 802.11be (320MHz, MCS13, 96pc duty cycle)	WLAN	8.37	±0.8
11026	AAB	IEEE 802.11be (320MHz, MCS14, 96pc duty cycle)	WLAN	8.38	±0.8

¹ Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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



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

Accreditation No.: SCS 0108

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

Certificate No. **EX-7732_Jun25**

CALIBRATION CERTIFICATE

Object **EX3DV4 - SN:7732**

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 **June 25, 2025**

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

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^\circ\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (MATE critical for calibration)

Primary Standards	ID	Calibration Date (Certificate No.)	Sched. Cal.
Power Sensor R&S NRP-35T	SN: 100667	26-Mar-25 (No. 217-04290)	Mar-26
N-type mismatch combination	SN: L1119	26-Mar-25 (No. 217-04290)	Mar-26
OCP DAK-12	SN: 1016	24-Sept-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sept-24 (No. OCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-26
DAE4	SN: 1301	07-Nov-24 (No. DAE4-1301_Nov24)	Nov-25

Secondary Standards	ID	Check Date (in house)	Sched. Check
ACAP 2020 Setup 1	SN: L1404	30-Sept-24 (No. Report_ACAP2020E-Care_20240900s)	Sep-25
OCP DAK-12	SN: 1039	27-Feb-25 (No. OCP-DAK12-1039_Feb25)	Feb-26
OCP DAK-3.5	SN: 1336	09-Dec-24 (No. OCP-DAK3.5-1336_Dec24)	Dec-25

	Name	Function	Signature
Calibrated by	Philo Pina	Laboratory Technician	
Approved by	Sven Kohn	Technical Manager	
Issued: June 25, 2025			
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.			

Certificate No: EX-7732_Jun25

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관	단	장	회	원	자
제	장	김	이	훈	
제	장	김	이	훈	
제	장	김	이	훈	

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



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

Accreditation No.: **SCS 0108**

Glossary

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- $NORM_{x,y,z}$: Assessed for E-field polarization $\theta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). $NORM_{x,y,z}$ are only intermediate values, i.e., the uncertainties of $NORM_{x,y,z}$ does not affect the E^2 -field uncertainty inside TSL (see below ConvF).
- $NORM_{f(x,y,z)} = NORM_{x,y,z} \cdot \text{frequency_response}$ (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- $DCP_{x,y,z}$: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics.
- $A_{x,y,z}; B_{x,y,z}; C_{x,y,z}; D_{x,y,z}; VR_{x,y,z}$: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 600$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 600$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to $NORM_{x,y,z} \cdot \text{ConvF}$ whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy): In a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the $NORM_x$ (no uncertainty required).

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Parameters of Probe: EX3DV4 - SN:7732

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ($\mu V/(V/m)^2$) ^A	0.51	0.55	0.56	$\pm 10.1\%$
DCP (mV) ^B	105.8	103.6	104.1	$\pm 4.7\%$

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB $\sqrt{\mu V}$	C	D dB	VR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	122.4	$\pm 1.8\%$	$\pm 4.7\%$
		Y	0.00	0.00	1.00		134.6		
		Z	0.00	0.00	1.00		131.7		
10352	Pulse Waveform (200Hz, 10%)	X	2.00	62.00	7.00	10.00	60.0	$\pm 2.7\%$	$\pm 9.6\%$
		Y	1.56	60.96	6.75		60.0		
		Z	1.38	60.00	6.04		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	44.00	60.00	11.00	6.99	60.0	$\pm 2.2\%$	$\pm 9.6\%$
		Y	0.77	60.00	5.12		60.0		
		Z	20.00	74.00	9.00		60.0		
10354	Pulse Waveform (200Hz, 40%)	X	0.08	131.59	0.26	3.98	95.0	$\pm 2.5\%$	$\pm 9.6\%$
		Y	0.50	113.00	1.81		95.0		
		Z	0.53	154.92	4.19		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	6.69	160.00	26.75	2.22	120.0	$\pm 1.5\%$	$\pm 9.6\%$
		Y	0.00	159.97	0.09		120.0		
		Z	7.78	113.50	5.09		120.0		
10367	QPSK Waveform, 1 MHz	X	0.57	66.34	13.67	1.00	150.0	$\pm 3.5\%$	$\pm 9.6\%$
		Y	0.59	63.59	12.04		150.0		
		Z	0.60	65.90	13.84		150.0		
10388	QPSK Waveform, 10 MHz	X	1.42	67.39	14.73	0.00	150.0	$\pm 1.2\%$	$\pm 9.6\%$
		Y	1.36	65.35	13.60		150.0		
		Z	1.43	67.40	14.61		150.0		
10396	64-QAM Waveform, 100 kHz	X	1.62	63.97	15.94	3.01	150.0	$\pm 1.1\%$	$\pm 9.6\%$
		Y	1.66	64.05	15.74		150.0		
		Z	1.66	64.54	16.03		150.0		
10399	64-QAM Waveform, 40 MHz	X	2.64	66.74	15.42	0.00	150.0	$\pm 1.6\%$	$\pm 9.6\%$
		Y	2.67	66.10	14.96		150.0		
		Z	2.69	66.93	15.49		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.76	66.24	15.42	0.00	150.0	$\pm 2.8\%$	$\pm 9.6\%$
		Y	3.69	65.86	15.24		150.0		
		Z	3.64	66.51	15.55		150.0		

Note: For details on UID parameters see Appendix

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

^A The uncertainties of Norm X,Y,Z do not affect the E^2 field uncertainty inside TSL (see Page 5).

^B Linearization parameter uncertainty for maximum specified field strength.

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

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Parameters of Probe: EX3DV4 - SN:7732

Sensor Model Parameters

	C1 IF	C2 IF	α V^{-1}	T1 $ms V^{-2}$	T2 $ms V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
x	8.7	62.97	33.23	1.99	0.00	4.90	0.11	0.02	1.00
y	10.4	76.71	34.57	2.02	0.00	4.92	0.32	0.00	1.00
z	8.8	64.02	33.99	1.83	0.00	4.90	0.30	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-27.6°
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:7732

Calibration Parameter Determined in HSL

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
750	41.9	0.89	10.06	9.54	10.08	0.35	1.27	±11.0%
835	41.5	0.90	9.80	9.29	9.82	0.35	1.27	±11.0%
900	41.5	0.97	9.47	8.98	9.49	0.35	1.27	±11.0%
1750	40.1	1.37	8.46	8.02	8.48	0.34	1.27	±11.0%
1900	40.0	1.40	8.19	7.77	8.21	0.34	1.27	±11.0%
2300	39.5	1.67	7.75	7.35	7.77	0.33	1.27	±11.0%
2450	39.2	1.80	7.52	7.13	7.53	0.33	1.27	±11.0%
2500	39.0	1.96	7.71	7.31	7.73	0.33	1.27	±11.0%

^C Frequency validity above 200 MHz of a 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to <50 MHz. The uncertainty in the HSL of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 200 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 190 and 320 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–8 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

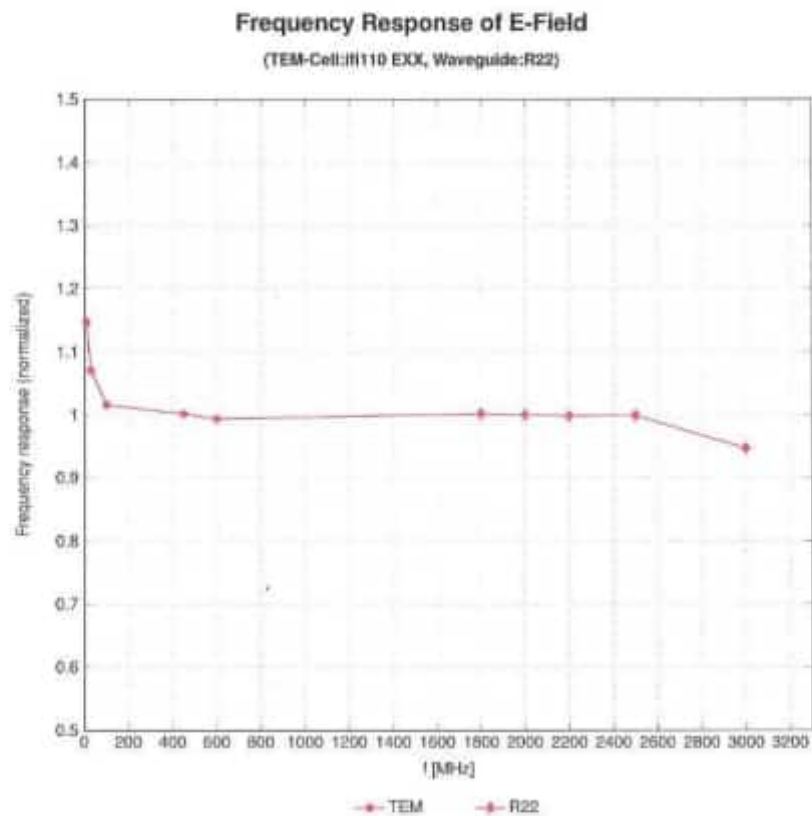
^F The probes are calibrated using traceable simulating liquids (TSL) that deviate for ϵ and σ by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

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

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

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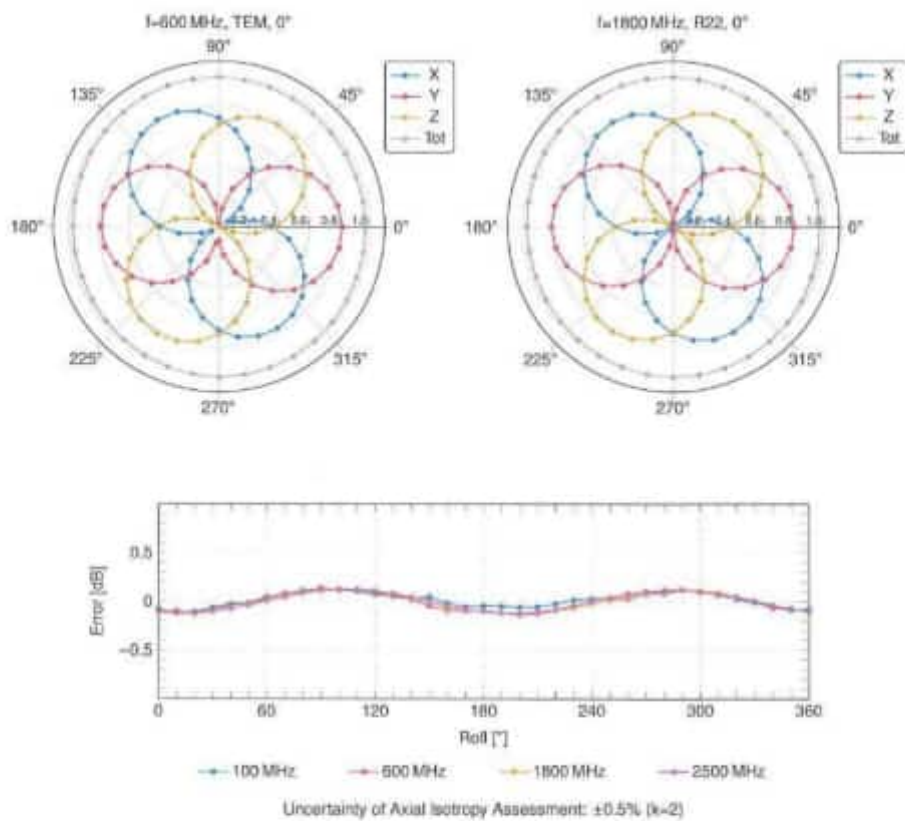


Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

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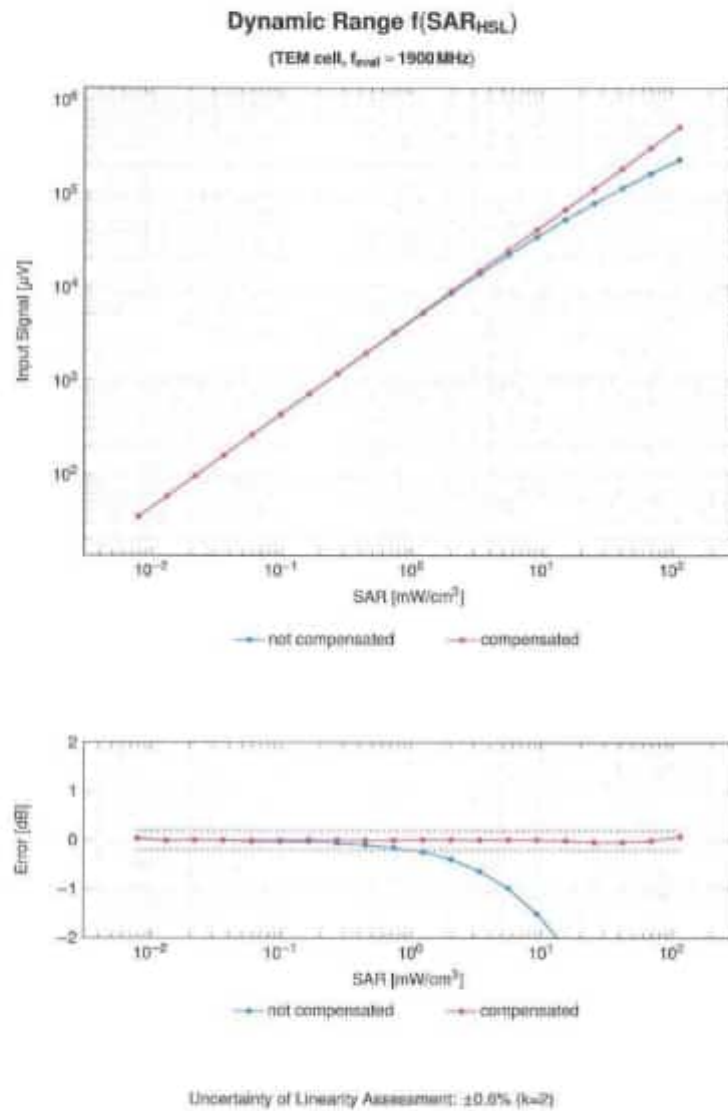
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Receiving Pattern (ϕ), $\theta = 0^\circ$



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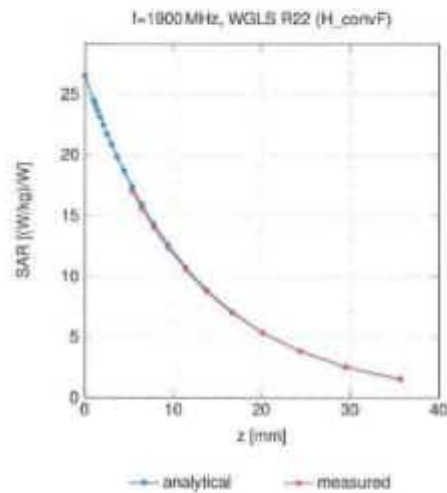
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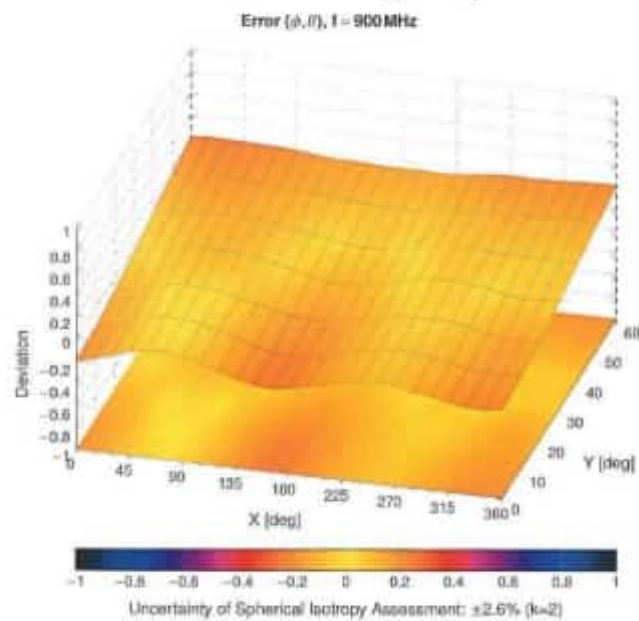
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Conversion Factor Assessment



Deviation from Isotropy in Liquid



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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAH (dB)	Unc* k = 2
0		CW	CW	0.00	±4.7
10010	CAN	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.0
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.0
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.0
10013	CAN	IEEE 802.11g WiFi 2.4 GHz (DSSS OFDM, 5 Mbps)	WLAN	0.46	±9.0
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	0.39	±9.0
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	0.57	±9.0
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	0.56	±9.0
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.0
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.50	±9.0
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.0
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	5.55	±9.0
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.79	±9.0
10030	CAA	IEEE 802.15.1 Bluetooth (QPSK, DH1)	Bluetooth	5.30	±9.0
10031	CAA	IEEE 802.15.1 Bluetooth (QPSK, DH0)	Bluetooth	1.07	±9.0
10032	CAA	IEEE 802.15.1 Bluetooth (QPSK, DH0)	Bluetooth	1.18	±9.0
10033	CAA	IEEE 802.15.1 Bluetooth (P4-DQPSK, DH1)	Bluetooth	7.74	±9.0
10034	CAA	IEEE 802.15.1 Bluetooth (P4-DQPSK, DH0)	Bluetooth	4.53	±9.0
10035	CAA	IEEE 802.15.1 Bluetooth (P4-DQPSK, DH0)	Bluetooth	3.03	±9.0
10036	CAA	IEEE 802.15.1 Bluetooth (B-DPSK, DH1)	Bluetooth	8.01	±9.0
10037	CAA	IEEE 802.15.1 Bluetooth (B-DPSK, DH0)	Bluetooth	4.77	±9.0
10038	CAA	IEEE 802.15.1 Bluetooth (B-DPSK, DH0)	Bluetooth	4.10	±9.0
10039	CAN	CDMA2000 (1xRTT, FCT)	CDMA2000	4.57	±9.0
10042	CAB	IS-54 / IS-136 FDD (TDMA-FDM, P4-DQPSK, Fullrate)	AMPS	7.79	±9.0
10044	CAA	IS-97/IS-136 FDD (FDM, FM)	AMPS	0.00	±9.0
10048	CAA	DECT (TDD, TDMA/FDM, QPSK, Full Slot, 24)	DECT	12.60	±9.0
10049	CAA	DECT (TDD, TDMA/FDM, QPSK, Double Slot, 12)	DECT	10.79	±9.0
10056	CAA	UMTS-FDD (TD-SCDMA, 1.28 Mbps)	TD-SCDMA	11.01	±9.0
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.02	±9.0
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.0
10060	CAN	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.03	±9.0
10061	CAN	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.0
10062	CAN	IEEE 802.11a/n WiFi 5 GHz (OFDM, 3 Mbps)	WLAN	0.68	±9.0
10063	CAN	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	0.62	±9.0
10064	CAN	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	0.00	±9.0
10065	CAN	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	0.00	±9.0
10066	CAN	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	0.38	±9.0
10067	CAN	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.0
10068	CAN	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.34	±9.0
10069	CAN	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.06	±9.0
10071	CAN	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	0.02	±9.0
10072	CAN	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	0.02	±9.0
10073	CAN	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	0.94	±9.0
10074	CAN	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.00	±9.0
10075	CAN	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.0
10076	CAN	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.0
10077	CAN	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.0
10081	CAN	CDMA2000 (1xRTT, FCT)	CDMA2000	3.97	±9.0
10082	CAN	IS-54 / IS-136 FDD (TDMA-FDM, P4-DQPSK, Fullrate)	AMPS	6.77	±9.0
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.54	±9.0
10097	CAC	UMTS-FDD (HSPA)	WCDMA	2.38	±9.0
10098	CAC	UMTS-FDD (HSPA, Subcarrier 2)	WCDMA	0.96	±9.0
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	0.50	±9.0
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	0.67	±9.0
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	0.42	±9.0
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	0.60	±9.0
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	0.29	±9.0
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	0.97	±9.0
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.0
10106	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	0.80	±9.0
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	0.43	±9.0
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	0.70	±9.0
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	0.44	±9.0

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UID	Rev	Communication System Name	Group	FAR (dB)	Unc ² k = 2
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±0.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±0.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	6.70	±0.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	6.66	±0.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	6.75	±0.6
10117	CAE	IEEE 802.11n (HT Muxed, 13.5 Mbps, BPSK)	WLAN	6.07	±0.6
10118	CAE	IEEE 802.11n (HT Muxed, 81 Mbps, 16-QAM)	WLAN	6.58	±0.6
10119	CAE	IEEE 802.11n (HT Muxed, 135 Mbps, 64-QAM)	WLAN	6.73	±0.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.48	±0.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.33	±0.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±0.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±0.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.55	±0.6
10146	CAQ	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±0.6
10146	CAQ	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±0.6
10147	CAQ	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±0.6
10148	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.62	±0.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±0.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±0.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.02	±0.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±0.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.75	±0.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	5.43	±0.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±0.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	5.49	±0.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	5.62	±0.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.96	±0.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.62	±0.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±0.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.56	±0.6
10166	CAQ	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±0.6
10167	CAQ	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±0.6
10168	CAQ	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±0.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±0.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.48	±0.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±0.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±0.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±0.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±0.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±0.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±0.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±0.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±0.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.56	±0.6
10187	CAQ	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±0.6
10188	CAQ	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10188	AAQ	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	6.09	±0.6
10194	CAE	IEEE 802.11n (HT Greenfield, 30 Mbps, 16-QAM)	WLAN	6.12	±0.6
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	6.21	±0.6
10196	CAE	IEEE 802.11n (HT Muxed, 6.5 Mbps, BPSK)	WLAN	6.10	±0.6
10197	CAE	IEEE 802.11n (HT Muxed, 30 Mbps, 16-QAM)	WLAN	6.13	±0.6
10198	CAE	IEEE 802.11n (HT Muxed, 65 Mbps, 64-QAM)	WLAN	6.27	±0.6
10218	CAE	IEEE 802.11n (HT Muxed, 7.2 Mbps, BPSK)	WLAN	6.03	±0.6
10220	CAE	IEEE 802.11n (HT Muxed, 43.3 Mbps, 16-QAM)	WLAN	6.13	±0.6
10221	CAE	IEEE 802.11n (HT Muxed, 72.2 Mbps, 64-QAM)	WLAN	6.27	±0.6
10223	CAE	IEEE 802.11n (HT Muxed, 15 Mbps, BPSK)	WLAN	6.06	±0.6
10223	CAE	IEEE 802.11n (HT Muxed, 60 Mbps, 16-QAM)	WLAN	6.43	±0.6
10224	CAE	IEEE 802.11n (HT Muxed, 150 Mbps, 64-QAM)	WLAN	6.58	±0.6

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10225	CAC	UMTS-FDD (HSRPA)	WCDMA	5.97	±0.5
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±0.5
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±0.5
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.23	±0.5
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.46	±0.5
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±0.5
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.12	±0.5
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±0.5
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±0.5
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±0.5
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.98	±0.5
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±0.5
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±0.5
10238	CAQ	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.68	±0.5
10239	CAQ	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±0.5
10240	CAQ	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±0.5
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.02	±0.5
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±0.5
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±0.5
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±0.5
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±0.5
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±0.5
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±0.5
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±0.5
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±0.5
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±0.5
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±0.5
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±0.5
10253	CAQ	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±0.5
10254	CAQ	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±0.5
10255	CAQ	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.29	±0.5
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.66	±0.5
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±0.5
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±0.5
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.90	±0.5
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±0.5
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±0.5
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.82	±0.5
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.18	±0.5
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±0.5
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±0.5
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±0.5
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±0.5
10268	CAQ	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.09	±0.5
10269	CAQ	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±0.5
10270	CAQ	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.39	±0.5
10274	CAC	UMTS-FDD (HSUPA, Subsect 5, 3GPP Rel.10)	WCDMA	4.87	±0.5
10275	CAC	UMTS-FDD (HSUPA, Subsect 5, 3GPP Rel.10)	WCDMA	3.88	±0.5
10277	CAA	PHS (QPSK)	PHS	11.81	±0.5
10278	CAA	PHS (QPSK, BW 884 MHz, Roll-off 0.5)	PHS	11.81	±0.5
10279	CAA	PHS (QPSK, BW 884 MHz, Roll-off 0.38)	PHS	12.16	±0.5
10280	AAB	CDMA2000, 1X1, 60SS, Full Rate	CDMA2000	3.91	±0.5
10291	AAB	CDMA2000, 1X3, 60SS, Full Rate	CDMA2000	3.46	±0.5
10292	AAB	CDMA2000, 1X3, 50SS, Full Rate	CDMA2000	3.39	±0.5
10293	AAB	CDMA2000, 1X3, 50SS, Full Rate	CDMA2000	3.50	±0.5
10295	AAB	CDMA2000, 1X1, 50SS, 1/8th Rate 2/3 ft.	CDMA2000	12.48	±0.5
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 35 MHz, QPSK)	LTE-FDD	5.81	±0.5
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±0.5
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±0.5
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.80	±0.5
10301	AAA	IEEE 802.16e WMAX (29.15, 5 ms, 10 MHz, QPSK, PUSC)	WMAX	12.03	±0.5
10302	AAA	IEEE 802.16e WMAX (29.15, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WMAX	12.07	±0.5
10303	AAA	IEEE 802.16e WMAX (31.15, 5 ms, 10 MHz, 64QAM, PUSC)	WMAX	12.02	±0.5
10304	AAA	IEEE 802.16e WMAX (29.15, 5 ms, 10 MHz, 64QAM, PUSC)	WMAX	11.86	±0.5
10305	AAA	IEEE 802.16e WMAX (31.15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WMAX	15.24	±0.5
10306	AAA	IEEE 802.16e WMAX (29.15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WMAX	14.57	±0.5

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10307	AAA	IEEE 802.16e WMAX (29.16, 15 ms, 10 MHz, QPSK, PUSC, 16 symbols)	WMAX	14.89	±0.6
10308	AAA	IEEE 802.16e WMAX (29.16, 15 ms, 10 MHz, 16QAM, PUSC)	WMAX	14.46	±0.6
10309	AAA	IEEE 802.16e WMAX (29.16, 15 ms, 10 MHz, 16QAM, AMC 2x3, 16 symbols)	WMAX	14.56	±0.6
10310	AAA	IEEE 802.16e WMAX (29.16, 15 ms, 10 MHz, QPSK, AMC 2x3, 16 symbols)	WMAX	14.57	±0.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RFL, 15 MHz, QPSK)	LTE-FDD	8.06	±0.6
10313	AAA	IDEN 1.3	IDEN	10.81	±0.6
10314	AAA	IDEN 1.6	IDEN	13.48	±0.6
10315	AAB	IEEE 802.11a WiFi (2.4 GHz (HSS), 1 Mbps, 90% duty cycle)	WLAN	1.71	±0.6
10316	AAB	IEEE 802.11g WiFi (2.4 GHz (ERP OFDM, 6 Mbps, 90% duty cycle)	WLAN	8.36	±0.6
10317	AAE	IEEE 802.11a WiFi (2.4 GHz (ERP OFDM, 6 Mbps, 90% duty cycle)	WLAN	8.36	±0.6
10352	AAA	Pulse Waveform (20MHz, 10%)	Generic	10.00	±0.6
10353	AAA	Pulse Waveform (20MHz, 20%)	Generic	8.89	±0.6
10354	AAA	Pulse Waveform (20MHz, 40%)	Generic	3.98	±0.6
10355	AAA	Pulse Waveform (20MHz, 60%)	Generic	2.22	±0.6
10356	AAA	Pulse Waveform (20MHz, 80%)	Generic	0.97	±0.6
10367	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±0.6
10369	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±0.6
10386	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±0.6
10389	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±0.6
10400	AAF	IEEE 802.11a WiFi (2.4 GHz, 64-QAM, 90% duty cycle)	WLAN	6.37	±0.6
10401	AAF	IEEE 802.11a WiFi (40 MHz, 64-QAM, 90% duty cycle)	WLAN	6.60	±0.6
10403	AAF	IEEE 802.11a WiFi (60 MHz, 64-QAM, 90% duty cycle)	WLAN	6.53	±0.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. E)	CDMA2000	3.76	±0.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±0.6
10406	AAB	CDMA2000, RCD, RCD3, RCD4, Full Rate	CDMA2000	6.39	±0.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RFL, 10 MHz, QPSK, UL Subframe-2,3,4,7,8,9, Subframe Const-4)	LTE-TDD	7.82	±0.6
10414	AAA	WLAN CQPSK, 64-QAM, 40 MHz	Generic	8.54	±0.6
10415	AAA	IEEE 802.11n WiFi (2.4 GHz (DSSS), 1 Mbps, 90% duty cycle)	WLAN	1.54	±0.6
10416	AAA	IEEE 802.11g WiFi (2.4 GHz (ERP-OFDM, 6 Mbps, 90% duty cycle)	WLAN	8.23	±0.6
10417	AAD	IEEE 802.11ah WiFi (5 GHz (OFDM, 8 Mbps, 90% duty cycle)	WLAN	8.23	±0.6
10418	AAA	IEEE 802.11g WiFi (2.4 GHz (DSSS-OFDM, 6 Mbps, 90% duty cycle, Long preamble)	WLAN	6.14	±0.6
10419	AAA	IEEE 802.11g WiFi (2.4 GHz (DSSS-OFDM, 6 Mbps, 90% duty cycle, Short preamble)	WLAN	6.18	±0.6
10420	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	6.37	±0.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	6.47	±0.6
10424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	6.40	±0.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	6.41	±0.6
10426	AAD	IEEE 802.11n (HT Greenfield, 60 Mbps, 16-QAM)	WLAN	6.45	±0.6
10427	AAD	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	6.41	±0.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	6.28	±0.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	6.38	±0.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	6.34	±0.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	6.34	±0.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCCH)	WCDMA	6.55	±0.6
10435	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 20 MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.82	±0.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±0.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	±0.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±0.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±0.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCCH, Clipping 44%)	WCDMA	7.59	±0.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±0.6
10456	AAD	IEEE 802.11n WiFi (160 MHz, 64-QAM, 90% duty cycle)	WLAN	6.83	±0.6
10457	AAB	JMYS-FDD (DC-HDDPA)	WCDMA	6.62	±0.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±0.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	6.25	±0.6
10460	AAB	JMYS-FDD (WCDMA, AMR)	WCDMA	2.39	±0.6
10461	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 1.4 MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.82	±0.6
10462	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 1.4 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.30	±0.6
10463	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 1.4 MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.56	±0.6
10464	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 3 MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.82	±0.6
10465	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 3 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.32	±0.6
10466	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 3 MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.57	±0.6
10467	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 5 MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.82	±0.6
10468	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 5 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.32	±0.6
10469	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 5 MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.56	±0.6
10470	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 10 MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.82	±0.6
10471	AAQ	LTE-TDD (SC-FDMA, 1 RFL, 10 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.32	±0.6

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10473	AAQ	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.5
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.5
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.5
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.5
10477	AAQ	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.5
10478	AAQ	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.5
10479	AAQ	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.24	±0.5
10480	AAQ	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±0.5
10481	AAQ	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±0.5
10483	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±0.5
10483	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±0.5
10484	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±0.5
10485	AAQ	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±0.5
10486	AAQ	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±0.5
10487	AAQ	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.62	±0.5
10488	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±0.5
10488	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±0.5
10489	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.5
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.5
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±0.5
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.59	±0.5
10494	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.5
10495	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±0.5
10496	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.5
10497	AAQ	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±0.5
10498	AAQ	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±0.5
10499	AAQ	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±0.5
10500	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±0.5
10501	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±0.5
10502	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±0.5
10503	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±0.5
10504	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±0.5
10505	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.5
10506	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.5
10507	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±0.5
10508	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±0.5
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.89	±0.5
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.48	±0.5
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.61	±0.5
10512	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.5
10513	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±0.5
10514	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±0.5
10515	AAA	IEEE 802.11n WiFi 2.4 GHz (DSSS, 2 Mbps, 99% duty cycle)	WLAN	1.58	±0.5
10516	AAA	IEEE 802.11n WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99% duty cycle)	WLAN	1.57	±0.5
10517	AAA	IEEE 802.11n WiFi 2.4 GHz (DSSS, 11 Mbps, 99% duty cycle)	WLAN	1.58	±0.5
10518	AAQ	IEEE 802.11n WiFi 5 GHz (OFDM, 9 Mbps, 99% duty cycle)	WLAN	6.23	±0.5
10519	AAQ	IEEE 802.11n WiFi 5 GHz (OFDM, 12 Mbps, 99% duty cycle)	WLAN	6.39	±0.5
10520	AAQ	IEEE 802.11n WiFi 5 GHz (OFDM, 18 Mbps, 99% duty cycle)	WLAN	6.12	±0.5
10521	AAQ	IEEE 802.11n WiFi 5 GHz (OFDM, 24 Mbps, 99% duty cycle)	WLAN	7.97	±0.5
10522	AAQ	IEEE 802.11n WiFi 5 GHz (OFDM, 36 Mbps, 99% duty cycle)	WLAN	6.45	±0.5
10523	AAQ	IEEE 802.11n WiFi 5 GHz (OFDM, 48 Mbps, 99% duty cycle)	WLAN	6.08	±0.5
10524	AAQ	IEEE 802.11n WiFi 5 GHz (OFDM, 54 Mbps, 99% duty cycle)	WLAN	6.27	±0.5
10525	AAQ	IEEE 802.11ac WiFi (20 MHz, MCS0, 99% duty cycle)	WLAN	6.36	±0.5
10526	AAQ	IEEE 802.11ac WiFi (20 MHz, MCS1, 99% duty cycle)	WLAN	6.42	±0.5
10527	AAQ	IEEE 802.11ac WiFi (20 MHz, MCS2, 99% duty cycle)	WLAN	6.21	±0.5
10528	AAQ	IEEE 802.11ac WiFi (20 MHz, MCS3, 99% duty cycle)	WLAN	6.36	±0.5
10529	AAQ	IEEE 802.11ac WiFi (20 MHz, MCS4, 99% duty cycle)	WLAN	6.36	±0.5
10530	AAQ	IEEE 802.11ac WiFi (20 MHz, MCS5, 99% duty cycle)	WLAN	6.43	±0.5
10531	AAQ	IEEE 802.11ac WiFi (20 MHz, MCS6, 99% duty cycle)	WLAN	6.29	±0.5
10532	AAQ	IEEE 802.11ac WiFi (20 MHz, MCS7, 99% duty cycle)	WLAN	6.29	±0.5
10533	AAQ	IEEE 802.11ac WiFi (20 MHz, MCS8, 99% duty cycle)	WLAN	6.38	±0.5
10534	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS0, 99% duty cycle)	WLAN	6.45	±0.5
10535	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS1, 99% duty cycle)	WLAN	6.45	±0.5
10536	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS2, 99% duty cycle)	WLAN	6.32	±0.5
10537	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS3, 99% duty cycle)	WLAN	6.44	±0.5
10538	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS4, 99% duty cycle)	WLAN	6.54	±0.5
10540	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS5, 99% duty cycle)	WLAN	6.59	±0.5

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10541	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	6.46	±0.6
10542	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	6.65	±0.6
10543	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	6.65	±0.6
10544	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS10, 90pc duty cycle)	WLAN	6.47	±0.6
10545	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS11, 90pc duty cycle)	WLAN	6.55	±0.6
10546	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS12, 90pc duty cycle)	WLAN	6.35	±0.6
10547	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS13, 90pc duty cycle)	WLAN	6.49	±0.6
10548	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS14, 90pc duty cycle)	WLAN	6.37	±0.6
10550	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS15, 90pc duty cycle)	WLAN	6.38	±0.6
10551	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS17, 90pc duty cycle)	WLAN	6.50	±0.6
10552	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS18, 90pc duty cycle)	WLAN	6.42	±0.6
10553	AAQ	IEEE 802.11ac WiFi (40 MHz, MCS19, 90pc duty cycle)	WLAN	6.45	±0.6
10554	AAE	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	6.49	±0.6
10555	AAE	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	6.47	±0.6
10556	AAE	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	6.50	±0.6
10557	AAE	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	6.52	±0.6
10558	AAE	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	6.51	±0.6
10560	AAE	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	6.73	±0.6
10561	AAE	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	6.58	±0.6
10562	AAE	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	6.58	±0.6
10563	AAE	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	6.77	±0.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	6.30	±0.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	6.43	±0.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	6.13	±0.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	6.00	±0.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	6.37	±0.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	6.10	±0.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	6.30	±0.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±0.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.98	±0.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±0.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±0.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	6.39	±0.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	6.60	±0.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	6.70	±0.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	6.60	±0.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	6.38	±0.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	6.78	±0.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	6.35	±0.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	6.57	±0.6
10583	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	6.59	±0.6
10584	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	6.60	±0.6
10585	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	6.70	±0.6
10586	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	6.48	±0.6
10587	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	6.36	±0.6
10588	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	6.76	±0.6
10589	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	6.35	±0.6
10590	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	6.57	±0.6
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	6.63	±0.6
10592	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	6.78	±0.6
10593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	6.64	±0.6
10594	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	6.74	±0.6
10595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	6.74	±0.6
10596	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	6.71	±0.6
10597	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	6.72	±0.6
10598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	6.50	±0.6
10599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS8, 90pc duty cycle)	WLAN	6.75	±0.6
10600	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS9, 90pc duty cycle)	WLAN	6.86	±0.6
10601	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS10, 90pc duty cycle)	WLAN	6.82	±0.6
10602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS11, 90pc duty cycle)	WLAN	6.84	±0.6
10603	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS12, 90pc duty cycle)	WLAN	6.03	±0.6
10604	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS13, 90pc duty cycle)	WLAN	6.76	±0.6
10605	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS14, 90pc duty cycle)	WLAN	6.97	±0.6
10606	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS15, 90pc duty cycle)	WLAN	6.82	±0.6
10607	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	6.84	±0.6
10608	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	6.77	±0.6

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10609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±0.6
10610	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.79	±0.6
10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±0.6
10612	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±0.6
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.54	±0.6
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±0.6
10615	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±0.6
10616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.89	±0.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±0.6
10618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±0.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.06	±0.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±0.6
10621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±0.6
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±0.6
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±0.6
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±0.6
10625	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.96	±0.6
10626	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.83	±0.6
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±0.6
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±0.6
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±0.6
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±0.6
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±0.6
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±0.6
10633	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±0.6
10634	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±0.6
10635	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±0.6
10636	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±0.6
10637	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.78	±0.6
10638	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±0.6
10639	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±0.6
10640	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±0.6
10641	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.96	±0.6
10642	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.98	±0.6
10643	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±0.6
10644	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.85	±0.6
10645	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.11	±0.6
10646	AAH	LTE-TDD (FDDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.94	±0.4
10647	AAQ	LTE-TDD (FDDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±0.4
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±0.1
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	8.81	±0.4
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±0.6
10654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	8.86	±0.4
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±0.6
10656	AAQ	Pulse Waveform (200Hz, 10%)	Test	10.06	±0.4
10658	AAQ	Pulse Waveform (200Hz, 20%)	Test	8.88	±0.1
10660	AAQ	Pulse Waveform (200Hz, 40%)	Test	3.88	±0.4
10661	AAQ	Pulse Waveform (200Hz, 60%)	Test	2.22	±0.4
10662	AAQ	Pulse Waveform (200Hz, 80%)	Test	0.57	±0.4
10670	AAA	Bluetooth Low Energy	Bluetooth	2.18	±0.4
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.89	±0.4
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±0.4
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.70	±0.4
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±0.4
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.80	±0.4
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±0.4
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±0.4
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±0.4
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±0.4
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±0.4
10681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±0.4
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±0.4
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.43	±0.4
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.26	±0.4
10685	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.33	±0.4
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.28	±0.4

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10587	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.45	±0.5
10588	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.29	±0.5
10589	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.55	±0.5
10590	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.29	±0.5
10591	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.25	±0.5
10592	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.29	±0.5
10593	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.25	±0.5
10594	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.57	±0.5
10595	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±0.5
10596	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±0.5
10597	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.51	±0.5
10598	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±0.5
10599	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±0.5
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±0.5
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±0.5
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±0.5
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±0.5
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.50	±0.5
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.89	±0.5
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±0.5
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.32	±0.5
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.55	±0.5
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.33	±0.5
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.29	±0.5
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.39	±0.5
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.67	±0.5
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.35	±0.5
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.28	±0.5
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.41	±0.5
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.30	±0.5
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.48	±0.5
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.04	±0.5
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±0.5
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±0.5
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±0.5
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±0.5
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.79	±0.5
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±0.5
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±0.5
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±0.5
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±0.5
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±0.5
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.54	±0.5
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±0.5
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.42	±0.5
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.48	±0.5
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.40	±0.5
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.25	±0.5
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.33	±0.5
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.27	±0.5
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.36	±0.5
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.42	±0.5
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.29	±0.5
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.48	±0.5
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.43	±0.5
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.43	±0.5
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±0.5
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.18	±0.5
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.03	±0.5
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.11	±0.5
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.04	±0.5
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±0.5
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±0.5
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±0.5
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.02	±0.5
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±0.5

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10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	5.00	±0.5
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	5.04	±0.5
10755	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	5.64	±0.5
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	5.77	±0.5
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	5.77	±0.5
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	5.88	±0.5
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	5.58	±0.5
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	5.48	±0.5
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	5.58	±0.5
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	5.48	±0.5
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	5.53	±0.5
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	5.54	±0.5
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	5.54	±0.5
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	5.57	±0.5
10767	AAQ	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.90	±0.5
10768	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.07	±0.5
10769	AAQ	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.07	±0.5
10770	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.32	±0.5
10771	AAQ	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±0.5
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±0.5
10773	AAE	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±0.5
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.07	±0.5
10775	AAE	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±0.5
10776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±0.5
10777	AAQ	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±0.5
10778	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±0.5
10779	AAQ	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±0.5
10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.36	±0.5
10781	AAE	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±0.5
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±0.5
10783	AAQ	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±0.5
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.28	±0.5
10785	AAQ	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±0.5
10786	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±0.5
10787	AAQ	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±0.5
10788	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±0.5
10789	AAE	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±0.5
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±0.5
10791	AAQ	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±0.5
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±0.5
10793	AAQ	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±0.5
10794	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±0.5
10795	AAQ	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.94	±0.5
10796	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±0.5
10797	AAE	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±0.5
10798	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.90	±0.5
10799	AAE	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±0.5
10800	AAE	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.88	±0.5
10801	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±0.5
10802	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±0.5
10803	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.90	±0.5
10804	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.04	±0.5
10805	AAQ	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±0.5
10806	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.5
10807	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.5
10808	AAE	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.5
10809	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±0.5
10810	AAE	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±0.5
10811	AAQ	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±0.5
10812	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.04	±0.5
10813	AAQ	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.03	±0.5
10814	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±0.5
10815	AAE	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±0.5
10816	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±0.5
10817	AAE	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±0.5
10818	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.38	±0.5
10819	AAE	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±0.5
10820	AAE	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±0.5
10821	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±0.5
10822	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±0.5

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10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±0.5
10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.83	±0.6
10831	AAO	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±0.6
10832	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±0.6
10833	AAO	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±0.6
10834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±0.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±0.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±0.6
10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±0.6
10838	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±0.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±0.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±0.6
10843	AAO	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.48	±0.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±0.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±0.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±0.6
10855	AAO	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±0.6
10856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±0.6
10857	AAO	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±0.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±0.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±0.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±0.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±0.6
10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±0.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±0.6
10865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±0.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.88	±0.6
10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.89	±0.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±0.5
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.88	±0.5
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±0.5
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.02	±0.5
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.81	±0.5
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±0.5
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±0.5
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±0.5
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±0.5
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±0.5
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±0.5
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.36	±0.5
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±0.5
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±0.5
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±0.5
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.93	±0.5
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±0.5
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±0.5
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±0.5
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±0.5
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.62	±0.5
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.48	±0.5
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±0.5
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±0.5
10897	AAE	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±0.5
10898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±0.5
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±0.5
10900	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±0.5
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±0.5
10902	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±0.5
10903	AAO	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±0.5
10904	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±0.5
10905	AAO	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±0.5
10906	AAO	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±0.5
10907	AAE	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±0.5
10908	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±0.5
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±0.5
10910	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±0.5

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June 25, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	Line# & = 2
10311	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±0.5
10312	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±0.5
10313	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±0.5
10314	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±0.5
10315	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±0.5
10316	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±0.5
10317	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±0.5
10318	AAB	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±0.5
10319	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±0.5
10320	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±0.5
10321	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.5
10322	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±0.5
10323	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.5
10324	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.5
10325	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±0.5
10326	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.5
10327	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±0.5
10328	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.5
10329	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±0.5
10330	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.53	±0.5
10331	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.5
10332	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.5
10333	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.5
10334	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.53	±0.5
10335	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±0.5
10336	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±0.5
10337	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±0.5
10338	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±0.5
10339	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±0.5
10340	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±0.5
10341	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±0.5
10342	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±0.5
10343	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±0.5
10344	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±0.5
10345	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±0.5
10346	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±0.5
10347	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±0.5
10348	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±0.5
10349	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±0.5
10350	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±0.5
10351	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±0.5
10352	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.25	±0.5
10353	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.15	±0.5
10354	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.23	±0.5
10355	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.42	±0.5
10356	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.14	±0.5
10357	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.31	±0.5
10358	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.61	±0.5
10359	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.32	±0.5
10360	AAB	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.32	±0.5
10361	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.36	±0.5
10362	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.40	±0.5
10363	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.50	±0.5
10364	AAB	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.26	±0.5
10365	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.37	±0.5
10366	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.55	±0.5
10367	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	6.42	±0.5
10368	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	6.46	±0.5
10372	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.58	±0.5
10373	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	0.06	±0.5
10374	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.08	±0.5
10376	AAA	ULLA BDR	ULLA	1.18	±0.5
10379	AAA	ULLA HDR4	ULLA	9.58	±0.5
10380	AAA	ULLA HDR8	ULLA	10.02	±0.5
10381	AAA	ULLA HDRp4	ULLA	3.19	±0.5
10382	AAA	ULLA HDRp8	ULLA	3.43	±0.5

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June 25, 2025

USD	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±0.6
10984	AAG	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±0.6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±0.6
10986	AAG	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±0.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±0.6
10988	AAG	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±0.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.59	±0.6
10990	AAG	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±0.6
11000	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±0.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±0.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.70	±0.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±0.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±0.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±0.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±0.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	±0.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.56	±0.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.58	±0.6
11013	AAG	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	9.47	±0.6
11014	AAG	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	9.46	±0.6
11015	AAG	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	9.44	±0.6
11016	AAG	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	9.44	±0.6
11017	AAG	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	9.41	±0.6
11018	AAG	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	9.40	±0.6
11019	AAG	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	9.29	±0.6
11020	AAG	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	9.27	±0.6
11021	AAG	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	9.46	±0.6
11022	AAG	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	9.36	±0.6
11023	AAG	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	9.09	±0.6
11024	AAG	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±0.6
11025	AAG	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	9.37	±0.6
11026	AAG	IEEE 802.11be (320 MHz, MCS14, 99pc duty cycle)	WLAN	9.38	±0.6

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

**Calibration Laboratory of
Schmid & Partner
Engineering AG**

Zeughausstrasse 43, 8004 Zurich, Switzerland

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Accreditation No.: **SCS 0108****Client** **HCT**
Gyeonggi-do, Republic of Korea**Certificate No.** **EX-3903_Jul25****CALIBRATION CERTIFICATE**

Object EX3DV4 - SN:3903

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 July 23, 2025

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.
All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3) °C and humidity < 70%.
Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Calibration Date (Certificate No.)	Sched. Cal.
Power Sensor R&S NRP-33T	SN: 100967	26-Mar-25 (No. 217-04290)	Mar-26
N-type mismatch combination	SN: L1119	26-Mar-25 (No. 217-04292)	Mar-26
OCP DAK-12	SN: 1016	24-Sept-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sept-24 (No. OCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-26
DAE4	SN: 1301	07-Nov-24 (No. DAE4-1301_Nov24)	Nov-25

Secondary Standards	ID	Check Date (in house)	Sched. Check
ACAP 2020 Setup 1	SN: L1404	30-Sept-24 (No. Report_ACAP2020E-Cave_20240930a)	Sep-25
OCP DAK-12	SN: 1029	27-Feb-25 (No. OCP-DAK12-1029_Feb25)	Feb-26
OCP DAK-3.5	SN: 1336	09-Dec-24 (No. OCP-DAK3.5-1336_Dec24)	Dec-25

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

Issued: July 23, 2025

Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



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Accreditation No.: SCS 0108

Glossary

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

Calibration is Performed According to the Following Standards:

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices – Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 885664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

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

EX3DV4 - SN:3903

July 23, 2025

Parameters of Probe: EX3DV4 - SN:3903

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ($\mu V/(V/m)^2$) ^A	0.44	0.59	0.68	±10.1%
DCP (mV) ^B	101.9	107.4	104.7	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB $\sqrt{\mu V}$	C	D dB	VR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	121.3	±1.3%	±4.7%
		Y	0.00	0.00	1.00		140.3		
		Z	0.00	0.00	1.00		128.9		
10352	Pulse Waveform (200Hz, 10%)	X	20.00	90.55	20.48	10.00	60.0	±3.5%	±9.6%
		Y	1.45	60.28	5.95		60.0		
		Z	1.71	61.60	7.03		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	91.48	19.65	6.99	80.0	±2.9%	±9.6%
		Y	0.85	60.00	4.77		80.0		
		Z	0.78	60.00	5.07		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	94.72	19.69	3.98	95.0	±2.8%	±9.6%
		Y	0.48	60.00	3.64		95.0		
		Z	0.03	126.16	0.24		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	96.05	18.87	2.22	120.0	±1.8%	±9.6%
		Y	11.35	88.13	2.15		120.0		
		Z	5.52	159.98	13.89		120.0		
10387	QPSK Waveform, 1 MHz	X	1.63	65.33	14.63	1.00	150.0	±4.2%	±9.6%
		Y	0.55	64.77	12.78		150.0		
		Z	0.50	63.24	11.92		150.0		
10388	QPSK Waveform, 10 MHz	X	2.18	67.64	15.37	0.00	150.0	±1.0%	±9.6%
		Y	1.36	66.71	14.11		150.0		
		Z	1.28	65.60	13.64		150.0		
10396	64-QAM Waveform, 100 kHz	X	3.16	71.43	19.01	3.01	150.0	±1.3%	±9.6%
		Y	1.91	66.68	16.95		150.0		
		Z	1.64	64.04	15.97		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.48	67.03	15.63	0.00	150.0	±2.2%	±9.6%
		Y	2.83	66.68	15.23		150.0		
		Z	2.77	66.10	15.00		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.89	65.61	15.45	0.00	150.0	±3.9%	±9.6%
		Y	3.77	66.24	15.31		150.0		
		Z	3.91	66.54	15.53		150.0		

Note: For details on UID parameters see Appendix

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

^A The uncertainties of Norm X,Y,Z do not affect the E^2 -field uncertainty inside TSL (see Pages 5 and 6).

^B Linearization parameter uncertainty for maximum specified field strength.

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

EX3DV4 - SN:3903

July 23, 2025

Parameters of Probe: EX3DV4 - SN:3903

Sensor Model Parameters

	C1 IF	C2 IF	α V ⁻¹	T1 ms V ⁻²	T2 ms V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
x	52.9	392.31	35.09	11.50	0.36	5.07	1.28	0.31	1.01
y	9.0	64.37	32.65	5.48	0.00	4.90	0.74	0.00	1.00
z	9.4	69.30	34.27	2.27	0.00	4.94	0.00	0.06	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	43.9°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	12 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

EX3DV4 - SN:3903

July 23, 2025

Parameters of Probe: EX3DV4 - SN:3903

Calibration Parameter Determined in HSL

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
750	41.9	0.89	9.04	9.60	9.60	0.40	1.27	±11.0%
835	41.5	0.90	8.84	9.38	9.39	0.40	1.27	±11.0%
900	41.5	0.97	8.70	9.23	9.24	0.40	1.27	±11.0%
1750	40.1	1.37	7.43	7.88	7.89	0.39	1.27	±11.0%
1900	40.0	1.40	7.24	7.68	7.68	0.39	1.27	±11.0%
2300	39.5	1.67	6.86	7.28	7.28	0.39	1.27	±11.0%
2450	39.2	1.80	6.68	7.09	7.10	0.39	1.27	±11.0%
2600	39.0	1.96	6.54	6.94	6.94	0.39	1.27	±11.0%
3300	38.2	2.71	6.27	6.65	6.65	0.39	1.27	±13.1%
3500	37.9	2.91	6.17	6.55	6.55	0.39	1.27	±13.1%
3700	37.7	3.12	6.11	6.48	6.49	0.38	1.27	±13.1%
3900	37.5	3.32	6.02	6.39	6.39	0.38	1.27	±13.1%
4100	37.2	3.53	5.92	6.29	6.29	0.38	1.27	±13.1%
4400	36.9	3.84	5.75	6.10	6.10	0.38	1.27	±13.1%
4600	36.7	4.04	5.64	5.99	5.99	0.38	1.27	±13.1%
4800	36.4	4.25	5.60	5.94	5.95	0.38	1.27	±13.1%
4950	36.3	4.40	5.52	5.86	5.86	0.36	1.27	±13.1%
5250	35.9	4.71	5.12	5.43	5.43	0.33	1.27	±13.1%
5600	35.5	5.07	4.83	4.92	4.92	0.30	1.27	±13.1%
5750	35.4	5.22	4.70	4.99	4.99	0.28	1.27	±13.1%
5800	35.3	5.27	4.69	4.97	4.97	0.27	1.27	±13.1%

^C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–8 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

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

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

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

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Parameters of Probe: EX3DV4 - SN:3903

Calibration Parameter Determined in HSL

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
6500	34.5	6.07	5.08	5.39	5.39	0.20	1.27	±18.6%

^C Frequency validity is -500/+700 MHz at 6.5 GHz, ±700 MHz at or above 7 GHz, and ±150 MHz at 9.85 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than ±10% from the target values (typically better than ±5%) 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 lip diameter from the boundary.

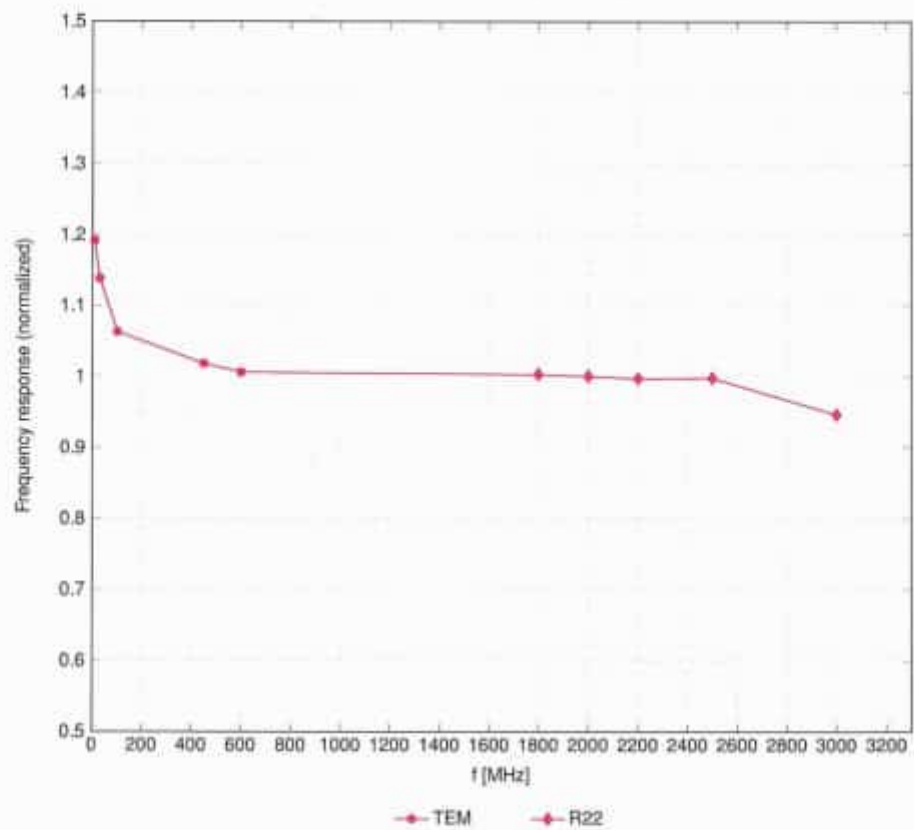
^H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

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Frequency Response of E-Field

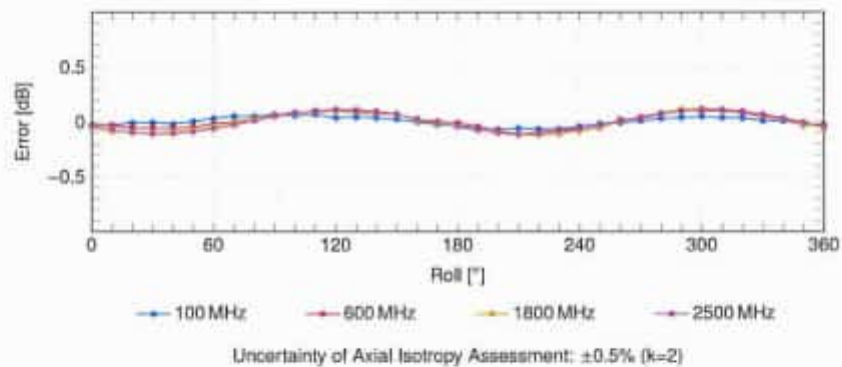
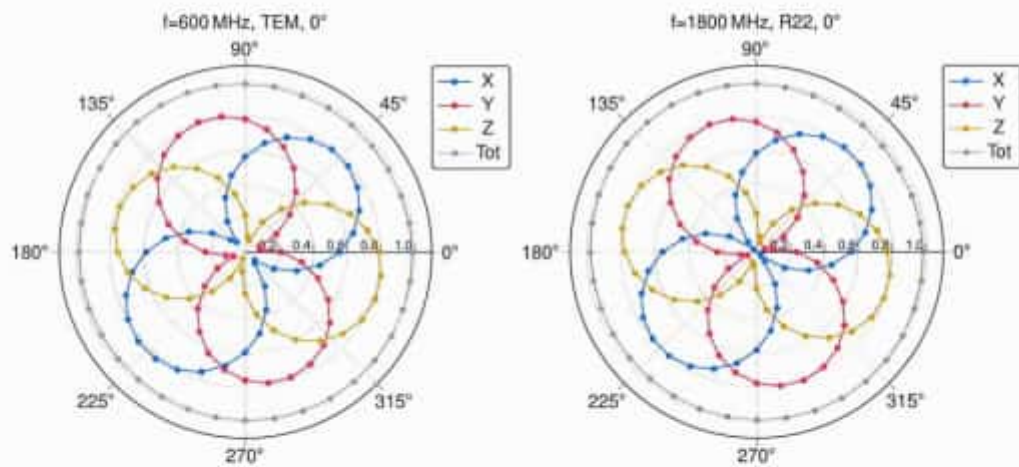
(TEM-Cell:ifi110 EXX, Waveguide:R22)


Uncertainty of Frequency Response of E-field: $\pm 5.3\%$ ($k=2$)

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



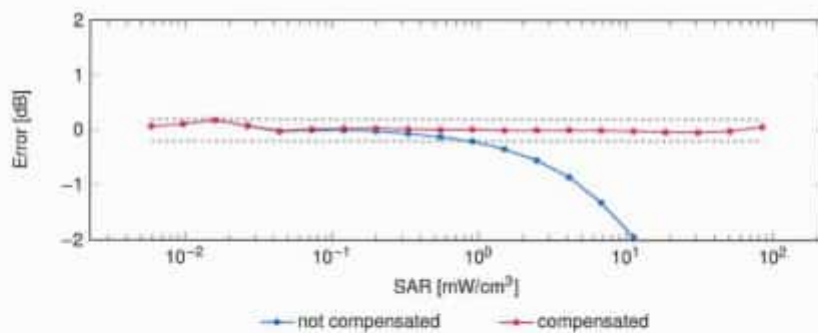
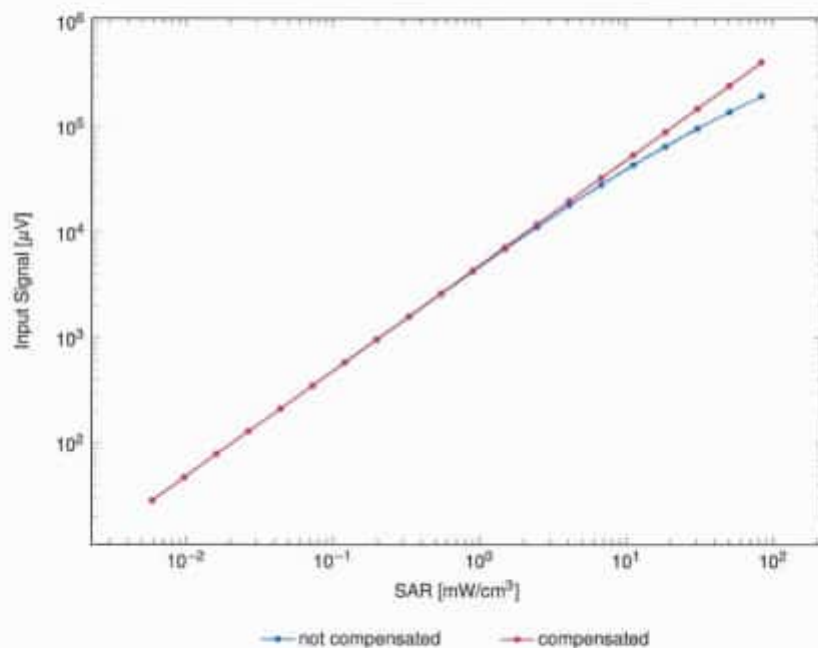
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

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Dynamic Range f(SAR_{HSL})

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

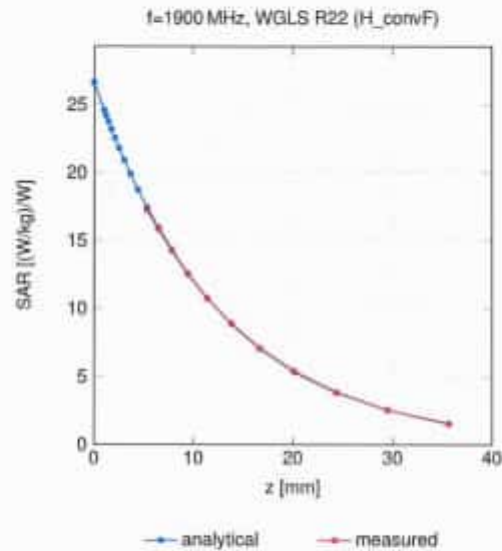


Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

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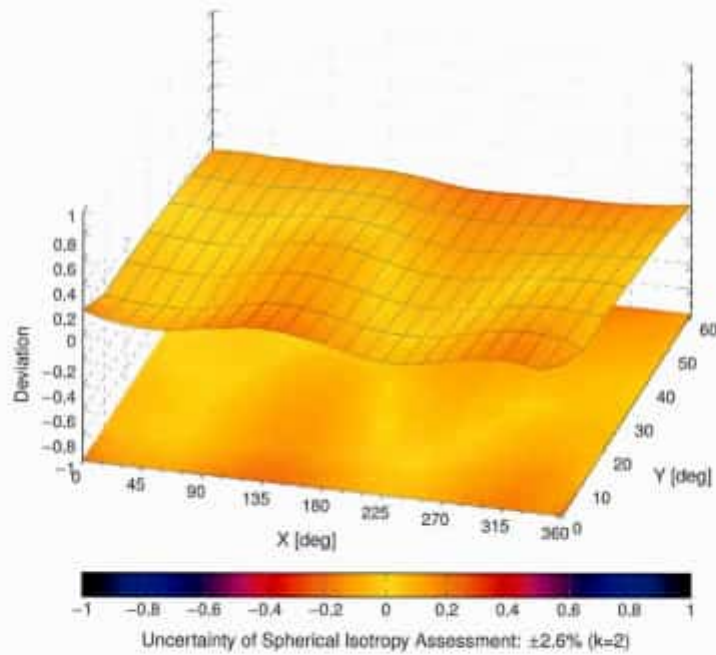
July 23, 2025

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ψ, θ), f=900 MHz



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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^k k = 2
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI4-DQPSK, Fullrate)	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
10058	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mbps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.80	±9.6
10062	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	8.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSPA)	WCDMA	3.96	±9.6
10098	CAC	UMTS-FDD (HSPA, Subsect 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	8.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 18 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.78	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10148	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.82	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	AAQ	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.06	±9.6
10194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
10197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
10221	CAE	IEEE 802.11n (HT Mixed, 72.3 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
10223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.46	±9.6
10224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

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10225	CAC	UMTS-FDD (HSFRA+)	WCDMA	5.87	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	8.22	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.46	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.46	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Roll-off 0.5)	PHS	11.81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Roll-off 0.38)	PHS	12.18	±9.6
10290	AAB	CDMA2000, RC1, SC55, Full Rate	CDMA2000	3.91	±9.6
10291	AAB	CDMA2000, RC3, SC55, Full Rate	CDMA2000	3.46	±9.6
10292	AAB	CDMA2000, RC3, SC32, Full Rate	CDMA2000	3.39	±9.6
10293	AAB	CDMA2000, RC3, SC3, Full Rate	CDMA2000	3.50	±9.6
10295	AAB	CDMA2000, RC1, SC3, 1/8th Rate 25 k	CDMA2000	12.49	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	6.81	±9.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	6.72	±9.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10301	AAA	IEEE 802.16e WMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WIMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	±9.6
10303	AAA	IEEE 802.16e WMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.58	±9.6
10304	AAA	IEEE 802.16e WMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6
10305	AAA	IEEE 802.16e WMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	±9.6
10306	AAA	IEEE 802.16e WMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WIMAX	14.07	±9.6

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10307	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	±9.6
10308	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	±9.6
10310	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.86	±9.6
10313	AAA	iDEN 1.3	iDEN	10.51	±9.6
10314	AAA	iDEN 1.6	iDEN	10.48	±9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.36	±9.6
10317	AAE	IEEE 802.11g WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10367	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10395	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAF	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, R03, R032, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preamble)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preamble)	WLAN	8.19	±9.6
10422	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAD	IEEE 802.11n (HT Greenfield, 72.3 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAD	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAB	WCDMA (BS Test Model 1, 64 DPCCH)	WCDMA	8.60	±9.6
10435	AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAB	WCDMA (BS Test Model 1, 64 DPCCH, Clipping 44%)	WCDMA	7.59	±9.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAD	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
10457	AAB	UMTS-FDD (SC-FDMA)	WCDMA	8.62	±9.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	8.55	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10460	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.36	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
10463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10471	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6

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10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.16	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.87	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.66	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.87	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10538	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10540	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

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10541	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.85	±9.6
10543	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.85	±9.6
10544	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10553	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.81	±9.6
10560	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.58	±9.6
10562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.88	±9.6
10563	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.87	±9.6
10583	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10592	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10600	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10601	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
10604	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
10605	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10606	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10607	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
10608	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

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10609	AAD	IEEE 802.11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAD	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAD	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAD	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAD	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10638	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
10639	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10641	AAE	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAE	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
10656	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.90	±9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.80	±9.6
10676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.52	±9.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.42	±9.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.26	±9.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.33	±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.28	±9.6

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.37	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.81	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.46	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.56	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.84	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6

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10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.89	±9.6
10768	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
10788	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.04	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAF	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10827	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
10829	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

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10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.83	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.86	±9.6
10837	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.88	±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	7.57	±9.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10897	AAE	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10900	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.65	±9.6
10903	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.65	±9.6
10906	AAD	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10907	AAE	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
10910	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10911	AAS	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAE	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAS	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10936	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10960	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10961	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.38	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10963	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
10966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.46	±9.6
10972	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.58	±9.6
10973	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.08	±9.6
10974	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
10978	AAA	ULLA BDR	ULLA	1.16	±9.6
10979	AAA	ULLA HDR4	ULLA	8.58	±9.6
10980	AAA	ULLA HDR8	ULLA	10.32	±9.6
10981	AAA	ULLA HDRp4	ULLA	3.19	±9.6
10982	AAA	ULLA HDRp8	ULLA	3.43	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc [±] k = 2
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.34	±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	6.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	6.76	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	6.95	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	6.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	6.88	±9.6
11013	AAB	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	6.47	±9.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	6.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	6.44	±9.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	6.44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	6.41	±9.6
11018	AAB	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	6.40	±9.6
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	6.29	±9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	6.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	6.46	±9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	6.36	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	6.09	±9.6
11024	AAB	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	6.42	±9.6
11025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	6.37	±9.6
11026	AAB	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	6.35	±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.

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



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 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

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

Certificate No. **EX-7681_Nov25**

CALIBRATION CERTIFICATE

Object: **EX3DV4 - SN:7681**

Calibration procedure(s): **QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6,
 QA CAL-25.v8, QA CAL-48.v2**
 Calibration procedure for dosimetric E-field probes

Calibration date: **November 21, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
 The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.
 All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^\circ\text{C}$ and humidity $< 70\%$.
 Calibration Equipment used (MATE critical for calibration)

Primary Standards	ID	Calibration Date (Certificate No.)	Sched. Cal.
Power Sensor P&S NRP 30T	SN: 100067	29-Oct-25 (No. Part of L1407)	Oct-25
N-type mismatch combination	SN: L1119	26-Mar-25 (No. 217-04292)	Mar-25
CCP DAK-12	SN: 1016	16-Sept-25 (No. CCP-DAK12-1016_Sep25)	Sep-26
CCP DAK-0.5	SN: 1240	16-Sept-25 (No. CCP-DAK3.5-1240_Sep25)	Sep-28
Reference Probe EX3DV4	SN: 7681	19-Jan-25 (No. EX3-7681_Jan25)	Jan-28
DAE4	SN: 1301	30-Oct-25 (No. DAE4-1301_Oct25)	Oct-28
Secondary Standards	ID	Check Date (in house)	Sched. Check
ACAP 2020 Setup 1	SN: L1404	01-Oct-25 (No. IHCR_ADAP2025-1_Oct25)	Oct-28
CCP DAK-10	SN: 1020	27-Feb-25 (No. CCP-DAK12-1020_Feb25)	Feb-26
CCP DAK-0.5	SN: 1336	09-Dec-24 (No. CCP-DAK3.5-1336_Dec24)	Dec-25

Calibrated by	Name Krzysztof Franke	Function Laboratory Technician	Signature
Approved by	Name Sven Klein	Function Technical Manager	Signature

Issued: November 24, 2025

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

Certificate No: EX-7681_Nov25

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정	78-13-10-15				

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



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Multilateral Agreement for the recognition of calibration certificates

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Glossary

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

Calibration is Performed According to the Following Standards:

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices – Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KOB III6664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

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

EX3DV4 - SN:7681

November 21, 2025

Parameters of Probe: EX3DV4 - SN:7681

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ($\mu V/(V/m)^2$) ^A	0.68	0.65	0.70	$\pm 10.1\%$
DCP (mV) ^B	103.0	104.2	100.7	$\pm 4.7\%$

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB μV	C	D dB	VH mV	Max dev.	Max Unc ^E k = 2
0	Continuous Wave	X	0.00	0.00	1.00	0.00	142.7	$\pm 1.0\%$	$\pm 4.7\%$
		Y	0.00	0.00	1.00		140.5		
		Z	0.00	0.00	1.00		123.4		
10352	Pulse (D=10%, T=5 ms)	X	0.48	69.89	18.21	10.00	23.0	$\pm 1.3\%$	$\pm 9.6\%$
		Y	0.58	67.71	17.48		24.0		
		Z	0.59	69.05	17.96		24.0		
10353	Pulse (D=20%, T=5 ms)	X	0.45	72.90	18.28	5.99	47.0	$\pm 1.4\%$	$\pm 9.6\%$
		Y	0.54	70.72	17.54		47.0		
		Z	0.55	72.06	18.02		48.0		
10354	Pulse (D=40%, T=5 ms)	X	0.42	75.91	18.34	3.98	93.0	$\pm 1.2\%$	$\pm 9.6\%$
		Y	0.50	73.73	17.81		94.0		
		Z	0.51	75.07	18.88		96.0		
10355	Pulse (D=60%, T=5 ms)	X	0.40	77.67	18.38	2.22	140.0	$\pm 1.2\%$	$\pm 9.6\%$
		Y	0.48	75.50	17.66		141.0		
		Z	0.49	76.83	18.12		144.0		
10387	Random (BW=1 MHz, MOD=QPSK)	X	0.01	74.79	19.82	0.14	109.0	$\pm 1.5\%$	$\pm 9.6\%$
		Y	0.01	72.62	18.71		111.0		
		Z	0.00	73.95	19.43		113.0		
10388	Random (BW=10 MHz, MOD=QPSK)	X	1.74	74.07	17.05	0.00	115.0	$\pm 2.4\%$	$\pm 9.6\%$
		Y	1.67	72.50	16.49		117.0		
		Z	1.69	73.84	17.07		119.0		
10390	Random (BW=100 kHz, MOD=64QAM)	X	0.02	73.61	21.59	1.74	81.0	$\pm 4.6\%$	$\pm 9.6\%$
		Y	0.00	71.44	21.04		82.0		
		Z	0.02	72.76	21.23		84.0		
10399	Random (BW=40 MHz, MOD=64QAM)	X	3.98	73.61	16.91	0.00	107.0	$\pm 3.7\%$	$\pm 9.6\%$
		Y	3.47	71.44	16.33		108.0		
		Z	3.73	72.76	16.93		111.0		
10414	Random (BW=40 MHz, HIGH PAR)	X	4.89	71.55	16.91	0.00	78.0	$\pm 1.5\%$	$\pm 9.6\%$
		Y	4.34	69.18	16.32		79.0		
		Z	4.52	70.52	16.93		81.0		

Note: For details on UID parameters see Appendix

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

^A The uncertainties of Norm X,Y,Z do not affect the E^2 field uncertainty inside TSL (see Page 5).

^B Line/coupling parameter uncertainty for maximum specified field strength.

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

EX3DV4 - SN:7661

November 21, 2025

Parameters of Probe: EX3DV4 - SN:7661

Sensor Model Parameters

	C1 IF	C2 IF	α V^{-1}	T1 msV^{-2}	T2 msV^{-1}	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
x	10.5	78.02	54.99	0.92	0.90	4.90	0.27	0.00	1.00
y	12.1	58.37	54.20	1.71	0.00	4.90	0.20	0.00	1.00
z	13.6	78.81	35.38	0.92	0.00	4.90	0.24	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	82.1°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	12 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 wet Area Scan job.

EX3DV4 - SN:7681

November 21, 2025

Parameters of Probe: EX3DV4 - SN:7681

Calibration Parameter Determined in HSL

f (MHz) ¹	Relative Permittivity ^F	Conductivity ^F (S/m)	CorrF X	CorrF Y	CorrF Z	Alpha ^G	Depth ^H (mm)	Unc ^I (k = 2)
3000	38.3	2.71	6.75	7.17	7.05	0.37	1.27	±13.1%
3500	37.9	2.91	6.62	7.04	6.93	0.37	1.27	±13.1%
3700	37.7	3.12	6.71	7.13	7.01	0.37	1.27	±13.1%
3900	37.5	3.32	6.62	7.04	6.92	0.37	1.27	±13.1%
4100	37.2	3.53	6.43	6.84	6.73	0.37	1.27	±13.1%
4400	36.9	3.84	6.33	6.73	6.62	0.37	1.27	±13.1%
4600	36.7	4.04	6.17	6.56	6.45	0.37	1.27	±13.1%
4800	36.4	4.25	6.24	6.64	6.53	0.38	1.27	±13.1%
4950	36.3	4.40	6.07	6.46	6.35	0.35	1.27	±13.1%
5250	35.9	4.71	5.55	5.90	5.80	0.32	1.27	±13.1%
5600	35.5	5.07	5.14	5.47	5.38	0.29	1.27	±13.1%
5750	35.4	5.22	5.18	5.51	5.42	0.27	1.27	±13.1%
5800	35.3	5.27	5.07	5.39	5.30	0.27	1.27	±13.1%

¹ Frequency validity above 300 MHz of a 100 MHz only applies for DAB/F of 4 and higher (see Page 15), else it is restricted to <50 MHz. The uncertainty is the HSE of the CorrF uncertainty at calibration frequency and the uncertainty for the indicated frequency level. Frequency validity below 300 MHz is <10, 25, 40, 50 and 75 MHz for CorrF assessments at 20, 54, 129, 191 and 270 MHz respectively. Validity of CorrF assessed at 5 MHz is 4-6 MHz, and CorrF assessed at 10 MHz is 9-18 MHz. Above 5 GHz frequency validity can be extended to <15 MHz.

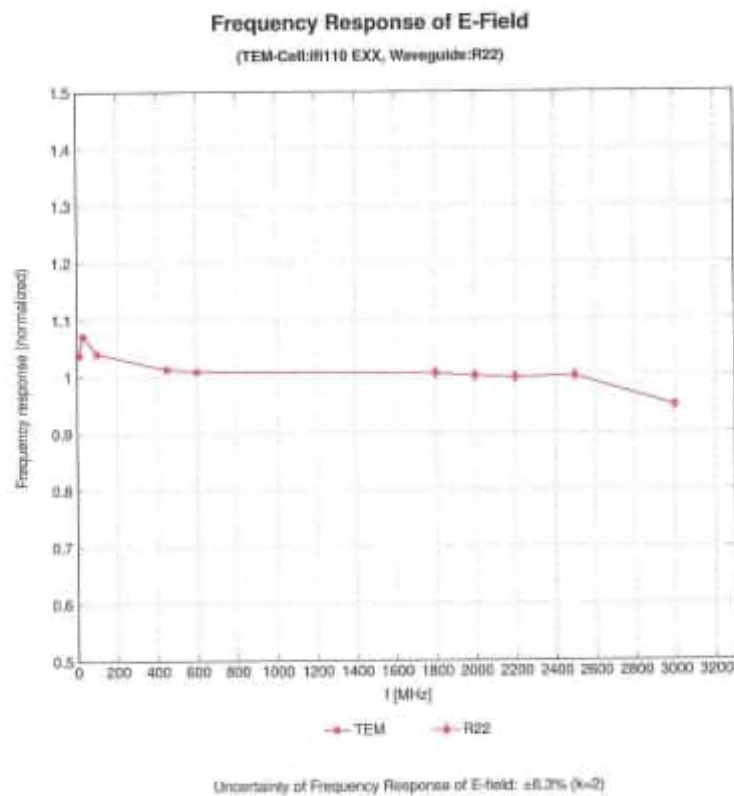
^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ' and σ by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

^G Alpha/Depth are determined during calibration. SP5AG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 5 GHz and below ±2% for frequencies between 5-8 GHz at any distance larger than half the probe tip diameter from the boundary.

^I The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-CorrF. This is equivalent to the uncertainty component with the symbol CF in Table 1 of IEC/IEEE 62209-1:2018/2020.

EX3DV4 - SN:7681

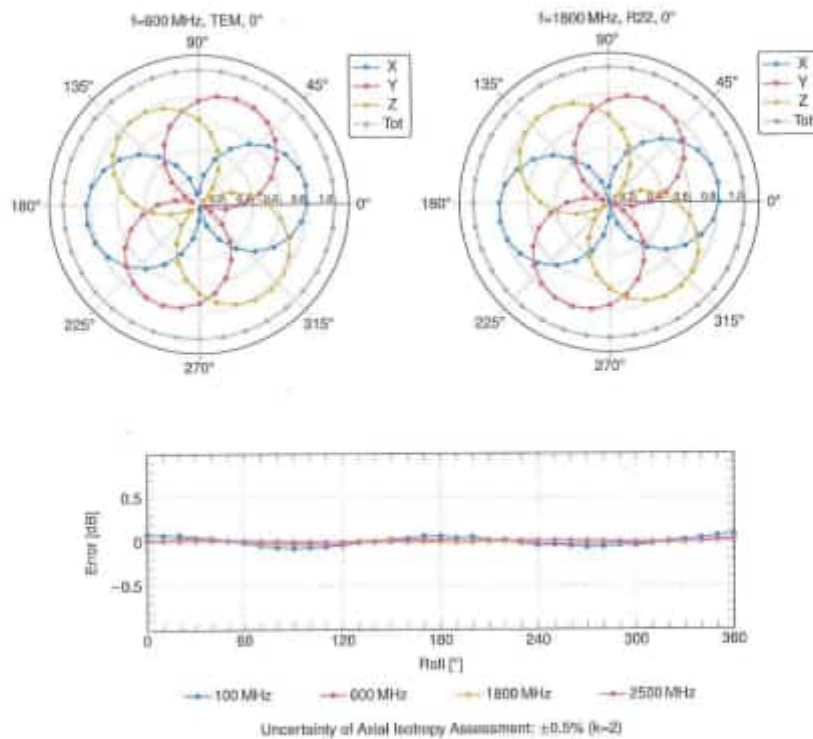
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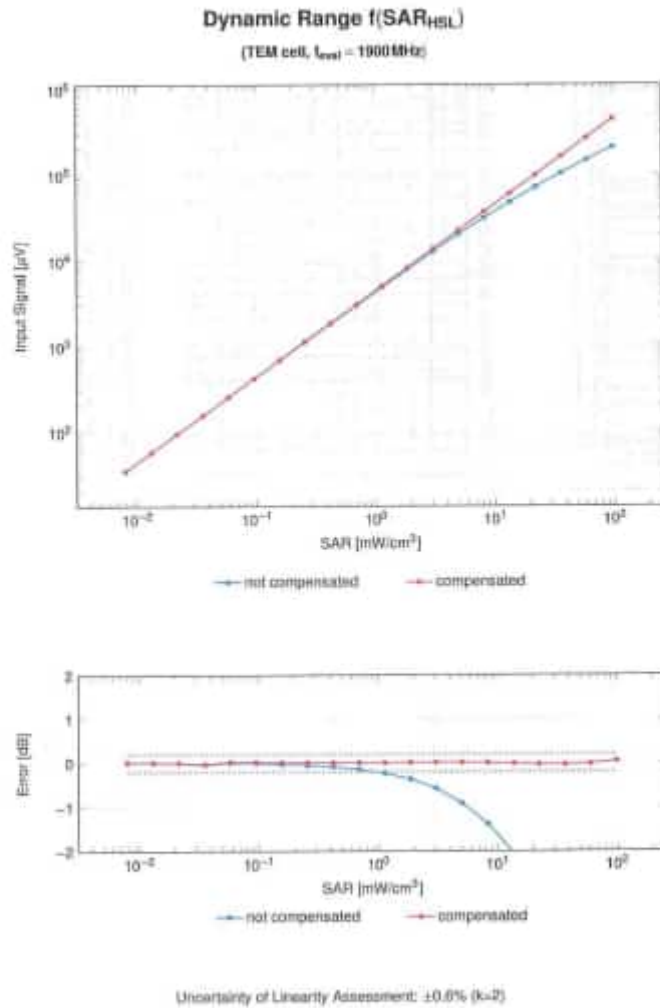
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Receiving Pattern (ϕ), $\theta = 0^\circ$



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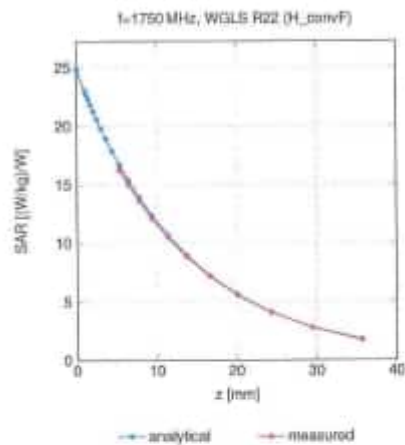
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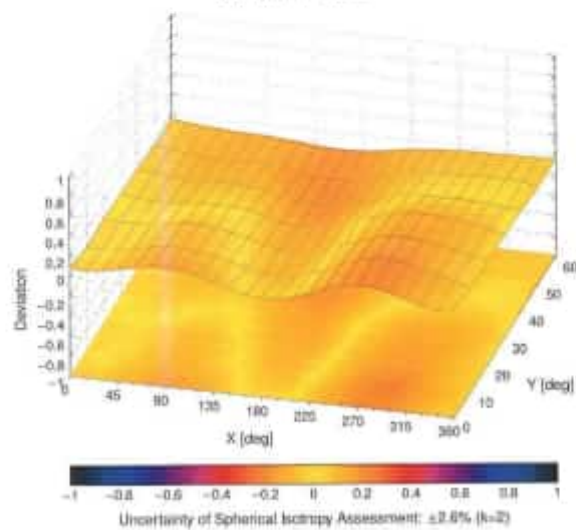
November 21, 2025

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), $f = 900 \text{ MHz}$



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Appendix: Modulation Calibration Parameters

UE3	Rev	Communication System Name	Group	PA0 (dB)	Ume* ± m
6		Continuous Wave	CW	0.00	±4.7
10010	CAB	Pulse (D=10%, T=100 ms)	Pulse	10.00	±9.8
10011	CAB	Ref. 99, RBW: QPSK, 5.0 MHz	WCDMA	2.91	±9.8
10012	CAB	DSSS, DQPSK, 1.0 Mbps, 82.3% DC	WLAN	1.87	±9.8
10013	CAB	OFDM, QPSK, 6.0 Mbps, 72.1% DC	WLAN	6.46	±9.8
10021	CAC	Voice, QAM16, 1 slot(s)	GSM	8.38	±9.8
10023	CAC	Data, QAM16, 1 slot(s)	GSM	8.57	±9.8
10024	CAC	Data, QAM16, 2 slot(s)	GSM	8.94	±9.8
10025	CAC	Data, QPSK, 1 slot(s)	GSM	12.82	±9.8
10026	CAC	Data, QPSK, 2 slot(s)	GSM	9.25	±9.8
10027	CAC	Data, QAM16, 3 slot(s)	GSM	4.80	±9.8
10028	CAC	Data, QAM16, 4 slot(s)	GSM	3.30	±9.8
10029	CAC	Data, QPSK, 3 slot(s)	GSM	7.78	±9.8
10030	CAA	BR, DH, QPSK	Bluetooth	5.35	±9.8
10031	CAA	BR, DH, QPSK	Bluetooth	1.87	±9.8
10032	CAA	BR, DH, QPSK	Bluetooth	1.16	±9.8
10033	CAA	EDR, DH, 16-QAM	Bluetooth	7.74	±9.8
10034	CAA	EDR, DH, 16-QAM	Bluetooth	4.53	±9.8
10035	CAA	EDR, DH, 16-QAM	Bluetooth	3.83	±9.8
10036	CAA	EDR, DH, 16-QAM	Bluetooth	9.81	±9.8
10037	CAA	EDR, DH, 16-QAM	Bluetooth	4.77	±9.8
10038	CAA	EDR, DH, 16-QAM	Bluetooth	4.10	±9.8
10039	CAB	NCI, 16-QAM	CDMA2000	4.57	±9.8
10040	CAA	Full Rate, QPSK, 1 slot(s)	DECT	13.40	±9.8
10041	CAA	Double Rate, QPSK, 2 slot(s)	DECT	10.79	±9.8
10042	CAA	TD-SCDMA, QPSK, 1.8 MHz	TD-SCDMA	11.81	±9.8
10043	CAC	Data, QPSK, 4 slot(s)	GSM	8.92	±9.8
10044	CAB	DSSS, DQPSK, 2.0 Mbps, 87.4% DC	WLAN	2.12	±9.8
10045	CAB	HR-SSSS, DQPSK, 5.5 Mbps, 72.1% DC	WLAN	2.83	±9.8
10046	CAB	HR-SSSS, DQPSK, 11.0 Mbps, 57.5% DC	WLAN	3.60	±9.8
10047	CAC	OFDM, QPSK, 6.0 Mbps, 88.1% DC	WLAN	8.88	±9.8
10048	CAC	OFDM, QPSK, 6.0 Mbps, 88.1% DC	WLAN	8.53	±9.8
10049	CAC	OFDM, QPSK, 12.0 Mbps, 82.3% DC	WLAN	9.39	±9.8
10050	CAC	OFDM, QPSK, 18.0 Mbps, 76.0% DC	WLAN	9.90	±9.8
10051	CAC	OFDM, 16QAM, 24.0 Mbps, 70.8% DC	WLAN	9.38	±9.8
10052	CAC	OFDM, 16QAM, 36.0 Mbps, 62.9% DC	WLAN	10.12	±9.8
10053	CAC	OFDM, 16QAM, 48.0 Mbps, 55.8% DC	WLAN	10.24	±9.8
10054	CAC	OFDM, 16QAM, 54.0 Mbps, 54.4% DC	WLAN	10.50	±9.8
10055	CAB	OFDM, QPSK, 9.0 Mbps, 85.1% DC	WLAN	9.83	±9.8
10056	CAB	OFDM, QPSK, 12.0 Mbps, 88.1% DC	WLAN	9.82	±9.8
10057	CAB	OFDM, QPSK, 18.0 Mbps, 82.3% DC	WLAN	9.84	±9.8
10058	CAB	OFDM, 16QAM, 24.0 Mbps, 76.0% DC	WLAN	10.20	±9.8
10059	CAB	OFDM, 16QAM, 36.0 Mbps, 62.9% DC	WLAN	10.77	±9.8
10060	CAB	OFDM, 16QAM, 48.0 Mbps, 55.8% DC	WLAN	10.84	±9.8
10061	CAB	OFDM, 16QAM, 54.0 Mbps, 54.4% DC	WLAN	11.00	±9.8
10062	CAB	NCI, 16-QAM	CDMA2000	3.87	±9.8
10063	CAC	Ref. 5 HS-DSSS, QPSK, 3.0 MHz	WCDMA	3.88	±9.8
10064	CAC	Ref. 5 HS-DSSS, Subnet 2, QPSK, 3.0 MHz	WCDMA	3.98	±9.8
10100	CAP	30.0 MHz, QPSK, 100% RB	LTE-FDD	5.87	±9.8
10101	CAP	30.0 MHz, 16QAM, 100% RB	LTE-FDD	5.42	±9.8
10102	CAP	30.0 MHz, 64QAM, 100% RB	LTE-FDD	5.80	±9.8
10103	CAH	30.0 MHz, QPSK, UL/DL CFI: 1, SBC: 4, 100% RB	LTE-TDD	5.28	±9.8
10104	CAH	30.0 MHz, 16QAM, UL/DL CFI: 1, SBC: 4, 100% RB	LTE-TDD	5.87	±9.8
10105	CAH	30.0 MHz, 64QAM, UL/DL CFI: 1, SBC: 4, 100% RB	LTE-TDD	10.21	±9.8
10106	CAH	10.0 MHz, QPSK, 100% RB	LTE-FDD	5.80	±9.8
10107	CAH	10.0 MHz, 16QAM, 100% RB	LTE-FDD	6.43	±9.8
10108	CAH	3.0 MHz, QPSK, 100% RB	LTE-FDD	5.75	±9.8
10109	CAH	3.0 MHz, 16QAM, 100% RB	LTE-FDD	6.44	±9.8
10110	CAH	10.0 MHz, 64QAM, 100% RB	LTE-FDD	6.39	±9.8
10111	CAH	3.0 MHz, 64QAM, 100% RB	LTE-FDD	6.02	±9.8
10112	CAC	HT40 Greenfield, MCS0 (13.0 Mbps), 89.7% DC	WLAN	8.10	±9.8
10113	CAC	HT40 Greenfield, MCS4 (81.0 Mbps), 89.7% DC	WLAN	8.46	±9.8
10114	CAC	HT40 Greenfield, MCS7 (155.0 Mbps), 89.7% DC	WLAN	8.16	±9.8

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URF	Rev	Communication System Name	Group	PAR (dB)	Line# 1-2
10117	CAE	HT40 Mixed, MCS0 (13.5 Mbps), 99.7% DC	WLAN	8.07	+9.0
10118	CAE	HT40 Mixed, MCS4 (91.0 Mbps), 99.7% DC	WLAN	8.50	+9.0
10119	CAE	HT40 Mixed, MCS7 (135.0 Mbps), 99.7% DC	WLAN	8.13	+9.0
10140	CAF	15.0 MHz, 16QAM, 100% RB	LTE-FDD	8.49	+9.0
10141	CAF	15.0 MHz, 16QAM, 100% RB	LTE-FDD	8.53	+9.0
10142	CAF	3.0 MHz, QPSK, 100% RB	LTE-FDD	5.79	+9.0
10143	CAF	3.0 MHz, 16QAM, 100% RB	LTE-FDD	8.50	+9.0
10144	CAF	3.0 MHz, 64QAM, 100% RB	LTE-FDD	8.64	+9.0
10145	CAG	1.4 MHz, QPSK, 100% RB	LTE-FDD	8.78	+9.0
10146	CAG	1.4 MHz, 16QAM, 100% RB	LTE-FDD	8.41	+9.0
10147	CAG	1.4 MHz, 64QAM, 100% RB	LTE-FDD	8.72	+9.0
10148	CAF	20.0 MHz, 16QAM, 50% RB	LTE-FDD	8.40	+9.0
10150	CAF	20.0 MHz, 16QAM, 50% RB	LTE-FDD	8.50	+9.0
10151	CAH	20.0 MHz, QPSK, UL/DL CFI: 1, SSC: 4, 50% RB	LTE-TDD	8.58	+9.0
10152	CAH	20.0 MHz, 16QAM, UL/DL CFI: 1, SSC: 4, 50% RB	LTE-TDD	8.50	+9.0
10153	CAH	20.0 MHz, 64QAM, UL/DL CFI: 1, SSC: 4, 10% RB	LTE-TDD	10.00	+9.0
10154	CAH	10.0 MHz, QPSK, 50% RB	LTE-FDD	8.75	+9.0
10155	CAH	10.0 MHz, 16QAM, 50% RB	LTE-FDD	8.43	+9.0
10156	CAH	5.0 MHz, QPSK, 50% RB	LTE-FDD	8.79	+9.0
10157	CAH	5.0 MHz, 16QAM, 50% RB	LTE-FDD	8.49	+9.0
10158	CAH	10.0 MHz, 64QAM, 50% RB	LTE-FDD	8.60	+9.0
10159	CAH	5.0 MHz, 64QAM, 50% RB	LTE-FDD	8.59	+9.0
10160	CAF	10.0 MHz, QPSK, 50% RB	LTE-FDD	8.62	+9.0
10161	CAF	10.0 MHz, 16QAM, 50% RB	LTE-FDD	8.43	+9.0
10162	CAF	10.0 MHz, 64QAM, 50% RB	LTE-FDD	8.54	+9.0
10163	CAG	1.4 MHz, QPSK, 50% RB	LTE-FDD	8.48	+9.0
10164	CAG	1.4 MHz, 16QAM, 50% RB	LTE-FDD	8.51	+9.0
10165	CAG	1.4 MHz, 64QAM, 50% RB	LTE-FDD	8.78	+9.0
10166	CAF	20.0 MHz, QPSK, 1 RB	LTE-FDD	8.79	+9.0
10167	CAF	20.0 MHz, 16QAM, 1 RB	LTE-FDD	8.52	+9.0
10170	CAF	20.0 MHz, 64QAM, 1 RB	LTE-FDD	8.49	+9.0
10171	AAP	20.0 MHz, 64QAM, 1 RB	LTE-FDD	8.49	+9.0
10172	CAH	20.0 MHz, QPSK, UL/DL CFI: 1, SSC: 4, 1 RB	LTE-TDD	8.41	+9.0
10173	CAH	20.0 MHz, 16QAM, UL/DL CFI: 1, SSC: 4, 1 RB	LTE-TDD	8.48	+9.0
10174	CAH	20.0 MHz, 64QAM, UL/DL CFI: 1, SSC: 4, 1 RB	LTE-TDD	10.25	+9.0
10175	CAH	10.0 MHz, QPSK, 1 RB	LTE-FDD	8.70	+9.0
10176	CAH	10.0 MHz, 16QAM, 1 RB	LTE-FDD	8.52	+9.0
10177	CAJ	5.0 MHz, QPSK, 1 RB	LTE-FDD	8.73	+9.0
10178	CAH	5.0 MHz, 16QAM, 1 RB	LTE-FDD	8.52	+9.0
10179	CAH	10.0 MHz, 64QAM, 1 RB	LTE-FDD	8.50	+9.0
10180	CAH	5.0 MHz, 64QAM, 1 RB	LTE-FDD	8.50	+9.0
10181	CAF	10.0 MHz, QPSK, 1 RB	LTE-FDD	8.72	+9.0
10182	CAF	10.0 MHz, 16QAM, 1 RB	LTE-FDD	8.52	+9.0
10183	AAP	10.0 MHz, 64QAM, 1 RB	LTE-FDD	8.50	+9.0
10184	CAF	3.0 MHz, QPSK, 1 RB	LTE-FDD	5.79	+9.0
10185	CAF	3.0 MHz, 16QAM, 1 RB	LTE-FDD	8.51	+9.0
10186	AAP	3.0 MHz, 64QAM, 1 RB	LTE-FDD	8.50	+9.0
10187	CAG	1.4 MHz, QPSK, 1 RB	LTE-FDD	8.79	+9.0
10188	CAG	1.4 MHz, 16QAM, 1 RB	LTE-FDD	8.52	+9.0
10189	AAG	1.4 MHz, 64QAM, 1 RB	LTE-FDD	8.50	+9.0
10193	CAE	HT20 Greenfield, MCS0 (8.5 Mbps), 99.4% DC	WLAN	8.09	+9.0
10194	CAE	HT20 Greenfield, MCS4 (59.5 Mbps), 99.5% DC	WLAN	8.12	+9.0
10195	CAE	HT20 Greenfield, MCS7 (85.0 Mbps), 99.5% DC	WLAN	8.21	+9.0
10196	CAE	HT20 Mixed, MCS0 (8.5 Mbps), 99.4% DC	WLAN	8.10	+9.0
10197	CAE	HT20 Mixed, MCS4 (59.5 Mbps), 99.5% DC	WLAN	8.12	+9.0
10198	CAE	HT20 Mixed, MCS7 (85.0 Mbps), 99.5% DC	WLAN	8.27	+9.0
10219	CAG	HT20 Mixed, MCS0 (7.3 Mbps), 99.0% DC	WLAN	8.00	+9.0
10220	CAG	HT20 Mixed, MCS4 (63.3 Mbps), 99.4% DC	WLAN	8.12	+9.0
10221	CAG	HT20 Mixed, MCS7 (79.2 Mbps), 99.4% DC	WLAN	8.27	+9.0
10222	CAG	HT40 Mixed, MCS0 (19.0 Mbps), 99.7% DC	WLAN	8.06	+9.0
10223	CAG	HT40 Mixed, MCS4 (90.0 Mbps), 99.7% DC	WLAN	8.46	+9.0
10224	CAG	HT40 Mixed, MCS7 (135.0 Mbps), 99.7% DC	WLAN	8.08	+9.0
10225	CAG	Rel. 7 HSPA+, 16QAM, 5.0 MHz	WCDMA	9.07	+9.0
10226	CAG	1.4 MHz, 16QAM, UL/DL CFI: 1, SSC: 4, 1 RB	LTE-TDD	9.49	+9.0
10227	CAG	1.4 MHz, 64QAM, UL/DL CFI: 1, SSC: 4, 1 RB	LTE-TDD	10.00	+9.0
10228	CAG	1.4 MHz, QPSK, UL/DL CFI: 1, SSC: 4, 1 RB	LTE-TDD	9.25	+9.0
10229	CAG	3.0 MHz, 16QAM, UL/DL CFI: 1, SSC: 4, 1 RB	LTE-FDD	9.48	+9.0

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UID	Rev	Communication System Name	Group	PAR (dB)	lim ² s = 2
10290	CAE	3.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 1 RB	LTE-TDD	10.25	±0.5
10291	CAE	3.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 1 RB	LTE-TDD	9.19	±0.5
10292	CAH	3.0MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 1 RB	LTE-TDD	9.48	±0.5
10293	CAH	3.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 1 RB	LTE-TDD	10.25	±0.5
10294	CAH	3.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 1 RB	LTE-TDD	9.21	±0.5
10295	CAH	10.0MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 1 RB	LTE-TDD	9.48	±0.5
10296	CAH	10.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 1 RB	LTE-TDD	10.25	±0.5
10297	CAH	10.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 1 RB	LTE-TDD	9.21	±0.5
10298	CAG	10.0MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 1 RB	LTE-TDD	9.48	±0.5
10299	CAG	10.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 1 RB	LTE-TDD	10.25	±0.5
10300	CAG	10.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 1 RB	LTE-TDD	9.21	±0.5
10301	CAC	1.4MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	9.92	±0.5
10302	CAC	1.4MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	9.96	±0.5
10303	CAC	1.4MHz, QPSK, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	9.45	±0.5
10304	CAE	3.0MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	10.36	±0.5
10305	CAE	3.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	10.36	±0.5
10306	CAE	3.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	9.30	±0.5
10307	CAH	3.0MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	9.91	±0.5
10308	CAH	3.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	10.28	±0.5
10309	CAH	3.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	9.29	±0.5
10310	CAH	10.0MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	9.91	±0.5
10311	CAH	10.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	10.17	±0.5
10312	CAH	10.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	9.24	±0.5
10313	CAG	10.0MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	9.90	±0.5
10314	CAG	10.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	10.14	±0.5
10315	CAG	10.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 50% RB	LTE-TDD	9.20	±0.5
10316	CAC	1.4MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	9.96	±0.5
10317	CAC	1.4MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	10.08	±0.5
10318	CAC	1.4MHz, QPSK, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	9.34	±0.5
10319	CAE	3.0MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	9.98	±0.5
10320	CAE	3.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	9.97	±0.5
10321	CAE	3.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	9.24	±0.5
10322	CAH	3.0MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	9.93	±0.5
10323	CAH	3.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	10.16	±0.5
10324	CAH	3.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	9.23	±0.5
10325	CAH	10.0MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	9.90	±0.5
10326	CAH	10.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	10.07	±0.5
10327	CAH	10.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	9.30	±0.5
10328	CAG	10.0MHz, 16QAM, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	10.06	±0.5
10329	CAG	10.0MHz, 64QAM, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	10.13	±0.5
10330	CAG	10.0MHz, QPSK, UL/DL CPG: 1, SSC: 4, 100% RB	LTE-TDD	9.34	±0.5
10274	CAC	Full 3-HSUPA Subnet 2, Intra, at 0, QPSK, 3.0MHz	WCDMA	4.87	±0.5
10275	CAC	Full 3-HSUPA Subnet 2, Intra, at 15, QPSK, 3.0MHz	WCDMA	3.96	±0.5
10298	AAA	PC1, 501E, Full frame test, 1xRTT	CDMA2000	3.91	±0.5
10299	AAA	PC1, 501E, Full frame test, 1xRTT	CDMA2000	3.46	±0.5
10300	AAA	PC1, 501E, Full frame test, 3G4H disabled, 1xRTT	CDMA2000	3.00	±0.5
10301	AAA	PC1, 501E, Full frame test, 1xRTT	CDMA2000	3.50	±0.5
10302	AAA	PC1, 501E, Full frame test, 1xRTT	CDMA2000	12.40	±0.5
10297	AAE	30.0MHz, QPSK, 50% RB	LTE-FDD	9.81	±0.5
10298	AAE	3.0MHz, QPSK, 50% RB	LTE-FDD	9.72	±0.5
10299	AAE	3.0MHz, 16QAM, 50% RB	LTE-FDD	9.30	±0.5
10300	AAE	3.0MHz, 64QAM, 50% RB	LTE-FDD	9.60	±0.5
10301	AAA	PUSC, 20-18, QPSK, 5.0ms, 18 TRAF SYM	WMAA	12.03	±0.5
10302	AAA	PUSC, 20-18, QPSK, 5.0ms, 15 TRAF SYM	WMAA	12.07	±0.5
10303	AAA	PUSC, 31-15, 64QAM, 5.0ms, 15 TRAF SYM	WMAA	12.32	±0.5
10304	AAA	PUSC, 20-18, 64QAM, 5.0ms, 18 TRAF SYM	WMAA	11.05	±0.5
10305	AAA	PUSC, 31-15, 64QAM, 10.0ms, 15 TRAF SYM	WMAA	12.24	±0.5
10306	AAA	PUSC, 20-18, 64QAM, 10.0ms, 18 TRAF SYM	WMAA	14.57	±0.5
10307	AAA	PUSC, 20-18, QPSK, 10.0ms, 18 TRAF SYM	WMAA	14.49	±0.5
10308	AAA	PUSC, 20-18, 16QAM, 10.0ms, 18 TRAF SYM	WMAA	14.46	±0.5
10309	AAA	AMC 2x3, 20-18, 16QAM, 10.0ms, 18 TRAF SYM	WMAA	14.58	±0.5
10310	AAA	AMC 2x3, 20-18, QPSK, 10.0ms, 18 TRAF SYM	WMAA	14.57	±0.5
10311	AAE	15.0MHz, QPSK, 100% RB	LTE-FDD	6.00	±0.5
10312	AAE	15.0MHz, QPSK, 100% RB	WLAN	1.71	±0.5
10313	AAE	OFDM, BPSK, 8.0Mbps, 50.0% DC	WLAN	8.36	±0.5
10314	AAE	OFDM, BPSK, 8.0Mbps, 50.0% DC	WLAN	8.36	±0.5

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UE	Ref	Communication System Name	Group	Power (dB)	Time $t = 2$
10352	AAA	Pulse (0-10%, T=0 ms)	Generic	10.00	±0.1
10353	AAA	Pulse (0-20%, T=0 ms)	Generic	0.20	±0.1
10354	AAA	Pulse (0-40%, T=0 ms)	Generic	0.00	±0.1
10355	AAA	Pulse (0-60%, T=0 ms)	Generic	0.00	±0.1
10356	AAA	Pulse (0-80%, T=0 ms)	Generic	0.00	±0.1
10357	AAA	Random (BW=1 MHz, MOD=QPSK)	Generic	0.10	±0.1
10358	AAA	Random (BW=10 MHz, MOD=QPSK)	Generic	0.00	±0.1
10359	AAA	Random (BW=100 MHz, MOD=64QAM)	Generic	0.00	±0.1
10360	AAA	Random (BW=40 MHz, MOD=64QAM)	Generic	0.00	±0.1
10400	AAF	VHT20, MCS0 (10.0 Mbps, 99.9% DC)	WLAN	0.00	±0.1
10401	AAF	VHT40, MCS0 (10.0 Mbps, 99.9% DC)	WLAN	0.00	±0.1
10402	AAF	VHT80, MCS0 (10.0 Mbps, 99.9% DC)	WLAN	0.00	±0.1
10403	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10404	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10405	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10406	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10407	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10408	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10409	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10410	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10411	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10412	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10413	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10414	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10415	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10416	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10417	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10418	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10419	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10420	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10421	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10422	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10423	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10424	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10425	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10426	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10427	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10428	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10429	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10430	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10431	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10432	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10433	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10434	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10435	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10436	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10437	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10438	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10439	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10440	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10441	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10442	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10443	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10444	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10445	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10446	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10447	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10448	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10449	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10450	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10451	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10452	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10453	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10454	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10455	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10456	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10457	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10458	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10459	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10460	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10461	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10462	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10463	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10464	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10465	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10466	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10467	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10468	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10469	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10470	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10471	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10472	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10473	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10474	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10475	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10476	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10477	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10478	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10479	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10480	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10481	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10482	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1
10483	AAB	Ref. 0, 1x EV-DO	CDMA2000	0.00	±0.1

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UNR	Rev	Communication System Name	Group	Power (dBm)	Qme ² ± 2
10484	AAG	3.0MHz, 84QAM, UL/DL, CPG: 0, SSC: 7, 30% RB	LTE-TDD	8.47	+0.0
10485	AAG	3.0MHz, QPSK, UL/DL, CPG: 0, SSC: 7, 50% RB	LTE-TDD	7.58	+0.0
10486	AAG	3.0MHz, 16QAM, UL/DL, CPG: 0, SSC: 7, 50% RB	LTE-TDD	8.38	+0.0
10487	AAG	3.0MHz, 84QAM, UL/DL, CPG: 0, SSC: 7, 50% RB	LTE-TDD	8.60	+0.0
10488	AAG	15.0MHz, QPSK, UL/DL, CPG: 0, SSC: 7, 50% RB	LTE-TDD	7.76	+0.0
10489	AAG	15.0MHz, 16QAM, UL/DL, CPG: 0, SSC: 7, 50% RB	LTE-TDD	8.31	+0.0
10490	AAG	15.0MHz, 84QAM, UL/DL, CPG: 0, SSC: 7, 50% RB	LTE-TDD	8.54	+0.0
10491	AAF	15.0MHz, QPSK, UL/DL, CPG: 0, SSC: 7, 30% RB	LTE-TDD	7.74	+0.0
10492	AAF	15.0MHz, 16QAM, UL/DL, CPG: 0, SSC: 7, 50% RB	LTE-TDD	8.41	+0.0
10493	AAF	15.0MHz, 84QAM, UL/DL, CPG: 0, SSC: 7, 50% RB	LTE-TDD	8.58	+0.0
10494	AAG	25.0MHz, QPSK, UL/DL, CPG: 0, SSC: 7, 0% RB	LTE-TDD	7.74	+0.0
10495	AAG	25.0MHz, 16QAM, UL/DL, CPG: 0, SSC: 7, 30% RB	LTE-TDD	8.37	+0.0
10496	AAG	25.0MHz, 84QAM, UL/DL, CPG: 0, SSC: 7, 30% RB	LTE-TDD	8.54	+0.0
10497	AAC	1.4MHz, QPSK, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	7.67	+0.0
10498	AAC	1.4MHz, 16QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.40	+0.0
10499	AAC	1.4MHz, 84QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.68	+0.0
10500	AAG	3.0MHz, QPSK, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	7.67	+0.0
10501	AAG	3.0MHz, 16QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.44	+0.0
10502	AAG	3.0MHz, 84QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.62	+0.0
10503	AAG	3.0MHz, QPSK, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	7.72	+0.0
10504	AAG	3.0MHz, 16QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.31	+0.0
10505	AAG	3.0MHz, 84QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.54	+0.0
10506	AAG	10.0MHz, QPSK, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	7.74	+0.0
10507	AAG	10.0MHz, 16QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.36	+0.0
10508	AAG	10.0MHz, 84QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.55	+0.0
10509	AAF	15.0MHz, QPSK, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	7.80	+0.0
10510	AAF	15.0MHz, 16QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.40	+0.0
10511	AAF	15.0MHz, 84QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.61	+0.0
10512	AAG	25.0MHz, QPSK, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	7.74	+0.0
10513	AAG	25.0MHz, 16QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.42	+0.0
10514	AAG	25.0MHz, 84QAM, UL/DL, CPG: 0, SSC: 7, 100% RB	LTE-TDD	8.60	+0.0
10515	AAA	802.11, QPSK, 2.0Mbps, 98.0% DC	WLAN	1.50	+0.0
10516	AAA	802.11, QPSK, 5.5Mbps, 98.0% DC	WLAN	1.57	+0.0
10517	AAA	802.11, QPSK, 11.0Mbps, 98.0% DC	WLAN	1.58	+0.0
10518	AAD	OFDM, QPSK, 9.0Mbps, 98.0% DC	WLAN	0.23	+0.0
10519	AAD	OFDM, QPSK, 18.0Mbps, 98.0% DC	WLAN	0.30	+0.0
10520	AAD	OFDM, QPSK, 36.0Mbps, 98.0% DC	WLAN	0.32	+0.0
10521	AAD	OFDM, 16QAM, 24.0Mbps, 98.0% DC	WLAN	0.37	+0.0
10522	AAD	OFDM, 16QAM, 36.0Mbps, 98.0% DC	WLAN	0.45	+0.0
10523	AAD	OFDM, 84QAM, 48.0Mbps, 98.0% DC	WLAN	0.50	+0.0
10524	AAD	OFDM, 84QAM, 54.0Mbps, 98.0% DC	WLAN	0.57	+0.0
10525	AAD	VHT20, MCS0 (6.5Mbps), 98.0% DC	WLAN	0.36	+0.0
10526	AAD	VHT20, MCS1 (13.0Mbps), 98.0% DC	WLAN	0.42	+0.0
10527	AAD	VHT20, MCS2 (19.5Mbps), 98.0% DC	WLAN	0.51	+0.0
10528	AAD	VHT20, MCS3 (26.0Mbps), 98.0% DC	WLAN	0.56	+0.0
10529	AAD	VHT20, MCS4 (32.5Mbps), 98.0% DC	WLAN	0.58	+0.0
10530	AAD	VHT20, MCS5 (39.0Mbps), 98.0% DC	WLAN	0.63	+0.0
10531	AAD	VHT20, MCS6 (45.5Mbps), 98.0% DC	WLAN	0.69	+0.0
10532	AAD	VHT20, MCS7 (52.0Mbps), 98.0% DC	WLAN	0.70	+0.0
10533	AAD	VHT20, MCS8 (58.5Mbps), 98.0% DC	WLAN	0.70	+0.0
10534	AAD	VHT40, MCS0 (13.0Mbps), 98.0% DC	WLAN	0.40	+0.0
10535	AAD	VHT40, MCS1 (26.0Mbps), 98.0% DC	WLAN	0.45	+0.0
10536	AAD	VHT40, MCS2 (39.0Mbps), 98.0% DC	WLAN	0.52	+0.0
10537	AAD	VHT40, MCS3 (52.0Mbps), 98.0% DC	WLAN	0.54	+0.0
10538	AAD	VHT40, MCS4 (65.0Mbps), 98.0% DC	WLAN	0.54	+0.0
10539	AAD	VHT40, MCS5 (78.0Mbps), 98.0% DC	WLAN	0.59	+0.0
10540	AAD	VHT40, MCS6 (91.0Mbps), 98.0% DC	WLAN	0.64	+0.0
10541	AAD	VHT40, MCS7 (104.0Mbps), 98.0% DC	WLAN	0.65	+0.0
10542	AAD	VHT40, MCS8 (117.0Mbps), 98.0% DC	WLAN	0.65	+0.0
10543	AAD	VHT40, MCS9 (130.0Mbps), 98.0% DC	WLAN	0.65	+0.0
10544	AAD	VHT80, MCS0 (26.0Mbps), 98.0% DC	WLAN	0.47	+0.0
10545	AAD	VHT80, MCS1 (52.0Mbps), 98.0% DC	WLAN	0.55	+0.0
10546	AAD	VHT80, MCS2 (78.0Mbps), 98.0% DC	WLAN	0.56	+0.0
10547	AAD	VHT80, MCS3 (104.0Mbps), 98.0% DC	WLAN	0.60	+0.0
10548	AAD	VHT80, MCS4 (130.0Mbps), 98.0% DC	WLAN	0.63	+0.0
10549	AAD	VHT80, MCS5 (156.0Mbps), 98.0% DC	WLAN	0.68	+0.0
10550	AAD	VHT80, MCS6 (182.0Mbps), 98.0% DC	WLAN	0.68	+0.0
10551	AAD	VHT80, MCS7 (208.0Mbps), 98.0% DC	WLAN	0.70	+0.0
10552	AAD	VHT80, MCS8 (234.0Mbps), 98.0% DC	WLAN	0.72	+0.0

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URL	Rev	Communication System Name	Group	PAR (dB)	Line# & -2
10553	AAG	VHT80, MCS9 (290.0 Mbps), 99.0% DC	WLAN	8.45	+0.0
10554	AAG	VHT160, MCS10 (580.0 Mbps), 99.0% DC	WLAN	8.48	+0.0
10555	AAG	VHT160, MCS11 (1170.0 Mbps), 99.0% DC	WLAN	8.47	+0.0
10556	AAG	VHT160, MCS12 (1755.0 Mbps), 99.0% DC	WLAN	8.50	+0.0
10557	AAG	VHT160, MCS13 (2340.0 Mbps), 99.0% DC	WLAN	8.53	+0.0
10558	AAG	VHT160, MCS14 (2910.0 Mbps), 99.0% DC	WLAN	8.61	+0.0
10559	AAG	VHT160, MCS15 (3495.0 Mbps), 99.0% DC	WLAN	8.73	+0.0
10560	AAG	VHT160, MCS17 (5595.0 Mbps), 99.0% DC	WLAN	8.58	+0.0
10561	AAG	VHT160, MCS18 (7060.0 Mbps), 99.0% DC	WLAN	8.55	+0.0
10562	AAG	VHT160, MCS19 (8820.0 Mbps), 99.0% DC	WLAN	8.77	+0.0
10563	AAA	OFDM, BPSK, 9.0 Mbps, 99.0% DC	WLAN	8.25	+0.0
10564	AAA	OFDM, QPSK, 18.0 Mbps, 99.0% DC	WLAN	8.45	+0.0
10565	AAA	OFDM, QPSK, 36.0 Mbps, 99.0% DC	WLAN	8.73	+0.0
10566	AAA	OFDM, QPSK, 72.0 Mbps, 99.0% DC	WLAN	8.73	+0.0
10567	AAA	OFDM, 16QAM, 144.0 Mbps, 99.0% DC	WLAN	8.80	+0.0
10568	AAA	OFDM, 16QAM, 288.0 Mbps, 99.0% DC	WLAN	8.57	+0.0
10569	AAA	OFDM, 64QAM, 576.0 Mbps, 99.0% DC	WLAN	8.10	+0.0
10570	AAA	OFDM, 64QAM, 1152.0 Mbps, 99.0% DC	WLAN	8.20	+0.0
10571	AAA	DSSS, DQPSK, 1.0 Mbps, 99.0% DC	WLAN	7.89	+0.0
10572	AAA	DSSS, DQPSK, 2.0 Mbps, 99.0% DC	WLAN	7.99	+0.0
10573	AAA	HR-DSSS, DQPSK, 5.5 Mbps, 99.0% DC	WLAN	7.98	+0.0
10574	AAA	HR-DSSS, DQPSK, 11.0 Mbps, 99.0% DC	WLAN	7.98	+0.0
10575	AAA	OFDM, BPSK, 4.5 Mbps, 99.0% DC	WLAN	8.28	+0.0
10576	AAA	OFDM, BPSK, 9.0 Mbps, 99.0% DC	WLAN	8.58	+0.0
10577	AAA	OFDM, QPSK, 18.0 Mbps, 99.0% DC	WLAN	8.70	+0.0
10578	AAA	OFDM, QPSK, 36.0 Mbps, 99.0% DC	WLAN	8.69	+0.0
10579	AAA	OFDM, 16QAM, 72.0 Mbps, 99.0% DC	WLAN	8.30	+0.0
10580	AAA	OFDM, 16QAM, 144.0 Mbps, 99.0% DC	WLAN	8.70	+0.0
10581	AAA	OFDM, 64QAM, 288.0 Mbps, 99.0% DC	WLAN	8.35	+0.0
10582	AAA	OFDM, 64QAM, 576.0 Mbps, 99.0% DC	WLAN	8.67	+0.0
10583	AAA	OFDM, BPSK, 0.9 Mbps, 99.0% DC	WLAN	8.59	+0.0
10584	AAD	OFDM, BPSK, 0.9 Mbps, 99.0% DC	WLAN	8.60	+0.0
10585	AAD	OFDM, QPSK, 1.8 Mbps, 99.0% DC	WLAN	8.70	+0.0
10586	AAD	OFDM, QPSK, 3.6 Mbps, 99.0% DC	WLAN	8.49	+0.0
10587	AAD	OFDM, 16QAM, 7.2 Mbps, 99.0% DC	WLAN	8.30	+0.0
10588	AAD	OFDM, 16QAM, 14.4 Mbps, 99.0% DC	WLAN	8.70	+0.0
10589	AAD	OFDM, 64QAM, 28.8 Mbps, 99.0% DC	WLAN	8.35	+0.0
10590	AAD	OFDM, 64QAM, 57.6 Mbps, 99.0% DC	WLAN	8.67	+0.0
10591	AAD	HT20 Mixed, MCS10 (85.0 Mbps), 99.0% DC	WLAN	8.93	+0.0
10592	AAD	HT20 Mixed, MCS11 (170.0 Mbps), 99.0% DC	WLAN	8.79	+0.0
10593	AAD	HT20 Mixed, MCS12 (255.0 Mbps), 99.0% DC	WLAN	8.64	+0.0
10594	AAD	HT20 Mixed, MCS13 (340.0 Mbps), 99.0% DC	WLAN	8.74	+0.0
10595	AAD	HT20 Mixed, MCS14 (425.0 Mbps), 99.0% DC	WLAN	8.74	+0.0
10596	AAD	HT20 Mixed, MCS15 (510.0 Mbps), 99.0% DC	WLAN	8.71	+0.0
10597	AAD	HT20 Mixed, MCS16 (595.0 Mbps), 99.0% DC	WLAN	8.70	+0.0
10598	AAD	HT20 Mixed, MCS17 (680.0 Mbps), 99.0% DC	WLAN	8.50	+0.0
10599	AAD	HT40 Mixed, MCS18 (136.0 Mbps), 99.0% DC	WLAN	8.79	+0.0
10600	AAD	HT40 Mixed, MCS19 (272.0 Mbps), 99.0% DC	WLAN	8.89	+0.0
10601	AAD	HT40 Mixed, MCS20 (408.0 Mbps), 99.0% DC	WLAN	8.82	+0.0
10602	AAD	HT40 Mixed, MCS21 (544.0 Mbps), 99.0% DC	WLAN	8.94	+0.0
10603	AAD	HT40 Mixed, MCS22 (680.0 Mbps), 99.0% DC	WLAN	8.93	+0.0
10604	AAD	HT40 Mixed, MCS23 (816.0 Mbps), 99.0% DC	WLAN	8.78	+0.0
10605	AAD	HT40 Mixed, MCS24 (952.0 Mbps), 99.0% DC	WLAN	8.67	+0.0
10606	AAD	HT40 Mixed, MCS25 (1088.0 Mbps), 99.0% DC	WLAN	8.82	+0.0
10607	AAD	VHT20, MCS19 (85.0 Mbps), 99.0% DC	WLAN	8.84	+0.0
10608	AAD	VHT20, MCS21 (133.0 Mbps), 99.0% DC	WLAN	8.77	+0.0
10609	AAD	VHT20, MCS22 (190.0 Mbps), 99.0% DC	WLAN	8.57	+0.0
10610	AAD	VHT20, MCS23 (257.0 Mbps), 99.0% DC	WLAN	8.78	+0.0
10611	AAD	VHT20, MCS24 (324.0 Mbps), 99.0% DC	WLAN	8.70	+0.0
10612	AAD	VHT20, MCS25 (391.0 Mbps), 99.0% DC	WLAN	8.77	+0.0
10613	AAD	VHT20, MCS26 (458.0 Mbps), 99.0% DC	WLAN	8.94	+0.0
10614	AAD	VHT20, MCS27 (525.0 Mbps), 99.0% DC	WLAN	8.58	+0.0
10615	AAD	VHT20, MCS28 (592.0 Mbps), 99.0% DC	WLAN	8.69	+0.0
10616	AAD	VHT40, MCS29 (136.0 Mbps), 99.0% DC	WLAN	8.82	+0.0
10617	AAD	VHT40, MCS31 (204.0 Mbps), 99.0% DC	WLAN	8.81	+0.0
10618	AAD	VHT40, MCS32 (272.0 Mbps), 99.0% DC	WLAN	8.90	+0.0
10619	AAD	VHT40, MCS33 (340.0 Mbps), 99.0% DC	WLAN	8.96	+0.0

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10620	AAG	VHT40, MCS4 (81.0 Mbps), 88.2% DC	WLAN	8.87	±0.0
10621	AAG	VHT40, MCS5 (100.0 Mbps), 88.8% DC	WLAN	8.77	±0.0
10622	AAG	VHT40, MCS6 (121.0 Mbps), 88.8% DC	WLAN	8.68	±0.0
10623	AAG	VHT40, MCS7 (135.0 Mbps), 88.8% DC	WLAN	8.52	±0.0
10624	AAG	VHT40, MCS8 (162.0 Mbps), 88.4% DC	WLAN	8.36	±0.0
10625	AAG	VHT40, MCS9 (190.0 Mbps), 88.2% DC	WLAN	8.50	±0.0
10626	AAG	VHT80, MCS10 (243.0 Mbps), 90.0% DC	WLAN	8.83	±0.0
10627	AAG	VHT80, MCS11 (267.0 Mbps), 90.0% DC	WLAN	8.80	±0.0
10628	AAG	VHT80, MCS12 (273.0 Mbps), 90.0% DC	WLAN	8.71	±0.0
10629	AAG	VHT80, MCS13 (277.0 Mbps), 90.0% DC	WLAN	8.60	±0.0
10630	AAG	VHT80, MCS14 (275.0 Mbps), 90.0% DC	WLAN	8.72	±0.0
10631	AAG	VHT80, MCS15 (234.0 Mbps), 90.0% DC	WLAN	8.81	±0.0
10632	AAG	VHT80, MCS16 (263.0 Mbps), 90.0% DC	WLAN	8.74	±0.0
10633	AAG	VHT80, MCS17 (262.0 Mbps), 90.0% DC	WLAN	8.83	±0.0
10634	AAG	VHT80, MCS18 (261.0 Mbps), 90.0% DC	WLAN	8.80	±0.0
10635	AAG	VHT80, MCS19 (260.0 Mbps), 90.0% DC	WLAN	8.81	±0.0
10636	AAG	VHT80, MCS20 (258.0 Mbps), 90.0% DC	WLAN	8.83	±0.0
10637	AAG	VHT160, MCS1 (117.0 Mbps), 90.0% DC	WLAN	8.70	±0.0
10638	AAG	VHT160, MCS2 (175.0 Mbps), 90.0% DC	WLAN	8.96	±0.0
10639	AAG	VHT160, MCS3 (234.0 Mbps), 90.0% DC	WLAN	8.85	±0.0
10640	AAG	VHT160, MCS4 (251.0 Mbps), 90.0% DC	WLAN	8.89	±0.0
10641	AAG	VHT160, MCS5 (460.0 Mbps), 90.0% DC	WLAN	8.90	±0.0
10642	AAG	VHT160, MCS6 (550.0 Mbps), 90.0% DC	WLAN	8.80	±0.0
10643	AAG	VHT160, MCS7 (580.0 Mbps), 90.0% DC	WLAN	8.89	±0.0
10644	AAG	VHT160, MCS8 (700.0 Mbps), 90.0% DC	WLAN	9.05	±0.0
10645	AAG	VHT160, MCS9 (780.0 Mbps), 90.0% DC	WLAN	9.11	±0.0
10646	AAG	5.0 MHz, QPSK, UL-DL CQI 2, SSC 4, 1 RB	LTE-TDD	11.98	±0.0
10647	AAG	5.0 MHz, QPSK, UL-DL CQI 2, SSC 7, 1 RB	LTE-TDD	11.98	±0.0
10648	AAA	RCI, DOTS, *Adversary	CDMA2000	3.45	±0.0
10670	AAA	LS, 16Q, 16FSK	Bluetooth	3.19	±0.0
10671	AAG	ET20, MCS0 (0.0 Mbps), 100.0% DC	WLAN	8.80	±0.0
10672	AAG	ET20, MCS1 (17.0 Mbps), 100.0% DC	WLAN	8.57	±0.0
10673	AAG	ET20, MCS2 (38.0 Mbps), 100.0% DC	WLAN	8.79	±0.0
10674	AAG	ET20, MCS3 (54.0 Mbps), 100.0% DC	WLAN	8.78	±0.0
10675	AAG	ET20, MCS4 (52.0 Mbps), 100.0% DC	WLAN	8.60	±0.0
10676	AAG	ET20, MCS5 (60.0 Mbps), 100.0% DC	WLAN	8.77	±0.0
10677	AAG	ET20, MCS6 (77.0 Mbps), 100.0% DC	WLAN	8.73	±0.0
10678	AAG	ET20, MCS7 (86.0 Mbps), 100.0% DC	WLAN	8.79	±0.0
10679	AAG	ET20, MCS8 (103.0 Mbps), 100.0% DC	WLAN	8.89	±0.0
10680	AAG	ET20, MCS9 (115.0 Mbps), 100.0% DC	WLAN	8.83	±0.0
10681	AAG	ET20, MCS10 (132.0 Mbps), 100.0% DC	WLAN	8.82	±0.0
10682	AAG	ET20, MCS11 (135.0 Mbps), 100.0% DC	WLAN	8.83	±0.0
10683	AAG	ET20, MCS12 (17.0 Mbps), 100.0% DC	WLAN	8.42	±0.0
10684	AAG	ET20, MCS13 (17.0 Mbps), 100.0% DC	WLAN	8.26	±0.0
10685	AAG	ET20, MCS14 (38.0 Mbps), 100.0% DC	WLAN	8.30	±0.0
10686	AAG	ET20, MCS15 (54.0 Mbps), 100.0% DC	WLAN	8.28	±0.0
10687	AAG	ET20, MCS16 (52.0 Mbps), 100.0% DC	WLAN	8.45	±0.0
10688	AAG	ET20, MCS17 (60.0 Mbps), 100.0% DC	WLAN	8.28	±0.0
10689	AAG	ET20, MCS18 (77.0 Mbps), 100.0% DC	WLAN	8.36	±0.0
10690	AAG	ET20, MCS19 (86.0 Mbps), 100.0% DC	WLAN	8.29	±0.0
10691	AAG	ET20, MCS20 (103.0 Mbps), 100.0% DC	WLAN	8.29	±0.0
10692	AAG	ET20, MCS21 (115.0 Mbps), 100.0% DC	WLAN	8.25	±0.0
10693	AAG	ET20, MCS22 (132.0 Mbps), 100.0% DC	WLAN	8.31	±0.0
10694	AAG	ET20, MCS23 (135.0 Mbps), 100.0% DC	WLAN	8.37	±0.0
10695	AAG	ET40, MCS0 (17.0 Mbps), 88.0% DC	WLAN	8.78	±0.0
10696	AAG	ET40, MCS1 (34.0 Mbps), 88.0% DC	WLAN	8.81	±0.0
10697	AAG	ET40, MCS2 (52.0 Mbps), 88.7% DC	WLAN	8.81	±0.0
10698	AAG	ET40, MCS3 (66.0 Mbps), 88.7% DC	WLAN	8.89	±0.0
10699	AAG	ET40, MCS4 (103.0 Mbps), 88.8% DC	WLAN	8.82	±0.0
10700	AAG	ET40, MCS5 (136.0 Mbps), 88.8% DC	WLAN	8.72	±0.0
10701	AAG	ET40, MCS6 (155.0 Mbps), 88.8% DC	WLAN	8.86	±0.0
10702	AAG	ET40, MCS7 (172.0 Mbps), 88.8% DC	WLAN	8.70	±0.0
10703	AAG	ET40, MCS8 (207.0 Mbps), 88.8% DC	WLAN	8.82	±0.0
10704	AAG	ET40, MCS9 (235.0 Mbps), 88.8% DC	WLAN	8.58	±0.0
10705	AAG	ET40, MCS10 (258.0 Mbps), 88.8% DC	WLAN	8.88	±0.0
10706	AAG	ET40, MCS11 (287.0 Mbps), 88.8% DC	WLAN	8.88	±0.0

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10707	AAC	ET48, MCS9 (17.2 Mbps), 98.8% DC	WLAN	8.32	+0.8
10708	AAC	ET48, MCS11 (24.0 Mbps), 98.7% DC	WLAN	8.33	+0.8
10709	AAC	ET48, MCS12 (32.0 Mbps), 98.7% DC	WLAN	8.33	+0.8
10710	AAC	ET48, MCS13 (40.0 Mbps), 98.7% DC	WLAN	8.29	+0.8
10711	AAC	ET48, MCS14 (50.0 Mbps), 98.7% DC	WLAN	8.39	+0.8
10712	AAC	ET48, MCS15 (60.0 Mbps), 98.8% DC	WLAN	8.37	+0.8
10713	AAC	ET48, MCS16 (70.0 Mbps), 98.8% DC	WLAN	8.33	+0.8
10714	AAC	ET48, MCS17 (80.0 Mbps), 98.8% DC	WLAN	8.36	+0.8
10715	AAC	ET48, MCS18 (90.0 Mbps), 98.8% DC	WLAN	8.45	+0.8
10716	AAC	ET48, MCS19 (100.0 Mbps), 98.8% DC	WLAN	8.30	+0.8
10717	AAC	ET48, MCS20 (110.0 Mbps), 98.8% DC	WLAN	8.46	+0.8
10718	AAC	ET48, MCS21 (120.0 Mbps), 98.8% DC	WLAN	8.39	+0.8
10719	AAC	ET80, MCS0 (0.0 Mbps), 98.0% DC	WLAN	8.81	+0.8
10720	AAC	ET80, MCS1 (12.0 Mbps), 98.0% DC	WLAN	8.87	+0.8
10721	AAC	ET80, MCS2 (24.0 Mbps), 98.0% DC	WLAN	8.76	+0.8
10722	AAC	ET80, MCS3 (36.0 Mbps), 98.0% DC	WLAN	8.55	+0.8
10723	AAC	ET80, MCS4 (48.0 Mbps), 98.0% DC	WLAN	8.70	+0.8
10724	AAC	ET80, MCS5 (60.0 Mbps), 98.0% DC	WLAN	8.80	+0.8
10725	AAC	ET80, MCS6 (72.0 Mbps), 98.0% DC	WLAN	8.74	+0.8
10726	AAC	ET80, MCS7 (84.0 Mbps), 98.0% DC	WLAN	8.72	+0.8
10727	AAC	ET80, MCS8 (96.0 Mbps), 98.0% DC	WLAN	8.88	+0.8
10728	AAC	ET80, MCS9 (108.0 Mbps), 98.0% DC	WLAN	8.85	+0.8
10729	AAC	ET80, MCS10 (120.0 Mbps), 98.0% DC	WLAN	8.84	+0.8
10730	AAC	ET80, MCS11 (132.0 Mbps), 98.0% DC	WLAN	8.87	+0.8
10731	AAC	ET80, MCS12 (144.0 Mbps), 100.0% DC	WLAN	8.42	+0.8
10732	AAC	ET80, MCS13 (156.0 Mbps), 100.0% DC	WLAN	8.60	+0.8
10733	AAC	ET80, MCS14 (168.0 Mbps), 100.0% DC	WLAN	8.60	+0.8
10734	AAC	ET80, MCS15 (180.0 Mbps), 100.0% DC	WLAN	8.59	+0.8
10735	AAC	ET80, MCS16 (192.0 Mbps), 100.0% DC	WLAN	8.53	+0.8
10736	AAC	ET80, MCS17 (204.0 Mbps), 100.0% DC	WLAN	8.27	+0.8
10737	AAC	ET80, MCS18 (216.0 Mbps), 100.0% DC	WLAN	8.36	+0.8
10738	AAC	ET80, MCS19 (228.0 Mbps), 100.0% DC	WLAN	8.42	+0.8
10739	AAC	ET80, MCS20 (240.0 Mbps), 100.0% DC	WLAN	8.29	+0.8
10740	AAC	ET80, MCS21 (252.0 Mbps), 100.0% DC	WLAN	8.48	+0.8
10741	AAC	ET80, MCS22 (264.0 Mbps), 100.0% DC	WLAN	8.40	+0.8
10742	AAC	ET80, MCS23 (276.0 Mbps), 100.0% DC	WLAN	8.45	+0.8
10743	AAC	ET180, MCS0 (0.0 Mbps), 98.0% DC	WLAN	8.98	+0.8
10744	AAC	ET180, MCS1 (144.0 Mbps), 97.1% DC	WLAN	9.16	+0.8
10745	AAC	ET180, MCS2 (288.0 Mbps), 97.4% DC	WLAN	8.93	+0.8
10746	AAC	ET180, MCS3 (432.0 Mbps), 97.5% DC	WLAN	9.11	+0.8
10747	AAC	ET180, MCS4 (576.0 Mbps), 97.4% DC	WLAN	9.04	+0.8
10748	AAC	ET180, MCS5 (720.0 Mbps), 98.8% DC	WLAN	8.90	+0.8
10749	AAC	ET180, MCS6 (864.0 Mbps), 98.7% DC	WLAN	8.80	+0.8
10750	AAC	ET180, MCS7 (1008.0 Mbps), 98.7% DC	WLAN	8.79	+0.8
10751	AAC	ET180, MCS8 (1152.0 Mbps), 98.3% DC	WLAN	8.82	+0.8
10752	AAC	ET180, MCS9 (1296.0 Mbps), 98.3% DC	WLAN	8.81	+0.8
10753	AAC	ET180, MCS10 (1440.0 Mbps), 98.3% DC	WLAN	9.00	+0.8
10754	AAC	ET180, MCS11 (1584.0 Mbps), 98.3% DC	WLAN	8.84	+0.8
10755	AAC	ET180, MCS12 (1728.0 Mbps), 98.0% DC	WLAN	8.84	+0.8
10756	AAC	ET180, MCS13 (1872.0 Mbps), 98.0% DC	WLAN	8.77	+0.8
10757	AAC	ET180, MCS14 (2016.0 Mbps), 97.1% DC	WLAN	8.77	+0.8
10758	AAC	ET180, MCS15 (2160.0 Mbps), 96.0% DC	WLAN	8.88	+0.8
10759	AAC	ET180, MCS16 (2304.0 Mbps), 97.1% DC	WLAN	8.58	+0.8
10760	AAC	ET180, MCS17 (2448.0 Mbps), 96.0% DC	WLAN	8.46	+0.8
10761	AAC	ET180, MCS18 (2592.0 Mbps), 96.0% DC	WLAN	8.59	+0.8
10762	AAC	ET180, MCS19 (2736.0 Mbps), 96.0% DC	WLAN	8.40	+0.8
10763	AAC	ET180, MCS20 (2880.0 Mbps), 95.9% DC	WLAN	8.30	+0.8
10764	AAC	ET180, MCS21 (3024.0 Mbps), 95.9% DC	WLAN	8.54	+0.8
10765	AAC	ET180, MCS22 (3168.0 Mbps), 96.0% DC	WLAN	8.54	+0.8
10766	AAC	ET180, MCS23 (3312.0 Mbps), 96.0% DC	WLAN	8.51	+0.8
10767	AAC	CP-OFDM, 5.0 MHz, QPSK, 15 MHz, 99.9% DC, 1 PRB	5G NR FR1 TDD	7.86	+0.8
10768	AAC	CP-OFDM, 10.0 MHz, QPSK, 15 MHz, 100.0% DC, 1 PRB	5G NR FR1 TDD	8.01	+0.8
10769	AAC	CP-OFDM, 15.0 MHz, QPSK, 15 MHz, 100.0% DC, 1 PRB	5G NR FR1 TDD	8.01	+0.8
10770	AAC	CP-OFDM, 20.0 MHz, QPSK, 15 MHz, 100.0% DC, 1 PRB	5G NR FR1 TDD	8.01	+0.8
10771	AAC	CP-OFDM, 25.0 MHz, QPSK, 15 MHz, 100.0% DC, 1 PRB	5G NR FR1 TDD	8.01	+0.8
10772	AAC	CP-OFDM, 30.0 MHz, QPSK, 15 MHz, 100.0% DC, 1 PRB	5G NR FR1 TDD	8.25	+0.8

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10773	AAF	CP-OFDM, 40.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.00	±0.5
10774	AAE	CP-OFDM, 50.0 MHz, QPSK, 15 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.00	±0.5
10775	AAF	CP-OFDM, 5.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	SG NR FR1 TDD	8.01	±0.5
10776	AAE	CP-OFDM, 10.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	SG NR FR1 TDD	8.30	±0.5
10777	AAE	CP-OFDM, 15.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	SG NR FR1 TDD	8.30	±0.5
10778	AAE	CP-OFDM, 20.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	SG NR FR1 TDD	8.34	±0.5
10779	AAE	CP-OFDM, 25.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	SG NR FR1 TDD	8.42	±0.5
10780	AAE	CP-OFDM, 30.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	SG NR FR1 TDD	8.58	±0.5
10781	AAF	CP-OFDM, 40.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	SG NR FR1 TDD	8.98	±0.5
10782	AAE	CP-OFDM, 50.0 MHz, QPSK, 15 kHz, 100.0% DC, 50% RB	SG NR FR1 TDD	8.43	±0.5
10783	AAE	CP-OFDM, 5.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	SG NR FR1 TDD	8.01	±0.5
10784	AAE	CP-OFDM, 10.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	SG NR FR1 TDD	8.28	±0.5
10785	AAE	CP-OFDM, 15.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	SG NR FR1 TDD	8.40	±0.5
10786	AAE	CP-OFDM, 20.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	SG NR FR1 TDD	8.35	±0.5
10787	AAE	CP-OFDM, 25.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	SG NR FR1 TDD	8.44	±0.5
10788	AAE	CP-OFDM, 30.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	SG NR FR1 TDD	8.39	±0.5
10789	AAF	CP-OFDM, 40.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	SG NR FR1 TDD	8.57	±0.5
10790	AAE	CP-OFDM, 50.0 MHz, QPSK, 15 kHz, 100.0% DC, 100% RB	SG NR FR1 TDD	8.39	±0.5
10791	AAE	CP-OFDM, 5.0 MHz, QPSK, 30 kHz, 99.9% DC, 1 RB	SG NR FR1 TDD	7.80	±0.5
10792	AAE	CP-OFDM, 10.0 MHz, QPSK, 30 kHz, 99.9% DC, 1 RB	SG NR FR1 TDD	7.80	±0.5
10793	AAE	CP-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.56	±0.5
10794	AAE	CP-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.82	±0.5
10795	AAE	CP-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.84	±0.5
10796	AAE	CP-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.82	±0.5
10797	AAF	CP-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.01	±0.5
10798	AAE	CP-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.88	±0.5
10799	AAF	CP-OFDM, 5.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.80	±0.5
10800	AAE	CP-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.80	±0.5
10801	AAE	CP-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.83	±0.5
10802	AAE	CP-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.80	±0.5
10803	AAE	CP-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.82	±0.5
10804	AAE	CP-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.83	±0.5
10805	AAE	CP-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.01	±0.5
10806	AAE	CP-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	7.88	±0.5
10807	AAE	CP-OFDM, 5.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10808	AAE	CP-OFDM, 10.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10809	AAE	CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10810	AAE	CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10811	AAE	CP-OFDM, 25.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10812	AAE	CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10813	AAE	CP-OFDM, 40.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.25	±0.5
10814	AAE	CP-OFDM, 50.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.04	±0.5
10815	AAE	CP-OFDM, 5.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10816	AAE	CP-OFDM, 10.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10817	AAE	CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10818	AAE	CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10819	AAE	CP-OFDM, 25.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10820	AAE	CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10821	AAE	CP-OFDM, 40.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.25	±0.5
10822	AAE	CP-OFDM, 50.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.04	±0.5
10823	AAE	CP-OFDM, 5.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10824	AAE	CP-OFDM, 10.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10825	AAE	CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10826	AAE	CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10827	AAE	CP-OFDM, 25.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10828	AAE	CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10829	AAE	CP-OFDM, 40.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.25	±0.5
10830	AAE	CP-OFDM, 50.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.04	±0.5
10831	AAE	CP-OFDM, 5.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10832	AAE	CP-OFDM, 10.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10833	AAE	CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10834	AAE	CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10835	AAE	CP-OFDM, 25.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10836	AAE	CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10837	AAE	CP-OFDM, 40.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.25	±0.5
10838	AAE	CP-OFDM, 50.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.04	±0.5
10839	AAE	CP-OFDM, 5.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10840	AAE	CP-OFDM, 10.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10841	AAE	CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10842	AAE	CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10843	AAE	CP-OFDM, 25.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10844	AAE	CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10845	AAE	CP-OFDM, 40.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.25	±0.5
10846	AAE	CP-OFDM, 50.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.04	±0.5
10847	AAE	CP-OFDM, 5.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10848	AAE	CP-OFDM, 10.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10849	AAE	CP-OFDM, 15.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10850	AAE	CP-OFDM, 20.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10851	AAE	CP-OFDM, 25.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10852	AAE	CP-OFDM, 30.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.05	±0.5
10853	AAE	CP-OFDM, 40.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.25	±0.5
10854	AAE	CP-OFDM, 50.0 MHz, QPSK, 60 kHz, 100.0% DC, 1 RB	SG NR FR1 TDD	8.04	±0.5

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UIC	Fee	Communication System Name	Group	PAR (dB)	Unc* ± 2
10858	AAF	CP-OFDM, 40.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.34	±0.0
10859	AAE	CP-OFDM, 50.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.41	±0.0
10861	AAF	CP-OFDM, 60.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.40	±0.0
10863	AAF	CP-OFDM, 80.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.41	±0.0
10864	AAE	CP-OFDM, 90.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.37	±0.0
10865	AAF	CP-OFDM, 100.0 MHz, QPSK, 60 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	8.41	±0.0
10866	AAF	DFT-s-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.68	±0.0
10868	AAF	DFT-s-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.88	±0.0
10869	AAE	DFT-s-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	5.75	±0.0
10870	AAE	DFT-s-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	5.86	±0.0
10871	AAE	DFT-s-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	5.75	±0.0
10872	AAE	DFT-s-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	5.82	±0.0
10873	AAE	DFT-s-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	5.81	±0.0
10874	AAE	DFT-s-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	5.85	±0.0
10875	AAE	CP-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	7.76	±0.0
10876	AAE	CP-OFDM, 100.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.39	±0.0
10877	AAE	CP-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	7.95	±0.0
10878	AAE	CP-OFDM, 100.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.41	±0.0
10879	AAE	CP-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	8.12	±0.0
10880	AAE	CP-OFDM, 100.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.26	±0.0
10881	AAE	DFT-s-OFDM, 50.0 MHz, QPSK, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	5.75	±0.0
10882	AAE	DFT-s-OFDM, 50.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	5.90	±0.0
10883	AAE	DFT-s-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	5.97	±0.0
10884	AAE	DFT-s-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	6.03	±0.0
10885	AAE	DFT-s-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	6.01	±0.0
10886	AAE	DFT-s-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	6.05	±0.0
10887	AAE	CP-OFDM, 50.0 MHz, QPSK, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	7.78	±0.0
10888	AAE	CP-OFDM, 50.0 MHz, QPSK, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.35	±0.0
10889	AAE	CP-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	8.02	±0.0
10890	AAE	CP-OFDM, 50.0 MHz, 16QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.40	±0.0
10891	AAE	CP-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 1 RB	5G NR FR2 TDD	8.13	±0.0
10892	AAE	CP-OFDM, 50.0 MHz, 64QAM, 120 kHz, 100.0% DC, 100% RB	5G NR FR2 TDD	8.41	±0.0
10897	AAE	DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.66	±0.0
10898	AAE	DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.87	±0.0
10899	AAE	DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.87	±0.0
10900	AAE	DFT-s-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.88	±0.0
10901	AAE	DFT-s-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.89	±0.0
10902	AAE	DFT-s-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.89	±0.0
10903	AAE	DFT-s-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.90	±0.0
10904	AAE	DFT-s-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.90	±0.0
10905	AAE	DFT-s-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.90	±0.0
10906	AAE	DFT-s-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.90	±0.0
10907	AAE	DFT-s-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 1 RB	5G NR FR1 TDD	5.90	±0.0
10908	AAE	DFT-s-OFDM, 10.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.93	±0.0
10909	AAE	DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.96	±0.0
10910	AAE	DFT-s-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.97	±0.0
10911	AAE	DFT-s-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.97	±0.0
10912	AAE	DFT-s-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.97	±0.0
10913	AAE	DFT-s-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.97	±0.0
10914	AAE	DFT-s-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.97	±0.0
10915	AAE	DFT-s-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.97	±0.0
10916	AAE	DFT-s-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.97	±0.0
10917	AAE	DFT-s-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 50% RB	5G NR FR1 TDD	5.97	±0.0
10918	AAE	DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.96	±0.0
10919	AAE	DFT-s-OFDM, 15.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.96	±0.0
10920	AAE	DFT-s-OFDM, 20.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.97	±0.0
10921	AAE	DFT-s-OFDM, 25.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.97	±0.0
10922	AAE	DFT-s-OFDM, 30.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.97	±0.0
10923	AAE	DFT-s-OFDM, 40.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.97	±0.0
10924	AAE	DFT-s-OFDM, 50.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.97	±0.0
10925	AAE	DFT-s-OFDM, 60.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.97	±0.0
10926	AAE	DFT-s-OFDM, 80.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.97	±0.0
10927	AAE	DFT-s-OFDM, 100.0 MHz, QPSK, 30 kHz, 100.0% DC, 100% RB	5G NR FR1 TDD	5.97	±0.0
10928	AAE	DFT-s-OFDM, 15.0 MHz, QPSK, 15 kHz, 1 RB	5G NR FR1 TDD	5.92	±0.0
10929	AAE	DFT-s-OFDM, 15.0 MHz, QPSK, 15 kHz, 1 RB	5G NR FR1 TDD	5.92	±0.0
10930	AAE	DFT-s-OFDM, 15.0 MHz, QPSK, 15 kHz, 1 RB	5G NR FR1 TDD	5.92	±0.0

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^a k = 2
10301	AAC	DFTs-OFDM, 25.0 MHz, QPSK, 15 kHz, 1 RB	SG NR FR1 FDD	5.51	±0.5
10302	AAC	DFTs-OFDM, 25.0 MHz, QPSK, 15 kHz, 1 RB	SG NR FR1 FDD	5.51	±0.5
10303	AAC	DFTs-OFDM, 35.0 MHz, QPSK, 15 kHz, 1 RB	SG NR FR1 FDD	5.51	±0.5
10304	AAC	DFTs-OFDM, 45.0 MHz, QPSK, 15 kHz, 1 RB	SG NR FR1 FDD	5.51	±0.5
10305	AAD	DFTs-OFDM, 35.0 MHz, QPSK, 15 kHz, 1 RB	SG NR FR1 FDD	5.51	±0.5
10306	AAD	DFTs-OFDM, 35.0 MHz, QPSK, 15 kHz, 50% RB	SG NR FR1 FDD	5.50	±0.5
10307	AAD	DFTs-OFDM, 40.0 MHz, QPSK, 15 kHz, 50% RB	SG NR FR1 FDD	5.77	±0.5
10308	AAC	DFTs-OFDM, 15.0 MHz, QPSK, 15 kHz, 50% RB	SG NR FR1 FDD	5.00	±0.5
10309	AAC	DFTs-OFDM, 20.0 MHz, QPSK, 15 kHz, 50% RB	SG NR FR1 FDD	5.00	±0.5
10340	AAC	DFTs-OFDM, 25.0 MHz, QPSK, 15 kHz, 50% RB	SG NR FR1 FDD	5.00	±0.5
10341	AAC	DFTs-OFDM, 30.0 MHz, QPSK, 15 kHz, 50% RB	SG NR FR1 FDD	5.00	±0.5
10342	AAC	DFTs-OFDM, 40.0 MHz, QPSK, 15 kHz, 50% RB	SG NR FR1 FDD	5.00	±0.5
10343	AAD	DFTs-OFDM, 50.0 MHz, QPSK, 15 kHz, 50% RB	SG NR FR1 FDD	5.00	±0.5
10344	AAD	DFTs-OFDM, 5.0 MHz, QPSK, 15 kHz, 100% RB	SG NR FR1 FDD	5.01	±0.5
10345	AAD	DFTs-OFDM, 10.0 MHz, QPSK, 15 kHz, 100% RB	SG NR FR1 FDD	5.00	±0.5
10346	AAC	DFTs-OFDM, 15.0 MHz, QPSK, 15 kHz, 100% RB	SG NR FR1 FDD	5.00	±0.5
10347	AAC	DFTs-OFDM, 20.0 MHz, QPSK, 15 kHz, 100% RB	SG NR FR1 FDD	5.07	±0.5
10348	AAC	DFTs-OFDM, 25.0 MHz, QPSK, 15 kHz, 100% RB	SG NR FR1 FDD	5.04	±0.5
10349	AAC	DFTs-OFDM, 30.0 MHz, QPSK, 15 kHz, 100% RB	SG NR FR1 FDD	5.07	±0.5
10350	AAC	DFTs-OFDM, 40.0 MHz, QPSK, 15 kHz, 100% RB	SG NR FR1 FDD	5.04	±0.5
10351	AAD	DFTs-OFDM, 50.0 MHz, QPSK, 15 kHz, 100% RB	SG NR FR1 FDD	5.02	±0.5
10370	AAA	GDR, 1.0 MHz, 75.7% DC	ULLA	1.18	±0.5
10370	AAA	GDR, 2.0 MHz, 35.1% DC	ULLA	8.58	±0.5
10380	AAA	GDR, 4.0 MHz, 16.5% DC	ULLA	10.32	±0.5
10381	AAA	GDR, 8.0 MHz, 8.0% DC	ULLA	5.15	±0.5
10382	AAA	GDR, 4.0 MHz, 30.3% DC	ULLA	3.43	±0.5
11013	AAB	EHT320, MCS1 (27.5 Mbps), 100.0% DC	WLAN	8.47	±0.5
11014	AAB	EHT320, MCS2 (40.0 Mbps), 100.0% DC	WLAN	8.45	±0.5
11015	AAB	EHT320, MCS3 (54.0 Mbps), 100.0% DC	WLAN	8.44	±0.5
11016	AAB	EHT320, MCS4 (67.5 Mbps), 100.0% DC	WLAN	8.44	±0.5
11017	AAB	EHT320, MCS5 (80.0 Mbps), 100.0% DC	WLAN	8.41	±0.5
11018	AAB	EHT320, MCS6 (90.0 Mbps), 100.0% DC	WLAN	8.40	±0.5
11019	AAB	EHT320, MCS7 (100.0 Mbps), 100.0% DC	WLAN	8.29	±0.5
11020	AAB	EHT320, MCS8 (110.0 Mbps), 100.0% DC	WLAN	8.27	±0.5
11021	AAB	EHT320, MCS9 (120.0 Mbps), 100.0% DC	WLAN	8.40	±0.5
11022	AAB	EHT320, MCS10 (130.0 Mbps), 100.0% DC	WLAN	8.30	±0.5
11023	AAB	EHT320, MCS11 (140.0 Mbps), 100.0% DC	WLAN	8.09	±0.5
11024	AAB	EHT320, MCS12 (150.0 Mbps), 100.0% DC	WLAN	8.42	±0.5
11025	AAB	EHT320, MCS13 (160.0 Mbps), 100.0% DC	WLAN	8.37	±0.5
11026	AAB	EHT320, MCS14 (170.0 Mbps), 100.0% DC	WLAN	8.30	±0.5

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

Appendix G. – Dipole Calibration Data

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Zughausstrasse 43, 8004 Zurich, Switzerland



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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

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

Certificate No. **CLA13-1016_Nov25**

CALIBRATION CERTIFICATE

Object: **CLA13 - SN: 1016**

Calibration procedure(s): **QA CAL-15.v12**
Calibration Procedure for SAR Validation Sources below 700 MHz

Calibration date: **November 13, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements [5].
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.
All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^\circ\text{C}$ and humidity $< 70\%$.
Calibration Equipment used (MATE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP-30T	SN: 100967	29-Oct-25 (No. Part of L1407)	Oct-26
Power Sensor R&S NRP18A	SN: 101059	06-Feb-25 (No. 4030A315000641)	Feb-26
Spectrum Analyser R&S FSV40	SN: 101832	25-Jan-25 (No. 4030A315000658)	Jan-26
3.5mm mismatch combination	SN: 1152	24-Mar-25 (No. 217-04293)	Mar-26
OCP DAK-12	SN: 10110	16-Sept-25 (No. OCP-DAK12-1016_Sep25)	Sep-26
OCP DAK-3.5	SN: 1349	16-Sept-25 (No. OCP-DAK3.5-1349_Sep25)	Sep-26
Reference Probe EX30V4	SN: 3877	06-Jan-25 (No. EX3-3877_Jan25)	Jan-26
DAE4ip	SN: 1910	11-Mar-25 (No. DAE4ip-1910_Mar25)	Mar-26

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Setup 1	SN: 1000	27-May-25 (No. 675-ACAD_Sources_Box-250527)	May-26
Signal Generator R&S SMB100A	SN: 102081	27-May-25 (No. 675-CAL16-S4588-250527)	May-26
Mismatch: SMA	SN: 1102	24-Apr-25 (No. 675-Mismatch_SMA-250424)	Apr-26
OCP DAK-12	SN: 1029	27-Feb-25 (No. OCP-DAK12-1029_Feb25)	Feb-26
OCP DAK-3.5	SN: 1336	09-Dec-24 (No. OCP-DAK3.5-1336_Dec24)	Dec-25

Calibrated by	Name Knutimir Franje	Function Laboratory Technician	Signature
Approved by	Sven Kühn	Technical Manager	

Issued: November 13, 2025

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Certificate No: CLA13-1016_Nov25

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11/1/25	11/1/25	11/1/25

**Calibration Laboratory of
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Accreditation No.: **SCS 0108**

Glossary

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

Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1526, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1526: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- IEC 62564, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- **Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- **Antenna Parameters with TSL:** The source is mounted in a touch configuration below the center marking of the flat phantom.
- **Return Loss:** This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.
- **SAR measured:** SAR measured at the stated antenna input power.
- **SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- **SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The 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%.

CLA13 - SN: 1016

November 13, 2025

Measurement Conditions

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

DASY Version	DASY8 Module SAR	17.0.2
Extrapolation	Advanced Extrapolation	
Phantom	ELI6 Flat Phantom	
EUT Positioning	Touch Position	
Zoom Scan Resolution	dx, dy = 6mm, dz = 1.5mm	Graded Ratio = 1.5 mm (Z direction)
Frequency	13MHz $\pm$ 1MHz	

HSL parameters at 13 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	55.0	0.75 mho/m
Measured HSL parameters	(22.0 $\pm$ 0.2) °C	52.6 $\pm$ 6%	0.72 mho/m $\pm$ 6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 13 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	30 dBm input power	0.538 W/kg $\pm$ 16.4% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	30 dBm input power	0.333 W/kg $\pm$ 16.0% (k = 2)

CLA13 - SN: 1016

November 13, 2025

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with HSL at 13 MHz

Impedance, transformed to feed point	53.1 Ω - 1.1 j Ω
Return Loss	-29.8 dB

Additional EUT Data

Manufactured by	SPEAG
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CLA13 - SN: 1016

November 13, 2025

System Performance Check Report

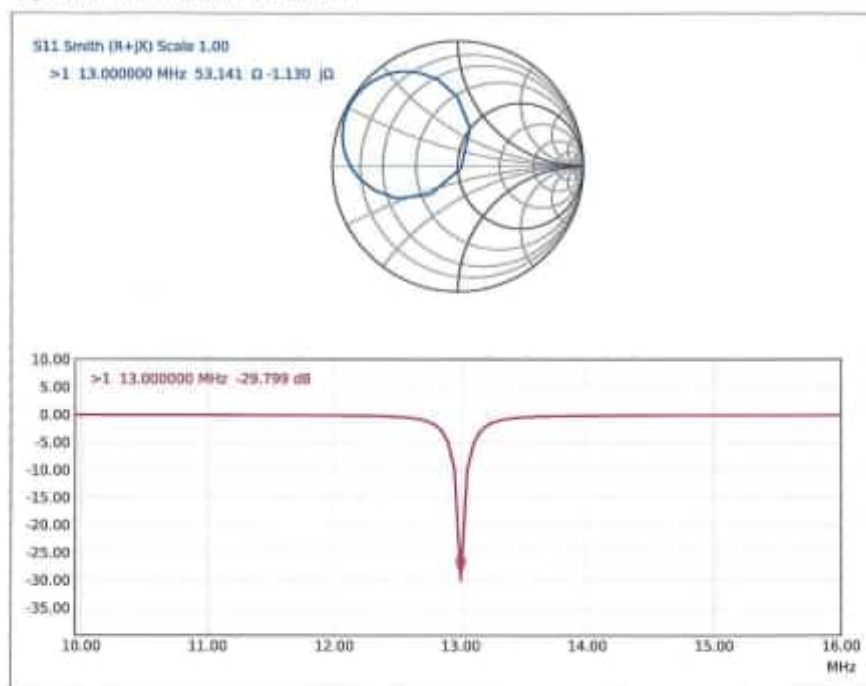
Summary								
Client:	Frequency (MHz)			TSL	Power (dBm)			
CLA13 - SN1016	12			HIL	30			
Exposure Conditions								
Phantom Section, TSL	Test Distance (mm)	Head	Group ID	Frequency (MHz)	Channel Number	Conversion Factor	TSL Conductivity (S/m)	TSL Permittivity
Flat	0		EW, 0--	12, 0		15.48	0.72	92.8
Hardware Setup								
Phantom	TSL Measured Date			Probe, Calibration Date		QML, Calibration Date		
CL M20-1	48L 2025-11-13			DS1294 - 903677, 2025-01-08		ONEkg 5r131E, 2025-03-11		
Scan Setup				Measurement Results				
Zoom Scan				Zoom Scan				
Grid Elements (mm)	32 x 32 x 32			Date	2025-11-13			
Grid Steps (mm)	6.0 x 6.0 x 1.0			ρ(441 g (W/kg))	0.558			
Sensor Surface (mm)	5.4			ρ(8811 g (W/kg))	0.333			
Coated (GHz)	Yes			Power DCR (dB)	0.06			
Grating Ratio	1.3			Power Stray	Disabled			
AMM	N/A			Scaling Factor (dB)				
Surface Detector	UMC - 8p			TSL Correction	Positive / Negative			
Scan Method	Measured							



CLA13 - SN: 1016

November 13, 2025

Impedance Measurement Plot for HSL



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Accreditation No.: SCS 0108

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

Certificate No. **D750V3-1014_May25**

CALIBRATION CERTIFICATE

Object **D750V3 - SN: 1014**

Calibration procedure(s) **QA CAL-05.v12**
Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date **May 20, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.
All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 0.1)^\circ\text{C}$ and humidity $< 70\%$.
Calibration Equipment used (M&E) critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP-33T	SN: 100667	26-Mar-25 (No. 217-04290)	Mar-26
Power Sensor R&S NRP18A	SN: 101859	06-Feb-25 (No. 4030A315009541)	Feb-26
Spectrum Analyzer R&S FSV40	SN: 101832	29-Jan-25 (No. 4030A315009658)	Jan-26
3.5mm mismatch combination	SN: 1152	24-Mar-25 (No. 217-04293)	Mar-26
OCF DAK-12	SN: 1016	24-Sept-24 (No. OCF-DAK12-1016_Sep24)	Sep-25
OCF DAK-3.5	SN: 1249	23-Sept-24 (No. OCF-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-26
DAF4p	SN: 1836	17-Apr-25 (No. DAF4p-1836_Apr25)	Apr-26

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Setup 1	SN: 1000	26-May-24 (No. 675-ACAD_Sources_Box-240526)	May-25
Signal Generator R&S SMB100A	SN: 182081	28-May-24 (No. 675-CAL16-84588-240528)	May-25
Mismatch: SMA	SN: 1102	22-May-24 (No. 675-Mismatch_SMA-240522)	May-25

Calibrated by	Name Krzysztof Franje	Function Laboratory Technician	Signature
Approved by	Name Sven Kühn	Technical Manager	Signature

Issued: May 21, 2025

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Certificate No: D750V3-1014_May25

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Calibration Laboratory of Schmid & Partner Engineering AG

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Accreditation No.: SCS 0108

Glossary

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

Calibration is Performed According to the Following Standards

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

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- **Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- **Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- **Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- **Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- **SAR measured:** SAR as measured at the stated antenna input power.
- **SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- **SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The 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%.

D750V3 - SN: 1014

May 20, 2025

Measurement Conditions

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

DASY Version	DASY8 Module SAR	16.4.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	15 mm	with spacer
Zoom Scan Resolution	dx, dy = 6mm, dz = 1.5mm	Graded Ratio = 1.5 mm (Z direction)
Frequency	750MHz ±1MHz	

HSL parameters at 750 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	41.9	0.890 mho/m
Measured HSL parameters	(22.0 ±0.2)°C	42.9 ±6%	0.910 mho/m ±6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 750 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	2.21 W/kg
SAR for nominal HSL parameters	normalized to 1W	8.90 W/kg ±17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	1.44 W/kg
SAR for nominal HSL parameters	normalized to 1W	5.73 W/kg ±16.5% (k = 2)

D750V3 - SN: 1014

May 20, 2025

Appendix (Additional assessments outside the scope of SCS 0106)

Antenna Parameters with HSL at 750 MHz

Impedance	51.7 Ω - 0.0 j Ω
Return Loss	-35.3 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.037 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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D750V3 - SN: 1014

May 20, 2025

System Performance Check Report

Summary

Sample	Frequency (MHz)	TSL	Power (dBm)
D750V3 - SN1014	750	98	24

Exposure Conditions

Phantom Section, TSL	Test Distance (cm)	Beam	Group, ID	Frequency (MHz), Channel Number	Conversion Factor	TSL Coefficient (S/N)	TSL Permittivity
Flat	15	CX, S-	750, 0		3.55	0.91	42.9

Hardware Setup

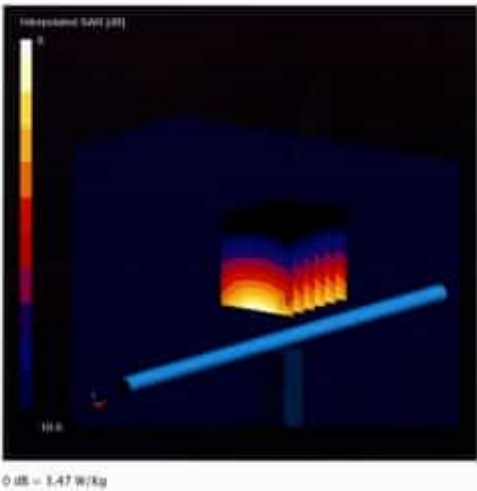
Phantom	TSL, Measurement Date	Probe, Calibration Date	SAR, Calibration Date
Flat VNA read	98, 2025-05-20	OK3094 - 3x7549, 2025-05-10	9849g 911836, 2025-04-17

Scans Setup

	Scans Setup
Grid (Antenna (cm))	30 x 30 x 30
Grid Steps (mm)	0.2 x 0.2 x 1.5
Sensor Surface (mm)	1.8
Coaxial Grid	Yes
Coupling Ratio	1.3
Mode	AG4
Surface Detection	SWR = 4.0
Scan Method	Measured

Measurement Results

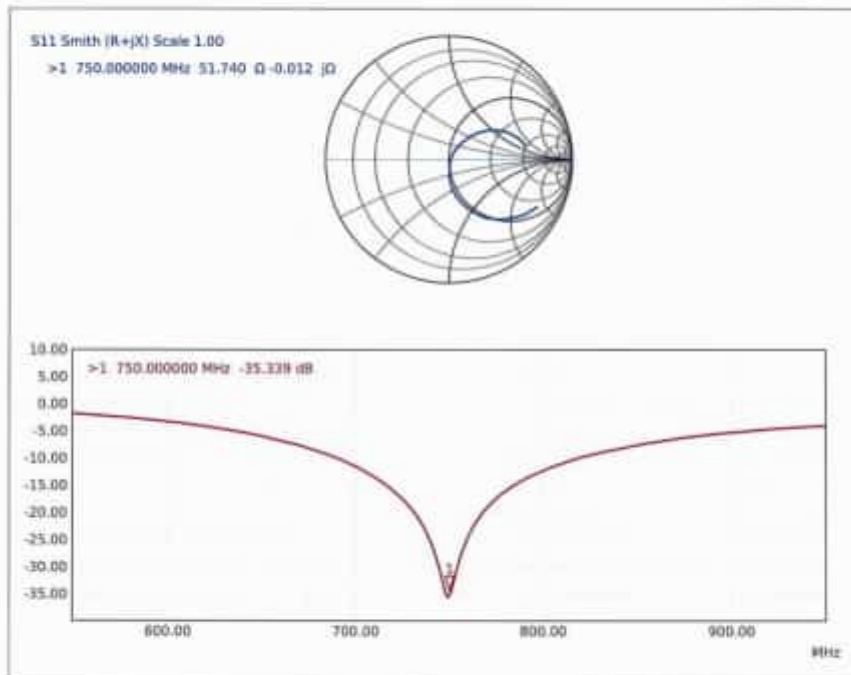
	Measurement Results
Scan	2025-05-20
psdAvg (W/kg)	0.21
psdMax (W/kg)	1.44
Power (dBm)	9.80
Power (dBS)	Estimated
Scaling Factor (dB)	
TSL Correction	Positive / Negative



D750V3 - SN: 1014

May 20, 2025

Impedance Measurement Plot for HSL



Certificate No: D750V3-1014_May25

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Accreditation No.: SCS 0108

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

Certificate No. **D835V2-4d155_Apr25**

CALIBRATION CERTIFICATE

Object: **D835V2 - SN: 4d155**

Calibration procedure(s): **QA-CAL-05 v1.2**
 Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date: **April 14, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
 The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.
 All calibrations have been conducted in the cleanest laboratory facility environment temperature (20 ± 0.2°C and humidity < 10%).
 Calibration Equipment used (MATE: official for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor N63 NRP 32T	SN: 102957	26-Mar-25 No. 217-00260	Mar-26
Power Sensor N63 NRP 15A	SN: 101802	26-Feb-25 No. 4354218896001	Feb-26
Spectrum Analyzer N63 PSM 66	SN: 101802	26-Jan-25 No. 4825371000604	Jan-26
3-Side radiation combination	SN: 1102	24-Mar-25 No. 217-00260	Mar-26
CCP SAR 10	SN: 1018	24-Sep-24 No. CCP-DAR10-1074_Sep24	Sep-25
CCP SAR 0.1	SN: 1248	25-October-24 No. CCP-DAR0.1-1075_Sep24	Sep-25
Narrowband Probe E00036	SN: 1049	18-Jan-25 No. 403-7506_Apr25	Jan-26
SAR 4p	SN: 1005	26-Dec-24 No. 7064p-1850_Dec24	Dec-25

Secondary Standards	ID	Check Date (in future)	Scheduled Check
ACAO Source Box	SN: 1000	26-May-25 No. 475-ACAO_Source_Box-240525	May-26
Signal Generator P62 268105A	SN: 100081	26-May-24 No. 475-CAL-10-2405-240524	May-25
Termistor: SMA	SN: 1102	26-May-24 No. 475-Termistor_SMA-240524	May-26

Calibrated by	Name	Function	Signature
	Luft-Kasper	Laboratory Technician	
Approved by	Name	Technical Manager	Signature
	Oliver Koller		

Valid: April 14, 2025

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장	2025. 4. 14			

Certificate No. **D835V2-4d155_Apr25**

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Accreditation No.: SCS 0108

Glossary

TSL: Head simulating liquid
G_{antF}: sensitivity in TSL / NORM $\mu\text{g/g}$
N/A: not applicable or not measured

Calibration is Performed According to the Following Standards

- IEC/ISO 62203-1:2016, "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 1:2016, Human Models, Parameterization And Procedures (Frequency Range of 45MHz to 10 GHz)", October 2016.
- ISO 24344, "SAR Measurement Requirements for 100MHz to 2 GHz"

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Absorbing Parameters with TSL: The dipole is mounted with the upper to position its feed point exactly below the center marking of the fat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- SAR derived from TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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

Document ID: 4014755

April 18, 2025

Measurement Conditions

DAVEY system configuration, as for as not given on page 1.

DAVEY version	DAVEY Model SAR	10.4.3
Extrapolation	Advanced Extrapolation	
Phantom	Medical Flat Phantom	
Distance Dipole Center - TBL	10 mm	with cable
Zoom Scan Resolution	$d_x, d_y = 8 \text{ mm}, d_z = 1.6 \text{ mm}$	Coaxial Probe = 1.6 mm (Z-direction)
Frequency	835 MHz ± 1 MHz	

HSL parameters at 835 MHz

The following parameters and calculations were applied:

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	33.3 °C	41.5	0.000 mS/cm
Measured HSL parameters	32.0 ± 0.2 °C	42.5 ± 0%	0.000 mS/cm ± 0%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 835 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	0.04 W/kg
SAR for nominal HSL parameters	normalized to 1W	0.02 W/kg ± 17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	0.01 W/kg
SAR for nominal HSL parameters	normalized to 1W	0.01 W/kg ± 16.0% (k = 2)

DMSVQ – SR-4-100

April 14, 2025

Appendix (Additional assessments outside the scope of SCS 0100)

Antenna Parameters with HSL at 835 MHz

Impedance	55.3 Ω – 5.9 jΩ
Return Loss	-24.8 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.268 ns
----------------------------------	----------

After long-term use with 100W reduced power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard beryllium copper cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The S&H data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend at the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPLAG
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DA30V3 - SR-AC005

April 14, 2022

System Performance Check Report

Summary

State	Frequency (MHz)	Y0	Power (dBm)
Normal - Load (S)	404	98	39

System Conditions

Power Source (W)	Test Duration (min)	Test (Group, ID)	Frequency (MHz)	Channel Number	Attenuation Factor	Y0 (Amplitude (dB))	Y0 (Power (dB))
100	10	10A, 0	404.0	1	8.40	9.80	39.2

Hardware Setup

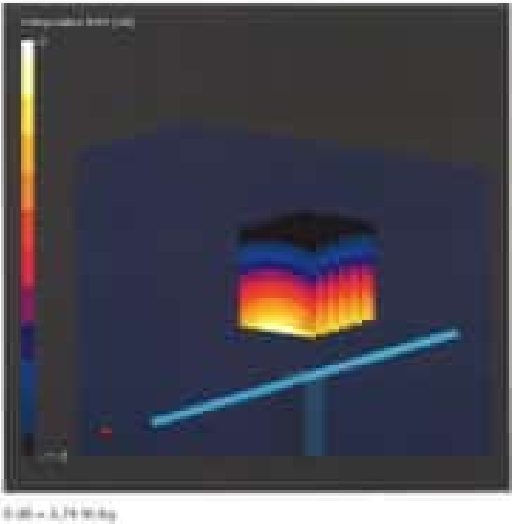
Hardware	Y0, Power (dB)	Power, Attenuation (dB)	Y0, Attenuation (dB)
Y0 (dBm)	98, 201.0 dB	404.0 - 404.0, 100.0 dB	98.0, 201.0 dB

Setup Data

	Setup Data
Test Duration (min)	10 x 10 x 10
Channel (min)	10 x 10 x 10
Power (dBm)	98
Channel (dB)	10
Channel (dB)	10
Channel (dB)	10
Channel (dB)	10
Channel (dB)	10
Channel (dB)	10
Channel (dB)	10
Channel (dB)	10

Measurement Results

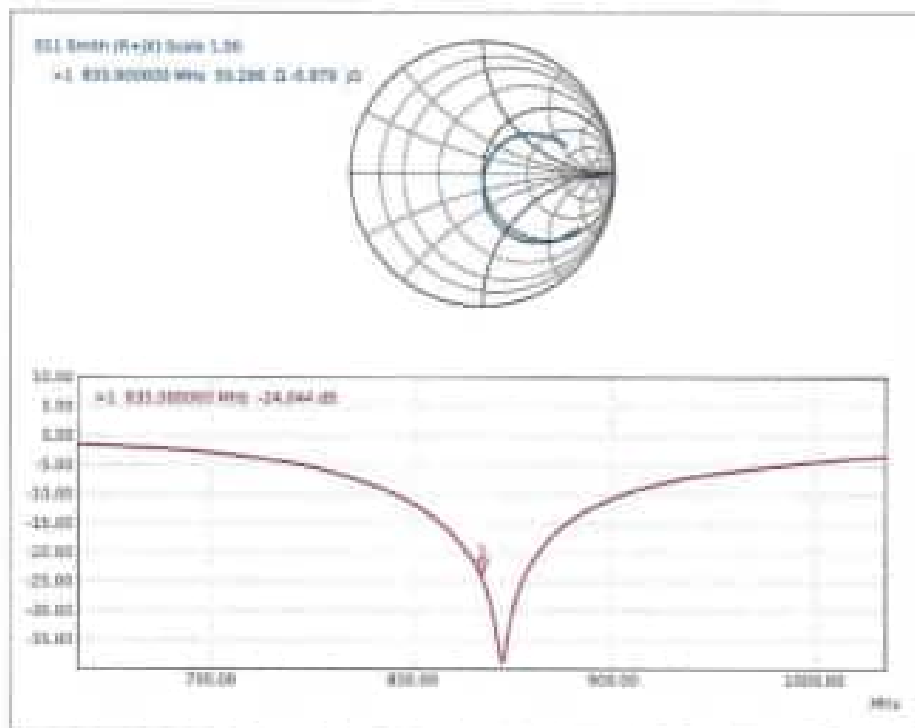
	Measurement Results
Y0	201.0 dB
Y0 (dB)	201.0
Y0 (dB)	201.0
Y0 (dB)	201.0
Y0 (dB)	201.0
Y0 (dB)	201.0
Y0 (dB)	201.0
Y0 (dB)	201.0
Y0 (dB)	201.0
Y0 (dB)	201.0



Excel-2 - 356-A-180

Apr 14, 2025

Impedance Measurement Plot for HSL



Certificate No. 2025A2-40150_Apr25

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 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

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

Certificate No. **D1800V2-2d007_Mar25**

CALIBRATION CERTIFICATE

Object **D1800V2 - SN: 2d007**

Calibration procedure(s) **QA CAL-05.v13**
 Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date **March 12, 2026**

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

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^\circ\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (MATE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP40T	SN: 101861	29-Apr-25 (No. 2025-001450)	Apr-26
Power Sensor R&S NRP18AN	SN: 100991	22-Aug-25 (No. 4030A315010971)	Aug-26
Spectrum Analyzer R&S FSV40	SN: 101832	23-Jan-26 (No. 4030A315011865)	Jan-27
3.5mm mismatch combination	SN: 1152	24-Mar-25 (No. 217-04293)	Mar-26
OCP DAK-12	SN: 1016	16-Sept-25 (No. OCP-DAK12-1016_Sep25)	Sep-26
OCP DAK-3.5	SN: 1249	16-Sept-25 (No. OCP-DAK3.5-1249_Sep25)	Sep-26
Reference Probe EX30V4	SN: 7349	29-Jan-26 (No. EX3-7349_Jan26)	Jan-27
DAE4ip	SN: 1836	18-Feb-26 (No. DAE4ip-1836_Feb26)	Feb-27

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Setup 1	SN: 1000	27-May-25 (No. 675-ACAD_Source_Box-050527)	May-26
Signal Generator R&S SMB100A	SN: 182061	27-May-25 (No. 675-CAL16-54586-250527)	May-26
Mismatch, SMA	SN: 1102	24-Apr-25 (No. 675-Mismatch_SMA-250424)	Apr-26
OCP DAK-12	SN: 1029	24-Feb-26 (No. OCP-DAK12-1029_Feb26)	Feb-27
OCP DAK-3.5	SN: 1330	10-Dec-25 (No. OCP-DAK3.5-1330_Dec25)	Dec-26

	Name	Function	Signature
Calibrated by	Paula Pins	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	
Issued: March 13, 2026			
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Certificate No: D1800V2-2d007_Mar25

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결	인	자	화	인	자
제	기	21	년	3	월
제	1	월	21	일	2026
일	2	월	23	일	2026

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Accreditation No.: **SCS 0108**

Glossary

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

Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 655664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- **Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- **Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- **Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- **Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- **SAR measured:** SAR measured at the stated antenna input power.
- **SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- **SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The 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%.

D1800V2 - SN: 2d007

March 12, 2026

Measurement Conditions

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

DASY Version	DASY8 Module SAR	17.0.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with spacer
Frequency	1800MHz $\pm$ 1MHz	

HSL parameters at 1800 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	40.0	1.40 mho/m
Measured HSL parameters	(22.0 $\pm$ 0.2) °C	39.8 $\pm$ 6%	1.35 mho/m $\pm$ 6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 1800 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	9.55 W/kg
SAR for nominal HSL parameters	normalized to 1W	38.0 W/kg $\pm$ 17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	5.03 W/kg
SAR for nominal HSL parameters	normalized to 1W	20.0 W/kg $\pm$ 16.5% (k = 2)

D1800V2 - SN: 2d007

March 12, 2026

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with HSL at 1800 MHz

Impedance	45.4 Ω - 7.7 j Ω
Return Loss	-20.6 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.203 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

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

D1800V2 - SN: 2d007

March 12, 2026

System Performance Check Report

Summary

Device	Frequency (MHz)	TSL	Power (dBm)
D1800V2 - SN:2d007	1800	N/A	24

Exposure Conditions

Platoon Section, TSL	Test Distance (m)	Band	Group, M0	Frequency (MHz)	Channel Number	Conversion Factor	TSL Conductivity (S/m)	TSL Permittivity
Flat	10		CH, 3--	1800, 4		7.38	1.35	29.8

Hardware Setup

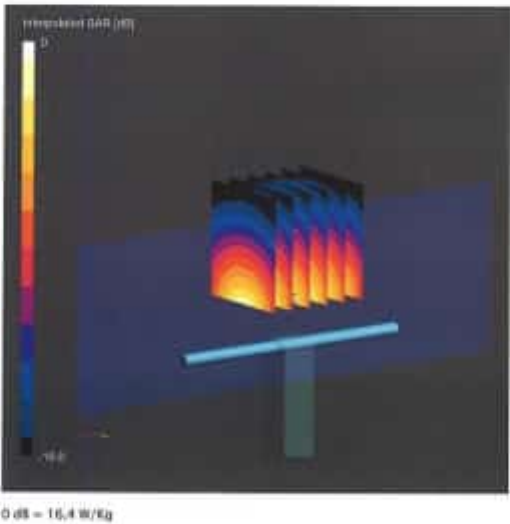
Hardware	TSL, Measured Date	Probe, Calibration Date	DAG, Calibration Date
MFP V8.0 Carrier	N/A, 2025-03-12	000094 - SN7946, 2025-01-29	DAG0131836, 2025-02-19

Scans Setup

	Zone Scan
Grid Extents (mm)	30 x 30 x 30
Grid Steps (mm)	6.0 x 6.0 x 1.5
Sensor Surface (mm)	1.8
Loaded Grid	Yes
Griding Ratio	1.5
MACs	N/A
Surface Detection	VMS > 8p
Scan Method	Measured

Measurement Results

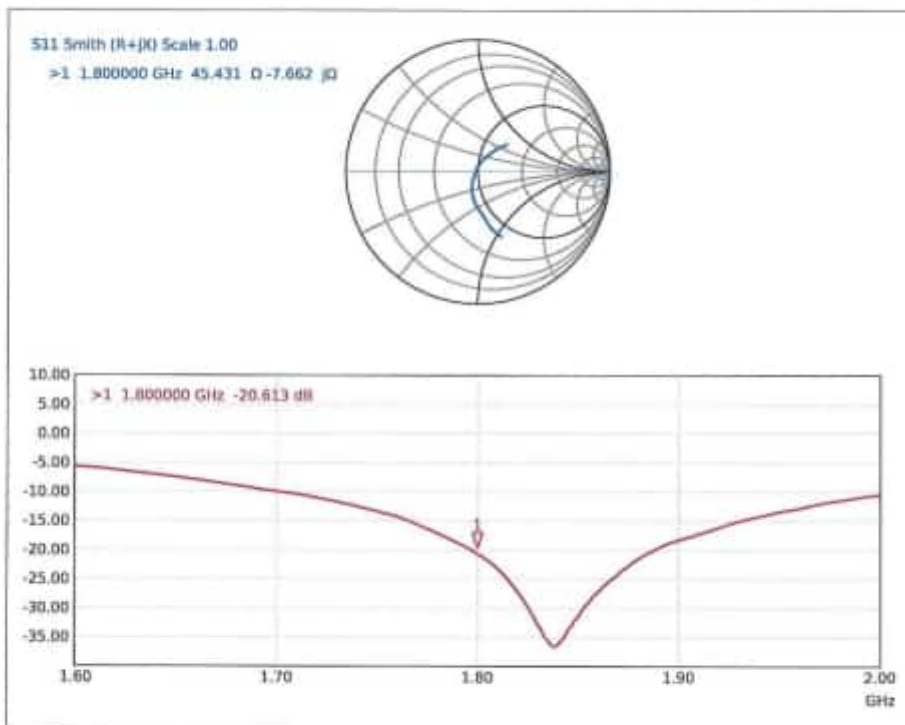
	Zone Scan
Date	2025-03-12
gsDAR1g (W/kg)	6.35
gsMAR10g (W/kg)	1.83
Power (mW (dB))	6.58
Power Scaling	Disabled
Scaling Factor (dB)	
TSL Correction	Positive / Negative



D1800V2 - SN: 2d007

March 12, 2026

Impedance Measurement Plot for HSL



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Accreditation No.: **SCS 0108**

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

Certificate No. **D1900V2-5d032_Jan26**

CALIBRATION CERTIFICATE

Object D1900V2 - SN: 5d032

Calibration procedure(s) QA CAL-05.v13
 Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date January 28, 2026

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 (MATE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP40T	SN: 101861	29-Apr-25 (No. 2025-001450)	Apr-26
Power Sensor R&S NRP10A	SN: 101859	06-Feb-25 (No. 4030A315009541)	Feb-26
Spectrum Analyzer R&S FSV40	SN: 101832	29-Jan-25 (No. 4030A315009658)	Jan-26
3.5mm mismatch combination	SN: 1152	24-Mar-25 (No. 217-04293)	Mar-26
OCP DAK-12	SN: 1016	16-Sept-25 (No. OCP-DAK12-1016_Sep25)	Sep-26
OCP DAK-3.5	SN: 1249	16-Sept-25 (No. OCP-DAK3.5-1249_Sep25)	Sep-26
Reference Probe EX3DV4	SN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-26
DAE4p	SN: 1836	26-Nov-25 (No. DAE4p-1836_Nov25)	Nov-26

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Setup 1	SN: 1090	27-May-25 (No. 675-ACAD_Source_Box-250527)	May-26
Signal Generator R&S SM8100A	SN: 182081	27-May-25 (No. 675-CAL18-S4581-250527)	May-26
Mismatch; SMA	SN: 1102	24-Apr-25 (No. 675-Mismatch_SMA-250424)	Apr-26
OCP DAK-12	SN: 1029	27-Feb-25 (No. OCP-DAK12-1029_Feb25)	Feb-26
OCP DAK-3.5	SN: 1336	10-Dec-25 (No. OCP-DAK3.5-1336_Dec25)	Dec-26

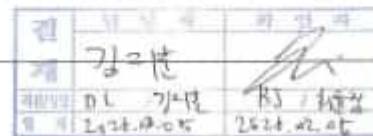
Calibrated by	Name Claudio Loubler	Function Laboratory Technician	Signature  
Approved by	Name Sven Kühn	Function Technical Manager	

Issued: January 29, 2026

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Certificate No: D1900V2-5d032_Jan26

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Accreditation No.: SCS 0108

Glossary

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

Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models. Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 855664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The 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%.

D1900V2 - SN: 5d032

January 29, 2026

Measurement Conditions

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

DASY Version	DASY8 Module SAR	17.0.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with spacer
Frequency	1900MHz $\pm$ 1MHz	

HSL parameters at 1900 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	40.0	1.40 mho/m
Measured HSL parameters	(22.0 $\pm$ 0.2) °C	41.3 $\pm$ 6%	1.41 mho/m $\pm$ 6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 1900 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	9.96 W/kg
SAR for nominal HSL parameters	normalized to 1W	39.7 W/kg $\pm$ 17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	5.25 W/kg
SAR for nominal HSL parameters	normalized to 1W	20.9 W/kg $\pm$ 16.5% (k = 2)

D1900V2 - SN: 5d032

January 28, 2026

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with HSL at 1900 MHz

Impedance	53.5 Ω + 6.6 j Ω
Return Loss	-22.9 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.182 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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D1900V2 - SN: 5d032

January 26, 2026

System Performance Check Report

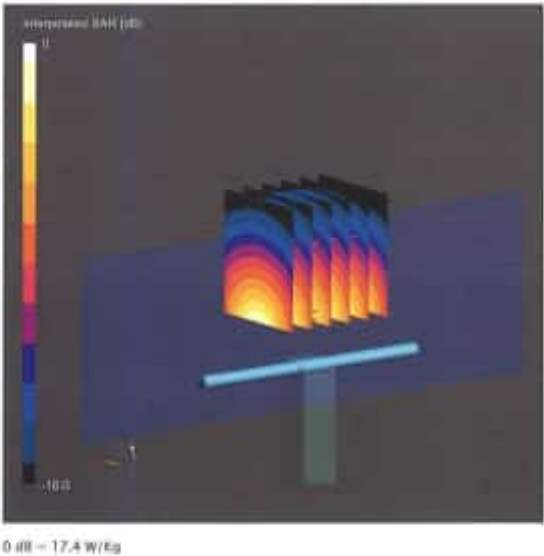
Summary			
Device	Frequency (MHz)	TSL	Power (dBm)
D1900V2 - 5d032	1800	95L	24

Exposure Conditions								
Platform Section, TSL	Test Distance (mm)	Site	Geog. ID	Frequency (MHz)	Channel Number	Conversion Factor	TSL Conductivity (S/m)	TSL Permittivity
Flat	10	CW, B	1800, 0			0.88	1.41	41.3

Hardware Setup			
Platform	TSL, Measured Date	Probe, Calibration Date	DAQ, Calibration Date
MPP V8-E Controller	95L, 2025-01-28	8830V4 - SN7346, 2025-01-10	8830V4 Sn1885, 2025-11-26

Scans Setup	
	Zoom Scan
Cut Extents (mm)	30 x 30 x 30
Cut Steps (mm)	8.0 x 8.0 x 1.3
Sensor Surface (mm)	1.4
Cracked Grid	Yes
Crating Rate	1.3
MMA	N/A
Surface Detection	VMS - 8p
Scan Method	Measured

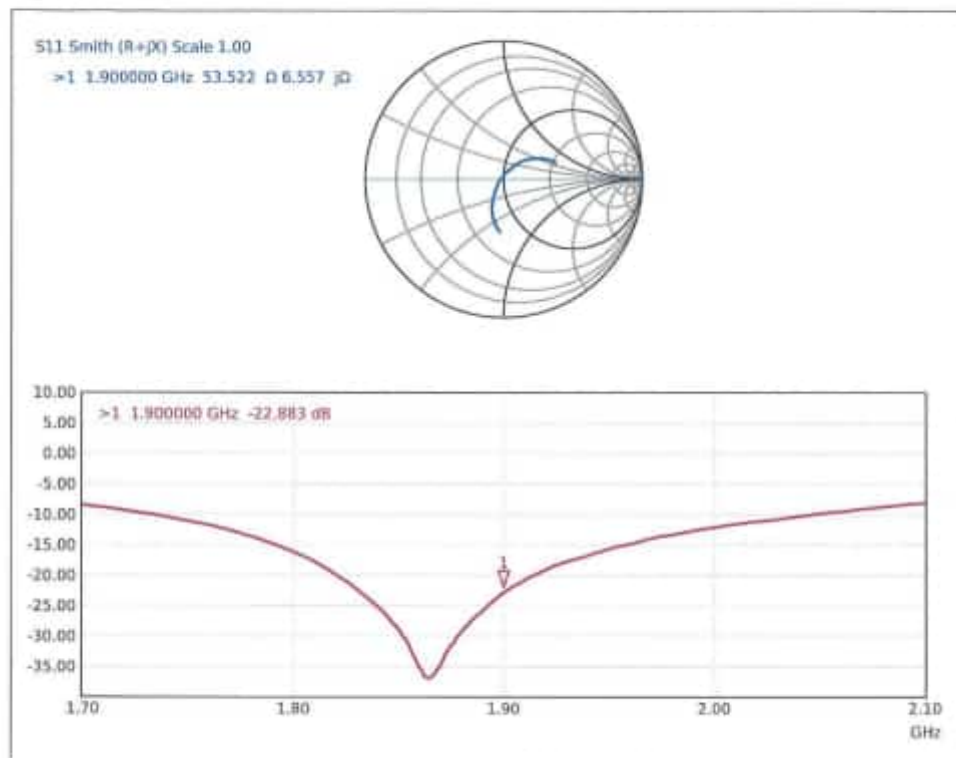
Measurement Results	
	Zoom Scan
Date	2026-01-28
psSAR1g (W/kg)	9.96
psSAR10g (W/kg)	5.26
Power On/Off (dB)	0.01
Power Scaling	Disabled
Scaling Factor (dB)	
TSL Correction	Positive / Negative



D1900V2 - SN: 5d032

January 28, 2026

Impedance Measurement Plot for HSL



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Accreditation No.: **SCS 0108**

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

Certificate No. **D2450V2-743_Feb26**

CALIBRATION CERTIFICATE

Object **D2450V2 - SN: 743**

Calibration procedure(s) **QA CAL-05.v13**
Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date **February 19, 2026**

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

All calibrations have been conducted in the closed laboratory facility: environment temperature ($22 \pm 3^\circ\text{C}$) and humidity $< 70\%$.

Calibration Equipment used (MATE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP40T	SN: 101861	29-Apr-25 (No. 2025-001450)	Apr-26
Power Sensor R&S NRP16A	SN: 101859	06-Feb-25 (No. 4030A315008541)	Feb-26
Spectrum Analyzer R&S FSV40	SN: 101832	23-Jan-26 (No. 4030A315011865)	Jan-27
3.6mm mismatch combination	SN: 1152	24-Mar-25 (No. 217-04293)	Mar-26
OCP DAK-12	SN: 1016	16-Sept-25 (No. OCP-DAK12-1016_Sep25)	Sep-26
OCP DAK-3.5	SN: 1248	16-Sept-25 (No. OCP-DAK3.5-1248_Sep25)	Sep-26
Reference Probe EX3DV4	SN: 7348	29-Jan-26 (No. EX3-7348_Jan26)	Jan-27
DAE4p	SN: 1836	18-Feb-26 (No. DAE4p-1836_Feb26)	Feb-27

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Setup 1	SN: 1000	27-May-25 (No. 675-ACAD_Source_Box-250527)	May-26
Signal Generator R&S SMB100A	SN: 1820B1	27-May-25 (No. 675-CAL16-54588-250527)	May-26
Mismatch: SMA	SN: 1102	24-Apr-25 (No. 675-Mismatch_SMA-250424)	Apr-26
OCP DAK-12	SN: 1029	27-Feb-25 (No. OCP-DAK12-1029_Feb25)	Feb-26
OCP DAK-3.5	SN: 1336	10-Dec-25 (No. OCP-DAK3.5-1336_Dec25)	Dec-26

Calibrated by	Name Miroslav Franjc	Function Laboratory Technician	Signature
Approved by	Name Seon Kohn	Technical Manager	
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Certificate No: D2450V2-743_Feb26

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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Glossary

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

Calibration is Performed According to the Following Standards

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

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- **Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- **Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- **Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- **Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- **SAR measured:** SAR measured at the stated antenna input power.
- **SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- **SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The 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%.

D2450V2 - SN: 743

February 19, 2026

Measurement Conditions

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

DASY Version	DASY8 Module SAR	17.0.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with spacer
Frequency	2450MHz $\pm$ 1MHz	

HSL parameters at 2450 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	39.2	1.80 mho/m
Measured HSL parameters	(22.0 $\pm$ 0.2) °C	37.6 $\pm$ 6%	1.87 mho/m $\pm$ 6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 2450 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	12.6 W/kg
SAR for nominal HSL parameters	normalized to 1W	51.6 W/kg $\pm$ 17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	6.01 W/kg
SAR for nominal HSL parameters	normalized to 1W	23.9 W/kg $\pm$ 16.5% (k = 2)

D2450V2 - SN: 743

February 19, 2026

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with HSL at 2450 MHz

Impedance	54.0 Ω + 4.0 j Ω
Return Loss	-25.3 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.159 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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D2450V2 - SN: 743

February 19, 2026

System Performance Check Report

Summary

Block	Frequency (MHz)	TSL	Power (dBm)
00000001 - 00000002	2450	HL	24

Exposure Conditions

Platform Section, TSL	Test Distance (mm)	Beam	Cross. (dB)	Frequency (MHz), Channel Number	Conversion Factor	TSL Conductivity (S/m)	TSL Permittivity
1st	1.0	OK, 0--	2400, 0	2450, 0	7.34	1.07	27.0

Hardware Setup

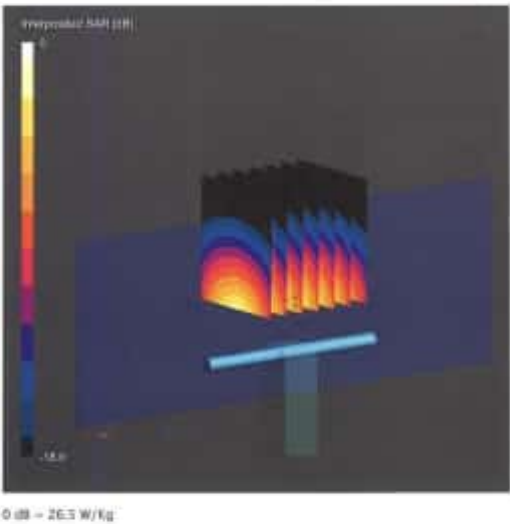
Platform	TSL Measurement Date	Probe, Calibration Date	SAR, Calibration Date
MPF VLS Camera	HL, 2025-02-19	000004 - SAR7345, 2025-01-29	SAR635 SAR635L, 2025-02-19

Scan Setup

	Scan Scan
Grid Extent (mm)	10 x 10 x 10
Grid Steps (mm)	5.0 x 5.0 x 1.5
Sensor Surface (mm)	1.4
Graded Grid	Yes
Cladding Ratio	1.3
NOVA	HL
Surface Detection	VMS - Fp
Scan Method	Measured

Measurement Results

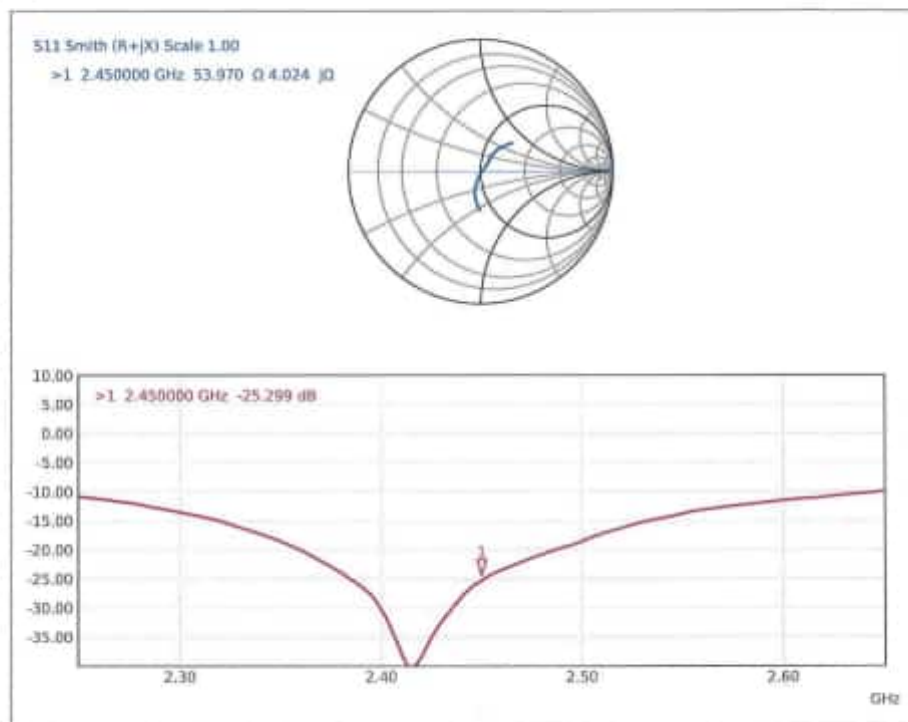
	Scan Scan
Day	2025-02-19
psAR1g (W/kg)	12.8
psAR10g (W/kg)	6.85
Power Shift (dB)	-0.01
Power Scaling	Disabled
Scaling Factor (dB)	
TSL Correction	Positive / Negative



D2450V2 - SN: 743

February 10, 2026

Impedance Measurement Plot for HSL



Appendix: Transfer Calibration at Four Validation Locations on SAM Head¹

Evaluation Condition

Phantom	SAM Head Phantom	For usage with cSAR3DV2-R/L
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SAR result with SAM Head (Top $\cong$ C0)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	54.4 W/kg $\pm$ 17.5 % (k=2)
SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	25.4 W/kg $\pm$ 16.9 % (k=2)

SAR result with SAM Head (Mouth $\cong$ F90)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	55.5 W/kg $\pm$ 17.5 % (k=2)
SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	26.6 W/kg $\pm$ 16.9 % (k=2)

SAR result with SAM Head (Neck $\cong$ H0)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	52.3 W/kg $\pm$ 17.5 % (k=2)
SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	24.3 W/kg $\pm$ 16.9 % (k=2)

SAR result with SAM Head (Ear $\cong$ D90)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	33.5 W/kg $\pm$ 17.5 % (k=2)
SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	16.9 W/kg $\pm$ 16.9 % (k=2)

¹ Additional assessments outside the current scope of 5C3 0106

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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

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

Certificate No. **D2600V2-1043_May25**

CALIBRATION CERTIFICATE

Object: **D2600V2 - SN: 1043**

Calibration procedure(s): **QA CAL-05.v12**
Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date: **May 22, 2025**

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

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3 °C and humidity < 70%).
Calibration Equipment used (MATE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP30T	SN: 100967	26-Mar-25 (No. 217-04290)	Mar-26
Power Sensor R&S NRP18A	SN: 101659	06-Feb-25 (No. 4030A315009541)	Feb-26
Spectrum Analyzer R&S FSV40	SN: 101832	29-Jan-25 (No. 4030A315006658)	Jan-26
3.5mm mismatch combination	SN: 1152	24-Mar-25 (No. 217-04293)	Mar-26
DCP DAK-12	SN: 1016	24-Sept-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
DCP DAK-3.5	SN: 1249	23-Sept-24 (No. OCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3074	SN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-26
DAE4ip	SN: 1838	17-Apr-25 (No. DAE4ip-1838_Apr25)	Apr-26

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Setup 1	SN: 1000	28-May-24 (No. 675-ACAD_Source_Box-240528)	May-25
Signal Generator R&S SMB100A	SN: 182081	28-May-24 (No. 675-CAL15-54588-240528)	May-25
Mismatch: SMA	SN: 1102	22-May-24 (No. 675-Mismatch_SMA-240522)	May-25

	Name	Function	Signature
Calibrated by	Paulo Pina	Laboratory Technician	
Approved by	Sven Kohn	Technical Manager	
			Issued: May 22, 2025
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.			

Certificate No: D2600V2-1043_May25

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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Glossary

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

Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB #65654, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- **Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- **Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- **Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- **Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- **SAR measured:** SAR measured at the stated antenna input power.
- **SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- **SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The 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%.

D2600V2 - SN: 1043

May 22, 2025

Measurement Conditions

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

DASY Version	DASYB Module SAR	16.4.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with spacer
Zoom Scan Resolution	dx, dy = 5mm, dz = 1.5mm	Graded Ratio = 1.5 mm (Z direction)
Frequency	2600MHz $\pm$ 1MHz	

HSL parameters at 2600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	39.0	1.95 mho/m
Measured HSL parameters	(22.0 $\pm$ 0.2) °C	37.1 $\pm$ 6%	2.01 mho/m $\pm$ 6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 2600 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	14.3 W/kg
SAR for nominal HSL parameters	normalized to 1W	56.9 W/kg $\pm$ 17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	24 dBm input power	6.42 W/kg
SAR for nominal HSL parameters	normalized to 1W	25.6 W/kg $\pm$ 16.5% (k = 2)

D2600V2 - SN: 1043

May 22, 2025

Appendix (Additional assessments outside the scope of SCS 0106)

Antenna Parameters with HSL at 2500 MHz

Impedance	49.9 Ω - 5.7 j Ω
Return Loss	-24.9 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.154 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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D2600V2 - SN: 1043

May 22, 2025

System Performance Check Report

Summary

Device	Frequency (MHz)	TSL	Power (dBm)
D2600V2 - SN1043	2600	MS	28

Exposure Conditions

Phantom Section, TSL	Test Distance (mm)	Field	Cross, MHz	Frequency (MHz), Channel Number	Conversion factor	TSL Conductivity (S/m)	TSL Permittivity
Head	10	CW, 0--	2600, 0		7.25	2.81	97.1

Hardware Setup

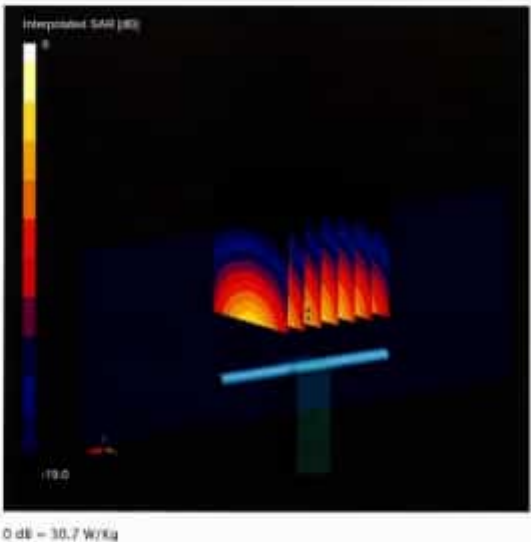
Phantom	TSL, Measured Date	Probe, Calibration Date	SAS, Calibration Date
MPP VLS Corner	MSL, 2025-05-22	EX1094 - SM734E, 2025-01-30	DM4q 5n1816, 2025-04-17

Scans Setup

	Zoom Scan
Grid Extents (mm)	30 x 30 x 10
Grid Steps (mm)	1.0 x 1.0 x 1.5
Sensor Surface (mm)	1.4
Grated Grid	Yes
Grating Rate	1.5
MAR	N/A
Surface Detection	VMS = No
Scan Method	Measured

Measurement Results

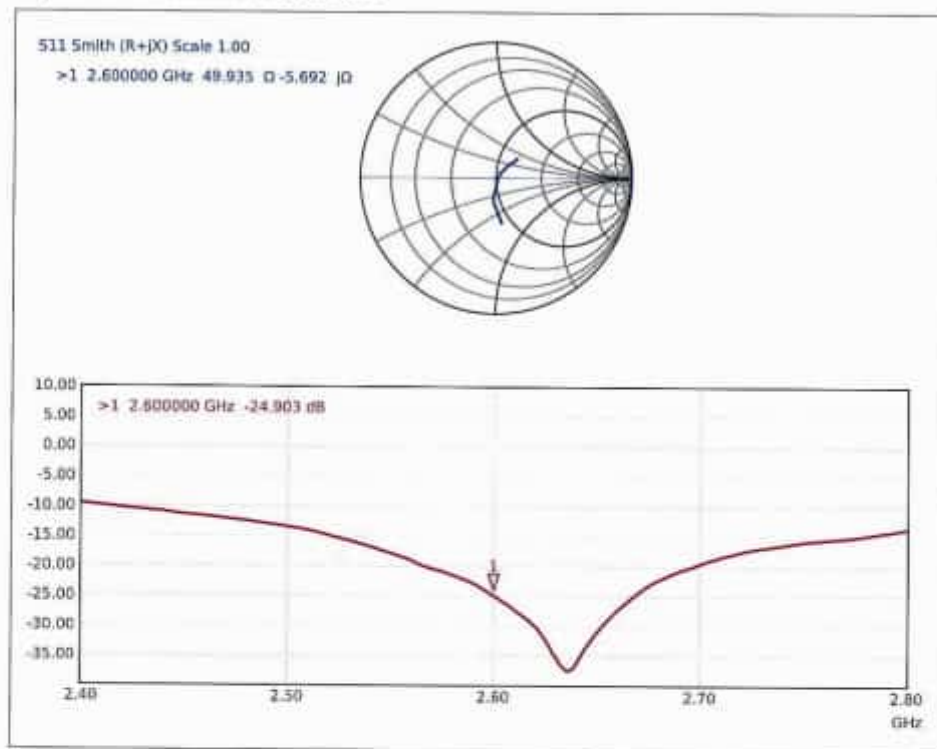
	Zoom Scan
Date	2025-05-22
pcSAR1g (W/kg)	14.3
pcSAR10g (W/kg)	6.42
Power (mW) [dB]	0.20
Power Scaling	Disabled
Scaling Factor (dB)	
TSL Correction	Positive / Negative



D2600V2 - SN: 1043

May 22, 2025

Impedance Measurement Plot for HSL



Certificate No: D2600V2-1043_May25

Page 5 of 6

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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

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

Certificate No. **D3500V2-1132_Jan26**

CALIBRATION CERTIFICATE

Object **D3500V2 - SN: 1132**

Calibration procedure(s) **QA CAL-22.v8**
Calibration Procedure for SAR Validation Sources between 3 - 10 GHz

Calibration date **January 28, 2025**

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

All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^{\circ}\text{C}$ and humidity $< 70\%$.

Calibration Equipment used (MSTE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP40T	SN: 101801	28-Apr-25 (No. 2025-001450)	Apr-26
Power Sensor R&S NRP18A	SN: 101858	08-Feb-25 (No. 4030A315009541)	Feb-26
Spectrum Analyzer R&S FSV40	SN: 101892	29-Jan-25 (No. 4030A315009658)	Jan-26
3.5mm mismatch combination	SN: 1152	24-Mar-25 (No. 217-04293)	Mar-26
OCP DAK-12	SN: 1016	16-Sept-25 (No. OCP-DAK12-1016_Sep25)	Sep-26
OCP DAK-3.5	SN: 1249	18-Sept-25 (No. OCP-DAK3.5-1249_Sep25)	Sep-26
Reference Probe EX3DV4	SN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-26
DAE4p	SN: 1836	28-Nov-25 (No. DAE4p-1836_Nov25)	Nov-26

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Setup 1	SN: 1000	27-May-25 (No. 675-ACAD_Source_Box-250527)	May-26
Signal Generator R&S SMB100A	SN: 182001	27-May-25 (No. 675-CAL16-64588-250527)	May-26
Mismatch: SMA	SN: 1102	24-Apr-25 (No. 675-Mismatch_SMA-250424)	Apr-26
OCP DAK-12	SN: 1029	27-Feb-25 (No. OCP-DAK12-1029_Feb25)	Feb-26
OCP DAK-3.5	SN: 1336	10-Dec-25 (No. OCP-DAK3.5-1336_Dec25)	Dec-26

	Name	Function	Signature
Calibrated by	Aldoris Georgiadou	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	
Issued: January 28, 2025			
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Certificate No: **D3500V2-1132_Jan26**

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Accreditation No.: **SCS 0108**

Glossary

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

Calibration is Performed According to the Following Standards

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

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- **Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- **Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- **Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- **Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- **SAR measured:** SAR measured at the stated antenna input power.
- **SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- **SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The 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%.

D3500V2 - SN: 1132

January 25, 2025

Measurement Conditions

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

DASY Version	DASY8 Module SAR	17.0.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with spacer
Frequency	3500MHz $\pm$ 1MHz	

HSL parameters at 3500 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	37.9	2.91 mho/m
Measured HSL parameters	(22.0 $\pm$ 0.2) °C	39.6 $\pm$ 6%	2.98 mho/m $\pm$ 6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 3500 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	6.52 W/kg
SAR for nominal HSL parameters	normalized to 1W	65.2 W/kg $\pm$ 19.9% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	2.48 W/kg
SAR for nominal HSL parameters	normalized to 1W	24.8 W/kg $\pm$ 19.5% (k = 2)

D3500V2 - SN: 1132

January 26, 2026

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with HSL at 3500 MHz

Impedance	51.8 Ω - 5.1 j Ω
Return Loss	-25.5 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.13 ns
----------------------------------	---------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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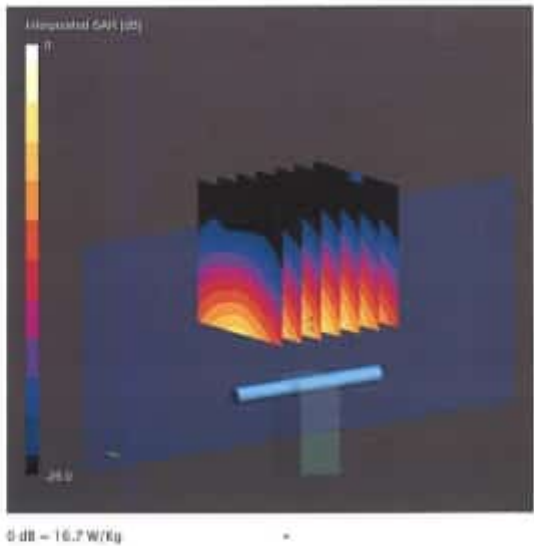
9

D3500V2 - SN: 1132

January 28, 2025

System Performance Check Report

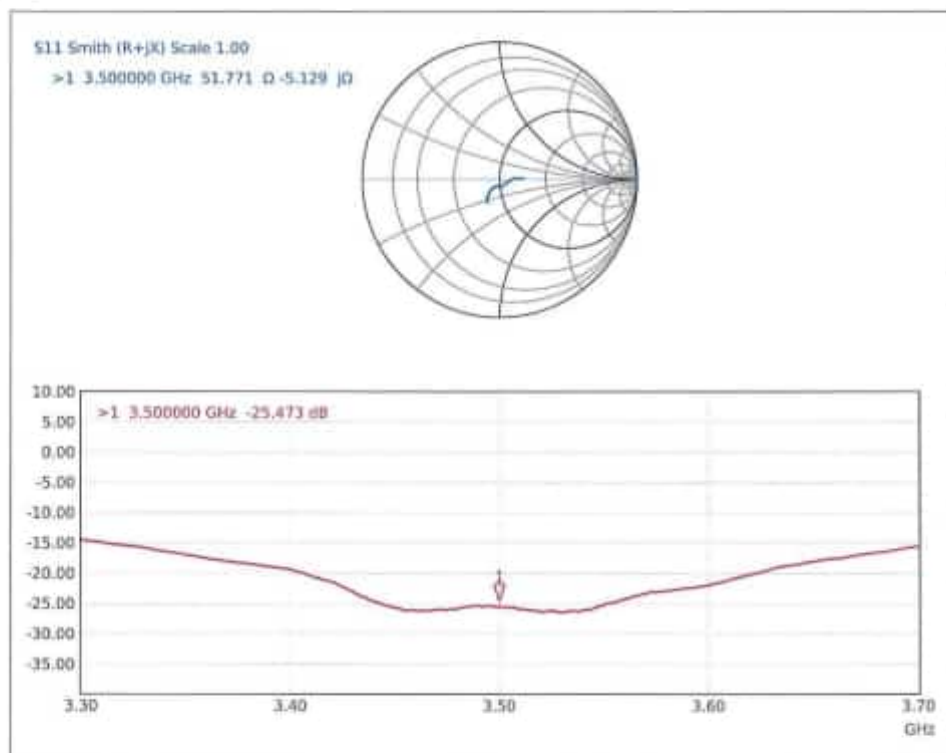
Summary							
System		Frequency (MHz)		TSL	Power (dBm)		
D3500V2 - SN1132		3100		HSL	29		
Exposure Conditions							
Phantom Section, TSL	Test Distance (mm)	Ref	Cross, 3D	Frequency (MHz), Channel Number	Conversion Factor	TSL Conductivity (S/m)	TSL Permittivity
Ref	10		CR, S---	3100, B	6.63	2.50	28.5
Hardware Setup							
Phantom:	TSL, Measured Date		Probe, Calibration Date		SAR, Calibration Date		
BPP H&D Canon	HSL, 2025-01-28		EX3D44 - 947345, 2025-01-10		SAR4ip 2x1836, 2025-11-26		
Scans Setup				Measurement Results			
Zoom Scale				Zoom Scale			
Grid Extent (mm)		28 x 28 x 28		Date:		2025-01-28	
Grid Steps (mm)		0.2 x 0.2 x 1.8		gSAR1g (W/Kg)		6.53	
Smoother Surface (mm)		1.8		gSAR10g (W/Kg)		2.48	
Graded Grid		Yes		Power Drift (dB)		-0.03	
Grading Ratio		1.3		Power Scaling		Disabled	
MAP		9.50		Scaling Factor (dB)			
Surface Detection		SWS = Sp		TSL Correction		Positive / Negative	
Scan Method		Measured					



D3500V2 - SN: 1132

January 28, 2026

Impedance Measurement Plot for HSL



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Accreditation No.: **SCS 0108**

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

Certificate No. **D3700V2-1066_Sep25**

CALIBRATION CERTIFICATE

Object **D3700V2 - SN: 1066**

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

Calibration date **September 15, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.
All calibrations have been conducted in the closed laboratory facility: environment temperature $(22 \pm 3)^{\circ}\text{C}$ and humidity $< 70\%$.
Calibration Equipment used (MATE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP-337	SN: 100667	30-Apr-25 (No. 1050-300791788)	Apr-26
Power Sensor R&S NRP18A	SN: 101659	06-Feb-25 (No. 4030A315009541)	Feb-26
Spectrum Analyzer R&S FSV40	SN: 101832	29-Jan-25 (No. 4030A315009558)	Jan-26
3.5mm mismatch combination	SN: 1102	24-Mar-25 (No. 217-04293)	Mar-26
OCP DAK-12	SN: 1016	24-Sep-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sep-24 (No. OCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EXD0V4	SN: 7349	10-Jan-25 (No. EXD-7349_Jan25)	Jan-26
DAE4ip	SN: 1836	04-Sep-25 (No. DAE4ip-1836_Sep25)	Sep-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Setup 1	SN: 1000	27-May-25 (No. 675-ACAD_Source_Box-250527)	May-26
Signal Generator R&H SMB100A	SN: 182001	27-May-25 (No. 675-CAL16-S4686-250527)	May-26
Mismatch: SMA	SN: 1102	24-Apr-25 (No. 675-Mismatch_SMA-250424)	Apr-26
OCP DAK-12	SN: 1029	27-Feb-25 (No. OCP-DAK12-1029_Feb25)	Feb-26
OCP DAK-3.5	SN: 1336	09-Dec-24 (No. OCP-DAK3.5-1336_Dec24)	Dec-25

Calibrated by	Name Paulo Pina	Function Laboratory Technician	Signature
Approved by	Name Seon Kohn	Technical Manager	

Issued: September 17, 2025

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Certificate No: D3700V2-1066_Sep25

Page 1 of 6

검	담당자	확인자
제		
날	2025.09.15	2025.09.15
장	2025.09.15	2025.09.15

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



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 Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0109**

Glossary

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

Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865864, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- **Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- **Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- **Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- **Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- **SAR measured:** SAR measured at the stated antenna input power.
- **SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- **SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The 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%.

D3700V2 - SN: 1068

September 15, 2025

Measurement Conditions

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

DASY Version	DASY8 Module SAR	17.0.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with spacer
Zoom Scan Resolution	dx, dy = 5mm, dz = 1.4mm	Graded Ratio > 1.5 mm (Z direction)
Frequency	3700MHz $\pm$ 1MHz	

HSL parameters at 3700 MHz

The following parameters and calculations were applied:

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	37.7	3.12 mho/m
Measured HSL parameters	(22.0 $\pm$ 0.2) °C	39.4 $\pm$ 6%	3.10 mho/m $\pm$ 6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 3700 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	6.77 W/kg
SAR for nominal HSL parameters	normalized to 1W	67.7 W/kg $\pm$ 19.9% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	2.50 W/kg
SAR for nominal HSL parameters	normalized to 1W	25.0 W/kg $\pm$ 19.5% (k = 2)

DS700V2 - SN: 1066

September 15, 2025

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with HSL at 3700 MHz

Impedance	48.1 Ω + 2.1 j Ω
Return Loss	-30.7 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.13 ns
----------------------------------	---------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

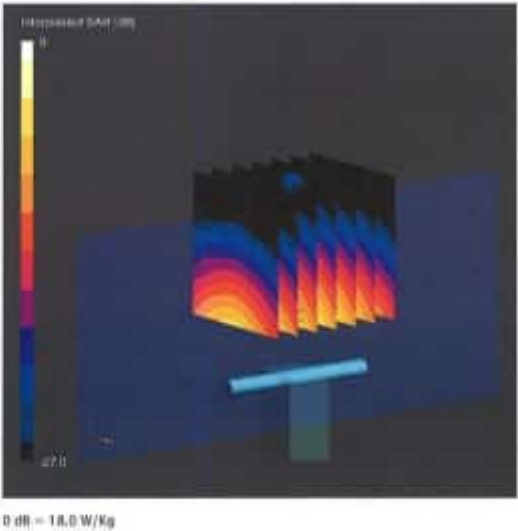
Manufactured by	SPEAG
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D3700V2 - SN: 1066

September 15, 2025

System Performance Check Report

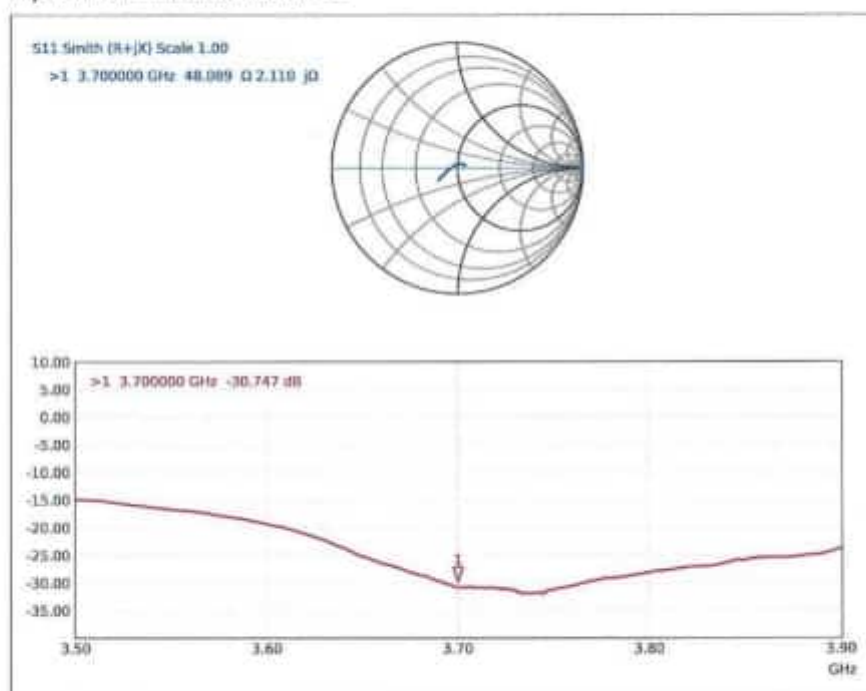
Summary								
Probe	Frequency (MHz)			TSL	Power (dBm)			
D3700V2 - SN1066	3700			VSL	20			
Exposure Conditions								
Phantom Section, TSL	Test Distance (mm)	Beam	Group, LID	Frequency (MHz), Channel Number		Conversion Factor	TSL Conductivity (S/m)	TN Permittivity
Flu	10	EM, 0--	3700, 0	3700, 0		6.41	3.30	20.4
Hardware Setup								
Phantom	TSL, Measured Date			Probe, Calibration Date			DME, Calibration Date	
WFP VSLD Camera	REL 1021-09-13			D3700V2 - SN1066, 2025-01-10			DME40p Svl 636, 2025-09-04	
Scans Setup				Measurement Results				
Zoom Scan				Zoom Scan				
Grid Extents (mm)		20 x 20 x 20		Date		2025-09-15		
Grid Steps (mm)		5.0 x 5.0 x 1.4		pSAR10g (W/Kg)		6.77		
Sensor Surface (mm)		1.4		pSAR10g (W/Kg)		3.30		
Coated Grid		Yes		Power Drift (dB)		0.20		
Grating Ratio		1.3		Power Scaling		Disabled		
MARA		N/A		Scaling Factor (dB)				
Surface Detection		VSL 0-10		TSL Correction		Positive / Negative		
Scan Method		Measured						



D3700V2 - SN: 1068

September 15, 2025

Impedance Measurement Plot for HSL



Certificate No: D3700V2-1068_Sep25

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Accreditation No.: SCS 0108

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

Certificate No. **D3900V2-1019_May25**

CALIBRATION CERTIFICATE

Object **D3900V2 - SN: 1019**

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

Calibration date **May 21, 2025**

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP-33T	SN: 100967	28-Mar-25 (No. 217-04290)	Mar-26
Power Sensor R&S NRP18A	SN: 101850	06-Feb-25 (No. 4030A315009541)	Feb-26
Spectrum Analyzer R&S FSV40	SN: 101832	29-Jan-25 (No. 4030A315009658)	Jan-26
3.5mm mismatch combination	SN: 1152	24-Mar-25 (No. 217-04293)	Mar-26
OCP DAK-12	SN: 1016	24-Sept-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sept-24 (No. OCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-26
DAE4p	SN: 1836	17-Apr-25 (No. DAE4p-1836_Apr25)	Apr-26

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Setup 1	SN: 1600	28-May-24 (No. 675-ACAD_Source_Box-240528)	May-25
Signal Generator R&S 5MB100A	SN: 182061	28-May-24 (No. 675-CAL16-54588-240528)	May-25
Mismatch; SMA	SN: 1102	22-May-24 (No. 675-Mismatch_SMA-240522)	May-25

	Name	Function	Signature
Calibrated by	Paula Pina	Laboratory Technician	
Approved by	Sven Kühn	Technical Manager	
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Issued: May 21, 2025			

결	담당자	확인자
재		
일	2025. 1. 15. 21	2025. 05. 29

Certificate No: D3900V2-1019_May25

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Accreditation No.: **SCS 0108**

Glossary

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

Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1526, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1526: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- **Measurement Conditions:** Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- **Antenna Parameters with TSL:** The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- **Feed Point Impedance and Return Loss:** These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- **Electrical Delay:** One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- **SAR measured:** SAR measured at the stated antenna input power.
- **SAR normalized:** SAR as measured, normalized to an input power of 1 W at the antenna connector.
- **SAR for nominal TSL parameters:** The measured TSL parameters are used to calculate the nominal SAR result.

The 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%.

D3900V2 - SN: 1019

May 21, 2025

Measurement Conditions

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

DASY Version	DASYB Module SAR	16.4.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with spacer
Zoom Scan Resolution	$dx, dy = 5\text{mm}, dz = 1.4\text{mm}$	Graded Ratio = 1.5 mm (Z direction)
Frequency	3900MHz $\pm 1\text{MHz}$	

HSL parameters at 3900 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	37.5	3.32 mho/m
Measured HSL parameters	$(22.0 \pm 0.2)^\circ\text{C}$	$38.6 \pm 6\%$	$3.32 \text{ mho/m} \pm 6\%$
HSL temperature change during test	$< 0.5^\circ\text{C}$		

SAR result with HSL at 3900 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	7.03 W/kg
SAR for nominal HSL parameters	normalized to 1W	$70.3 \text{ W/kg} \pm 19.9\% (k=2)$

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	2.47 W/kg
SAR for nominal HSL parameters	normalized to 1W	$24.7 \text{ W/kg} \pm 19.5\% (k=2)$

D3900V2 - SN: 1019

May 21, 2025

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with HSL at 3900 MHz

Impedance	47.5 Ω - 6.3 j Ω
Return Loss	-23.1 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.103 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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D3900V2 - SN: 1019

May 21, 2025

System Performance Check Report

Summary

Model	Frequency (MHz)	TSL	Power (dBm)
D3900V2 - SN1019	3900	95L	20

Exposure Conditions

Plume Factor, TSL	Test Distance (mm)	Beam	Group, dB	Frequency (MHz), Channel Number	Conversion Factor	TSL Conductivity (S/m)	TSL Permittivity
Flat	10	CW, 0—	9992, 0	3900, 0	6.37	3.32	54.6

Hardware Setup

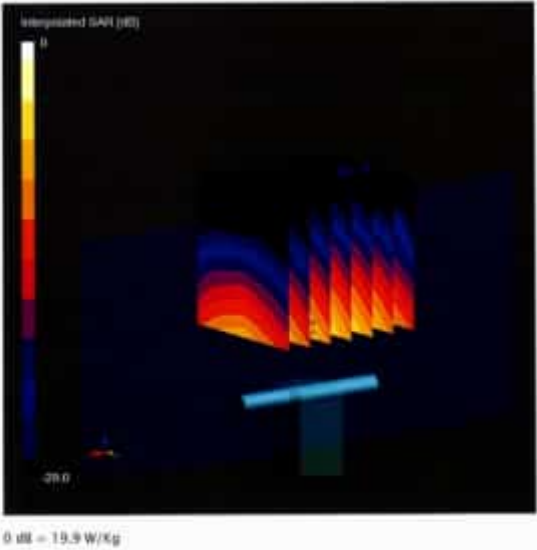
Hardware	TSL, Measured Date	Probe, Calibration Date	DAC, Calibration Date
WPP 68.0 Camera	JSL, 2025-05-21	EX30V4 - SN7948, 2025-01-10	DAC412-SN1886, 2023-04-17

Scans Setup

	Scans Setup
Grid Extents (mm)	28 x 28 x 28
Grid Steps (mm)	3.0 x 3.0 x 3.4
Sensor Surface (mm)	1.4
Coated Grid	Yes
Coating Ratio	1.5
WALA	N/A
Surface Detection	VMS + IR
Scan Method	Measured

Measurement Results

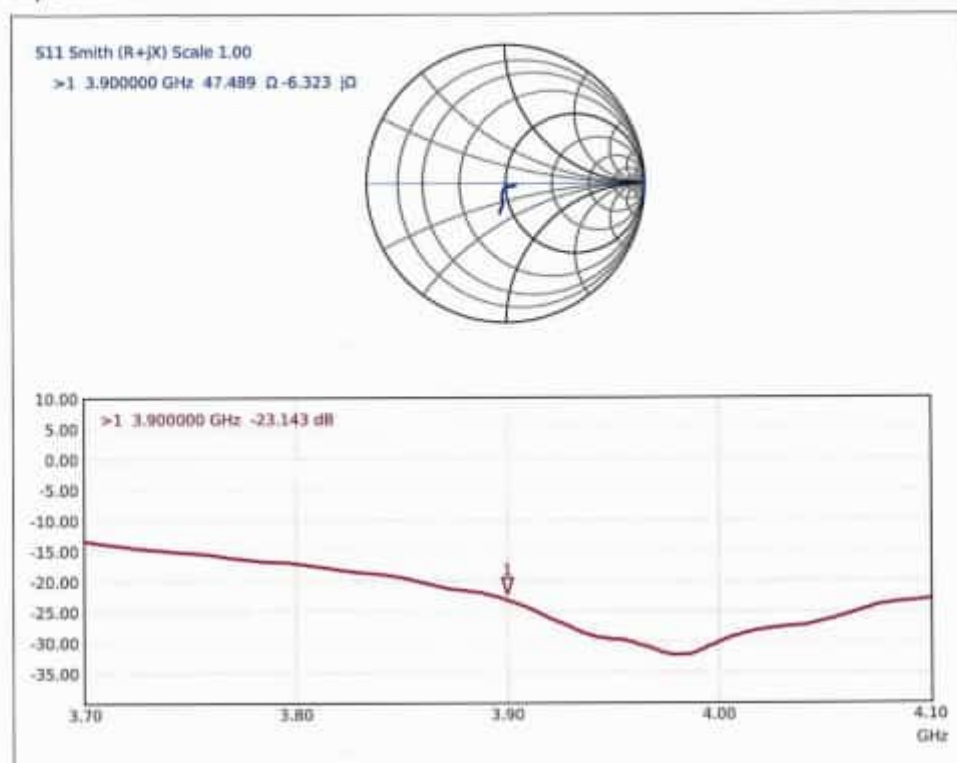
	Measurement Results
Date	2025-05-21
pt5481g (W/kg)	7.03
pt54810g (W/kg)	2.47
Power Dth (dB)	0.00
Power Scaling	Threshold
Scaling Factor (dB)	
TSL Correction	Positive / Negative



D3900V2 - SN: 1019

May 21, 2025

Impedance Measurement Plot for HSL



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Accreditation No.: **SCS 0108**

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

Certificate No.: **D5GHzV2-1253_Sep25**

CALIBRATION CERTIFICATE

Object: **D5GHzV2 - SN: 1253**

Calibration procedure(s): **QA CAL-22.v8**
Calibration Procedure for SAR Validation Sources between 3 - 10 GHz

Calibration date: **September 26, 2025**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.
All calibrations have been conducted in the closed laboratory facility; environment temperature (22 ± 3)°C and humidity < 70%.
Calibration Equipment used (MATE critical for calibration):

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP-33T	SIN: 100967	30-Apr-25 (No. 1020-300791788)	Apr-26
Power Sensor R&S NRP18A	SIN: 101859	06-Feb-25 (No. 4030A315009541)	Feb-26
Spectrum Analyzer R&S FSV48	SIN: 101802	29-Jan-25 (No. 4030A315009558)	Jan-26
3.5mm mismatch combination	SIN: 1152	24-Mar-25 (No. 217-04292)	Mar-26
OCF DAK-12	SIN: 1016	18-Sept-25 (No. OCF-DAK12-1016_Sep25)	Sep-26
OCF DAK-3.5	SIN: 1249	18-Sept-25 (No. OCF-DAK3.5-1249_Sep25)	Sep-26
Reference Probe EX3DV4	SIN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-26
DAE4ip	SIN: 1836	04-Sep-25 (No. DAE4ip-1836_Sep25)	Sep-26

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Setup 1	SIN: 1000	27-May-25 (No. 675-ACAD_Source_Box-250527)	May-26
Signal Generator R&S SMB100A	SIN: 182081	27-May-25 (No. 675-CAL16-S4588-250527)	May-26
Mismatch; SMA	SIN: 1102	24-Apr-25 (No. 875-Mismatch_SMA-250424)	Apr-26
OCF DAK-12	SIN: 1029	27-Feb-25 (No. OCF-DAK12-1029_Feb25)	Feb-26
OCF DAK-3.5	SIN: 1336	09-Dec-24 (No. OCF-DAK3.5-1336_Dec24)	Dec-25

Name	Function	Signature
Calibrated by: Krestimir Franjic	Laboratory Technician	
Approved by: Sven Köhn	Technical Manager	
Issued: September 29, 2025		
This calibration certificate shall not be reproduced except in full without written approval of the laboratory.		

Certificate No.: **D5GHzV2-1253_Sep25**

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결	담당자	확인자
제	김지현	
제/일	DL / 10/23	DL / 10/23
일	7/25/2025	7/25/2025

Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



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Accreditation No.: SCS 0108

Glossary

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

Calibration is Performed According to the Following Standards

- IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- KDB 855654, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

- DASY System Handbook

Methods Applied and Interpretation of Parameters

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *Electrical Delay:* One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- *SAR measured:* SAR measured at the stated antenna input power.
- *SAR normalized:* SAR as measured, normalized to an input power of 1 W at the antenna connector.
- *SAR for nominal TSL parameters:* The measured TSL parameters are used to calculate the nominal SAR result.

The 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%.

D5GHzV2 - SN: 1253

September 25, 2025

Measurement Conditions

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

DASY Version	DASY8 Module SAR	17.0.2
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	10 mm	with spacer
Zoom Scan Resolution	dx, dy = 4mm, dz = 1,4mm	Graded Ratio = 1,4 mm (Z direction)
Frequency	5250MHz $\pm$ 1MHz 5600MHz $\pm$ 1MHz 5750MHz $\pm$ 1MHz 5800MHz $\pm$ 1MHz	

HSL parameters at 5250 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	35.9	4.71 mho/m
Measured HSL parameters	(22.0 $\pm$ 0.2) °C	36.4 $\pm$ 6%	4.62 mho/m $\pm$ 6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 5250 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	7.92 W/kg
SAR for nominal HSL parameters	normalized to 1W	79.2 W/kg $\pm$ 19.9% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	2.26 W/kg
SAR for nominal HSL parameters	normalized to 1W	22.6 W/kg $\pm$ 19.5% (k = 2)

D5GHzV2 - SN: 1253

September 26, 2025

HSL parameters at 5600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	35.5	5.07 mho/m
Measured HSL parameters	(22.0 ± 0.2) °C	35.8 ± 6%	5.02 mho/m ± 6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 5600 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	8.15 W/kg
SAR for nominal HSL parameters	normalized to 1W	81.5 W/kg ± 19.9% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	2.34 W/kg
SAR for nominal HSL parameters	normalized to 1W	23.4 W/kg ± 19.5% (k = 2)

HSL parameters at 5750 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	35.4	5.22 mho/m
Measured HSL parameters	(22.0 ± 0.2) °C	35.6 ± 6%	5.18 mho/m ± 6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 5750 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	8.06 W/kg
SAR for nominal HSL parameters	normalized to 1W	80.6 W/kg ± 19.9% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	2.29 W/kg
SAR for nominal HSL parameters	normalized to 1W	22.9 W/kg ± 19.5% (k = 2)

D5GHzV2 - SN: 1253

September 26, 2025

HSL parameters at 5800 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal HSL parameters	22.0 °C	35.3	5.27 mho/m
Measured HSL parameters	(22.0 ± 0.2) °C	35.5 ± 6%	5.23 mho/m ± 6%
HSL temperature change during test	< 0.5 °C		

SAR result with HSL at 5800 MHz

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	8.06 W/kg
SAR for nominal HSL parameters	normalized to 1W	89.6 W/kg ± 18.9% (k = 2)

SAR averaged over 10 cm ³ (10 g) of HSL	Condition	
SAR for nominal HSL parameters	20 dBm input power	2.29 W/kg
SAR for nominal HSL parameters	normalized to 1W	22.9 W/kg ± 19.5% (k = 2)

D5GHzV2 - SN: 1253

September 26, 2025

Appendix (Additional assessments outside the scope of SCS 0100)

Antenna Parameters with HSL at 5250 MHz

Impedance	50.4 Ω + 4.2 j Ω
Return Loss	-27.5 dB

Antenna Parameters with HSL at 5600 MHz

Impedance	56.3 Ω - 2.1 j Ω
Return Loss	-24.1 dB

Antenna Parameters with HSL at 5750 MHz

Impedance	56.7 Ω + 0.8 j Ω
Return Loss	-24.0 dB

Antenna Parameters with HSL at 5800 MHz

Impedance	54.3 Ω - 0.5 j Ω
Return Loss	-27.5 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.196 ns
----------------------------------	----------

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG
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D5GHzV2 - SN: 1253

September 26, 2025

System Performance Check Report

Summary							
System	Frequency (MHz)	TSL	Power (dBm)				
D5GHzV2 - D01253	5600	10%	-20				
Exposure Conditions							
Human Section, TSL	Test Distance (mm)	Band	Group, MS	Frequency (MHz), Channel Number	Conversion Factor	TSL Conductivity (S/m)	TSL Penetration
Nil	10	Cat. 3	SAR, 6	5600, 6	-2.2	0.01	95.8
Hardware Setup							
Platform	TSL, Measured Date			Probe, Calibration Date		DAQ, Calibration Date	
RP1000 Control	MSL, 2025-09-26			EX3000A - SMT300, 2025-01-10		DAQp-S4100E, 2025-09-04	
Scans Setup				Measurement Results			
			Zoom Scan				Zoom Scan
Grid Extents (mm)	22 x 22 x 20			Date	2025-09-26		
Grid Spacing (mm)	4.0 x 4.0 x 1.0			msAR1g (dB/Hz)	8.15		
Sensor Surface (mm)	1.0			psAR1g (dB/Hz)	2.54		
Coated Grid	Yes			Power (dBr) (dB)	-0.01		
Coating Ratio	1.0			Power Scaling	Disabled		
N/A	N/A			Scaling Factor (dB)			
Surface Description	N/A - No			TSL Correction	Positive / Negative		
Scan Method	Measured						

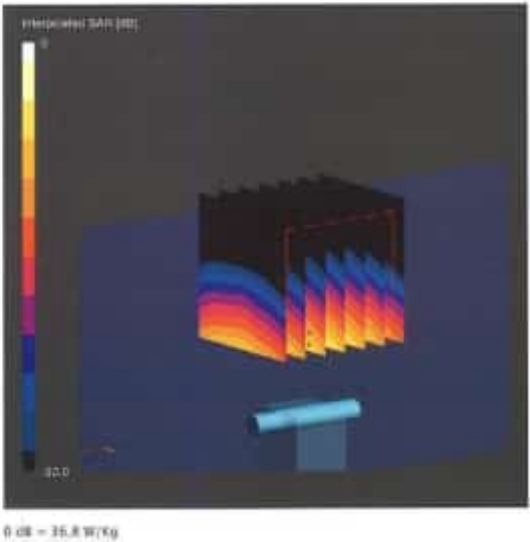


D5GHzV2 - SN: 1253

September 26, 2025

System Performance Check Report

Summary								
Device	Frequency (MHz)			TSL	Power (dBm)			
DISCANT2 - SN1218	5758			HSL	20			
Exposure Conditions								
Position Section, TSL	Test Distance (mm)	Band	Group, SRP	Frequency (MHz)	Channel Number	Conversion Factor	TSL Conductivity (S/m)	TSL Permittivity
Flat	30	CW, 9--	5750, S	5750, S		5.18	5.18	2.20
Hardware Setup								
Position	TSL, Measurement Date			Probe, Calibration Date			SRP, Calibration Date	
WFF V&D Center	HSL, 2025-09-26			DISCANT2 - SN1218, 2025-01-18			DISCANT2 - SN1218, 2025-09-04	
Scans Setup				Measurement Results				
				Z-axis Scan				
Grid Extents (mm)				Date				
22 x 22 x 22				2025-09-26				
Grid Spacing (mm)				μSAR (g) (W/kg)				
4.0 x 4.0 x 4.0				8.08				
Scanned Surface (mm)				μSAR (g) (W/kg)				
1.0				2.29				
Grating Grid				Power (mW) (dB)				
Yes				-6.27				
Grating Factor				Power Scaling				
1.0				Disabled				
RAW				Scaling Factor (dB)				
N/A				N/A				
Surface Temperature				TSL Corrosion				
N/A ± 0.1				Positive / Negative				
Scan Method				Measured				

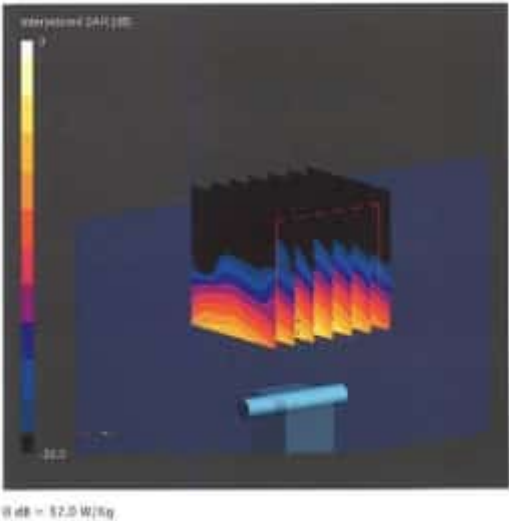


D5GHzV2 - SN: 1253

September 26, 2025

System Performance Check Report

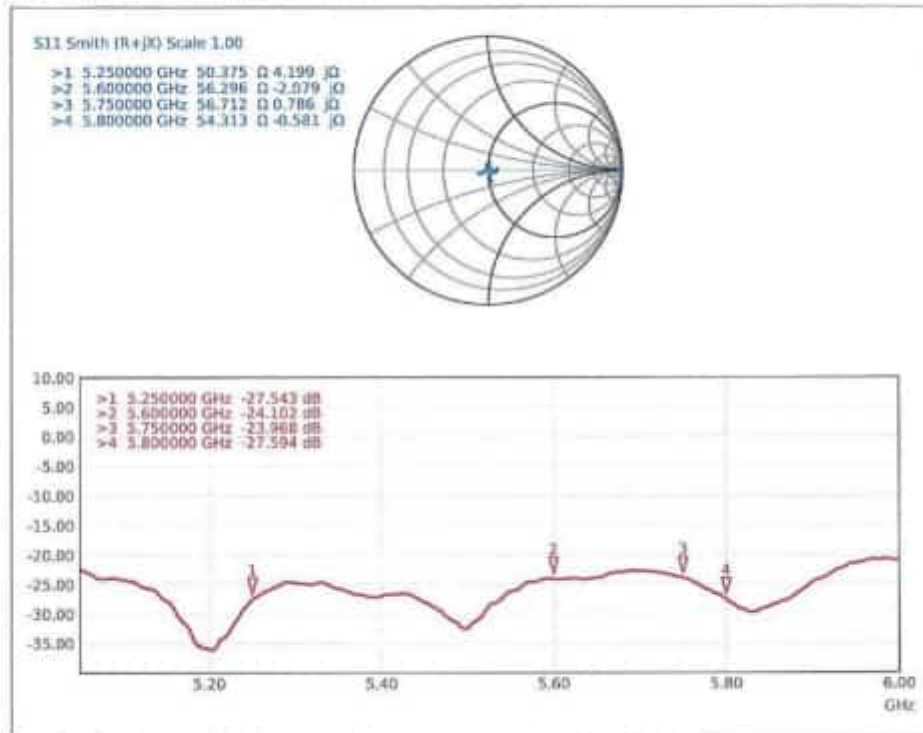
Summary						
Probe	Frequency (MHz)		T0		Power (dBm)	
D5GHzV2 - SN:1253	1000		100		10	
Exposure Conditions						
Maximum Distance, T0	Test Distance (mm)	Band	Channel, dB	Frequency (MHz), Channel Number	Continuous Power	T0 Coefficient (C0)
100	10	200, 5	1000, 0	1000, 0	5.17	5.29
100	10	200, 5	1000, 0	1000, 0	5.17	5.29
Hardware Setup						
Platform	T0, Measured Gain		Probe, Calibration Date		GME, Calibration Date	
HPF1000 Carrier	100, 1025-09-26		D5GHzV2 - SN:1253, 1025-09-26		D5GHzV2 - SN:1253, 1025-09-26	
Scans Setup						
			Power Scan			
Grid Length (mm)	22 x 22 x 22		Date			
Grid Area (mm²)	4.6 x 4.0 x 3.4		1025-09-26			
Scatter Surface (mm)	1.4		pCARTN (dBm)			
Coated Grid	Yes		1.29			
Coating Rate	1.4		Power Shift (dB)			
Mask	N/A		Power Scaling			
Surface Detection	N/A		Scaling Factor (dB)			
Scan Method	Measured		T0 Coefficient			
			Positive / Negative			



D5GHzV2 - SN: 1253

September 26, 2025

Impedance Measurement Plot for HSL



Certificate No: D5GHzV2-1253_Sep25

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Appendix: Transfer Calibration at Four Validation Locations on SAM Head¹

Evaluation Conditions (f=5250 MHz)

Phantom	SAM Head Phantom	For usage with cSAR3DV2-R/L
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SAR result with SAM Head (Top)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	84.8 W/kg ± 20.3 % (k=2)
SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	24.3 W/kg ± 19.9 % (k=2)

SAR result with SAM Head (Mouth)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	84.0 W/kg ± 20.3 % (k=2)
SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	23.4 W/kg ± 19.9 % (k=2)

SAR result with SAM Head (Neck)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	82.1 W/kg ± 20.3 % (k=2)
SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	23.4 W/kg ± 19.9 % (k=2)

SAR result with SAM Head (Ear)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	53.1 W/kg ± 20.3 % (k=2)
SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	17.9 W/kg ± 19.9 % (k=2)

¹ Additional assessments outside the current scope of SCC 0108

Appendix: Transfer Calibration at Four Validation Locations on SAM Head²

Evaluation Conditions (f=5800 MHz)

Phantom	SAM Head Phantom	For usage with cSAR3DV2-R/L
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SAR result with SAM Head (Top)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	83.8 W/kg $\pm$ 20.3 % (k=2)

SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	23.8 W/kg $\pm$ 19.9 % (k=2)

SAR result with SAM Head (Mouth)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	90.6 W/kg $\pm$ 20.3 % (k=2)

SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	25.0 W/kg $\pm$ 19.9 % (k=2)

SAR result with SAM Head (Neck)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	80.8 W/kg $\pm$ 20.3 % (k=2)

SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	22.8 W/kg $\pm$ 19.9 % (k=2)

SAR result with SAM Head (Ear)

SAR averaged over 1 cm ³ (1 g) of HSL	Condition	
SAR for nominal HSL parameters	normalized to 1W	57.6 W/kg $\pm$ 20.3 % (k=2)

SAR averaged over 10 cm ³ (10 g) of HSL	condition	
SAR for nominal HSL parameters	normalized to 1W	19.4 W/kg $\pm$ 19.9 % (k=2)

² Additional assessments outside the current scope of SCS 0108