

Schweizerischer Kalibrierdienst

Service suisse d'étalonnage

С Servizio svizzero di taratura S

Swiss Calibration Service

Accreditation No.: SCS 0108

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Client **UL USA**

Certificate No: 5G-Veri10-1040_Jan23

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CALIBRATION CERTIFICATE

Object 5G Verification Source 10 GHz - SN: 1040													
Calibration procedure(s)	QA CAL-45.v4 Calibration proced	dure for sources in air above 6 GHz											
Calibration date:	January 19, 2023												
This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI). The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate. All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.													
Calibration Equipment used (M&TE	critical for calibration)		, , , , , , , , , , , , , , , , , , , ,										
Primary Standards	ID #	Cal Date (Certificate No.)	Schodulod Calibration										
Reference Probe EUmmWV3	SN: 9374	2023-01-03(No. EUmmWV/3-9374 Jan23)	Jan-24										
DAE4ip	SN: 1602	2022-06-27 (No. DAF4in-1602 Jun22)	Jun-23										
Secondary Standarda	1.0."	· · · · · · · · · · · · · · · · · · ·											
BE generater DBC OMETODA	ID #	Check Date (in house)	Scheduled Check										
RF generator R&S SMF100A	SN: 100184	19-May-22 (in house check Nov-22)	In house check: Nov-23										
Power sensor H&S NHP18S-10	SN: 101258	31-May-22 (in house check Nov-22)	In house check: Nov-23										
Calibrated by:	Name Leif Klysner	Function	Signature										
			Saf Algen										
Approved by:	proved by: Sven Kühn Technical Manager												
This calibration certificate shall not	be reproduced except in f	ull without written approval of the laboratory.	Issued: February 7, 2023										



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Glossary

CW Continuous wave

Calibration is Performed According to the Following Standards

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

Methods Applied and Interpretation of Parameters

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

Calibrated Quantity

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

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

Measurement Conditions

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

DASY Version	DASY8 Module mmWave	V3.2
Phantom	5G Phantom	
Distance Horn Aperture - plane	10 mm	
XY Scan Resolution	dx, dy = 7.5 mm	
Number of measured planes	2 (10mm, 10mm + \/4)	
Frequency	10 GHz ± 10 MHz	

Calibration Parameters, 10 GHz

Circular Averaging

Distance Horn Aperture to Measured Plane	Prad ^{ri} (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Avg Powe Avg (psPDn+, psF (W/	Uncertainty (k = 2)	
				1 cm ²	4 cm ²	
10 mm	mm 86.1 1		1.27 dB	64.7 59.0		1.28 dB

Distance Horn Aperture to Measured Plane	Prad¹ (mW)	Prad ¹ Max E-fieldUncertainty(mW)(V/m)(k = 2)		Power psPDn+, psPDt (W	Uncertainty (k = 2)	
				1 cm ²	4 cm ²	
10 mm	86.1	163	1.27 dB	61.3, 65.9, 66.8	55.4, 60.4, 61.2	1.28 dB

Square Averaging

Distance Horn Aperture to Measured Plane	Prad ¹ Max E-field Uncer (mW) (V/m) (k =		Uncertainty (k = 2)	Avg Powe Avg (psPDn+, psl (W	Avg Power Density J (psPDn+, psPDtot+, psPDmod+) (W/m ²)		
				1 cm ²	4 cm ²		
10 mm	86.1	163	1.27 dB	64.7	58.9	1.28 dB	

Distance Horn Aperture to Measured Plane	Prad ¹ (mW)	Max E-fieldUncertainty(V/m)(k = 2)		Power psPDn+, psPDt (W	Uncertainty (k = 2)	
				1 cm ²	4 cm ²	
10 mm 86.1		163	1.27 dB	61.3, 65.9, 66.8	55.3, 60.3, 61.1	1.28 dB

Max Power Density

Distance Horn Aperture to Measured Plane	Prad¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Max Power Density Sn, Stot, Stot (W/m²)	Uncertainty (k = 2)
10 mm	86.1	163	1.27 dB	63.5, 67.8, 68.8	1.28 dB

 $^{^{\}rm 1}$ Assessed ohmic and mismatch loss plus numerical offset: 0.55 dB

Certificate No: 5G-Veri10-1040_Jan23

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000 (10000.0MHz)

Device under Test Pro	operties					
Name, Manufacturer	Dimensions [r	nm]	IMEI		DUT Type	
5G Verification Source 10 G	Hz 100.0 x 100.0	x 172.0	SN: 104	40	1	
Exposure Conditions						
Phantom Section	Position, Test Distance [mm]	e Band	Gro	ир,	Frequency [MHz], Channel Number	Conversion Factor
5G -	10.0 mm	Validation band	CW		10000.0, 10000	1.0
Hardware Setup Phantom mmWave Phantom - 1002	Medium Air			Probe, Calibration D EUmmWV3 - SN9374 2023-01-03	ate 4_F1-55GHz,	DAE, Calibration Date DAE4ip Sn1602, 2022-06-27
Scan Setup				Measurement R	esults	
		5G S	ican			5G Scan
Grid Extents [mm]		120.0 x 12	20.0	Date		2023-01-19 10:59
Grid Steps [lambda]		0.25 x (0.25	Avg. Area [cm ²]		1.00
Sensor Surface [mm]		:	10.0	Avg. Type		Circular Averaging
MAIA		MAIA not u	ised	psPDn+ [W/m²]		61.3
				psPDtot+ [W/m ²]		65.9
				psPDmod+ [W/m ²]		66.8
				iviax(Sn) [W/m²]		63.5
				Max(Stot) [W/m²]	21	67.8
				Fmax [V/m]	-1	68.8
						163



Power Drift [dB]

-0.00

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000 (10000.0MHz)

Device under Test Pro	operties					
Name, Manufacturer	Dimensions [mn	n]	IMEI		DUT Type	
5G Verification Source 10 G	iHz 100.0 x 100.0 x	172.0	SN: 10	40		
Exposure Conditions						
Phantom Section	Position, Test Distance [mm]	Band	Gro	ир,	Frequency [MHz], Channel Number	Conversion Factor
5G 🚓	10.0 mm	Validation band	cw		10000.0, 10000	1.0
Hardware Setup Phantom mmWave Phantom - 1002	Medium Air			Probe, Calibration Da EUmmWV3 - SN9374_ 2023-01-03	te F1-55GHz,	DAE, Calibration Date DAE4ip Sn1602, 2022-06-27
Scan Setup				Measurement Re	sults	
		5G S	can			5G Scan
Grid Extents [mm]		120.0 x 12	20.0	Date		2023-01-19 10:59
Grid Steps [lambda]		0.25 x ().25	Avg. Area [cm ²]		4.00
Sensor Surface [mm]		1	10.0	Avg. Type		Circular Averaging
MAIA		MAIA not u	sed	psPDn+ [W/m²]		55.4
				psPDtot+ [W/m²]		60.4
				psPDmod+ [W/m²]		61.2
				Max(Sn) [W/m ²]		63.5
				Max(Stot) [W/m ²]		67.8
				Max(Stot) [W/m ²]		68.8
				Emax [V/m]		163
				Power Drift [dB]		-0.00



-0.00

Measurement Report for 5G Verification Source 10 GHz, UID 0 -, Channel 10000 (10000.0MHz)

Device under Test Pro Name, Manufacturer 5G Verification Source 10 G	Dimensions Hz 100.0 x 100.	[mm] 0 x 172.0	IMEI SN: 1040	DUT Туре	
Exposure Conditions Phantom Section	Position, Test Distan [mm]	ce Band	Group,	Frequency [MH Channel Numb	lz], Conversion Factor er
5G -	10.0 mm	Validation band	CW	10000.0, 10000	1,0
Hardware Setup Phantom mmWave Phantom - 1002	Medium Air		Probe, C EUmmW 2023-01	C alibration Date /V3 - SN9374_F1-55GHz, L-03	DAE, Calibration Date DAE4ip Sn1602, 2022-06-27
Scan Setup			Measu	rement Results	
Grid Extents [mm] Grid Steps [lambda] Sensor Surface [mm] MAIA		5G 120.0 x 1 0.25 x MAIA not	Scan 20.0 Date 0.25 Avg. Ar 10.0 Avg. Ty used psPDn-1 psPDto psPDm Max(Sr Max(St Max(St Max(St Max(St) Emax [V/	rea [cm²] /pe + [W/m²] od+ [W/m²] od+ [W/m²] ot) [W/m²] sot] [W/m²] fot]) [W/m²] /m]	5G Scan 2023-01-19, 10:59 1.00 Square Averaging 61.3 65.9 66.8 63.5 67.8 68.8 163



Power Drift [dB]

163

-0.00

Device under Test Pro	perties					
Name, Manufacturer	Dimensions (mr	n]	IMEI		DUT Type	
5G Verification Source 10 G	Hz 100.0 x 100.0 x	172.0	SN: 104	10	5.00	
Exposure Conditions						
Phantom Section	Position, Test Distance [mm]	Band	Gro	φ ,	Frequency (MHz), Channel Number	Conversion Factor
5G -	10.0 mm	Validation band	CW		10000.0, 10000	1.0
Hardware Setup Phantom mmWave Phantom - 1002	Medium Air			Probe, Calibration Dat EUmmWV3 - SN9374_ 2023-01-03	te F1-55GHz,	DAE, Calibration Date DAE4ip Sn1602, 2022-06-27
Scan Setup				Measurement Re	sults	
•		5G S	can			5G Scan
Grid Extents [mm]		120.0 x 12	20.0	Date		2023-01-19, 10:59
Grid Steps [lambda]		0.25 x ().25	Avg. Area [cm ²]		4.00
Sensor Surface [mm]		1	10.0	Avg. Type		Square Averaging
MAIA		MAIA not u	ised	psPDn+ [W/m²]		55.3
				psPDtot+ [W/m ²]		60.3
				psPDmod+ [W/m ²]		61.1
				Max(Sn) [W/m ²]		63.5
				Max(Stot) [W/m ²]		67.8
				$V(ax(Stot) W/m^2)$		68.8
				Power Drift (dB)		163
				i ower Drift [ub]		-0.00



mmWave Rotated Square Validation_Probe SN 9617 SAR 1A

SAR Lab	Test Date	5G Probe SN	Probe Cal. Due Date	DAE SN	DAE Cal. Due Date	Frequency (GHz)	5G Verification Source SN	Source Cal. Due Data	Averaging Type	Input Power Source Cal. (dBm)	Input Power System Cart (dBm)	Measured psPDn (W/m ²) over 4cm ²	Target psPDn (W/m ²) over 4cm ²	Deviation (dB)	Delta	Measured psPDtot (W/m ²) over 4cm ²	Target psPDtot (W/m ²) over 4cm ²	Deviation (dB)	Delta	Measured psPDmod (W/m ²) over 4cm ²	Target psPDmod (W/m ²) over 4cm ²	Deviation (dB)	Delta
1A	2/22/2024	9617	1/15/2025	1715	2/12/2025	10	1040	9/5/2024	Square	20.0	20.00	54.7	55.6	-0.07	-2%	54.9	55.6	-0.06	-1%	55.1	55.6	-0.04	-1%
1A	2/22/2024	9617	1/15/2025	1715	2/12/2025	10	1040	9/5/2024	Square	20.0	20.00	56.4	55.6	0.06	1%	56.7	55.6	0.09	2%	57.0	55.6	0.11	3%
1A	2/22/2024	9617	1/15/2025	1715	2/12/2025	10	1040	9/5/2024	Square	20.0	20.00	55.1	55.6	-0.04	-1%	56.3	55.6	0.05	1%	56.6	55.6	0.08	2%
1A	2/22/2024	9617	1/15/2025	1715	2/12/2025	10	1040	9/5/2024	Square	20.0	20.00	55.9	55.6	0.02	1%	56.8	55.6	0.09	2%	57.4	55.6	0.14	3%
1A	2/22/2024	9617	1/15/2025	1715	2/12/2025	10	1040	9/5/2024	Square	20.0	20.00	55.3	55.6	-0.02	-1%	55.6	55.6	0.00	0%	55.9	55.6	0.02	1%
1A	2/22/2024	9617	1/15/2025	1715	2/12/2025	10	1040	9/5/2024	Square	20.0	20.00	55.2	55.6	-0.03	-1%	55.5	55.6	-0.01	0%	55.8	55.6	0.02	0%
1A	2/22/2024	9617	1/15/2025	1715	2/12/2025	10	1040	9/5/2024	Square	20.0	20.00	54.9	55.6	-0.06	-1%	55.5	55.6	-0.01	0%	55.9	55.6	0.02	1%
1A	2/22/2024	9617	1/15/2025	1715	2/12/2025	10	1040	9/5/2024	Square	20.0	20.00	55.2	55.6	-0.03	-1%	55.8	55.6	0.02	0%	56.1	55.6	0.04	1%
1A	2/22/2024	9617	1/15/2025	1715	2/12/2025	10	1040	9/5/2024	Square	20.0	20.00	56.8	55.6	0.09	2%	57.8	55.6	0.17	4%	58.1	55.6	0.19	4%
1A	2/22/2024	9617	1/15/2025	1715	2/12/2025	10	1040	9/5/2024	Square	20.0	20.00	55.5	55.6	-0.01	0%	56.9	55.6	0.10	2%	57.3	55.6	0.13	3%
											Average	55.5	55.6	-0.01	0%	56.2	55.6	0.05	1%	56.5	55.6	0.07	2%

psPD Avg (W/m²) over 4cm² 56.1

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Client

UL

Research Triangle Park, USA

CALIBRATION CE	RTIFICATE								
Object	5G Verification Source 10 GHz - SN: 1040								
Calibration procedure(s)	QA CAL-45.v5 Calibration procedure for sources in air above 6 GHz								
Calibration date:	February 13, 202	4							
This calibration certificate document The measurements and the uncertai All calibrations have been conducted Calibration Equipment used (M&TE	s the traceability to nation nties with confidence pr I in the closed laborator critical for calibration)	onal standards, which realize the physical units robability are given on the following pages and a y facility: environment temperature $(22 \pm 3)^{\circ}$ C a	of measurements (SI). are part of the certificate. and humidity < 70%.						
Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration						
Beference Probe FUmmWV3	SN: 9374	04-Dec-23 (No. FUmm-9374, Dec23)	Dec-24						
DAE4ip	SN: 1602	08-Nov-23 (No. DAE4ip-1602_Nov23)	Nov-24						
Secondary Standards	ID #	Check Date (in house)	Scheduled Check						
RF generator R&S SMF100A	SN: 101259	29-Nov-23 (in house check Nov-23)	In house check: Nov-24						
Network Analyzer Keysight E5063A	SN: MY54504221	31-Oct-19 (in house check Oct-22)	In house check: Oct-25						
	Name	Function	Signature						
Calibrated by:	Leif Klysner	Laboratory Technician	Seif Thomas						
Approved by:	Sven Kühn	Technical Manager	5.4						
			Issued: February 14, 2024						

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



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

Accreditation No.: SCS 0108

Certificate No. 5G-Veri10-1040_Feb24



Schweizerischer Kalibrierdienst Service suisse d'étalonnage

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Calibration is Performed According to the Following Standards

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

Methods Applied and Interpretation of Parameters

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

Calibrated Quantity

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

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

Measurement Conditions

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

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

Calibration Parameters, 10 GHz

Circular Averaging

Distance Horn	Prad	Max E-field	Uncertainty	Avg Powe	Uncertainty	
Aperture to	(mW)	(V/m)	(k = 2)	Avg (psPDn+, psPDtot+, psPDmod+)		(k = 2)
Measured Plane				(W/m²)		
				1 cm ²	4 cm ²	
10 mm	93.3	153	1.27 dB	59.7	55.7	1.28 dB

Distance Horn Aperture to Measured Plane	Prad ¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Power Density psPDn+, psPDtot+, psPDmod+ (W/m²)		Uncertainty (k = 2)
				1 cm ²	4 cm ²	
10 mm	93.3	153	1.27 dB	59.1, 59.8, 60.1	55.1, 55.8, 56.1	1.28 dB

Square Averaging

Distance Horn	Prad ¹	Max E-field	Uncertainty	Avg Power Density		Uncertainty
Aperture to	(mW)	(V/m)	(k = 2)	Avg (psPDn+, psPDtot+, psPDmod+)		(k = 2)
Measured Plane				(W/m²)		
				1 cm ²	4 cm ²	
10 mm	93.3	153	1.27 dB	59.7	55.6	1.28 dB
Distance Horn	Prad	Max E-field	Uncertainty	Power Density		Uncertainty
Aperture to	(mW)	(V/m)	(k = 2)	psPDn+, psPDtot+, psPDmod+		(k = 2)

Aperture to Measured Plane	(mW)	(V/m)	(k = 2)	psPDn+, psPDt (W	ot+, psPDmod+ /m²)	(k = 2)
				1 cm ²	4 cm ²	
10 mm	93.3	153	1.27 dB	59.1, 59.8, 60.1	55.0, 55.7, 56.0	1.28 dB

Max Power Density

Distance Horn	Prad	Max E-field	Uncertainty	Max Power Density	Uncertainty
Aperture to	(mW)	(V/m)	(k = 2)	Sn, Stot, Stot	(k = 2)
Measured Plane				(W/m²)	
10 mm	93.3	153	1.27 dB	60.5, 61.3, 61.6	1.28 dB

 $^{^1}$ Assessed ohmic and mismatch loss plus numerical offset: 0.30 dB

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters

Impedance, transformed to feed point	54.0 Ω + 0.7 jΩ
Return Loss	- 28.2 dB

Impedance Measurement Plot



Device under Test Properties				
Name, Manufacturer Dimensions [m	im]	IMEI	DUT Type	
5G Verification Source 10 GHz 100.0 x 100.0 x	× 172.0	SN: 1040		
Exposure Conditions				
Phantom Section Position, Test Distance [mm]	Band	Group,	Frequency [MHz], Channel Number	Conversion Factor
5G - 10.0 mm	Validation band	CW	10000.0, 10000	1.0
Hardware Setup Phantom Medium		Probe, Cal	ibration Date	DAE, Calibration Date
mmwave Phantom - 1002 Air		2023-12-0	4 4	2023-11-08
Scan Setup		Measure	ement Results	
	5G :	Scan		5G Scan
Sensor Surface [mm]		10.0 Date		2024-02-13, 07:15
MAIA	MAIA not	used Avg. Are	a [cm²]	1.00
		Avg. Typ	e	Circular Averaging
		psPDn+	[W/m ²]	59.1
		psPDtot-	F[W/m²]	59.8
		psPDmo	d+ [W/m²]	60.1
		Max(Sh)	[VV/m ²]	61.2
		Max(ISt	(1) [W/m ²]	61.6
		Emax (V/r	nl	153
		Power D	rift [dB]	0.04



Device under Test Pro Name, Manufacturer 5G Verification Source 10 G	p erties D Hz 1	Dimensions [mm] 100.0 x 100.0 x 17	2.0	IMEI SN: 104	10	DUT Type	
Exposure Conditions							
Phantom Section	Position, [mm]	Test Distance	Band	Grou	,qı	Frequency [MHz], Channel Number	Conversion Factor
5G -	10.0 mm		Validation band	CW		10000.0, 10000	1.0
Hardware Setup							
Phantom mmWave Phantom - 1002	r A	Medium Aîr			Probe, Calibration Data EUmmWV3 - SN9374_F 2023-12-04	e F1-55GHz,	DAE, Calibration Date DAE4ip Sn1602, 2023-11-08
Scan Setup					Measurement Res	sults	
			5G S	Scan			5G Scan
Sensor Surface [mm]				10.0	Date		2024-02-13, 07:15
MAIA			MAIA not u	used	Avg. Area [cm ²]		4.00
					Avg. Type		Circular Averaging
					psPDn+ [W/m ²]		55.1
					psPDtot+ [W/m ²]		55.8
					psPDmod+ [W/m ²]		56.1
					Max(Sn) [W/m ²]		60.5
					Max(Stot) [W/M ²]		b1.3
					V(ax(1)(0)) = V(m)		01.0
					Emax [V/III] Power Drift [dP]		0.04
					rower Drift [ub]		0.04



Device under Test Pro	perties					
Name, Manufacturer	Dimensions [mm	n]	IMEI		DUT Type	
5G Verification Source 10 G	Hz 100.0 x 100.0 x 1	172.0	SN: 104	0	ē.	
Exposure Conditions						
Phantom Section	Position, Test Distance [mm]	Band	Grou	ıp,	Frequency [MHz], Channel Number	Conversion Factor
5G -	10.0 mm	Validation band	CW		10000.0, 10000	1.0
Hardware Setup Phantom mmWave Phantom - 1002	Medium Air			Probe, Calibration Dat EUmmWV3 - SN9374_ 2023-12-04	e F1-55GHz,	DAE, Calibration Date DAE4ip Sn1602, 2023-11-08
Scan Setup				Measurement Res	sults	
		5G :	Scan			5G Scan
Sensor Surface [mm]			10.0	Date		2024-02-13, 07:15
MAIA		MAIA not	used	Avg. Area [cm ²]		1.00
				Avg. Type		Square Averaging
				psPDn+ [W/m ²]		59.1
				psPDtot+ [W/m ²]		59.8
				Max(Sn) [W/m ²]		60.5
				Max(Stot) [W/m ²]		61.3
				Max(Stot) [W/m ²]		61.6
				E _{max} [V/m]		153
				Power Drift [dB]		0.04



Device under Test Pro Name, Manufacturer	perties Dimensions [mm	1	IMEI		DUT Type	
5G Verification Source 10 G	Hz 100.0 x 100.0 x 1	.72.0	SN: 104	40		
Exposure Conditions						
Phantom Section	Position, Test Distance [mm]	Band	Gro	ир,	Frequency [MHz], Channel Number	Conversion Factor
5G -	10.0 mm	Validation band	CW		10000.0, 10000	1.0
Hardware Setup	Medium			Probe, Calibration Dat	te	DAE. Calibration Date
mmWave Phantom - 1002	Air			EUmmWV3 - SN9374_ 2023-12-04	F1-55GHz,	DAE4ip Sn1602, 2023-11-08
Scan Setup				Measurement Re	sults	
		5G 5	Scan			5G Scan
Sensor Surface [mm]			10.0	Date		2024-02-13, 07:15
MAIA		MAIA not u	used	Avg. Area [cm ²]		4.00
				Avg. Type		Square Averaging
				psPDn+ [W/m²]		55.0
				psPDt0t+[W/III ⁻]		55.7
				Max(Sn) [W/m ²]		60.5
				Max(Stot) [W/m ²]		61.3
				Max(Stot) [W/m ²]		61.6
				E _{max} [V/m]		153
				Power Drift [dB]		0.04

