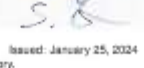
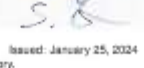
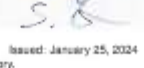


Appendix D Probe, DAE and Dipole Calibration Certificates

Appendix D.1 Calibration certificate for Probe_SN3986

Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland	 	S Schweizerischer Kalibrierdienst S Service suisse d'étalonnage S Servizio italiano di taratura S Swiss Calibration Service
Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates		Accreditation No.: SCS 0108
Client: SGS Gyeonggi-do, Republic of Korea	Certificate No.: EX-3986_Jan24	

CALIBRATION CERTIFICATE																																	
Object	EX3DV4 - SN-3986																																
Calibration procedure(s)	QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6, QA CAL-25.v8 Calibration procedure for dosimetric E-field probes																																
Calibration date	January 24, 2024																																
This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate. All calibrations have been conducted in the closed laboratory facility, environment temperature (22 ± 3) °C and humidity < 70%. Calibration Equipment used (M&PE critical for calibration)																																	
<table border="1"> <thead> <tr> <th>Primary Standards</th> <th>ID</th> <th>Cal Date (Certificate No.)</th> <th>Scheduled Calibration</th> </tr> </thead> <tbody> <tr> <td>Power meter NRP2</td> <td>SN: 104775</td> <td>20-Mar-23 (No. 217-03804/23605)</td> <td>Mar-24</td> </tr> <tr> <td>Power sensor NRP-Z91</td> <td>SN: 103244</td> <td>30-Mar-23 (No. 217-03804)</td> <td>Mar-24</td> </tr> <tr> <td>OCF DAK-3.5 (weighted)</td> <td>SN: 1249</td> <td>05-Oct-23 (OCF-DAK3.5-1249_Oct23)</td> <td>Oct-24</td> </tr> <tr> <td>OCF DAK-12</td> <td>SN: 10116</td> <td>05-Oct-23 (OCF-DAK12-10116_Oct23)</td> <td>Oct-24</td> </tr> <tr> <td>Reference 20 dB Attenuator</td> <td>SN: CC2552 (20x)</td> <td>30-Mar-23 (No. 217-03809)</td> <td>Mar-24</td> </tr> <tr> <td>DAE4</td> <td>SN: 690</td> <td>16-Mar-23 (No. DAE4-660_Mar23)</td> <td>Mar-24</td> </tr> <tr> <td>Reference Probe EX3DV4</td> <td>SN: 7349</td> <td>03-Nov-23 (No. EX3-7349_Nov23)</td> <td>Nov-24</td> </tr> </tbody> </table>	Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration	Power meter NRP2	SN: 104775	20-Mar-23 (No. 217-03804/23605)	Mar-24	Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24	OCF DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCF-DAK3.5-1249_Oct23)	Oct-24	OCF DAK-12	SN: 10116	05-Oct-23 (OCF-DAK12-10116_Oct23)	Oct-24	Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24	DAE4	SN: 690	16-Mar-23 (No. DAE4-660_Mar23)	Mar-24	Reference Probe EX3DV4	SN: 7349	03-Nov-23 (No. EX3-7349_Nov23)	Nov-24	
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This calibration certificate shall not be reproduced except in full without written approval of the laboratory.																																	

Certificate No: EX-3986_Jan24

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



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

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

Accreditation No.: SCS 0108

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 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; $f > 1000$ 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:3986

January 24, 2024

Parameters of Probe: EX3DV4 - SN:3986

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm ($\mu V/(V/m)^2$) ^A	0.51	0.54	0.48	$\pm 10.1\%$
DCP (mV) ^B	99.9	99.3	102.5	$\pm 4.7\%$

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB $\sqrt{\mu V}$	C	D dB	V _{TH} mV	Max dev.	Max Unc ^C k = 2
0	CW	X	0.00	0.00	1.00	0.00	115.9	$\pm 2.9\%$	$\pm 4.7\%$
		Y	0.00	0.00	1.00		102.1		
		Z	0.00	0.00	1.00		111.6		
10352	Pulse Waveform (200Hz, 10%)	X	20.00	92.64	22.04	10.00	60.0	$\pm 2.5\%$	$\pm 9.6\%$
		Y	20.00	95.27	23.75		60.0		
		Z	20.00	92.88	21.73		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	93.64	21.87	6.99	60.0	$\pm 1.1\%$	$\pm 9.8\%$
		Y	20.00	98.76	23.37		60.0		
		Z	20.00	95.44	22.45		60.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	96.08	22.66	3.98	60.0	$\pm 1.4\%$	$\pm 9.6\%$
		Y	20.00	100.95	23.96		60.0		
		Z	20.00	105.58	26.26		60.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	105.27	24.83	2.22	120.0	$\pm 1.5\%$	$\pm 9.6\%$
		Y	20.00	107.61	26.85		120.0		
		Z	20.00	125.17	34.15		120.0		
10367	QPSK Waveform, 1 MHz	X	1.76	66.44	15.40	1.00	190.0	$\pm 2.0\%$	$\pm 9.6\%$
		Y	1.80	66.02	15.36		190.0		
		Z	2.18	71.31	16.20		190.0		
10368	QPSK Waveform, 10 MHz	X	2.33	68.56	16.10	0.00	190.0	$\pm 0.9\%$	$\pm 9.6\%$
		Y	2.40	68.68	16.07		190.0		
		Z	2.93	73.29	18.77		190.0		
10396	64-QAM Waveform, 100 kHz	X	3.04	71.16	19.17	3.01	190.0	$\pm 0.7\%$	$\pm 9.6\%$
		Y	3.25	71.32	19.22		190.0		
		Z	3.58	75.83	21.75		190.0		
10399	64-QAM Waveform, 40 MHz	X	3.58	67.39	15.96	0.00	190.0	$\pm 0.9\%$	$\pm 9.6\%$
		Y	3.64	67.48	15.99		190.0		
		Z	3.62	68.99	17.06		190.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.94	65.79	15.83	0.00	190.0	$\pm 2.1\%$	$\pm 9.6\%$
		Y	5.05	65.83	15.66		190.0		
		Z	5.04	66.61	16.20		190.0		

Note: For details on UID parameters see Appendix

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

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

^B Linearization parameter uncertainty for maximum specified field strength.

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



EX3DV4 - SN:3986

January 24, 2024

Parameters of Probe: EX3DV4 - SN:3986

Sensor Model Parameters

	C1 IF	C2 IF	α V ⁻¹	T1 mV V ⁻²	T2 mV V ⁻¹	T3 mV	T4 V ⁻²	T5 V ⁻¹	T6
x	48.8	360.34	34.88	24.55	0.09	5.10	1.37	0.22	1.01
y	58.4	436.31	35.65	18.73	0.50	5.10	0.86	0.40	1.01
z	45.4	332.11	34.64	20.86	0.00	5.10	1.58	0.13	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-50.1°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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

EX3DV4 - SN:3986

January 24, 2024

Parameters of Probe: EX3DV4 - SN:3986

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^E	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
600	42.7	0.88	10.82	10.92	10.82	0.10	1.25	±13.3%
750	41.9	0.89	9.57	9.37	10.19	0.42	1.27	±12.0%
835	41.5	0.90	10.14	9.75	9.24	0.37	1.27	±12.0%
900	41.5	0.97	9.65	9.26	9.76	0.38	1.27	±12.0%
1640	40.2	1.31	8.35	7.99	8.56	0.46	1.27	±12.0%
1750	40.1	1.37	8.64	8.22	8.75	0.27	1.27	±12.0%
1900	40.0	1.40	8.32	7.99	8.47	0.28	1.27	±12.0%
1950	40.0	1.40	8.25	7.92	8.41	0.28	1.27	±12.0%
2300	39.5	1.67	7.85	7.54	8.02	0.30	1.27	±12.0%
2450	39.2	1.80	7.54	7.26	7.70	0.30	1.27	±12.0%
2600	39.0	1.95	7.95	7.62	8.14	0.29	1.27	±12.0%
3300	38.2	2.71	7.36	7.07	7.52	0.36	1.27	±14.0%
3500	37.9	2.91	7.20	6.90	7.30	0.35	1.27	±14.0%
3700	37.7	3.12	7.18	6.88	7.30	0.35	1.27	±14.0%
3900	37.5	3.32	6.92	6.61	7.03	0.35	1.27	±14.0%
4100	37.2	3.53	6.84	6.57	6.97	0.35	1.27	±14.0%
4400	36.9	3.84	6.65	6.39	6.77	0.36	1.27	±14.0%
4600	36.7	4.04	6.74	6.26	6.91	0.36	1.27	±14.0%
4800	36.4	4.25	6.68	6.43	6.82	0.37	1.27	±14.0%
4950	36.3	4.40	6.41	6.07	6.47	0.42	1.36	±14.0%
5200	36.0	4.65	5.52	5.24	5.58	0.31	1.66	±14.0%
5300	35.9	4.76	5.24	5.01	5.37	0.33	1.66	±14.0%
5500	35.6	4.96	4.98	4.85	5.15	0.35	1.80	±14.0%
5600	35.5	5.07	4.81	4.66	4.96	0.40	1.87	±14.0%
5800	35.3	5.27	4.70	4.56	4.81	0.38	1.86	±14.0%
5850	35.2	5.32	4.65	4.46	4.77	0.42	1.78	±14.0%

^C Frequency validity above 330 MHz of ±100 MHz only applies for DASV v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RMS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 330 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 126, 150 and 225 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-8 MHz, and ConvF assessed at 13 MHz is 6-19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

^E 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 TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

^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.

EX3DV4 - SN:3986

January 24, 2024

Parameters of Probe: EX3DV4 - SN:3986

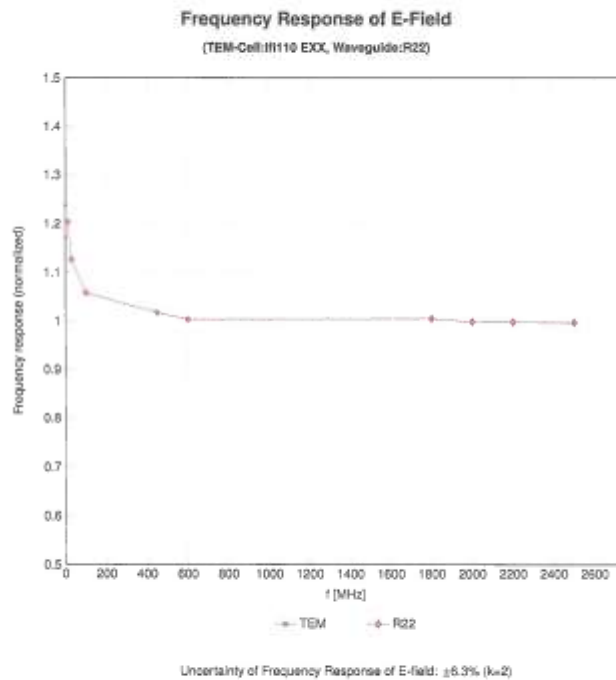
Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^D	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
6500	34.5	6.07	5.58	5.70	6.37	0.20	2.50	±18.0%
7000	33.9	6.65	5.80	5.82	6.36	0.20	2.00	±18.6%

^D Frequency validity at 6.5 GHz is -650/+700 MHz, and ±750 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty of calibration frequency and the uncertainty for the indicated frequency band.
^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.
^G Alpha/Depth are determined during calibration. SPICAG 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 ±6% for frequencies between 6-15 GHz at any distance larger than half the probe tip diameter from the boundary.

EX3DV4 - SN:3986

January 24, 2024

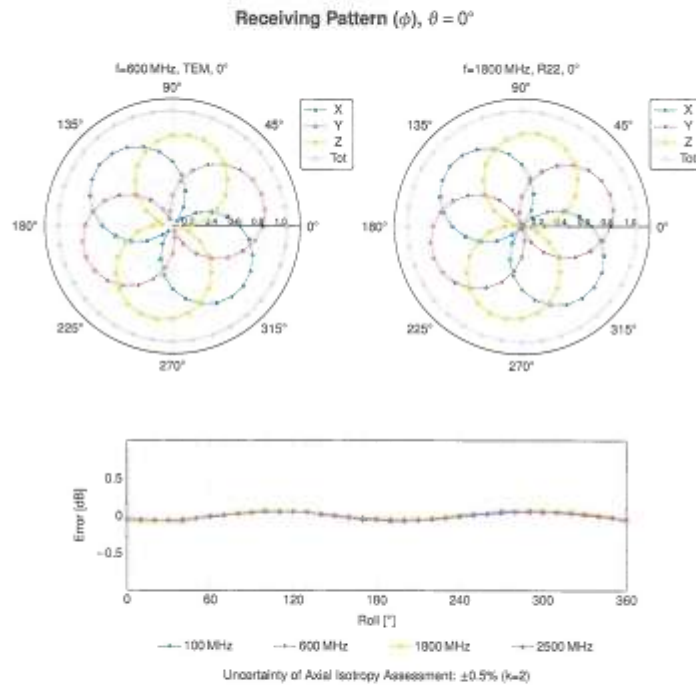


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January 24, 2024

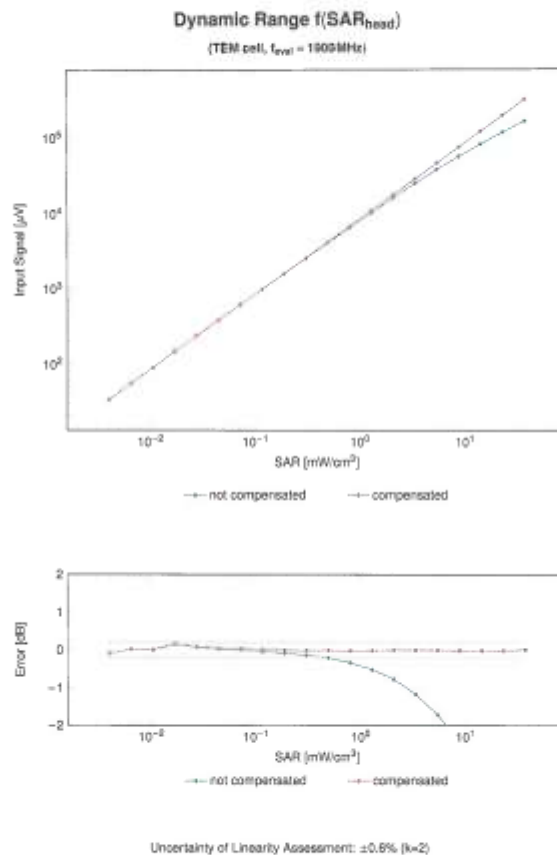


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EX3DV4 - SN:3985

January 24, 2024



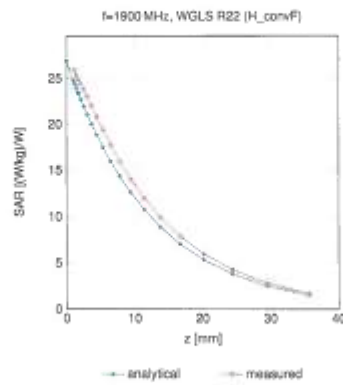
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EX3D/4 - SN:3986

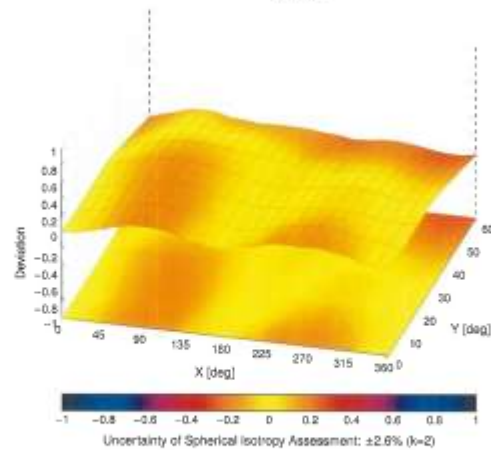
January 24, 2024

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ), $f=900$ MHz



Certificate No: EX-3986_Jan24

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EX3DW4 - SN:3986

January 24, 2024

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ¹ k = 2
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	2.81	±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	3.48	±0.0
10021	DAC	QPSM-FDD (TDMA, QPSK)	QSM	2.36	±0.0
10023	DAC	QPRS-FDD (TDMA, QPSK, TN 0)	QSM	3.27	±0.0
10024	DAC	QPRS-FDD (TDMA, QPSK, TN 0-1)	QSM	3.56	±0.0
10025	DAC	EDGE-FDD (TDMA, QPSK, TN 0)	QSM	12.62	±0.0
10026	DAC	EDGE-FDD (TDMA, QPSK, TN 0-1)	QSM	2.58	±0.0
10027	DAC	QPRS-FDD (TDMA, QPSK, TN 0-1-2)	QSM	4.60	±0.0
10028	DAC	QPRS-FDD (TDMA, QPSK, TN 0-1-2-3)	QSM	3.56	±0.0
10029	DAC	EDGE-FDD (TDMA, QPSK, TN 0-1-2)	QSM	7.78	±0.0
10030	CAB	IEEE 802.15.1 Bluetooth (GFSK, DH)	Bluetooth	5.30	±0.0
10031	CAB	IEEE 802.15.1 Bluetooth (GFSK, DH)	Bluetooth	1.07	±0.0
10032	CAB	IEEE 802.15.1 Bluetooth (QPSK, DH)	Bluetooth	1.16	±0.0
10033	CAB	IEEE 802.15.1 Bluetooth (P4-DQPSK, DH)	Bluetooth	3.14	±0.0
10034	CAB	IEEE 802.15.1 Bluetooth (P4-DQPSK, DH)	Bluetooth	4.25	±0.0
10035	CAB	IEEE 802.15.1 Bluetooth (P4-DQPSK, DH)	Bluetooth	3.23	±0.0
10036	CAB	IEEE 802.15.1 Bluetooth (B-QPSK, DH)	Bluetooth	8.01	±0.0
10037	CAB	IEEE 802.15.1 Bluetooth (B-QPSK, DH)	Bluetooth	4.77	±0.0
10038	CAB	IEEE 802.15.1 Bluetooth (B-QPSK, DH)	Bluetooth	4.10	±0.0
10039	CAB	CDMA2000 (1xRTT, RCH)	CDMA2000	4.57	±0.0
10040	CAB	IS-54 / IS-136 FDD (TDMA/FDM, P4-DQPSK, Fullrate)	AMPS	7.78	±0.0
10041	CAB	IS-97A/TIA-855 FDD (TDMA, F4)	AMPS	0.00	±0.0
10042	CAB	DECT (TDD, TDMA/FDM, QPSK, Full Rate, 24)	DECT	13.80	±0.0
10043	CAB	DECT (TDD, TDMA/FDM, QPSK, Double Slot, 12)	DECT	10.79	±0.0
10050	CAB	UMTS-TDD (TD-SCDMA, 1.28 Mbps)	TD-SCDMA	11.81	±0.0
10051	DAC	EDGE-FDD (TDMA, QPSK, TN 0-1-2-3)	QSM	8.52	±0.0
10052	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.13	±0.0
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	3.83	±0.0
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.80	±0.0
10062	CAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±0.0
10063	CAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±0.0
10064	CAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.58	±0.0
10065	CAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.50	±0.0
10066	CAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±0.0
10067	CAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.13	±0.0
10068	CAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±0.0
10069	CAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.58	±0.0
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±0.0
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±0.0
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±0.0
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.35	±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	10.54	±0.0
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±0.0
10081	CAB	CDMA2000 (1xRTT, RCH)	CDMA2000	3.97	±0.0
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, P4-DQPSK, Fullrate)	AMPS	4.77	±0.0
10090	DAC	QPRS-FDD (TDMA, QPSK, TN 0-4)	QSM	6.56	±0.0
10091	CAC	UMTS-FDD (HSPA, Subnet 2)	WCDMA	3.98	±0.0
10092	DAC	EDGE-FDD (TDMA, QPSK, TN 0-4)	QSM	9.55	±0.0
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	6.07	±0.0
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±0.0
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.00	±0.0
10103	CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	5.25	±0.0
10104	CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	5.97	±0.0
10105	CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±0.0
10106	CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±0.0
10109	CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±0.0
10110	CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±0.0
10111	CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±0.0

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SRP	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	6.99	±0.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.92	±0.6
10114	CAG	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±0.6
10115	CAG	IEEE 802.11n (HT Greenfield, 61 Mbps, 16-QAM)	WLAN	8.40	±0.6
10116	CAG	IEEE 802.11n (HT Greenfield, 125 Mbps, 64-QAM)	WLAN	8.15	±0.6
10117	CAG	IEEE 802.11n (HT M-Mod, 13.5 Mbps, BPSK)	WLAN	8.27	±0.6
10118	CAG	IEEE 802.11n (HT M-Mod, 61 Mbps, 16-QAM)	WLAN	8.59	±0.6
10119	CAG	IEEE 802.11n (HT M-Mod, 125 Mbps, 64-QAM)	WLAN	8.13	±0.6
10120	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±0.6
10121	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.63	±0.6
10122	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±0.6
10123	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.36	±0.6
10124	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±0.6
10125	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	6.76	±0.6
10126	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±0.6
10127	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±0.6
10128	CAF	LTE-FDD (SC-FDMA, 50% RB, 30 MHz, 16-QAM)	LTE-FDD	6.42	±0.6
10129	CAF	LTE-FDD (SC-FDMA, 50% RB, 30 MHz, 64-QAM)	LTE-FDD	6.90	±0.6
10130	CAF	LTE-FDD (SC-FDMA, 50% RB, 30 MHz, QPSK)	LTE-FDD	6.39	±0.6
10131	CAF	LTE-FDD (SC-FDMA, 50% RB, 30 MHz, 16-QAM)	LTE-FDD	6.82	±0.6
10132	CAF	LTE-FDD (SC-FDMA, 50% RB, 30 MHz, 64-QAM)	LTE-FDD	10.05	±0.6
10133	CAF	LTE-FDD (SC-FDMA, 50% RB, 30 MHz, QPSK)	LTE-FDD	5.75	±0.6
10134	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	6.43	±0.6
10135	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	5.79	±0.6
10136	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	6.43	±0.6
10137	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.63	±0.6
10138	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.54	±0.6
10139	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	6.63	±0.6
10140	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.83	±0.6
10141	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.43	±0.6
10142	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	6.58	±0.6
10143	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±0.6
10144	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±0.6
10145	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±0.6
10146	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±0.6
10147	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10148	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.46	±0.6
10149	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.21	±0.6
10150	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.46	±0.6
10151	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	10.25	±0.6
10152	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±0.6
10153	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10154	CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±0.6
10155	CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.92	±0.6
10156	CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.90	±0.6
10157	CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	6.50	±0.6
10158	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.73	±0.6
10159	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.53	±0.6
10160	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10161	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±0.6
10162	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±0.6
10163	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10164	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±0.6
10165	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±0.6
10166	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±0.6
10167	CAG	IEEE 802.11n (HT Greenfield, 4.5 Mbps, BPSK)	WLAN	8.08	±0.6
10168	CAG	IEEE 802.11n (HT Greenfield, 19 Mbps, 16-QAM)	WLAN	8.12	±0.6
10169	CAG	IEEE 802.11n (HT Greenfield, 39 Mbps, 64-QAM)	WLAN	8.21	±0.6
10170	CAG	IEEE 802.11n (HT M-Mod, 4.5 Mbps, BPSK)	WLAN	8.13	±0.6
10171	CAG	IEEE 802.11n (HT M-Mod, 19 Mbps, 16-QAM)	WLAN	8.13	±0.6
10172	CAG	IEEE 802.11n (HT M-Mod, 39 Mbps, 64-QAM)	WLAN	8.27	±0.6
10173	CAG	IEEE 802.11n (HT M-Mod, 7.2 Mbps, BPSK)	WLAN	8.08	±0.6
10174	CAG	IEEE 802.11n (HT M-Mod, 19 Mbps, 16-QAM)	WLAN	8.13	±0.6
10175	CAG	IEEE 802.11n (HT M-Mod, 39 Mbps, 64-QAM)	WLAN	8.27	±0.6
10176	CAG	IEEE 802.11n (HT M-Mod, 7.2 Mbps, BPSK)	WLAN	8.08	±0.6
10177	CAG	IEEE 802.11n (HT M-Mod, 19 Mbps, 16-QAM)	WLAN	8.13	±0.6
10178	CAG	IEEE 802.11n (HT M-Mod, 39 Mbps, 64-QAM)	WLAN	8.27	±0.6
10179	CAG	IEEE 802.11n (HT M-Mod, 7.2 Mbps, BPSK)	WLAN	8.06	±0.6
10180	CAG	IEEE 802.11n (HT M-Mod, 19 Mbps, 16-QAM)	WLAN	8.46	±0.6
10181	CAG	IEEE 802.11n (HT M-Mod, 39 Mbps, 64-QAM)	WLAN	8.08	±0.6

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10225	CAC	UMTS-FDD (HSR+)	WCDMA	5.97	±0.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	5.40	±0.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.30	±0.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.32	±0.6
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±0.6
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±0.6
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	8.19	±0.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.40	±0.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±0.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±0.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.40	±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, 15 MHz, 16-QAM)	LTE-TDD	9.48	±0.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±0.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±0.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.42	±0.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.88	±0.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.45	±0.6
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±0.6
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±0.6
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±0.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±0.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.06	±0.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±0.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.91	±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	9.34	±0.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±0.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±0.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±0.6
10256	CAG	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.99	±0.6
10257	CAG	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.09	±0.6
10258	CAG	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±0.6
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.93	±0.6
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±0.6
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.34	±0.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±0.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.19	±0.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±0.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±0.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.27	±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, 15 MHz, 16-QAM)	LTE-TDD	10.08	±0.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±0.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±0.6
10274	CAC	UMTS-FDD (HSR+, Subnet 3, SCRP Rate 1)	WCDMA	4.27	±0.6
10275	CAC	UMTS-FDD (HSR+, Subnet 3, SCRP Rate 2)	WCDMA	3.56	±0.6
10277	CAA	PHS (QPSK, BW 884MHz, Roll-off 0.35)	PHS	11.61	±0.6
10278	CAA	PHS (QPSK, BW 884MHz, Roll-off 0.35)	PHS	11.61	±0.6
10279	CAA	PHS (QPSK, BW 884MHz, Roll-off 0.35)	PHS	12.18	±0.6
10280	ANB	CDMA2000, PC1, SC95, Full Rate	CDMA2000	3.91	±0.6
10281	ANB	CDMA2000, PC1, SC95, Full Rate	CDMA2000	3.46	±0.6
10282	ANB	CDMA2000, PC1, SC95, Full Rate	CDMA2000	3.36	±0.6
10283	ANB	CDMA2000, PC1, SC95, Full Rate	CDMA2000	3.60	±0.6
10285	ANB	CDMA2000, PC1, SC95, Full Rate	CDMA2000	12.48	±0.6
10287	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.91	±0.6
10288	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±0.6
10289	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±0.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±0.6
10301	AAA	IEEE 802.16e WMAX (20-18, 5 ms, 10 MHz, QPSK, PUSC)	WMAX	12.03	±0.6
10302	AAA	IEEE 802.16e WMAX (20-18, 5 ms, 10 MHz, QPSK, PUSC, 3 [DFTL, symbols])	WMAX	12.57	±0.6
10303	AAA	IEEE 802.16e WMAX (20-18, 5 ms, 10 MHz, 64QAM, PUSC)	WMAX	12.52	±0.6
10304	AAA	IEEE 802.16e WMAX (20-18, 5 ms, 10 MHz, 64QAM, PUSC)	WMAX	11.86	±0.6
10305	AAA	IEEE 802.16e WMAX (20-18, 5 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WMAX	15.34	±0.6
10309	AAA	IEEE 802.16e WMAX (20-18, 5 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WMAX	14.07	±0.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Utra ² A = 2
10307	AAA	IEEE 802.11a WLAN (20-18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	WLAN	14.40	±0.5
10308	AAA	IEEE 802.11a WLAN (20-18, 10ms, 10MHz, 16QAM, PUSC)	WLAN	14.40	±0.5
10309	AAA	IEEE 802.11a WLAN (20-18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	WLAN	14.50	±0.5
10310	AAA	IEEE 802.11a WLAN (20-18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	WLAN	14.57	±0.5
10311	AAB	LTE-FDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-FDD	6.06	±0.5
10313	AAA	IDEN 1.3	IDEN	10.51	±0.5
10314	AAA	IDEN 1.3	IDEN	12.40	±0.5
10315	AAB	IEEE 802.11b WPAN 2.4GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±0.5
10316	AAB	IEEE 802.11g WPAN 2.4GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.39	±0.5
10317	AAB	IEEE 802.11n WPAN 2.4GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.30	±0.5
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±0.5
10353	AAA	Pulse Waveform (200Hz, 25%)	Generic	6.99	±0.5
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±0.5
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	3.32	±0.5
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±0.5
10357	AAA	GFSK Waveform, 1MHz	Generic	5.19	±0.5
10358	AAA	GFSK Waveform, 10MHz	Generic	5.32	±0.5
10359	AAA	64-QAM Waveform, 100 MHz	Generic	5.27	±0.5
10359	AAA	64-QAM Waveform, 40 MHz	Generic	5.27	±0.5
10400	AAP	IEEE 802.11ac WPAN 5GHz (64-QAM, 96pc duty cycle)	WLAN	8.37	±0.5
10401	AAP	IEEE 802.11ac WPAN 5GHz (64-QAM, 96pc duty cycle)	WLAN	8.66	±0.5
10402	AAP	IEEE 802.11ac WPAN 5GHz (64-QAM, 96pc duty cycle)	WLAN	8.53	±0.5
10403	AAB	CDMA2000 (1xEV-DO, Rev. 3)	CDMA2000	5.76	±0.5
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	5.77	±0.5
10406	AAB	CDMA2000, RCS, SCS, SCS, Full Rate	CDMA2000	5.22	±0.5
10410	AAB	LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Cont=)	LTE-TDD	7.62	±0.5
10414	AAA	WLAN 802.11b WPAN 2.4GHz (DSSS, 1 Mbps, 96pc duty cycle)	Generic	0.54	±0.5
10415	AAA	IEEE 802.11b WPAN 2.4GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.54	±0.5
10416	AAA	IEEE 802.11g WPAN 2.4GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.23	±0.5
10417	AAB	IEEE 802.11n WPAN 2.4GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.23	±0.5
10418	AAA	IEEE 802.11g WPAN 2.4GHz (DSSS-OFDM, 6 Mbps, 96pc duty cycle, Long preamble)	WLAN	8.14	±0.5
10419	AAA	IEEE 802.11g WPAN 2.4GHz (DSSS-OFDM, 6 Mbps, 96pc duty cycle, Short preamble)	WLAN	8.19	±0.5
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, 16-QAM)	WLAN	8.32	±0.5
10423	AAB	IEEE 802.11n (HT Greenfield, 40.0 Mbps, 16-QAM)	WLAN	8.47	±0.5
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±0.5
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, 16-QAM)	WLAN	8.41	±0.5
10426	AAB	IEEE 802.11n (HT Greenfield, 30 Mbps, 16-QAM)	WLAN	8.45	±0.5
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±0.5
10430	AAB	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.28	±0.5
10431	AAB	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.38	±0.5
10432	AAB	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	±0.5
10433	AAB	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	±0.5
10434	AAB	WCDMA (SS Test Model 1, 64 DPCCH)	WCDMA	8.65	±0.5
10435	AAB	LTE-FDD (OFDMA, 1 RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.62	±0.5
10447	AAB	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.58	±0.5
10448	AAB	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.53	±0.5
10449	AAB	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±0.5
10450	AAB	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±0.5
10451	AAB	WCDMA (SS Test Model 1, 64 DPCCH, Clipping 44%)	WCDMA	7.50	±0.5
10453	AAB	Validation (Square, 10 MHz, 1 ms)	Test	10.00	±0.5
10456	AAB	IEEE 802.11ac WPAN 5GHz (64-QAM, 96pc duty cycle)	WLAN	8.65	±0.5
10457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±0.5
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.95	±0.5
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	6.95	±0.5
10460	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±0.5
10481	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK, UL Subframe=3,4,7,8,9)	LTE-TDD	7.62	±0.5
10482	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 16-QAM, UL Subframe=3,4,7,8,9)	LTE-TDD	8.30	±0.5
10483	AAB	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM, UL Subframe=3,4,7,8,9)	LTE-TDD	8.59	±0.5
10484	AAB	LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.5
10485	AAB	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.5
10486	AAB	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.5
10487	AAB	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subframe=3,4,7,8,9)	LTE-TDD	7.82	±0.5
10488	AAB	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe=3,4,7,8,9)	LTE-TDD	8.32	±0.5
10489	AAB	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subframe=3,4,7,8,9)	LTE-TDD	8.59	±0.5
10470	AAB	LTE-TDD (SC-FDMA, 1 RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±0.5
10471	AAB	LTE-TDD (SC-FDMA, 1 RB, 10MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.5

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10472	AAQ	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.80	±0.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±0.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.6
10477	AAQ	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±0.6
10478	AAQ	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±0.6
10479	AAQ	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
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	±0.6
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	±0.6
10483	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±0.6
10483	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±0.6
10484	AAQ	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±0.6
10485	AAQ	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±0.6
10486	AAQ	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±0.6
10487	AAQ	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.65	±0.6
10488	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.75	±0.6
10489	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±0.6
10490	AAQ	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±0.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±0.6
10494	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
10495	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.27	±0.6
10496	AAQ	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.64	±0.6
10497	AAQ	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±0.6
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	±0.6
10499	AAQ	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.69	±0.6
10500	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±0.6
10501	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±0.6
10502	AAQ	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.62	±0.6
10503	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±0.6
10504	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±0.6
10505	AAQ	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±0.6
10506	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
10507	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±0.6
10508	AAQ	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±0.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±0.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.43	±0.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.61	±0.6
10512	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±0.6
10513	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.43	±0.6
10514	AAQ	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.48	±0.6
10515	AAA	IEEE 802.11b WiFi (2.4 GHz) (CGSS, 2 Mbps, 90pc duty cycle)	WLAN	1.58	±0.6
10516	AAA	IEEE 802.11b WiFi (2.4 GHz) (CGSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.57	±0.6
10517	AAA	IEEE 802.11b WiFi (2.4 GHz) (CGSS, 11 Mbps, 90pc duty cycle)	WLAN	1.58	±0.6
10518	AAQ	IEEE 802.11a/n WiFi (5 GHz) (QPSK, 6 Mbps, 90pc duty cycle)	WLAN	8.23	±0.6
10519	AAQ	IEEE 802.11a/n WiFi (5 GHz) (QPSK, 12 Mbps, 90pc duty cycle)	WLAN	8.38	±0.6
10520	AAQ	IEEE 802.11a/n WiFi (5 GHz) (QPSK, 18 Mbps, 90pc duty cycle)	WLAN	8.12	±0.6
10521	AAQ	IEEE 802.11a/n WiFi (5 GHz) (QPSK, 24 Mbps, 90pc duty cycle)	WLAN	7.97	±0.6
10522	AAQ	IEEE 802.11a/n WiFi (5 GHz) (QPSK, 36 Mbps, 90pc duty cycle)	WLAN	8.45	±0.6
10523	AAQ	IEEE 802.11a/n WiFi (5 GHz) (QPSK, 48 Mbps, 90pc duty cycle)	WLAN	8.08	±0.6
10524	AAQ	IEEE 802.11a/n WiFi (5 GHz) (QPSK, 54 Mbps, 90pc duty cycle)	WLAN	8.27	±0.6
10525	AAQ	IEEE 802.11a/n WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	6.96	±0.6
10526	AAQ	IEEE 802.11a/n WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	6.42	±0.6
10527	AAQ	IEEE 802.11a/n WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	6.21	±0.6
10528	AAQ	IEEE 802.11a/n WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	6.36	±0.6
10529	AAQ	IEEE 802.11a/n WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	6.36	±0.6
10530	AAQ	IEEE 802.11a/n WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	6.43	±0.6
10531	AAQ	IEEE 802.11a/n WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	6.20	±0.6
10532	AAQ	IEEE 802.11a/n WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	6.39	±0.6
10533	AAQ	IEEE 802.11a/n WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	6.30	±0.6
10534	AAQ	IEEE 802.11a/n WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	6.45	±0.6
10535	AAQ	IEEE 802.11a/n WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	6.45	±0.6
10536	AAQ	IEEE 802.11a/n WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	6.32	±0.6
10537	AAQ	IEEE 802.11a/n WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	6.44	±0.6
10538	AAQ	IEEE 802.11a/n WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	6.54	±0.6
10540	AAQ	IEEE 802.11a/n WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	6.30	±0.6

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10541	AAD	IEEE 802.11ac WiFi (43 MHz, MCS7, 90pc duty cycle)	WLAN	8.46	±0.6
10542	AAD	IEEE 802.11ac WiFi (43 MHz, MCS8, 90pc duty cycle)	WLAN	8.95	±0.6
10543	AAD	IEEE 802.11ac WiFi (43 MHz, MCS9, 90pc duty cycle)	WLAN	8.89	±0.6
10544	AAD	IEEE 802.11ac WiFi (86 MHz, MCS6, 90pc duty cycle)	WLAN	8.47	±0.6
10545	AAD	IEEE 802.11ac WiFi (86 MHz, MCS7, 90pc duty cycle)	WLAN	8.55	±0.6
10546	AAD	IEEE 802.11ac WiFi (86 MHz, MCS8, 90pc duty cycle)	WLAN	8.35	±0.6
10548	AAD	IEEE 802.11ac WiFi (86 MHz, MCS9, 90pc duty cycle)	WLAN	8.49	±0.6
10550	AAD	IEEE 802.11ac WiFi (172 MHz, MCS5, 90pc duty cycle)	WLAN	8.37	±0.6
10551	AAD	IEEE 802.11ac WiFi (172 MHz, MCS6, 90pc duty cycle)	WLAN	8.38	±0.6
10552	AAD	IEEE 802.11ac WiFi (172 MHz, MCS7, 90pc duty cycle)	WLAN	8.53	±0.6
10553	AAD	IEEE 802.11ac WiFi (172 MHz, MCS8, 90pc duty cycle)	WLAN	8.42	±0.6
10554	AAD	IEEE 802.11ac WiFi (172 MHz, MCS9, 90pc duty cycle)	WLAN	8.45	±0.6
10555	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.48	±0.6
10556	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.47	±0.6
10557	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.50	±0.6
10558	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.52	±0.6
10559	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.61	±0.6
10560	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±0.6
10561	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.56	±0.6
10562	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.58	±0.6
10563	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.77	±0.6
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.28	±0.6
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.46	±0.6
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.13	±0.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.00	±0.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.37	±0.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.10	±0.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.30	±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	1.99	±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	1.96	±0.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±0.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±0.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±0.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.42	±0.6
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±0.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.79	±0.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±0.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±0.6
10583	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.59	±0.6
10584	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±0.6
10585	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±0.6
10586	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±0.6
10587	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±0.6
10588	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.79	±0.6
10589	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.38	±0.6
10590	AAD	IEEE 802.11ah WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±0.6
10591	AAD	IEEE 802.11n HT Mixed, 20 MHz, MCS0, 90pc duty cycle	WLAN	8.63	±0.6
10592	AAD	IEEE 802.11n HT Mixed, 20 MHz, MCS1, 90pc duty cycle	WLAN	8.79	±0.6
10593	AAD	IEEE 802.11n HT Mixed, 20 MHz, MCS2, 90pc duty cycle	WLAN	8.64	±0.6
10594	AAD	IEEE 802.11n HT Mixed, 20 MHz, MCS3, 90pc duty cycle	WLAN	8.74	±0.6
10595	AAD	IEEE 802.11n HT Mixed, 20 MHz, MCS4, 90pc duty cycle	WLAN	8.74	±0.6
10596	AAD	IEEE 802.11n HT Mixed, 20 MHz, MCS5, 90pc duty cycle	WLAN	8.71	±0.6
10597	AAD	IEEE 802.11n HT Mixed, 20 MHz, MCS6, 90pc duty cycle	WLAN	8.72	±0.6
10598	AAD	IEEE 802.11n HT Mixed, 20 MHz, MCS7, 90pc duty cycle	WLAN	8.56	±0.6
10599	AAD	IEEE 802.11n HT Mixed, 40 MHz, MCS0, 90pc duty cycle	WLAN	8.79	±0.6
10600	AAD	IEEE 802.11n HT Mixed, 40 MHz, MCS1, 90pc duty cycle	WLAN	8.88	±0.6
10601	AAD	IEEE 802.11n HT Mixed, 40 MHz, MCS2, 90pc duty cycle	WLAN	8.62	±0.6
10602	AAD	IEEE 802.11n HT Mixed, 40 MHz, MCS3, 90pc duty cycle	WLAN	8.94	±0.6
10603	AAD	IEEE 802.11n HT Mixed, 40 MHz, MCS4, 90pc duty cycle	WLAN	9.03	±0.6
10604	AAD	IEEE 802.11n HT Mixed, 40 MHz, MCS5, 90pc duty cycle	WLAN	8.76	±0.6
10605	AAD	IEEE 802.11n HT Mixed, 40 MHz, MCS6, 90pc duty cycle	WLAN	8.97	±0.6
10606	AAD	IEEE 802.11n HT Mixed, 40 MHz, MCS7, 90pc duty cycle	WLAN	8.82	±0.6
10607	AAD	IEEE 802.11ac WiFi (25 MHz, MCS6, 90pc duty cycle)	WLAN	8.64	±0.6
10608	AAD	IEEE 802.11ac WiFi (25 MHz, MCS7, 90pc duty cycle)	WLAN	8.77	±0.6

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10609	AAD	IEEE 802.11ac WPI (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±0.6
10610	AAD	IEEE 802.11ac WPI (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.79	±0.6
10611	AAD	IEEE 802.11ac WPI (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±0.6
10612	AAD	IEEE 802.11ac WPI (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.77	±0.6
10613	AAD	IEEE 802.11ac WPI (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.84	±0.6
10614	AAD	IEEE 802.11ac WPI (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±0.6
10615	AAD	IEEE 802.11ac WPI (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±0.6
10616	AAD	IEEE 802.11ac WPI (40 MHz, MCS50, 90pc duty cycle)	WLAN	8.62	±0.6
10617	AAD	IEEE 802.11ac WPI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.67	±0.6
10618	AAD	IEEE 802.11ac WPI (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.68	±0.6
10619	AAD	IEEE 802.11ac WPI (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.68	±0.6
10620	AAD	IEEE 802.11ac WPI (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±0.6
10621	AAD	IEEE 802.11ac WPI (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±0.6
10622	AAD	IEEE 802.11ac WPI (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.68	±0.6
10623	AAD	IEEE 802.11ac WPI (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±0.6
10624	AAD	IEEE 802.11ac WPI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±0.6
10625	AAD	IEEE 802.11ac WPI (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.96	±0.6
10626	AAD	IEEE 802.11ac WPI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.92	±0.6
10627	AAD	IEEE 802.11ac WPI (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.98	±0.6
10628	AAD	IEEE 802.11ac WPI (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±0.6
10629	AAD	IEEE 802.11ac WPI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±0.6
10630	AAD	IEEE 802.11ac WPI (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±0.6
10631	AAD	IEEE 802.11ac WPI (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±0.6
10632	AAD	IEEE 802.11ac WPI (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±0.6
10633	AAD	IEEE 802.11ac WPI (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.80	±0.6
10634	AAD	IEEE 802.11ac WPI (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.90	±0.6
10635	AAD	IEEE 802.11ac WPI (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±0.6
10636	AAD	IEEE 802.11ac WPI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.83	±0.6
10637	AAD	IEEE 802.11ac WPI (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.70	±0.6
10638	AAD	IEEE 802.11ac WPI (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±0.6
10639	AAD	IEEE 802.11ac WPI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±0.6
10640	AAD	IEEE 802.11ac WPI (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.96	±0.6
10641	AAD	IEEE 802.11ac WPI (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.96	±0.6
10642	AAD	IEEE 802.11ac WPI (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.96	±0.6
10643	AAD	IEEE 802.11ac WPI (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±0.6
10644	AAD	IEEE 802.11ac WPI (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.95	±0.6
10645	AAD	IEEE 802.11ac WPI (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.11	±0.6
10646	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.98	±0.6
10647	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.98	±0.6
10648	AAD	CDMA2000 (1x Advanced)	CDMA2000	3.45	±0.6
10652	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±0.6
10653	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±0.6
10654	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±0.6
10655	AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.31	±0.6
10659	AAD	Pulse Waveform (200Hz, 10%)	Test	10.90	±0.6
10660	AAD	Pulse Waveform (200Hz, 25%)	Test	8.99	±0.6
10661	AAD	Pulse Waveform (200Hz, 40%)	Test	3.99	±0.6
10662	AAD	Pulse Waveform (200Hz, 60%)	Test	2.32	±0.6
10663	AAD	Pulse Waveform (200Hz, 80%)	Test	0.97	±0.6
10670	AAD	Bluetooth Low Energy	Bluetooth	3.19	±0.6
10671	AAD	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.99	±0.6
10672	AAD	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±0.6
10673	AAD	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±0.6
10674	AAD	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±0.6
10675	AAD	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±0.6
10676	AAD	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±0.6
10677	AAD	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±0.6
10678	AAD	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±0.6
10679	AAD	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.88	±0.6
10680	AAD	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.83	±0.6
10681	AAD	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±0.6
10682	AAD	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±0.6
10683	AAD	IEEE 802.11ax (20 MHz, MCS12, 90pc duty cycle)	WLAN	8.42	±0.6
10684	AAD	IEEE 802.11ax (20 MHz, MCS13, 90pc duty cycle)	WLAN	8.28	±0.6
10685	AAD	IEEE 802.11ax (20 MHz, MCS14, 90pc duty cycle)	WLAN	8.33	±0.6
10686	AAD	IEEE 802.11ax (20 MHz, MCS15, 90pc duty cycle)	WLAN	8.28	±0.6

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.45	±0.8
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.29	±0.8
10689	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.55	±0.8
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±0.8
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.25	±0.8
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.29	±0.8
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.29	±0.8
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.57	±0.8
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±0.8
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±0.8
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.89	±0.8
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.82	±0.8
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±0.8
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±0.8
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.88	±0.8
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.75	±0.8
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±0.8
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±0.8
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.66	±0.8
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±0.8
10707	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.52	±0.8
10708	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.55	±0.8
10709	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.33	±0.8
10710	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.39	±0.8
10711	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.39	±0.8
10712	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.57	±0.8
10713	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.33	±0.8
10714	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.39	±0.8
10715	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.45	±0.8
10716	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.30	±0.8
10717	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.48	±0.8
10718	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.24	±0.8
10719	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.61	±0.8
10720	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±0.8
10721	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±0.8
10722	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.58	±0.8
10723	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±0.8
10724	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±0.8
10725	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±0.8
10726	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±0.8
10727	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±0.8
10728	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.66	±0.8
10729	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±0.8
10730	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±0.8
10731	AAC	IEEE 802.11ax (320 MHz, MCS0, 90pc duty cycle)	WLAN	8.42	±0.8
10732	AAC	IEEE 802.11ax (320 MHz, MCS1, 90pc duty cycle)	WLAN	8.46	±0.8
10733	AAC	IEEE 802.11ax (320 MHz, MCS2, 90pc duty cycle)	WLAN	8.40	±0.8
10734	AAC	IEEE 802.11ax (320 MHz, MCS3, 90pc duty cycle)	WLAN	8.25	±0.8
10735	AAC	IEEE 802.11ax (320 MHz, MCS4, 90pc duty cycle)	WLAN	8.33	±0.8
10736	AAC	IEEE 802.11ax (320 MHz, MCS5, 90pc duty cycle)	WLAN	8.27	±0.8
10737	AAC	IEEE 802.11ax (320 MHz, MCS6, 90pc duty cycle)	WLAN	8.38	±0.8
10738	AAC	IEEE 802.11ax (320 MHz, MCS7, 90pc duty cycle)	WLAN	8.43	±0.8
10739	AAC	IEEE 802.11ax (320 MHz, MCS8, 90pc duty cycle)	WLAN	8.29	±0.8
10740	AAC	IEEE 802.11ax (320 MHz, MCS9, 90pc duty cycle)	WLAN	8.48	±0.8
10741	AAC	IEEE 802.11ax (320 MHz, MCS10, 90pc duty cycle)	WLAN	8.43	±0.8
10742	AAC	IEEE 802.11ax (320 MHz, MCS11, 90pc duty cycle)	WLAN	8.43	±0.8
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±0.8
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.18	±0.8
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	9.00	±0.8
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±0.8
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±0.8
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.30	±0.8
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.90	±0.8
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	9.70	±0.8
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.82	±0.8
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.81	±0.8

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10763	AAC	IEEE 802.11ax (160MHz, MCS10, 50pc duty cycle)	WLAN	8.00	±0.8
10764	AAC	IEEE 802.11ax (160MHz, MCS11, 50pc duty cycle)	WLAN	8.04	±0.8
10765	AAC	IEEE 802.11ax (160MHz, MCS5, 50pc duty cycle)	WLAN	8.04	±0.8
10766	AAC	IEEE 802.11ax (160MHz, MCS2, 50pc duty cycle)	WLAN	8.77	±0.8
10767	AAC	IEEE 802.11ax (160MHz, MCS2, 50pc duty cycle)	WLAN	8.77	±0.8
10768	AAC	IEEE 802.11ax (160MHz, MCS4, 50pc duty cycle)	WLAN	8.69	±0.8
10769	AAC	IEEE 802.11ax (160MHz, MCS4, 50pc duty cycle)	WLAN	8.69	±0.8
10781	AAC	IEEE 802.11ax (160MHz, MCS8, 50pc duty cycle)	WLAN	8.49	±0.8
10782	AAC	IEEE 802.11ax (160MHz, MCS8, 50pc duty cycle)	WLAN	8.88	±0.8
10783	AAC	IEEE 802.11ax (160MHz, MCS7, 50pc duty cycle)	WLAN	8.49	±0.8
10783	AAC	IEEE 802.11ax (160MHz, MCS8, 50pc duty cycle)	WLAN	8.53	±0.8
10784	AAC	IEEE 802.11ax (160MHz, MCS10, 50pc duty cycle)	WLAN	8.54	±0.8
10785	AAC	IEEE 802.11ax (160MHz, MCS10, 50pc duty cycle)	WLAN	8.54	±0.8
10786	AAC	IEEE 802.11ax (160MHz, MCS11, 50pc duty cycle)	WLAN	8.51	±0.8
10767	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.98	±0.8
10768	AAG	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±0.8
10769	AAG	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±0.8
10770	AAG	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±0.8
10771	AAG	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±0.8
10772	AAG	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±0.8
10773	AAG	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±0.8
10774	AAG	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±0.8
10775	AAG	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±0.8
10776	AAG	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±0.8
10777	AAG	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±0.8
10778	AAG	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±0.8
10779	AAG	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±0.8
10780	AAG	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±0.8
10781	AAG	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±0.8
10782	AAG	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±0.8
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±0.8
10784	AAG	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.28	±0.8
10785	AAG	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±0.8
10786	AAG	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.36	±0.8
10787	AAG	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±0.8
10788	AAG	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±0.8
10789	AAG	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±0.8
10790	AAG	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±0.8
10791	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±0.8
10792	AAG	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±0.8
10793	AAG	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±0.8
10794	AAG	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±0.8
10795	AAG	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±0.8
10796	AAG	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±0.8
10797	AAG	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±0.8
10798	AAG	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±0.8
10799	AAG	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±0.8
10800	AAG	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±0.8
10801	AAG	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±0.8
10802	AAG	5G NR (CP-OFDM, 1 RB, 120 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±0.8
10803	AAG	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.24	±0.8
10804	AAG	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.27	±0.8
10805	AAG	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.8
10810	AAG	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.8
10811	AAG	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.38	±0.8
10812	AAG	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±0.8
10813	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±0.8
10814	AAG	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.8
10815	AAG	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±0.8
10820	AAG	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.38	±0.8
10821	AAG	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±0.8
10822	AAG	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±0.8
10823	AAG	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±0.8
10824	AAG	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±0.8
10825	AAG	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±0.8
10827	AAG	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±0.8
10828	AAG	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±0.8

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10829	AAF	SG NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.40	±0.6
10830	AAE	SG NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.83	±0.6
10831	AAE	SG NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.73	±0.6
10832	AAF	SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.74	±0.6
10833	AAE	SG NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.70	±0.6
10834	AAE	SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.75	±0.6
10835	AAF	SG NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.70	±0.6
10836	AAF	SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.68	±0.6
10837	AAF	SG NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.68	±0.6
10838	AAF	SG NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.70	±0.6
10840	AAE	SG NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.67	±0.6
10841	AAF	SG NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.71	±0.6
10842	AAE	SG NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.49	±0.6
10844	AAE	SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.34	±0.6
10846	AAE	SG NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.41	±0.6
10854	AAE	SG NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.34	±0.6
10855	AAE	SG NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.36	±0.6
10856	AAE	SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.37	±0.6
10857	AAE	SG NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.35	±0.6
10858	AAE	SG NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.36	±0.6
10859	AAE	SG NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.34	±0.6
10860	AAE	SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.41	±0.6
10861	AAF	SG NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.40	±0.6
10862	AAF	SG NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.41	±0.6
10864	AAE	SG NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.37	±0.6
10865	AAE	SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 80 kHz)	SG NR FR1 TDD	8.41	±0.6
10866	AAF	SG NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.80	±0.6
10868	AAF	SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.89	±0.6
10869	AAE	SG NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	5.75	±0.6
10870	AAE	SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	5.86	±0.6
10871	AAE	SG NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	5.75	±0.6
10872	AAE	SG NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	6.52	±0.6
10873	AAE	SG NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	6.61	±0.6
10874	AAE	SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	SG NR FR2 TDD	6.65	±0.6
10875	AAE	SG NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 180 kHz)	SG NR FR2 TDD	7.76	±0.6
10876	AAE	SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 180 kHz)	SG NR FR2 TDD	8.39	±0.6
10877	AAE	SG NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 180 kHz)	SG NR FR2 TDD	7.95	±0.6
10878	AAE	SG NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 180 kHz)	SG NR FR2 TDD	8.41	±0.6
10879	AAE	SG NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 180 kHz)	SG NR FR2 TDD	8.12	±0.6
10880	AAE	SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 180 kHz)	SG NR FR2 TDD	8.38	±0.6
10881	AAE	SG NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 120 MHz)	SG NR FR2 TDD	5.75	±0.6
10882	AAE	SG NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 120 MHz)	SG NR FR2 TDD	5.96	±0.6
10883	AAE	SG NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 MHz)	SG NR FR2 TDD	6.57	±0.6
10884	AAE	SG NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 MHz)	SG NR FR2 TDD	6.53	±0.6
10885	AAE	SG NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 MHz)	SG NR FR2 TDD	6.45	±0.6
10886	AAE	SG NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 MHz)	SG NR FR2 TDD	6.68	±0.6
10887	AAE	SG NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 120 MHz)	SG NR FR2 TDD	7.79	±0.6
10888	AAE	SG NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 120 MHz)	SG NR FR2 TDD	8.35	±0.6
10889	AAE	SG NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 MHz)	SG NR FR2 TDD	8.02	±0.6
10890	AAE	SG NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 MHz)	SG NR FR2 TDD	8.43	±0.6
10891	AAE	SG NR (CP-OFDM, 1 RB, 60 MHz, 64QAM, 120 MHz)	SG NR FR2 TDD	8.13	±0.6
10892	AAE	SG NR (CP-OFDM, 100% RB, 60 MHz, 64QAM, 120 MHz)	SG NR FR2 TDD	8.41	±0.6
10893	AAE	SG NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.66	±0.6
10894	AAE	SG NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.67	±0.6
10895	AAE	SG NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.67	±0.6
10896	AAE	SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±0.6
10897	AAE	SG NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±0.6
10898	AAE	SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±0.6
10899	AAE	SG NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±0.6
10900	AAE	SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±0.6
10901	AAE	SG NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±0.6
10902	AAE	SG NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±0.6
10903	AAE	SG NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.78	±0.6
10904	AAE	SG NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.95	±0.6
10905	AAE	SG NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.96	±0.6
10910	AAE	SG NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.95	±0.6

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10011	AAB	5G NR (DFT-s-OFDM, 50% RB, 35 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±0.6
10012	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.6
10013	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.6
10014	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±0.6
10015	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±0.6
10016	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±0.6
10017	AAD	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±0.6
10018	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±0.6
10019	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±0.6
10020	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±0.6
10021	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.6
10022	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±0.6
10023	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.6
10024	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.6
10025	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±0.6
10026	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±0.6
10027	AAD	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±0.6
10028	AAD	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.32	±0.6
10029	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.32	±0.6
10030	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.32	±0.6
10031	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.31	±0.6
10032	AAD	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.31	±0.6
10033	AAD	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.31	±0.6
10034	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.31	±0.6
10035	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.31	±0.6
10036	AAD	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.30	±0.6
10037	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.37	±0.6
10038	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.40	±0.6
10039	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±0.6
10040	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.86	±0.6
10041	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±0.6
10042	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±0.6
10043	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.86	±0.6
10044	AAD	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±0.6
10045	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±0.6
10046	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±0.6
10047	AAD	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±0.6
10048	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±0.6
10049	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±0.6
10050	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±0.6
10051	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±0.6
10052	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.25	±0.6
10053	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.15	±0.6
10054	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.23	±0.6
10055	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.42	±0.6
10056	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.14	±0.6
10057	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.31	±0.6
10058	AAA	5G NR DL (CP-OFDM, TM 3.1, 35 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.01	±0.6
10059	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.33	±0.6
10060	AAA	5G NR DL (CP-OFDM, TM 3.1, 45 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.32	±0.6
10061	AAC	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.36	±0.6
10062	AAB	5G NR DL (CP-OFDM, TM 3.1, 55 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.40	±0.6
10063	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.95	±0.6
10064	AAC	5G NR DL (CP-OFDM, TM 3.1, 65 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.29	±0.6
10065	AAC	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.37	±0.6
10066	AAB	5G NR DL (CP-OFDM, TM 3.1, 75 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.25	±0.6
10067	AAD	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.42	±0.6
10068	AAD	5G NR DL (CP-OFDM, TM 3.1, 85 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.49	±0.6
10069	AAC	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.59	±0.6
10070	AAD	5G NR DL (CP-OFDM, TM 3.1, 95 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.95	±0.6
10071	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	6.95	±0.6
10072	AAA	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±0.6
10073	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.95	±0.6
10074	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±0.6
10075	AAA	ULLA BDR	ULLA	1.10	±0.6
10076	AAA	ULLA HDRM	ULLA	3.58	±0.6
10077	AAA	ULLA HDRS	ULLA	10.32	±0.6
10078	AAA	ULLA HDRM4	ULLA	3.79	±0.6
10079	AAA	ULLA HDRM6	ULLA	3.43	±0.6

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SRD	Rev	Communication System Name	Group	PAR (dB)	Unc ² k=2
10982	AAD	5G NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 15MHz)	5G NR FR1 TDD	9.31	±0.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 15MHz)	5G NR FR1 TDD	9.42	±0.6
10985	AAD	5G NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.54	±0.6
10986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.50	±0.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.53	±0.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.39	±0.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.33	±0.6
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.50	±0.6
11000	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	10.24	±0.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	10.73	±0.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25MHz, 64-QAM, 15kHz)	5G NR FR1 PCD	8.70	±0.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 15kHz)	5G NR FR1 PCD	8.55	±0.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 15kHz)	5G NR FR1 PCD	8.46	±0.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 15kHz)	5G NR FR1 PCD	8.51	±0.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25MHz, 64-QAM, 30kHz)	5G NR FR1 PCD	8.78	±0.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30MHz, 64-QAM, 30kHz)	5G NR FR1 PCD	8.66	±0.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40MHz, 64-QAM, 30kHz)	5G NR FR1 PCD	8.56	±0.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50MHz, 64-QAM, 30kHz)	5G NR FR1 PCD	8.66	±0.6
11013	AAB	IEEE 802.11be (320MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±0.6
11014	AAB	IEEE 802.11be (320MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±0.6
11015	AAB	IEEE 802.11be (320MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±0.6
11016	AAB	IEEE 802.11be (320MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±0.6
11017	AAB	IEEE 802.11be (320MHz, MCS5, 99pc duty cycle)	WLAN	8.61	±0.6
11018	AAB	IEEE 802.11be (320MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±0.6
11019	AAB	IEEE 802.11be (320MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±0.6
11020	AAB	IEEE 802.11be (320MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±0.6
11021	AAB	IEEE 802.11be (320MHz, MCS9, 99pc duty cycle)	WLAN	8.40	±0.6
11022	AAB	IEEE 802.11be (320MHz, MCS10, 99pc duty cycle)	WLAN	8.30	±0.6
11023	AAB	IEEE 802.11be (320MHz, MCS11, 99pc duty cycle)	WLAN	8.39	±0.6
11024	AAB	IEEE 802.11be (320MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±0.6
11025	AAB	IEEE 802.11be (320MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±0.6
11026	AAB	IEEE 802.11be (320MHz, MCS14, 99pc duty cycle)	WLAN	8.39	±0.6

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

Appendix D.2 Calibration certificate for DAE_SN567

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

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




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 Swiss Calibration Service

Accreditation No.: **SCS 0108**

Certificate No.: **DAE3-567_Feb24**

CALIBRATION CERTIFICATE

Object: **DAE3 - SD 000 D03 AA - SN: 567**

Calibration procedure(s): **QA CAL-06.v30**
 Calibration procedure for the data acquisition electronics (DAE)

Calibration date: **February 16, 2024**

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Kalibrier Multimeter Type 2001	SR: 0810278	29-Aug-23 (Nod17421)	Aug-24

Secondary Standards	ID #	Check Date (in house)	Scheduled Check
Auto DAE Calibration Unit	SE UWS 003 AA 1001	23-Jan-24 (in house check)	In house check: Jan-25
Calibrator Box V2.1	SE UWS 008 AA 1002	23-Jan-24 (in house check)	In house check: Jan-25

Calibrated by: **Dominique Stoffen**

Approved by: **Sven Köhn**

Name: **Dominique Stoffen**

Function: **Laboratory Technician**

Technical Manager

Signature: 



Issued: February 16, 2024

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Certificate No: DAE3-567_Feb24

Page 1 of 5

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Accreditation No.: SCS 0108

Glossary

DAE data acquisition electronics
Connector angle Information used in DASY system to align probe sensor X to the robot coordinate system.

Methods Applied and Interpretation of Parameters

- **DC Voltage Measurement:** Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- **Connector angle:** The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
 - **DC Voltage Measurement Linearity:** Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
 - **Common mode sensitivity:** Influence of a positive or negative common mode voltage on the differential measurement.
 - **Channel separation:** Influence of a voltage on the neighbor channels not subject to an input voltage.
 - **AD Converter Values with inputs shorted:** Values on the internal AD converter corresponding to zero input voltage
 - **Input Offset Measurement:** Output voltage and statistical results over a large number of zero voltage measurements.
 - **Input Offset Current:** Typical value for information; Maximum channel input offset current, not considering the input resistance.
 - **Input resistance:** Typical value for information; DAE input resistance at the connector, during internal auto-zeroing and during measurement.
 - **Low Battery Alarm Voltage:** Typical value for information. Below this voltage, a battery alarm signal is generated.
 - **Power consumption:** Typical value for information. Supply currents in various operating modes.

DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB = 6.1 μ V, full range = -100...+300 mV

Low Range: 1LSB = 61nV, full range = -1.....+3mV

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Calibration Factors	X	Y	Z
High Range	404.646 $\pm$ 0.02% (k=2)	404.382 $\pm$ 0.02% (k=2)	404.483 $\pm$ 0.02% (k=2)
Low Range	3.92682 $\pm$ 1.50% (k=2)	3.95906 $\pm$ 1.50% (k=2)	3.94509 $\pm$ 1.50% (k=2)

Connector Angle

Connector Angle to be used in DASY system	7.0 ° $\pm$ 1 °
---	-----------------

Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	199997.63	0.16	0.00
Channel X + Input	20008.51	2.97	0.01
Channel X - Input	-19995.08	3.53	-0.02
Channel Y + Input	199994.79	-2.54	-0.00
Channel Y + Input	20005.68	1.05	0.01
Channel Y - Input	-19998.41	2.07	-0.01
Channel Z + Input	199998.48	0.73	0.00
Channel Z + Input	20004.07	-1.57	-0.01
Channel Z - Input	-19995.87	2.61	-0.01

Low Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	2004.54	0.11	0.01
Channel X + Input	204.82	0.28	0.14
Channel X - Input	-195.41	0.02	-0.01
Channel Y + Input	2004.05	-0.42	-0.02
Channel Y + Input	204.33	-0.35	-0.17
Channel Y - Input	-195.02	0.24	-0.12
Channel Z + Input	2004.68	0.21	0.01
Channel Z + Input	203.98	-0.49	-0.24
Channel Z - Input	-196.29	-0.94	0.48

2. Common mode sensitivity

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	2.90	1.35
	- 200	-0.35	-2.22
Channel Y	200	-3.28	-3.47
	- 200	2.84	2.26
Channel Z	200	3.63	3.45
	- 200	-4.54	-4.75

3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Input Voltage (mV)	Channel X (μV)	Channel Y (μV)	Channel Z (μV)
Channel X	200	-	-1.42	-2.72
Channel Y	200	8.21	-	0.13
Channel Z	200	5.89	5.67	-

4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	16246	14236
Channel Y	16135	12885
Channel Z	15968	15810

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Input 10MΩ

	Average (μV)	min. Offset (μV)	max. Offset (μV)	Std. Deviation (μV)
Channel X	1.33	-0.17	2.48	0.50
Channel Y	-0.25	-1.66	1.20	0.46
Channel Z	-0.04	-1.66	0.72	0.39

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

	Zeroing (kΩm)	Measuring (MΩm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)
Supply (+ Vcc)	+7.9
Supply (- Vcc)	-7.6

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+5	+14
Supply (- Vcc)	-0.01	-6	-9

Appendix D.3 Calibration certificate for Dipole_SN1124

Calibration Laboratory of
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 Zeughausstrasse 43, 8004 Zurich, Switzerland

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Accreditation No.: SCS 0108

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

Certificate No. **D2600V2-1124_Jul24**

CALIBRATION CERTIFICATE

Object **D2600V2 - SN: 1124**

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

Calibration date **July 22, 2024**

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
 The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.
 All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 5 °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: 103967	26-Mar-24 (No. 217-24038)	Mar-25
Power Sensor R&S NRP18A	SN: 101859	21-Mar-24 (No. 4230A315007801)	Mar-25
Spectrum Analyzer R&S FSVA0	SN: 101838	25-Jan-24 (No. 4530-315007951)	Jan-25
Mismatch: Short [S418M] Attenuator [S4423]	SN: 1152	26-Mar-24 (No. 217-24038)	Mar-25
CCP DAK-12	SN: 1016	05-Oct-23 (No. CCP-DAK12-1016_Oct23)	Oct-24
CCP DAK-3.5	SN: 1249	05-Oct-23 (No. CCP-DAK3.5-1249_Oct23)	Oct-24
Reference Probe EX30V4	SN: 7349	03-Jun-24 (No. EX3-7349_Jun24)	Jun-25
DAE4p	SN: 1836	10-Jan-24 (No. DAE4p-1836_Jan24)	Jan-25

Secondary Standards	ID	Check Date (in house)	Scheduled Check
ACAD Source Box	SN: 1000	23-May-24 (No. 675-ACAD_Source_Box-240523)	May-25
Signal Generator R&S SMB100A	SN: 182081	23-May-24 (No. 0001-300715404)	May-25
Mismatch: SMA	SN: 1102	22-May-24 (No. 675-Mismatch_SMA-240522)	May-25

	Name	Function	Signature
Calibrated by	Knelemin Pranjic	Laboratory Technician	
Approved by	Brian Kohn	Technical Manager	

Issued: July 22, 2024

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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

- IECIEEE 62209-1538, "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 8 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 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 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: 1124

July 22, 2024

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	10 mm	with spacer
Zoom Scan Resolution	dx, dy = 5mm, dz = 1.5mm	Graded Ratio = 1.5 mm (Z direction)
Frequency	2600MHz ±1MHz	

Head TSL parameters at 2600 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	39.0	1.96 mho/m
Measured Head TSL parameters	(22.0 ±0.2)°C	37.2 ±5%	1.98 mho/m ±5%
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 2600 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	13.7 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	54.5 W/kg ±17.0% (k = 2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	6.15 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	24.5 W/kg ±16.5% (k = 2)

D2600V2 - SN: 1124

July 22, 2024

Appendix (Additional assessments outside the scope of SCS 0106)

Antenna Parameters with Head TSL at 2600 MHz

Impedance	49.9 Ω - 7.3 j Ω
Return Loss	-22.6 dB

General Antenna Parameters and Design

Electrical Delay (one direction)	1.152 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

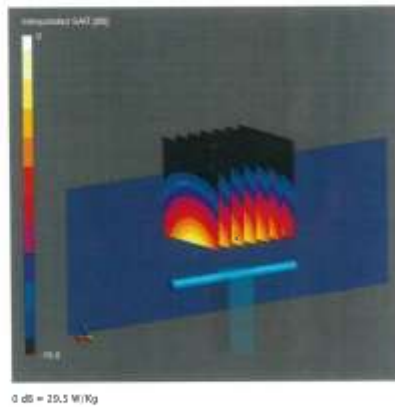
Manufactured by	SPEAG
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D2600V2 - SN: 1124

July 22, 2024

System Performance Check Report

Summary								
Device	Frequency (MHz)			TSL	Power (dBm)			
D2600V2 - SN1124	2508			HSL	24			
Exposure Conditions								
Phantom Section, TSL	Test Distance (mm)	Band	Group, STD	Frequency (MHz)	Channel Number	Conversion Factor	TSL Conductivity (S/m)	TSL Permeability
Flat	10	DW, D---		2508, 0		7.29	1.55	0.72
Hardware Setup								
Phantom	TSL Measured Date			Probe, Calibration Date		DAS, Calibration Date		
MPF V100 Config	HSL, 2024-07-22			G232PR - SN7348, 2024-06-03		GAS09 SN1836, 2024-01-10		
Scans Setup				Measurement Results				
Zoom Scan				Zoom Scan				
Grid Size (mm)				30 x 10 x 10				
Grid Steps (mm)				3.0 x 3.0 x 1.5				
Sensor Surface (mm)				1.4				
Coated Grid				Yes				
Coating Ratio				1.5				
SAR				N/A				
Surface Detection				VMS - 0p				
Scan Method				Measured				
				Date				
				2024-07-22				
				pSAR (p W/Kg)				
				13.7				
				pSAR (p W/Kg)				
				6.15				
				Power DITS (dB)				
				-0.01				
				Power Scaling				
				Disabled				
				Scaling Factor (dB)				
				TSL Correction				
				Positive / Negative				



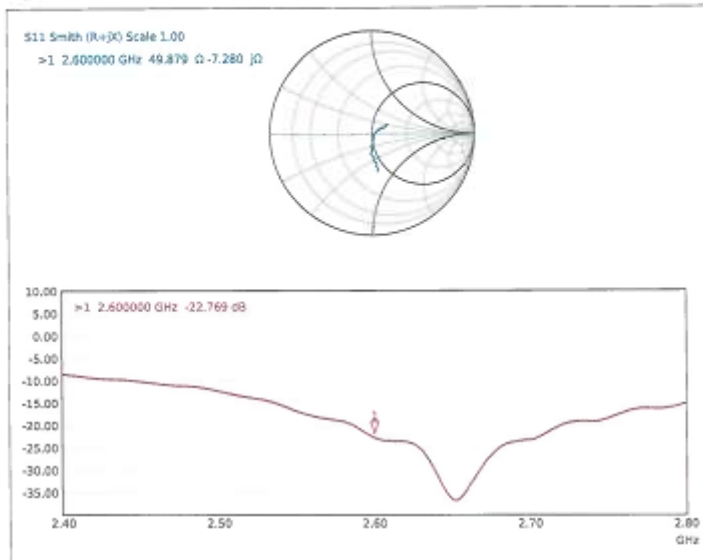
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D2800V2 - SN: 1124

July 22, 2024

Impedance Measurement Plot for Head TSL



Certificate No: D2800V2-1124_Jul24

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