

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	16006	13535
Channel Y	16225	13741
Channel Z	15826	15645

5. Input Offset Measurement

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

Input 10M Ω

	Average (μ V)	min. Offset (μ V)	max. Offset (μ V)	Std. Deviation (μ V)
Channel X	0.80	-0.07	3.26	0.52
Channel Y	-0.08	-1.78	1.81	0.51
Channel Z	1.05	-0.30	3.15	0.74

6. Input Offset Current

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

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
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	+6	+14
Supply (- Vcc)	-0.01	-8	-9



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Accreditation No.: **SCS 0108**

Client **Cerpass (Auden)**

Certificate No: **D6.5GHzV2-1078_Jun22**

CALIBRATION CERTIFICATE

Object **D6.5GHzV2 - SN:1078**

Calibration procedure(s) **QA CAL-22.v6**
Calibration Procedure for SAR Validation Sources between 3-10 GHz

Calibration date: **June 16, 2022**

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Power sensor R&S NRP33T	SN: 100967	01-Apr-22 (No. 217-03526)	Apr-23
Reference 20 dB Attenuator	SN: BH9394 (20k)	04-Apr-22 (No. 217-03527)	Apr-23
Mismatch combination	SN: 84224 / 360D	26-Apr-21 (No. 217-03353)	Apr-24
Reference Probe EX3DV4	SN: 7405	02-Jun-22 (No. EX3-7405_Jun22)	Jun-23
DAE4	SN: 908	24-Jun-21 (No. DAE4-908_Jun21)	Jun-22

Secondary Standards	ID #	Check Date (in house)	Scheduled Check
RF generator Anapico APSIN20G	SN: 827	18-Dec-18 (in house check Dec-21)	In house check: Dec-23
Network Analyzer Keysight E5063A	SN:MY54504221	31-Oct-19 (in house check Oct-19)	In house check: Oct-22

Calibrated by:	Name Leif Klysner	Function Laboratory Technician	Signature
Approved by:	Sven Kühn	Technical Manager	

Issued: June 16, 2022

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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:

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

Additional Documentation:

- b) DASY System Handbook

Methods Applied and Interpretation of Parameters:

- *Measurement Conditions:* Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- *Antenna Parameters with TSL:* The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- *Feed Point Impedance and Return Loss:* These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- *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 absorbed power density (APD):* The absorbed power density is evaluated according to Samaras T, Christ A, Kuster N, "Compliance assessment of the epithelial or absorbed power density above 6 GHz using SAR measurement systems", Bioelectromagnetics, 2021 (submitted). The additional evaluation uncertainty of 0.55 dB (rectangular distribution) is considered.

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	DASY6	V16.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	5 mm	with Spacer
Zoom Scan Resolution	dx, dy = 3.4 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	6500 MHz $\pm$ 1 MHz	

Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	34.5	6.07 mho/m
Measured Head TSL parameters	(22.0 $\pm$ 0.2) °C	33.3 $\pm$ 6 %	6.05 mho/m $\pm$ 6 %
Head TSL temperature change during test	< 0.5 °C	----	----

SAR result with Head TSL

SAR averaged over 1 cm³ (1 g) of Head TSL	Condition	
SAR measured	100 mW input power	29.5 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	293 W/kg $\pm$ 24.7 % (k=2)

SAR averaged over 8 cm³ (8 g) of Head TSL	Condition	
SAR measured	100 mW input power	6.66 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	66.0 W/kg $\pm$ 24.4 % (k=2)

SAR averaged over 10 cm³ (10 g) of Head TSL	condition	
SAR measured	100 mW input power	5.45 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	54.0 W/kg $\pm$ 24.4 % (k=2)

Appendix

Antenna Parameters with Head TSL

Impedance, transformed to feed point	45.6 Ω - 3.5 j Ω
Return Loss	- 24.6 dB

APD (Absorbed Power Density)

APD averaged over 1 cm ²	Condition	
APD measured	100 mW input power	292 W/m ²
APD measured	normalized to 1W	2920 W/m² $\pm$ 29.2 % (k=2)

APD averaged over 4 cm ²	condition	
APD measured	100 mW input power	133 W/m ²
APD measured	normalized to 1W	1330 W/m² $\pm$ 28.9 % (k=2)

*The reported APD values have been derived using psSAR8g.

General Antenna Parameters and Design

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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DASY6 Validation Report for Head TSL

Measurement Report for D6.5GHz-1078, UID 0 -, Channel 6500 (6500.0MHz)

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
D6.5GHz	16.0 x 6.0 x 300.0	SN: 1078	-

Exposure Conditions

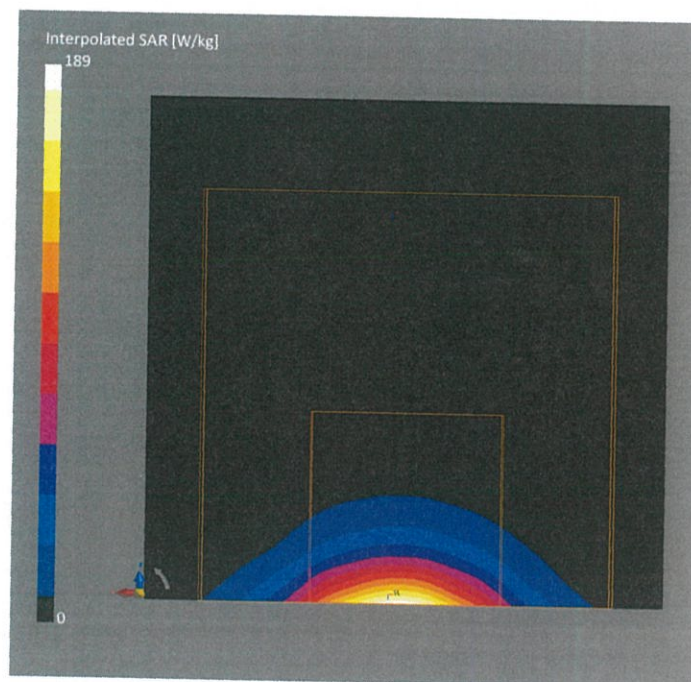
Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz]	Conversion Factor	TSL Cond. [S/m]	TSL Permittivity
Flat, HSL	5.00	Band	CW,	6500	5.50	6.05	33.3

Hardware Setup

Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
MFP V8.0 Center - 1182	HBBL600-10000V6	EX3DV4 - SN7405, 2022-06-02	DAE4 Sn908, 2021-06-24

Scan Setup

Zoom Scan		Measurement Results	
Grid Extents [mm]	22.0 x 22.0 x 22.0	Date	2022-06-16, 12:22
Grid Steps [mm]	3.4 x 3.4 x 1.4	psSAR1g [W/Kg]	29.5
Sensor Surface [mm]	1.4	psSAR8g [W/Kg]	6.66
Graded Grid	Yes	psSAR10g [W/Kg]	5.45
Grading Ratio	1.4	Power Drift [dB]	0.01
MAIA	N/A	Power Scaling	Disabled
Surface Detection	VMS + 6p	Scaling Factor [dB]	
Scan Method	Measured	TSL Correction	No correction
		M2/M1 [%]	54.8
		Dist 3dB Peak [mm]	4.8



Impedance Measurement Plot for Head TSL

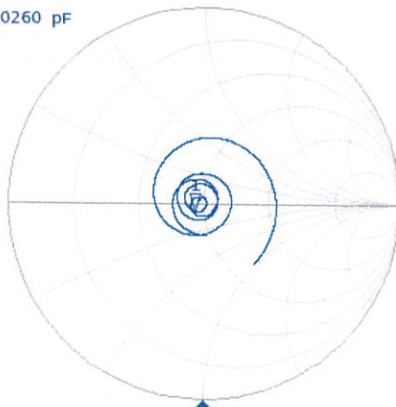
E5063A Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

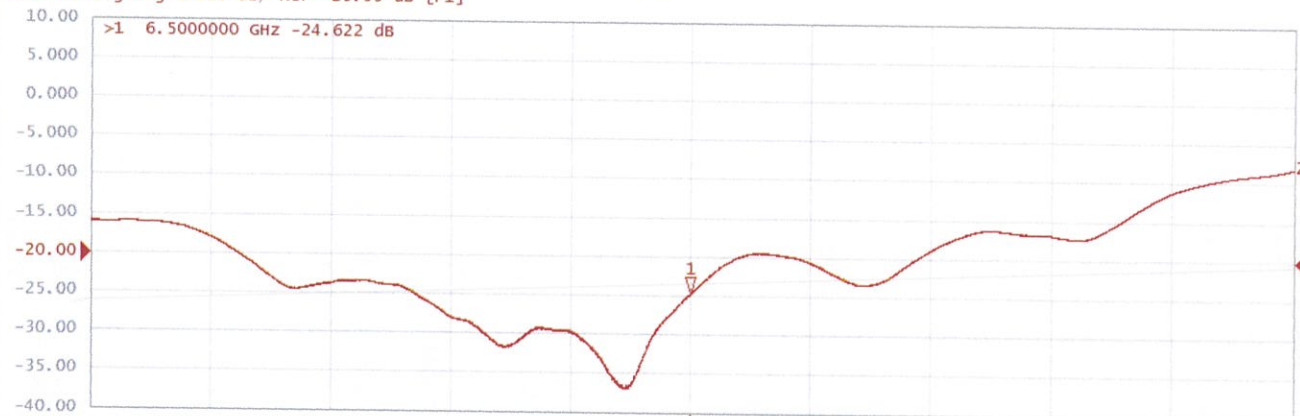
Tr1 S11 Smith (R+jX) Scale 1.000 U [F1]

>1 6.5000000 GHz 45.593 Ω -3.4849 Ω 7.0260 pF



Tr2 S11 Log Mag 5.000 dB/ Ref -20.00 dB [F1]

>1 6.5000000 GHz -24.622 dB



1 Center 6.5 GHz

IFBW 70 kHz

Span 2 GHz 10/10 Cor II

Meas Extra



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Client **Eurofins E&E Wireless Taiwan**

Certificate No: **5G-Veri10-2003_Feb23**

CALIBRATION CERTIFICATE

Object **5G Verification Source 10 GHz - SN: 2003**

Calibration procedure(s) **QA CAL-45.v4**
Calibration procedure for sources in air above 6 GHz

Calibration date: **February 15, 2023**

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID #	Cal Date (Certificate No.)	Scheduled Calibration
Reference Probe EUmmWV3 DAE4ip	SN: 9374	2023-01-03(No. EUmmWV3-9374_Jan23)	Jan-24
	SN: 1602	2022-06-27 (No. DAE4ip-1602_Jun22)	Jun-23
Secondary Standards	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 R&S NRP18S-10	SN: 101258	31-May-22 (in house check Nov-22)	In house check: Nov-23

Calibrated by:	Name Leif Klysner	Function Laboratory Technician
Approved by:	Sven Kühn	Technical Manager

Signature

Issued: March 6, 2023

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Accreditation No.: **SCS 0108**

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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 + $\lambda/4$) 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 + $\lambda/4$)	
Frequency	10 GHz $\pm$ 10 MHz	

Calibration Parameters, 10 GHz

Circular Averaging

Distance Horn Aperture to Measured Plane	Prad¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Avg Power Density Avg (psPDn+, psPDtot+, psPDmod+) (W/m ²)		Uncertainty (k = 2)
				1 cm ²	4 cm ²	
10 mm	132	294	1.27 dB	217	171	1.28 dB

Distance Horn Aperture to Measured Plane	Prad¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Power Density psPDn+, psPDtot+, psPDmod+ (W/m ²)		Uncertainty (k = 2)
				1 cm ²	4 cm ²	
10 mm	132	294	1.27 dB	216, 217, 218	169, 170, 175	1.28 dB

Square Averaging

Distance Horn Aperture to Measured Plane	Prad¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Avg Power Density Avg (psPDn+, psPDtot+, psPDmod+) (W/m ²)		Uncertainty (k = 2)
				1 cm ²	4 cm ²	
10 mm	132	294	1.27 dB	217	171	1.28 dB

Distance Horn Aperture to Measured Plane	Prad¹ (mW)	Max E-field (V/m)	Uncertainty (k = 2)	Power Density psPDn+, psPDtot+, psPDmod+ (W/m ²)		Uncertainty (k = 2)
				1 cm ²	4 cm ²	
10 mm	132	294	1.27 dB	216, 217, 218	169, 170, 174	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/m ²)	Uncertainty (k = 2)
10 mm	132	294	1.27 dB	236, 236, 236	1.28 dB

¹ Assessed ohmic and mismatch loss plus numerical offset: 0.7 dB

DASY Report

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

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 10 GHz	100.0 x 100.0 x 100.0	SN: 2003	-

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

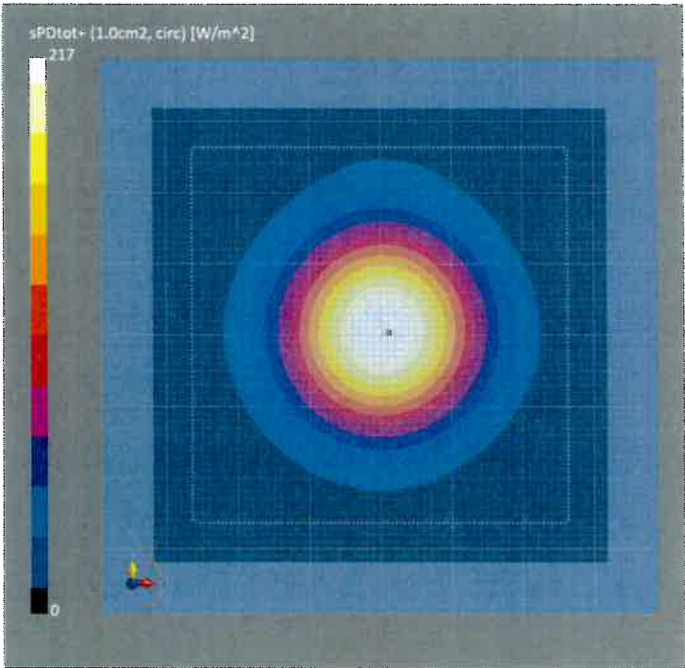
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-55GHz, 2023-01-03	DAE4ip Sn1602, 2022-06-27

Scan Setup

Sensor Surface [mm]	5G Scan
MAIA	10.0 MAIA not used

Measurement Results

	5G Scan
Date	2023-02-15, 17:13
Avg. Area [cm²]	1.00
Avg. Type	Circular Averaging
psPDn+ [W/m²]	216
psPDtot+ [W/m²]	217
psPDmod+ [W/m²]	218
Max(Sn) [W/m²]	236
Max(Stot) [W/m²]	236
Max(Stot) [W/m²]	236
E _{max} [V/m]	294
Power Drift [dB]	-0.02



DASY Report

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

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 10 GHz	100.0 x 100.0 x 100.0	SN: 2003	-

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

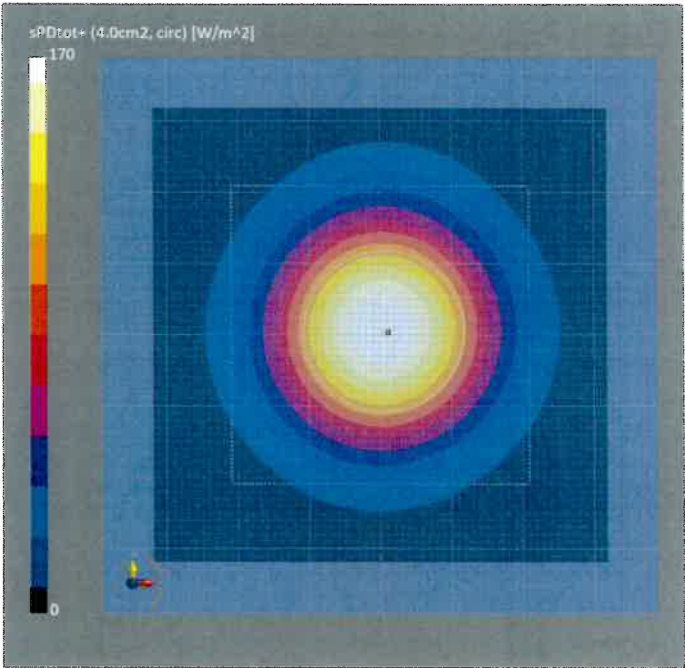
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-55GHz, 2023-01-03	DAE4ip Sn1602, 2022-06-27

Scan Setup

Sensor Surface [mm]	5G Scan
MAIA	10.0 MAIA not used

Measurement Results

	5G Scan
Date	2023-02-15, 17:13
Avg. Area [cm ²]	4.00
Avg. Type	Circular Averaging
psPDn+ [W/m ²]	169
psPDtot+ [W/m ²]	170
psPDmod+ [W/m ²]	175
Max(Sn) [W/m ²]	236
Max(Stot) [W/m ²]	236
Max(Stot) [W/m ²]	236
E _{max} [V/m]	294
Power Drift [dB]	-0.02



DASY Report

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

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 10 GHz	100.0 x 100.0 x 100.0	SN: 2003	-

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

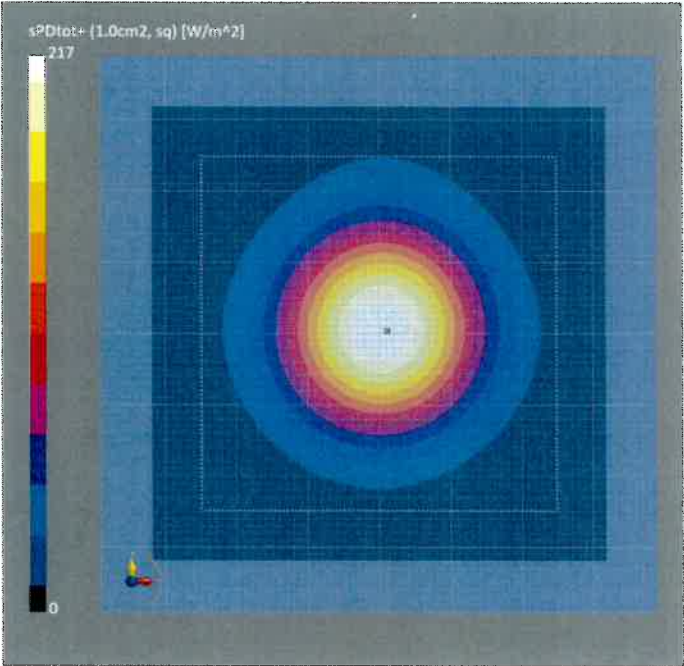
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-55GHz, 2023-01-03	DAE4ip Sn1602, 2022-06-27

Scan Setup

Sensor Surface [mm]	5G Scan
MAIA	10.0 MAIA not used

Measurement Results

Date	5G Scan
2023-02-15, 17:13	
Avg. Area [cm²]	1.00
Avg. Type	Square Averaging
psPDn+ [W/m²]	216
psPDtot+ [W/m²]	217
psPDmod+ [W/m²]	218
Max(Sn) [W/m²]	236
Max(Stot) [W/m²]	236
Max(Stot) [W/m²]	236
E _{max} [V/m]	294
Power Drift [dB]	-0.02



DASY Report

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

Device under Test Properties

Name, Manufacturer	Dimensions [mm]	IMEI	DUT Type
5G Verification Source 10 GHz	100.0 x 100.0 x 100.0	SN: 2003	-

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

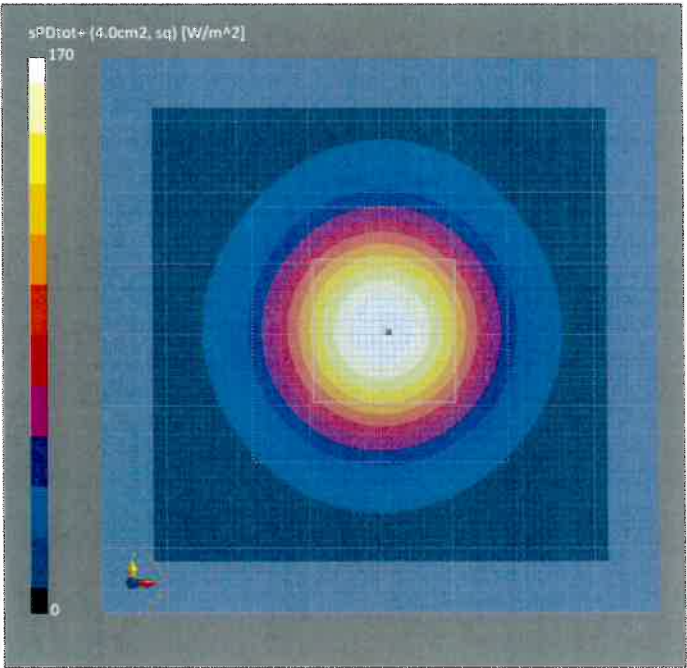
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave Phantom - 1002	Air	EUmmWV3 - SN9374_F1-55GHz, 2023-01-03	DAE4ip Sn1602, 2022-06-27

Scan Setup

Sensor Surface [mm]	5G Scan
MAIA	10.0 MAIA not used

Measurement Results

Date	5G Scan
2023-02-15, 17:13	
Avg. Area [cm²]	4.00
Avg. Type	Square Averaging
psPDn+ [W/m²]	169
psPDtot+ [W/m²]	170
psPDmod+ [W/m²]	174
Max(Sn) [W/m²]	236
Max(Stot) [W/m²]	236
Max(Stot) [W/m²]	236
E _{max} [V/m]	294
Power Drift [dB]	-0.02





Appendix B. System Performance Check

<CRIUS CO310-G1>/<CRIUS N310-G1>/<CRIUS N320-G1>

Tissue Calibration Result :

6.1.3

Frequency (MHz)	Liquid Temp	Measured Values (W/kg)		Target Values (W/kg)		Deviation[%]		Limit	Measured. Date
		σ	ϵ_r (e')	σ	ϵ_r (e')	1g	10g	%	
6000	21.6	5.52	34.3	5.48	35.07	0.73%	-2.20%	±5%	2023/11/28
6050	21.6	5.62	33.9	5.54	35.01	1.44%	-3.17%	±5%	2023/11/28
6100	21.6	5.68	34.2	5.59	34.95	1.61%	-2.15%	±5%	2023/11/28
6150	21.6	5.72	34.1	5.65	34.89	1.24%	-2.26%	±5%	2023/11/28
6200	21.6	5.8	33.7	5.71	34.83	1.58%	-3.24%	±5%	2023/11/28
6250	21.6	5.88	33.7	5.77	34.77	1.91%	-3.08%	±5%	2023/11/28
6300	21.6	5.92	33.8	5.83	34.7	1.54%	-2.59%	±5%	2023/11/28
6350	21.6	5.97	33.6	5.89	34.64	1.36%	-3.00%	±5%	2023/11/28
6400	21.6	6.06	33.3	5.98	34.58	1.34%	-3.70%	±5%	2023/11/28
6450	21.6	6.1	33.4	6.01	34.52	1.50%	-3.24%	±5%	2023/11/28
6500	21.6	6.14	33.5	6.07	34.46	1.15%	-2.79%	±5%	2023/11/28
6550	21.6	6.23	33.2	6.13	34.40	1.63%	-3.49%	±5%	2023/11/28
6600	21.6	6.29	33.1	6.19	34.34	1.62%	-3.61%	±5%	2023/11/28
6650	21.6	6.34	33.2	6.25	34.29	1.44%	-3.18%	±5%	2023/11/28
6700	21.6	6.4	33	6.30	34.23	1.59%	-3.59%	±5%	2023/11/28
6750	21.6	6.47	32.8	6.36	34.17	1.73%	-4.01%	±5%	2023/11/28
6800	21.6	6.52	32.8	6.42	34.11	1.56%	-3.84%	±5%	2023/11/28
6850	21.6	6.57	32.8	6.48	34.05	1.39%	-3.67%	±5%	2023/11/28
6900	21.6	6.64	32.6	6.53	33.99	1.68%	-4.09%	±5%	2023/11/28
6950	21.6	6.69	32.6	6.59	33.94	1.52%	-3.95%	±5%	2023/11/28
7000	21.6	6.74	32.6	6.65	33.88	1.35%	-3.78%	±5%	2023/11/28



Frequency (MHz)	Liquid Temp	Measured Values (W/kg)		Target Values (W/kg)		Deviation[%]		Limit	Measured. Date
		σ	ϵ (e')	σ	ϵ (e')	1g	10g	%	
6000	22.2	5.53	34.3	5.48	35.07	0.91%	-2.20%	±5%	2023/11/29
6050	22.2	5.62	34	5.54	35.01	1.44%	-2.88%	±5%	2023/11/29
6100	22.2	5.69	34.2	5.59	34.95	1.79%	-2.15%	±5%	2023/11/29
6150	22.2	5.73	34.2	5.65	34.89	1.42%	-1.98%	±5%	2023/11/29
6200	22.2	5.8	33.8	5.71	34.83	1.58%	-2.96%	±5%	2023/11/29
6250	22.2	5.88	33.7	5.77	34.77	1.91%	-3.08%	±5%	2023/11/29
6300	22.2	5.92	33.8	5.83	34.7	1.54%	-2.59%	±5%	2023/11/29
6350	22.2	5.97	33.7	5.89	34.64	1.36%	-2.71%	±5%	2023/11/29
6400	22.2	6.06	33.4	5.98	34.58	1.34%	-3.41%	±5%	2023/11/29
6450	22.2	6.11	33.5	6.01	34.52	1.66%	-2.95%	±5%	2023/11/29
6500	22.2	6.15	33.5	6.07	34.46	1.32%	-2.79%	±5%	2023/11/29
6550	22.2	6.23	33.2	6.13	34.40	1.63%	-3.49%	±5%	2023/11/29
6600	22.2	6.3	33.1	6.19	34.34	1.78%	-3.61%	±5%	2023/11/29
6650	22.2	6.34	33.2	6.25	34.29	1.44%	-3.18%	±5%	2023/11/29
6700	22.2	6.42	33	6.30	34.23	1.90%	-3.59%	±5%	2023/11/29
6750	22.2	6.48	32.8	6.36	34.17	1.89%	-4.01%	±5%	2023/11/29
6800	22.2	6.53	32.9	6.42	34.11	1.71%	-3.55%	±5%	2023/11/29
6850	22.2	6.59	32.8	6.48	34.05	1.70%	-3.67%	±5%	2023/11/29
6900	22.2	6.66	32.6	6.53	33.99	1.99%	-4.09%	±5%	2023/11/29
6950	22.2	6.7	32.6	6.59	33.94	1.67%	-3.95%	±5%	2023/11/29
7000	22.2	6.75	32.6	6.65	33.88	1.50%	-3.78%	±5%	2023/11/29

Frequency (MHz)	Liquid Temp	Measured Values (W/kg)		Target Values (W/kg)		Deviation[%]		Limit	Measured. Date
		σ	ϵ (e')	σ	ϵ (e')	1g	10g	%	
6000	21.7	5.55	34.3	5.48	35.07	1.28%	-2.20%	±5%	2023/11/30
6050	21.7	5.63	34	5.54	35.01	1.62%	-2.88%	±5%	2023/11/30
6100	21.7	5.7	34.2	5.59	34.95	1.97%	-2.15%	±5%	2023/11/30
6150	21.7	5.75	34.2	5.65	34.89	1.77%	-1.98%	±5%	2023/11/30
6200	21.7	5.82	33.8	5.71	34.83	1.93%	-2.96%	±5%	2023/11/30
6250	21.7	5.9	33.7	5.77	34.77	2.25%	-3.08%	±5%	2023/11/30
6300	21.7	5.95	33.8	5.83	34.7	2.06%	-2.59%	±5%	2023/11/30
6350	21.7	6	33.7	5.89	34.64	1.87%	-2.71%	±5%	2023/11/30
6400	21.7	6.08	33.4	5.98	34.58	1.67%	-3.41%	±5%	2023/11/30
6450	21.7	6.14	33.4	6.01	34.52	2.16%	-3.24%	±5%	2023/11/30
6500	21.7	6.18	33.5	6.07	34.46	1.81%	-2.79%	±5%	2023/11/30
6550	21.7	6.26	33.2	6.13	34.40	2.12%	-3.49%	±5%	2023/11/30
6600	21.7	6.32	33.1	6.19	34.34	2.10%	-3.61%	±5%	2023/11/30
6650	21.7	6.37	33.2	6.25	34.29	1.92%	-3.18%	±5%	2023/11/30
6700	21.7	6.44	33	6.30	34.23	2.22%	-3.59%	±5%	2023/11/30
6750	21.7	6.51	32.8	6.36	34.17	2.36%	-4.01%	±5%	2023/11/30
6800	21.7	6.56	32.9	6.42	34.11	2.18%	-3.55%	±5%	2023/11/30
6850	21.7	6.62	32.8	6.48	34.05	2.16%	-3.67%	±5%	2023/11/30
6900	21.7	6.68	32.6	6.53	33.99	2.30%	-4.09%	±5%	2023/11/30
6950	21.7	6.73	32.5	6.59	33.94	2.12%	-4.24%	±5%	2023/11/30
7000	21.7	6.79	32.6	6.65	33.88	2.11%	-3.78%	±5%	2023/11/30



Frequency (MHz)	Liquid Temp	Measured Values (W/kg)		Target Values (W/kg)		Deviation[%]		Limit	Measured. Date
		σ	ϵ_r (e')	σ	ϵ_r (e')	1g	10g	%	
6000	21.5	5.51	34.3	5.48	35.07	0.55%	-2.20%	±5%	2023/12/1
6050	21.5	5.61	34	5.54	35.01	1.26%	-2.88%	±5%	2023/12/1
6100	21.5	5.67	34.2	5.59	34.95	1.43%	-2.15%	±5%	2023/12/1
6150	21.5	5.71	34.1	5.65	34.89	1.06%	-2.26%	±5%	2023/12/1
6200	21.5	5.78	33.7	5.71	34.83	1.23%	-3.24%	±5%	2023/12/1
6250	21.5	5.87	33.7	5.77	34.77	1.73%	-3.08%	±5%	2023/12/1
6300	21.5	5.9	33.9	5.83	34.7	1.20%	-2.31%	±5%	2023/12/1
6350	21.5	5.96	33.7	5.89	34.64	1.19%	-2.71%	±5%	2023/12/1
6400	21.5	6.04	33.4	5.98	34.58	1.00%	-3.41%	±5%	2023/12/1
6450	21.5	6.09	33.5	6.01	34.52	1.33%	-2.95%	±5%	2023/12/1
6500	21.5	6.13	33.5	6.07	34.46	0.99%	-2.79%	±5%	2023/12/1
6550	21.5	6.21	33.2	6.13	34.40	1.31%	-3.49%	±5%	2023/12/1
6600	21.5	6.28	33.1	6.19	34.34	1.45%	-3.61%	±5%	2023/12/1
6650	21.5	6.32	33.2	6.25	34.29	1.12%	-3.18%	±5%	2023/12/1
6700	21.5	6.39	33.1	6.30	34.23	1.43%	-3.30%	±5%	2023/12/1
6750	21.5	6.46	32.8	6.36	34.17	1.57%	-4.01%	±5%	2023/12/1
6800	21.5	6.51	32.9	6.42	34.11	1.40%	-3.55%	±5%	2023/12/1
6850	21.5	6.56	32.9	6.48	34.05	1.23%	-3.38%	±5%	2023/12/1
6900	21.5	6.63	32.7	6.53	33.99	1.53%	-3.80%	±5%	2023/12/1
6950	21.5	6.68	32.6	6.59	33.94	1.37%	-3.95%	±5%	2023/12/1
7000	21.5	6.73	32.6	6.65	33.88	1.20%	-3.78%	±5%	2023/12/1

**Result of System Performance Check :****6.1.7**

Frequency (MHz)	Dipole S/N	Measured SAR Values (W/kg)		Target SAR Values (W/kg)		Deviation[%]		Limit	Measured. Date
		1g	10g	1g	10g	1g	10g	%	
6500	1078	30.2	5.68	29.5	5.45	2.37%	4.22%	±10%	2023/11/28
6500	1078	28.8	5.41	29.5	5.45	-2.37%	-0.73%	±10%	2023/11/29
6500	1078	29.4	5.52	29.5	5.45	-0.34%	1.28%	±10%	2023/11/30
6500	1078	28.6	5.37	29.5	5.45	-3.05%	-1.47%	±10%	2023/12/1

Frequency (MHz)	Dipole S/N	Measured APD(W/m ²)	Target APD(W/m ²)	Deviation(dB)	Limit(%)	Measured. Date
		4cm ²	4cm ²	4cm ²		
6500	1078	1380	1330	3.76%	±10%	2023/11/28
Frequency (MHz)	Dipole S/N	Measured APD(W/m ²)	Target APD(W/m ²)	Deviation(dB)	Limit(%)	Measured. Date
		4cm ²	4cm ²	4cm ²		
6500	1078	1320	1330	-0.75%	±10%	2023/11/29
Frequency (MHz)	Dipole S/N	Measured APD(W/m ²)	Target APD(W/m ²)	Deviation(dB)	Limit(%)	Measured. Date
		4cm ²	4cm ²	4cm ²		
6500	1078	1340	1330	0.75%	±10%	2023/11/30
Frequency (MHz)	Dipole S/N	Measured APD(W/m ²)	Target APD(W/m ²)	Deviation(dB)	Limit(%)	Measured. Date
		4cm ²	4cm ²	4cm ²		
6500	1078	1310	1330	-1.50%	±10%	2023/12/1



Power Density Verification Summary

7.3.1

Frequency (MHz)	5G Verification Source	Measured Avg(W/m ²)		Target Avg(W/m ²)		Deviation(dB)		Limit(dB)	Measured. Date
		avg(PDn+Pdtot+PDmod)		avg(PDn+Pdtot+PDmod)					
		1cm ²	4cm ²	1cm ²	4cm ²	1cm ²	4cm ²		
10G	2003	/	168.3	/	171	/	0.07	±0.66	2023/12/5



System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.14	33.5
HSL			0--	0			

Hardware Setup

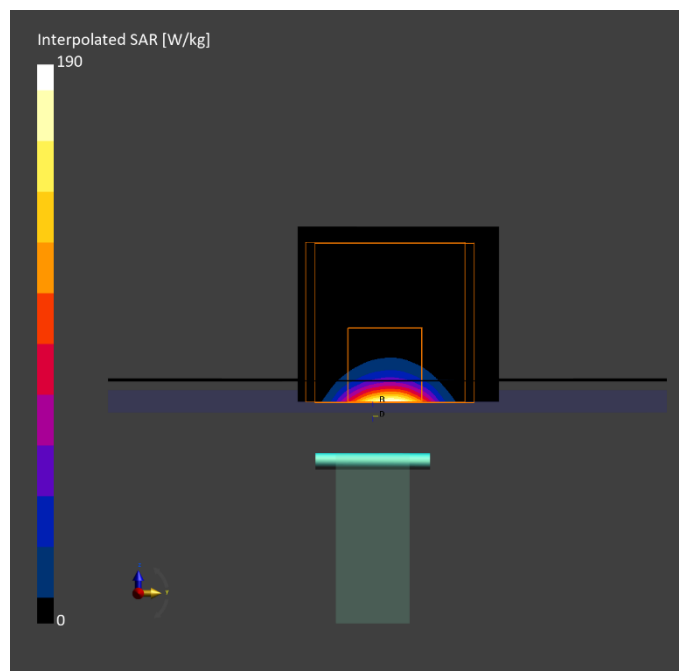
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-28	2023-11-28
psSAR1g [W/Kg]	27.1	30.2
psSAR10g [W/Kg]	5.48	5.68
Power Drift [dB]	0.04	-0.08
TSL Correction	No correction	No correction





System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.15	33.5
HSL			0--	0			

Hardware Setup

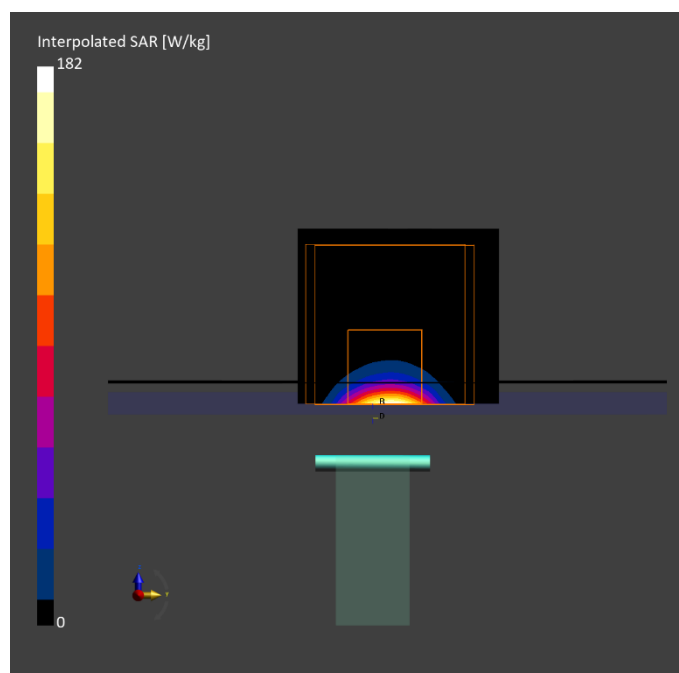
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-29	2023-11-29
psSAR1g [W/Kg]	25.2	28.8
psSAR10g [W/Kg]	5.12	5.41
Power Drift [dB]	-0.02	-0.03
TSL Correction	No correction	No correction





System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.18	33.5
HSL			0--	0			

Hardware Setup

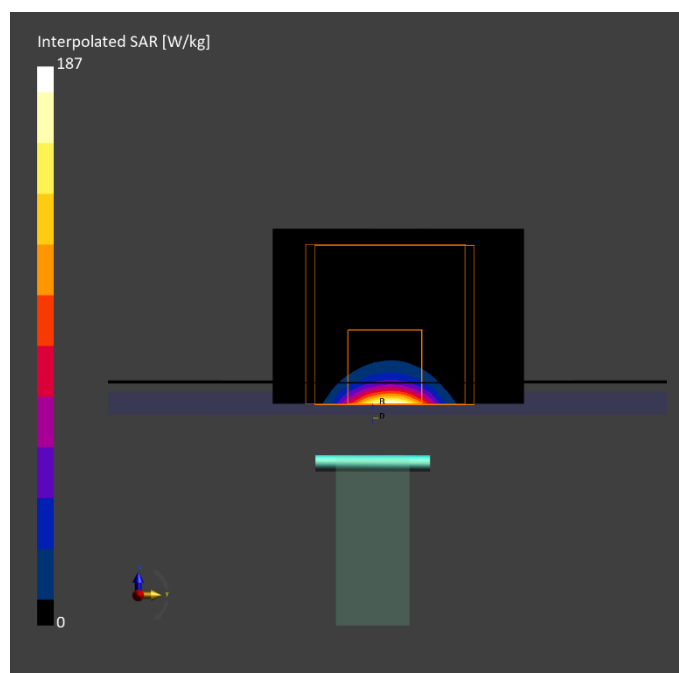
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-30	2023-11-30
psSAR1g [W/Kg]	25.4	29.4
psSAR10g [W/Kg]	5.16	5.52
Power Drift [dB]	0.01	-0.08
TSL Correction	No correction	No correction





System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.13	33.5
HSL			0--	0			

Hardware Setup

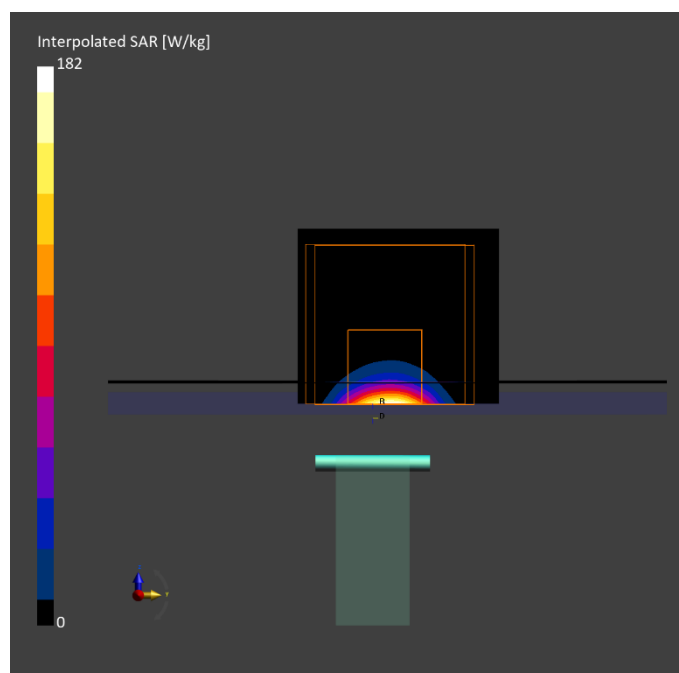
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-12-01	2023-12-01
psSAR1g [W/Kg]	25.2	28.6
psSAR10g [W/Kg]	5.11	5.37
Power Drift [dB]	0.05	-0.05
TSL Correction	No correction	No correction





System Performance Check Report

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	100.0 x 100.0 x 100.0	SN:2003	

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW,	10000.0, 10000	1.0

Hardware Setup

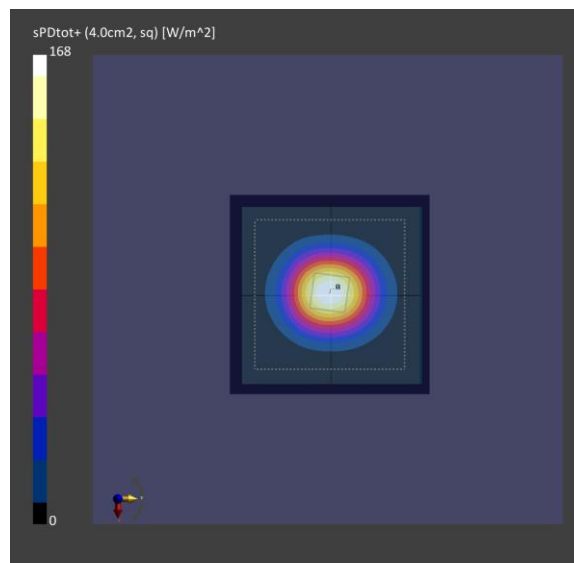
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	168
psPDtot+ [W/m ²]	168
psPDmod+ [W/m ²]	169
E _{max} [V/m]	267
Power Drift [dB]	-0.19





<CRIUS N310-G1>

Tissue Calibration Result :

6.1.3

Frequency (MHz)	Liquid Temp	Measured Values (W/kg)		Target Values (W/kg)		Deviation[%]		Limit	Measured. Date
		σ	ϵ_r (e')	σ	ϵ_r (e')	1g	10g	%	
6500	21.6	6.14	33.5	6.07	34.5	1.15%	-2.90%	±5%	2023/11/28
6500	22.2	6.15	33.5	6.07	34.5	1.32%	-2.90%	±5%	2023/11/29
6500	21.7	6.18	33.5	6.07	34.5	1.81%	-2.90%	±5%	2023/11/30
6500	21.5	6.13	33.5	6.07	34.5	0.99%	-2.90%	±5%	2023/12/1

Result of System Performance Check :

6.1.7

Frequency (MHz)	Dipole S/N	Measured SAR Values (W/kg)		Target SAR Values (W/kg)		Deviation[%]		Limit	Measured. Date
		1g	10g	1g	10g	1g	10g	%	
6500	1078	30.2	5.68	29.5	5.45	2.37%	4.22%	±10%	2023/11/28
6500	1078	28.8	5.41	29.5	5.45	-2.37%	-0.73%	±10%	2023/11/29
6500	1078	29.4	5.52	29.5	5.45	-0.34%	1.28%	±10%	2023/11/30
6500	1078	28.6	5.37	29.5	5.45	-3.05%	-1.47%	±10%	2023/12/1

Power Density Verification Summary

8.3.1

Frequency (MHz)	5G Verification Source	Measured Avg(W/m ²)		Target Avg(W/m ²)		Deviation(dB)		Limit(dB)	Measured. Date
		avg(PDn+Pdtot+PDmod)		avg(PDn+Pdtot+PDmod)					
		1cm ²	4cm ²	1cm ²	4cm ²	1cm ²	4cm ²		
10G	2003	/	171.3	/	171	/	-0.01	±0.66	2023/12/4



System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.14	33.5
HSL			0--	0			

Hardware Setup

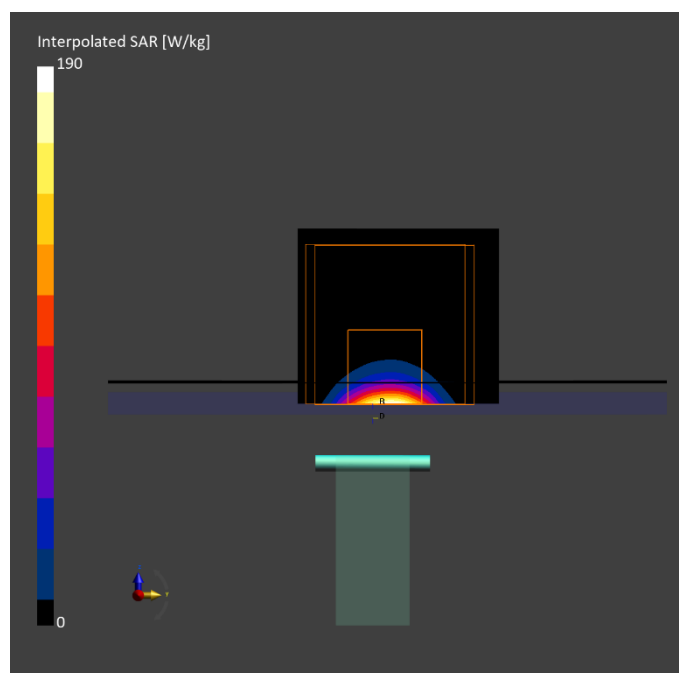
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-28	2023-11-28
psSAR1g [W/Kg]	27.1	30.2
psSAR10g [W/Kg]	5.48	5.68
Power Drift [dB]	0.04	-0.08
TSL Correction	No correction	No correction





System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.15	33.5
HSL			0--	0			

Hardware Setup

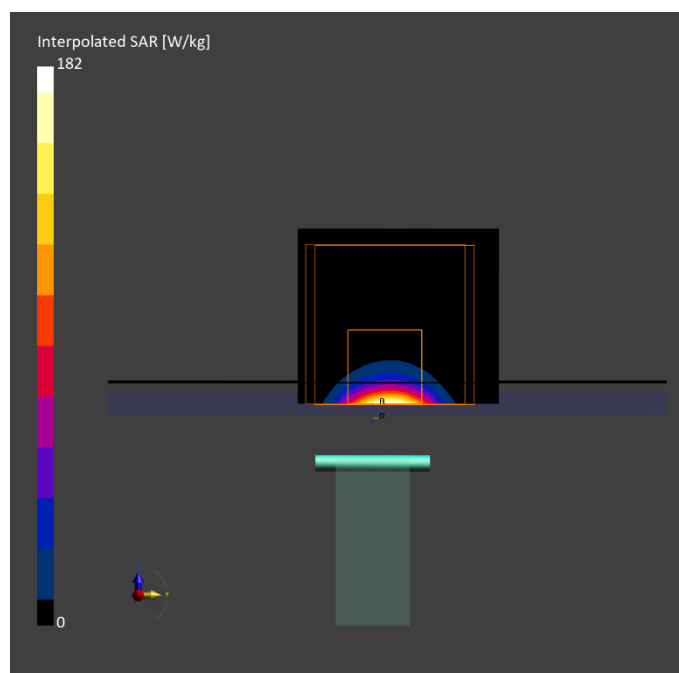
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-29	2023-11-29
psSAR1g [W/Kg]	25.2	28.8
psSAR10g [W/Kg]	5.12	5.41
Power Drift [dB]	-0.02	-0.03
TSL Correction	No correction	No correction





System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.18	33.5
HSL			0--	0			

Hardware Setup

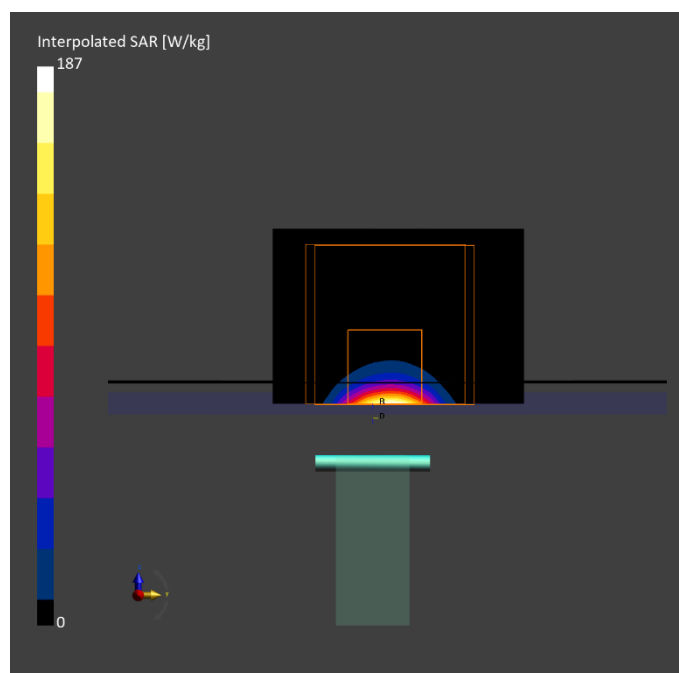
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-30	2023-11-30
psSAR1g [W/Kg]	25.4	29.4
psSAR10g [W/Kg]	5.16	5.52
Power Drift [dB]	0.01	-0.08
TSL Correction	No correction	No correction





System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.13	33.5
HSL			0--	0			

Hardware Setup

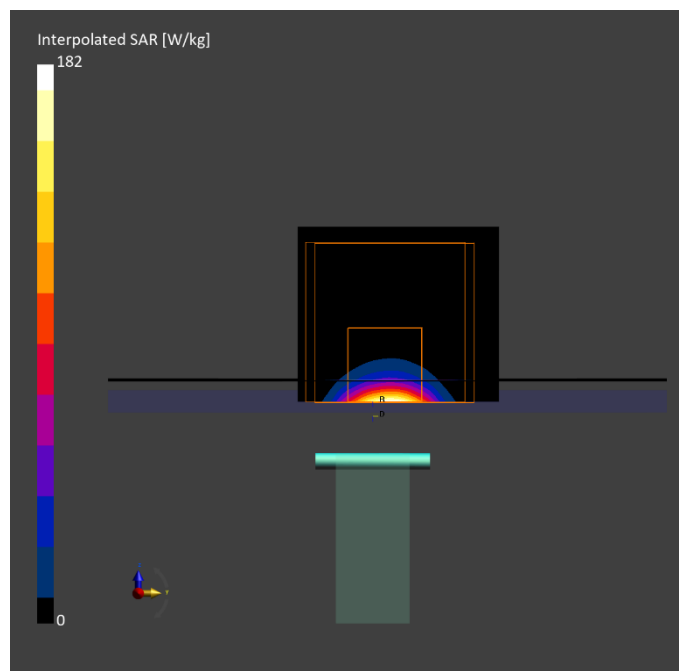
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-12-01	2023-12-01
psSAR1g [W/Kg]	25.2	28.6
psSAR10g [W/Kg]	5.11	5.37
Power Drift [dB]	0.05	-0.05
TSL Correction	No correction	No correction





System Performance Check Report

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	100.0 x 100.0 x 100.0	SN:2003	

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW,	10000.0, 10000	1.0

Hardware Setup

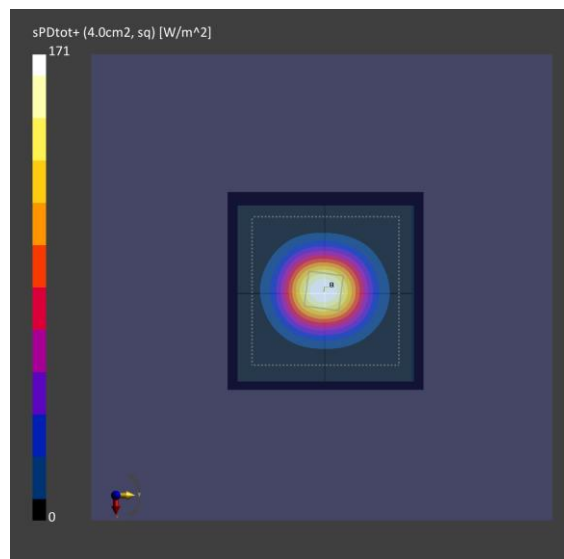
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	171
psPDtot+ [W/m ²]	171
psPDmod+ [W/m ²]	172
E _{max} [V/m]	268
Power Drift [dB]	0.04





<CRIUS N320-G1>

Tissue Calibration Result :

6.1.3

Frequency (MHz)	Liquid Temp	Measured Values (W/kg)		Target Values (W/kg)		Deviation[%]		Limit	Measured. Date
		σ	ϵ_r (e')	σ	ϵ_r (e')	1g	10g	%	
6500	21.6	6.14	33.5	6.07	34.5	1.15%	-2.90%	±5%	2023/11/28
6500	22.2	6.15	33.5	6.07	34.5	1.32%	-2.90%	±5%	2023/11/29
6500	21.7	6.18	33.5	6.07	34.5	1.81%	-2.90%	±5%	2023/11/30
6500	21.5	6.13	33.5	6.07	34.5	0.99%	-2.90%	±5%	2023/12/1

Result of System Performance Check :

6.1.7

Frequency (MHz)	Dipole S/N	Measured SAR Values (W/kg)		Target SAR Values (W/kg)		Deviation[%]		Limit	Measured. Date
		1g	10g	1g	10g	1g	10g	%	
6500	1078	30.2	5.68	29.5	5.45	2.37%	4.22%	±10%	2023/11/28
6500	1078	28.8	5.41	29.5	5.45	-2.37%	-0.73%	±10%	2023/11/29
6500	1078	29.4	5.52	29.5	5.45	-0.34%	1.28%	±10%	2023/11/30
6500	1078	28.6	5.37	29.5	5.45	-3.05%	-1.47%	±10%	2023/12/1

Power Density Verification Summary

8.3.1

Frequency (MHz)	5G Verification Source	Measured Avg(W/m ²)		Target Avg(W/m ²)		Deviation(dB)		Limit(dB)	Measured. Date
		avg(PDn+Pdtot+PDmod)		avg(PDn+Pdtot+PDmod)					
		1cm ²	4cm ²	1cm ²	4cm ²	1cm ²	4cm ²		
10G	2003	/	171.3	/	171	/	-0.01	±0.66	2023/12/4



System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.14	33.5
HSL			0--	0			

Hardware Setup

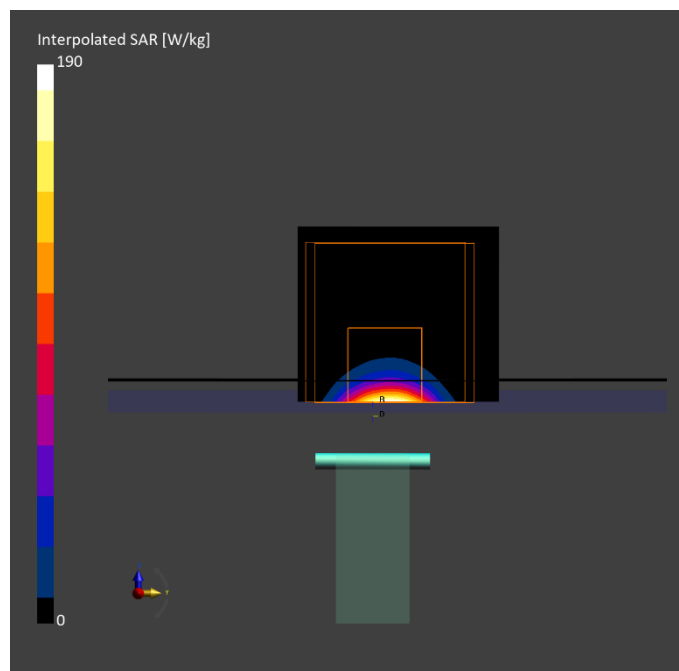
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-28	2023-11-28
psSAR1g [W/Kg]	27.1	30.2
psSAR10g [W/Kg]	5.48	5.68
Power Drift [dB]	0.04	-0.08
TSL Correction	No correction	No correction





System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.15	33.5
HSL			0--	0			

Hardware Setup

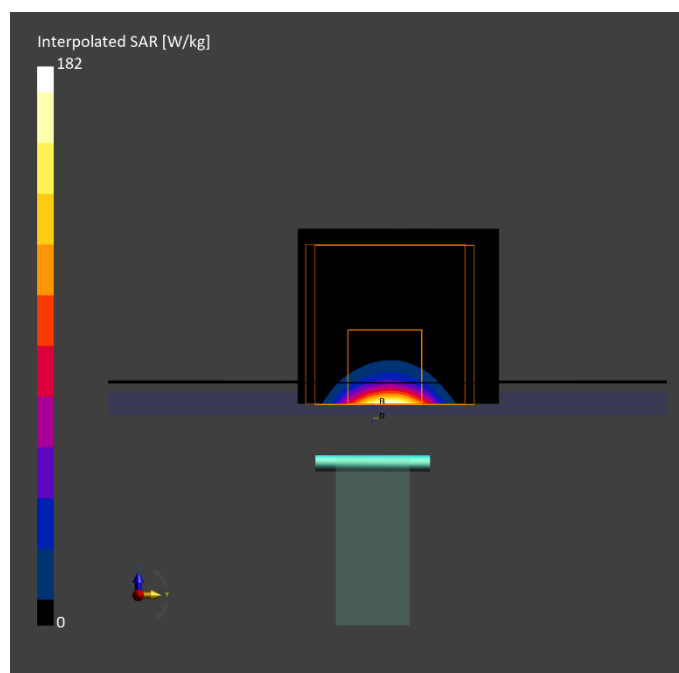
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-29	2023-11-29
psSAR1g [W/Kg]	25.2	28.8
psSAR10g [W/Kg]	5.12	5.41
Power Drift [dB]	-0.02	-0.03
TSL Correction	No correction	No correction





System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.18	33.5
HSL			0--	0			

Hardware Setup

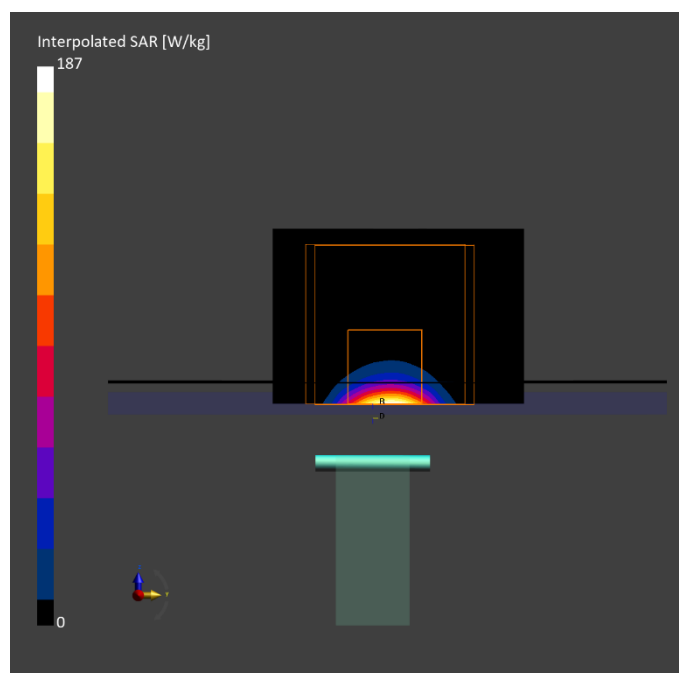
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-30	2023-11-30
psSAR1g [W/Kg]	25.4	29.4
psSAR10g [W/Kg]	5.16	5.52
Power Drift [dB]	0.01	-0.08
TSL Correction	No correction	No correction





System Performance Check Report

Summary

Dipole	Frequency [MHz]
D6.5GHzV2 - SN1078	6500.0

Exposure Conditions

Phantom	Test Distance	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	[mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	5		CW,	6500.000,	5.51	6.13	33.5
HSL			0--	0			

Hardware Setup

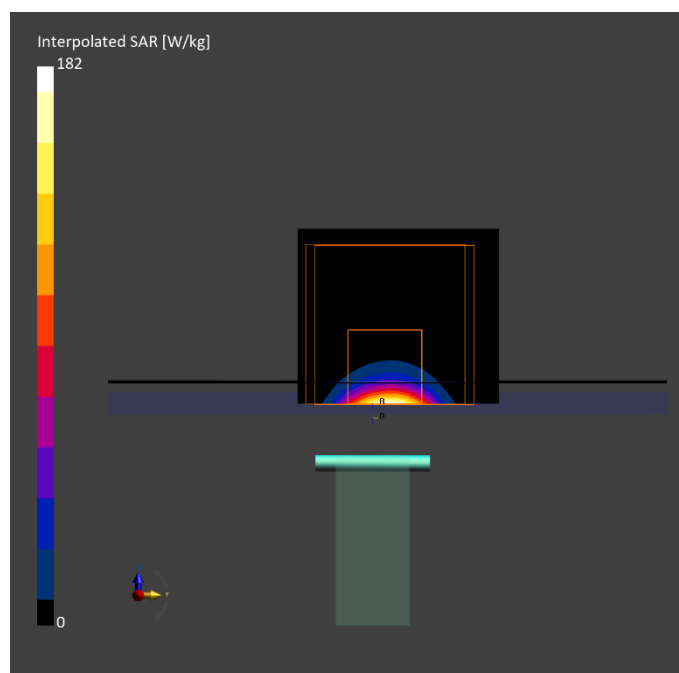
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-12-01	2023-12-01
psSAR1g [W/Kg]	25.2	28.6
psSAR10g [W/Kg]	5.11	5.37
Power Drift [dB]	0.05	-0.05
TSL Correction	No correction	No correction





System Performance Check Report

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	100.0 x 100.0 x 100.0	SN:2003	

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 10.00	Validation band	CW,	10000.0, 10000	1.0

Hardware Setup

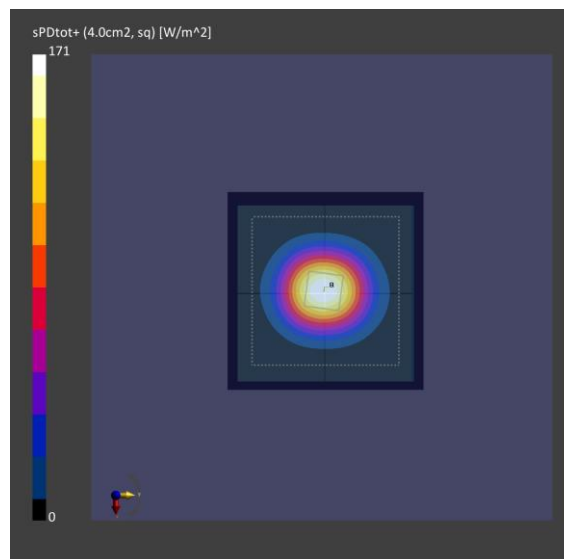
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	171
psPDtot+ [W/m ²]	171
psPDmod+ [W/m ²]	172
E _{max} [V/m]	268
Power Drift [dB]	0.04



**Appendix C. Measured Conducted Power****<CRIUS CO310-G1>****WLAN 6G:**

Frequency	Modulation	Channel	Data Rate	EIRP power			EIRP Target power		
				ANT A (MAIN)	ANT B (AUX)	Ant A+B	ANT A (MAIN)	ANT B (AUX)	Ant A+B
5955	11ax HE20	1	MCS0	8.42	9.59	10.30	8.5	10.0	10.5
6175	11ax HE20	45	MCS0	8.48	9.45	10.16	8.5	9.5	10.5
6415	11ax HE20	93	MCS0	8.34	9.44	9.96	8.5	9.5	10.0
5965	11ax HE40	3	MCS0	11.53	12.74	13.13	12.0	13.0	13.5
6165	11ax HE40	43	MCS0	11.49	12.58	13.08	11.5	13.0	13.5
6405	11ax HE40	91	MCS0	11.39	12.43	12.94	11.5	12.5	13.0
5985	11ax HE80	7	MCS0	14.27	15.51	15.37	14.5	16.0	15.5
6145	11ax HE80	39	MCS0	14.37	15.63	15.23	14.5	16.0	15.5
6385	11ax HE80	87	MCS0	14.32	15.48	15.35	14.5	15.5	15.5
6025	11ax HE160	15	MCS0	16.38	17.48	18.03	16.5	17.5	18.5
6185	11ax HE160	47	MCS0	16.34	17.43	18.05	16.5	17.5	18.5
6345	11ax HE160	79	MCS0	16.39	17.44	17.95	16.5	17.5	18.0
6435	11ax HE20	97	MCS0	6.90	7.75	8.31	7.0	8.0	8.5
6475	11ax HE20	105	MCS0	6.87	7.69	8.25	7.0	8.0	8.5
6515	11ax HE20	113	MCS0	6.83	7.73	8.25	7.0	8.0	8.5
6445	11ax HE40	99	MCS0	9.80	10.76	11.23	10.0	11.0	11.5
6485	11ax HE40	107	MCS0	9.85	10.68	11.21	10.0	11.0	11.5
6465	11ax HE80	103	MCS0	12.83	13.75	13.86	13.0	14.0	14.0
6535	11ax HE20	117	MCS0	7.10	9.34	9.73	7.5	9.5	10.0
6715	11ax HE20	153	MCS0	7.13	9.32	9.80	7.5	9.5	10.0
6855	11ax HE20	181	MCS0	7.09	9.37	10.07	7.5	9.5	10.5
6565	11ax HE40	123	MCS0	10.14	12.32	12.91	10.5	12.5	13.0
6725	11ax HE40	155	MCS0	10.15	12.38	12.82	10.5	12.5	13.0
6845	11ax HE40	179	MCS0	10.10	12.33	12.89	10.5	12.5	13.0
6625	11ax HE80	135	MCS0	13.14	15.38	15.36	13.5	15.5	15.5
6705	11ax HE80	151	MCS0	13.13	15.35	15.24	13.5	15.5	15.5
6785	11ax HE80	167	MCS0	13.08	15.33	14.98	13.5	15.5	15.0
6665	11ax HE160	143	MCS0	15.09	17.38	17.59	15.5	17.5	18.0
6895	11ax HE20	189	MCS0	6.61	8.58	9.17	7.0	9.0	9.5
7015	11ax HE20	213	MCS0	6.56	8.55	9.12	7.0	9.0	9.5
7095	11ax HE20	229	MCS0	6.53	8.57	9.12	7.0	9.0	9.5
7115	11ax HE20	233	MCS0	-2.63	4.42	2.85	0.0	4.5	3.0
6925	11ax HE40	195	MCS0	9.59	11.56	12.18	10.0	12.0	12.5
7005	11ax HE40	211	MCS0	9.57	11.57	12.09	10.0	12.0	12.5
7085	11ax HE40	227	MCS0	9.60	11.59	12.07	10.0	12.0	12.5
6945	11ax HE80	199	MCS0	12.54	14.56	15.10	13.0	15.0	15.5
7025	11ax HE80	215	MCS0	12.60	14.60	15.2	13.0	15.0	15.5
6985	11ax HE160	207	MCS0	14.54	16.59	17.2	15.0	17.0	17.5



Frequency	Modulation	Channel	Data Rate	EIRP power			EIRP Target power		
				ANT A (MAIN)	ANT B (AUX)	Ant A+B	ANT A (MAIN)	ANT B (AUX)	Ant A+B
Within 6425-6525MHz band & Extends across 6525MHz band									
6525	11ax HE40	115	MCS0	11.39	12.41	12.64	11.5	12.5	13.0
6545	11ax HE80	119	MCS0	14.35	15.45	14.85	14.5	15.5	15.0
6505	11ax HE160	111	MCS0	16.33	17.5	17.85	16.5	18.0	18.0
Within 6525-6875MHz band & Extends across 6875MHz band									
6875	11ax HE20	185	MCS0	6.57	8.57	9.18	7.0	9.0	9.5
6885	11ax HE40	187	MCS0	9.57	11.54	12.14	10.0	12.0	12.5
6865	11ax HE80	183	MCS0	12.36	14.55	14.76	12.5	15.0	15.0
6825	11ax HE160	175	MCS0	14.63	16.6	16.89	15.0	17.0	17.0



<CRIUS N310-G1>

WLAN 6G:

Frequency	Modulation	Channel	Data Rate	EIRP power			EIRP Target power		
				ANT A (MAIN)	ANT B (AUX)	Ant A+B	ANT A (MAIN)	ANT B (AUX)	Ant A+B
5955	11ax HE20	1	MCS0	9.50	7.92	10.19	10.0	8.0	10.5
6175	11ax HE20	45	MCS0	9.56	7.78	10.05	10.0	8.0	10.5
6415	11ax HE20	93	MCS0	9.42	7.77	9.85	9.5	8.0	10.0
5965	11ax HE40	3	MCS0	12.61	11.07	13.02	13.0	11.5	13.5
6165	11ax HE40	43	MCS0	12.57	10.91	12.97	13.0	11.0	13.0
6405	11ax HE40	91	MCS0	12.47	10.76	12.83	12.5	11.0	13.0
5985	11ax HE80	7	MCS0	15.35	13.84	15.26	15.5	14.0	15.5
6145	11ax HE80	39	MCS0	15.45	13.96	15.12	15.5	14.0	15.5
6385	11ax HE80	87	MCS0	15.40	13.81	15.24	15.5	14.0	15.5
6025	11ax HE160	15	MCS0	17.46	15.81	17.92	17.5	16.0	18.0
6185	11ax HE160	47	MCS0	17.42	15.76	17.94	17.5	16.0	18.0
6345	11ax HE160	79	MCS0	17.47	15.77	17.84	17.5	16.0	18.0
6435	11ax HE20	97	MCS0	9.24	7.89	9.70	9.5	8.0	10.0
6475	11ax HE20	105	MCS0	9.21	7.83	9.64	9.5	8.0	10.0
6515	11ax HE20	113	MCS0	9.17	7.87	9.64	9.5	8.0	10.0
6445	11ax HE40	99	MCS0	12.14	10.90	12.62	12.5	11.0	13.0
6485	11ax HE40	107	MCS0	12.19	10.82	12.60	12.5	11.0	13.0
6465	11ax HE80	103	MCS0	15.17	13.89	15.25	15.5	14.0	15.5
6535	11ax HE20	117	MCS0	10.11	8.39	10.42	10.5	8.5	10.5
6715	11ax HE20	153	MCS0	10.14	8.37	10.49	10.5	8.5	10.5
6855	11ax HE20	181	MCS0	10.10	8.42	10.76	10.5	8.5	11.0
6565	11ax HE40	123	MCS0	13.15	11.37	13.60	13.5	11.5	14.0
6725	11ax HE40	155	MCS0	13.16	11.43	13.51	13.5	11.5	14.0
6845	11ax HE40	179	MCS0	13.11	11.38	13.58	13.5	11.5	14.0
6625	11ax HE80	135	MCS0	16.15	14.43	16.05	16.5	14.5	16.5
6705	11ax HE80	151	MCS0	16.14	14.40	15.93	16.5	14.5	16.0
6785	11ax HE80	167	MCS0	16.09	14.38	15.67	16.5	14.5	16.0
6665	11ax HE160	143	MCS0	18.10	16.43	18.28	18.5	16.5	18.5
6895	11ax HE20	189	MCS0	8.06	7.82	8.56	8.5	8.0	9.0
7015	11ax HE20	213	MCS0	8.01	7.79	8.51	8.5	8.0	9.0
7095	11ax HE20	229	MCS0	7.98	7.81	8.51	8.0	8.0	9.0
7115	11ax HE20	233	MCS0	-1.18	3.66	2.24	0.0	4.0	2.5
6925	11ax HE40	195	MCS0	11.04	10.80	11.57	11.5	11.0	12.0
7005	11ax HE40	211	MCS0	11.02	10.81	11.48	11.5	11.0	11.5
7085	11ax HE40	227	MCS0	11.05	10.83	11.46	11.5	11.0	11.5
6945	11ax HE80	199	MCS0	13.99	13.80	14.49	14.0	14.0	14.5
7025	11ax HE80	215	MCS0	14.05	13.84	14.6	14.5	14.0	15.0
6985	11ax HE160	207	MCS0	15.99	15.83	16.6	16.0	16.0	17.0



Frequency	Modulation	Channel	Data Rate	EIRP power			EIRP Target power		
				ANT A (MAIN)	ANT B (AUX)	Ant A+B	ANT A (MAIN)	ANT B (AUX)	Ant A+B
Within 6425-6525MHz band & Extends across 6525MHz band									
6525	11ax HE40	115	MCS0	12.47	10.81	12.53	12.5	11.0	13.0
6545	11ax HE80	119	MCS0	15.43	13.85	14.74	15.5	14.0	15.0
6505	11ax HE160	111	MCS0	17.41	15.9	17.74	17.5	16.0	18.0
Within 6525-6875MHz band & Extends across 6875MHz band									
6875	11ax HE20	185	MCS0	8.02	7.81	8.57	8.5	8.0	9.0
6885	11ax HE40	187	MCS0	11.02	10.78	11.53	11.5	11.0	12.0
6865	11ax HE80	183	MCS0	13.81	13.79	14.15	14.0	14.0	14.5
6825	11ax HE160	175	MCS0	16.08	15.84	16.28	16.5	16.0	16.5



<CRIUS N320-G1>

WLAN 6G:

Frequency	Modulation	Channel	Data Rate	EIRP power			EIRP Target power		
				ANT A (MAIN)	ANT B (AUX)	Ant A+B	ANT A (MAIN)	ANT B (AUX)	Ant A+B
5955	11ax HE20	1	MCS0	8.31	6.80	9.00	8.5	7.0	9.5
6175	11ax HE20	45	MCS0	8.37	6.66	8.86	8.5	7.0	9.0
6415	11ax HE20	93	MCS0	8.23	6.65	8.66	8.5	7.0	9.0
5965	11ax HE40	3	MCS0	11.42	9.95	11.83	11.5	10.0	12.0
6165	11ax HE40	43	MCS0	11.38	9.79	11.78	11.5	10.0	12.0
6405	11ax HE40	91	MCS0	11.28	9.64	11.64	11.5	10.0	12.0
5985	11ax HE80	7	MCS0	14.16	12.72	14.07	14.5	13.0	14.5
6145	11ax HE80	39	MCS0	14.26	12.84	13.93	14.5	13.0	14.0
6385	11ax HE80	87	MCS0	14.21	12.69	14.05	14.5	13.0	14.5
6025	11ax HE160	15	MCS0	16.27	14.64	16.73	16.5	15.0	17.0
6185	11ax HE160	47	MCS0	16.23	14.64	16.75	16.5	15.0	17.0
6345	11ax HE160	79	MCS0	16.28	14.65	16.65	16.5	15.0	17.0
6435	11ax HE20	97	MCS0	8.26	6.37	8.72	8.5	6.5	9.0
6475	11ax HE20	105	MCS0	8.23	6.31	8.66	8.5	6.5	9.0
6515	11ax HE20	113	MCS0	8.19	6.35	8.66	8.5	6.5	9.0
6445	11ax HE40	99	MCS0	11.16	9.38	11.64	11.5	9.5	12.0
6485	11ax HE40	107	MCS0	11.21	9.30	11.62	11.5	9.5	12.0
6465	11ax HE80	103	MCS0	14.19	12.37	14.27	14.5	12.5	14.5
6535	11ax HE20	117	MCS0	8.43	6.93	8.74	8.5	7.0	9.0
6715	11ax HE20	153	MCS0	8.46	6.91	8.81	8.5	7.0	9.0
6855	11ax HE20	181	MCS0	8.42	6.96	9.08	8.5	7.0	9.5
6565	11ax HE40	123	MCS0	11.47	9.91	11.92	11.5	10.0	12.0
6725	11ax HE40	155	MCS0	11.48	9.97	11.83	11.5	10.0	12.0
6845	11ax HE40	179	MCS0	11.43	9.92	11.90	11.5	10.0	12.0
6625	11ax HE80	135	MCS0	14.47	12.97	14.37	14.5	13.0	14.5
6705	11ax HE80	151	MCS0	14.46	12.94	14.25	14.5	13.0	14.5
6785	11ax HE80	167	MCS0	14.41	12.92	13.99	14.5	13.0	14.0
6665	11ax HE160	143	MCS0	12.82	14.08	14.29	13.0	14.5	14.5
6895	11ax HE20	189	MCS0	8.69	6.56	9.19	9.0	7.0	9.5
7015	11ax HE20	213	MCS0	8.64	6.53	9.14	9.0	7.0	9.5
7095	11ax HE20	229	MCS0	8.61	6.55	9.14	9.0	7.0	9.5
7115	11ax HE20	233	MCS0	-0.55	2.40	2.87	0.0	2.5	3.0
6925	11ax HE40	195	MCS0	11.67	9.54	12.20	12.0	10.0	12.5
7005	11ax HE40	211	MCS0	11.65	9.55	12.11	12.0	10.0	12.5
7085	11ax HE40	227	MCS0	11.68	9.57	12.09	12.0	10.0	12.5
6945	11ax HE80	199	MCS0	14.62	12.54	15.12	15.0	13.0	15.5
7025	11ax HE80	215	MCS0	14.68	12.58	15.2	15.0	13.0	15.5
6985	11ax HE160	207	MCS0	11.74	12.71	14.4	12.0	13.0	14.5



Frequency	Modulation	Channel	Data Rate	EIRP power			EIRP Target power		
				ANT A (MAIN)	ANT B (AUX)	Ant A+B	ANT A (MAIN)	ANT B (AUX)	Ant A+B
Within 6425-6525MHz band & Extends across 6525MHz band									
6525	11ax HE40	115	MCS0	11.28	9.62	11.34	11.5	10.0	11.5
6545	11ax HE80	119	MCS0	14.24	12.66	13.55	14.5	13.0	14.0
6505	11ax HE160	111	MCS0	16.22	14.85	16.55	16.5	15.0	17.0
Within 6525-6875MHz band & Extends across 6875MHz band									
6875	11ax HE20	185	MCS0	8.65	6.55	9.2	9.0	7.0	9.5
6885	11ax HE40	187	MCS0	11.65	9.52	12.16	12.0	10.0	12.5
6865	11ax HE80	183	MCS0	14.44	12.53	14.78	14.5	13.0	15.0
6825	11ax HE160	175	MCS0	12.79	13.61	14.45	13.0	14.0	14.5



Appendix D. SAR Measurement Data

<CRIUS CO310-G1>

6G

Plot.No	Band	Mode	Channel	Frequency (MHz)	Test Position	Gap (mm)	Antenna	EIRP Power (dBm)	Tune-up (dBm)	Duty Cycle (%)	SAR 1g (W/Kg)	Reported SAR 1g (W/Kg)	APD w/m ² (4cm ²)	Reported APD w/m ² (4cm ²)
1	WLAN 6GHz	802.11ax HE160	79	6345	Bottom of Laptop	0	Main	16.39	16.5	99	0.039	0.04	0.208	0.22
	WLAN 6GHz	802.11ax HE160	47	6185	Bottom of Laptop	0	Main	16.34	16.5	99	0.056	0.06	0.342	0.36
	WLAN 6GHz	802.11ax HE160	15	6025	Bottom of Laptop	0	Main	16.38	16.5	99	0.021	0.02	0.118	0.12
2	WLAN 6GHz	802.11ax HE160	111	6505	Bottom of Laptop	0	Main	16.33	16.5	99	0.046	0.05	0.253	0.27
	WLAN 6GHz	802.11ax HE80	103	6465	Bottom of Laptop	0	Main	12.83	13	99	0.033	0.04	0.164	0.17
	WLAN 6GHz	802.11ax HE160	175	6825	Bottom of Laptop	0	Main	14.63	15	99	0.043	0.05	0.257	0.28
3	WLAN 6GHz	802.11ax HE160	143	6665	Bottom of Laptop	0	Main	15.09	15.5	99	0.043	0.05	0.253	0.28
	WLAN 6GHz	802.11ax HE160	207	6985	Bottom of Laptop	0	Main	14.54	15	99	0.028	0.03	0.157	0.18
	WLAN 6GHz	802.11ax HE80	199	6945	Bottom of Laptop	0	Main	12.54	13	99	0.015	0.02	0.076	0.09
4	WLAN 6GHz	802.11ax HE80	215	7025	Bottom of Laptop	0	Main	12.60	13	99	0.012	0.01	0.056	0.06
	WLAN 6GHz	802.11ax HE160	79	6345	Bottom of Laptop	0	Aux	17.44	17.5	99	0.016	0.02	0.123	0.13
	WLAN 6GHz	802.11ax HE160	47	6185	Bottom of Laptop	0	Aux	17.43	17.5	99	0.018	0.02	0.131	0.13
5	WLAN 6GHz	802.11ax HE160	15	6025	Bottom of Laptop	0	Aux	17.48	17.5	99	0.017	0.02	0.126	0.13
	WLAN 6GHz	802.11ax HE160	111	6505	Bottom of Laptop	0	Aux	17.50	18	99	0.025	0.03	0.19	0.22
	WLAN 6GHz	802.11ax HE80	103	6465	Bottom of Laptop	0	Aux	13.75	14	99	0.012	0.01	0.074	0.08
6	WLAN 6GHz	802.11ax HE160	175	6825	Bottom of Laptop	0	Aux	16.60	17	99	0.012	0.01	0.083	0.09
	WLAN 6GHz	802.11ax HE160	143	6665	Bottom of Laptop	0	Aux	17.38	17.5	99	0.017	0.02	0.095	0.10
	WLAN 6GHz	802.11ax HE160	207	6985	Bottom of Laptop	0	Aux	16.59	17	99	0.015	0.02	0.115	0.13
7	WLAN 6GHz	802.11ax HE80	199	6945	Bottom of Laptop	0	Aux	14.56	15	99	0.011	0.01	0.051	0.06
	WLAN 6GHz	802.11ax HE80	215	7025	Bottom of Laptop	0	Aux	14.60	15	99	0.011	0.01	0.067	0.07
	WLAN 6GHz	802.11ax HE80	215	7025	Bottom of Laptop	0	Aux	14.60	15	99	0.011	0.01	0.067	0.07



Plot.No	Band	Mode	Channel	Frequency (MHz)	Test Position	Gap (mm)	Antenna	EIRP Power (dBm)	Tune-up (dBm)	Duty Cycle (%)	SAR 1g (W/Kg)	Reported SAR 1g (W/Kg)	APD w/m^2 (4cm^2)	Reported APD w/m^2 (4cm^2)	Grid Step [A]	PDn	Scaling Factor for Measurement Uncertainty	Total psPD w/m^2 (4cm^2)	Scaled Total psPD w/m^2 (4cm^2)
	WLAN 6GHz	802.11ax HE160	79	6345	Bottom of Laptop	0	Main	16.39	16.5	99	0.039	0.04	0.208	0.22	0.0625	0.625	1.55	0.309	0.50
9	WLAN 6GHz	802.11ax HE160	47	6185	Bottom of Laptop	0	Main	16.34	16.5	99	0.056	0.06	0.342	0.36	0.0625	1.14	1.55	0.462	0.75
10	WLAN 6GHz	802.11ax HE160	111	6505	Bottom of Laptop	0	Main	16.33	16.5	99	0.046	0.05	0.253	0.27	0.0625	1.15	1.55	0.301	0.49
11	WLAN 6GHz	802.11ax HE160	175	6825	Bottom of Laptop	0	Main	14.63	15	99	0.043	0.05	0.257	0.28	0.0625	0.296	1.55	0.108	0.18
12	WLAN 6GHz	802.11ax HE160	207	6985	Bottom of Laptop	0	Main	14.54	15	99	0.028	0.03	0.157	0.18	0.0625	0.157	1.55	0.074	0.13



01_WLAN 6 GHz_802.11AX160_CH47_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-5	WLAN,	6185.000,	5.51	5.77	33.8
HSL	0.00		10755-AAC	47			

Hardware Setup

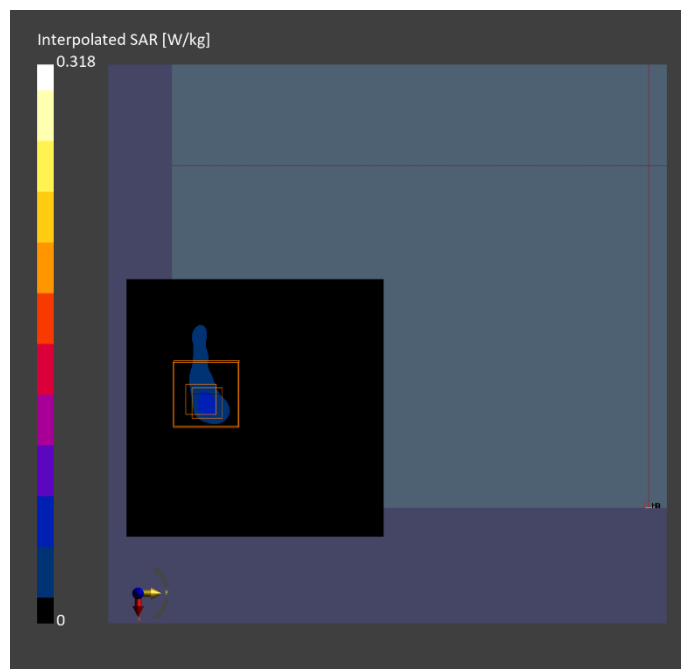
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-28	2023-11-28
psSAR1g [W/kg]	0.042	0.056
psSAR10g [W/kg]	0.009	0.015
Power Drift [dB]	N/A	12.13
M2/M1 [%]		53.5
Dist 3dB Peak [mm]		3.7





02_WLAN 6 GHz_802.11AX160_CH111_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-6	WLAN,	6505.000,	5.51	6.16	33.5
HSL	0.00		10755-AAC	111			

Hardware Setup

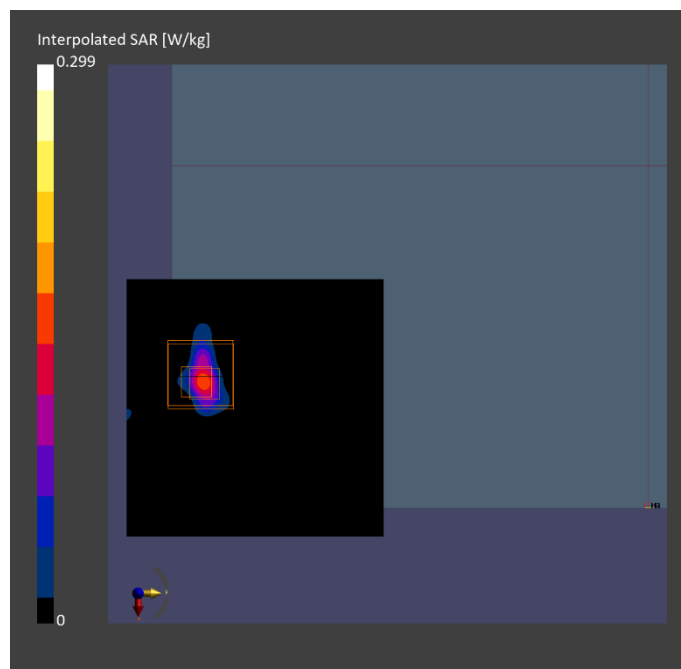
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-29	2023-11-29
psSAR1g [W/kg]	0.034	0.046
psSAR10g [W/kg]	0.006	0.011
Power Drift [dB]	1.90	-3.53
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		3.4





03_WLAN 6 GHz_802.11AX160_CH143_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-7	WLAN,	6665.000,	5.51	6.39	33.2
HSL	0.00		10755-AAC	143			

Hardware Setup

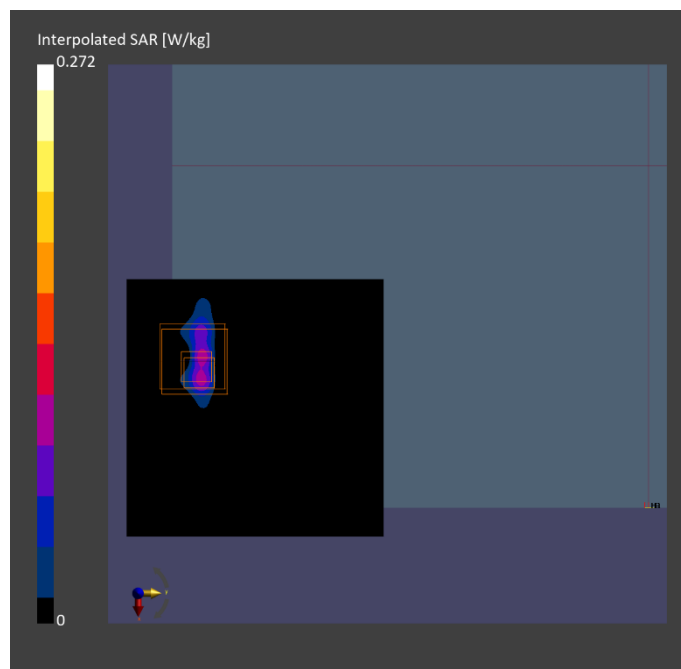
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-30	2023-11-30
psSAR1g [W/kg]	0.022	0.043
psSAR10g [W/kg]	0.004	0.011
Power Drift [dB]	0.19	5.52
M2/M1 [%]		48.3
Dist 3dB Peak [mm]		3.4





04_WLAN 6 GHz_802.11AX160_CH207_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-8	WLAN,	6985.000,	5.51	6.71	32.6
HSL	0.00		10755-AAC	207			

Hardware Setup

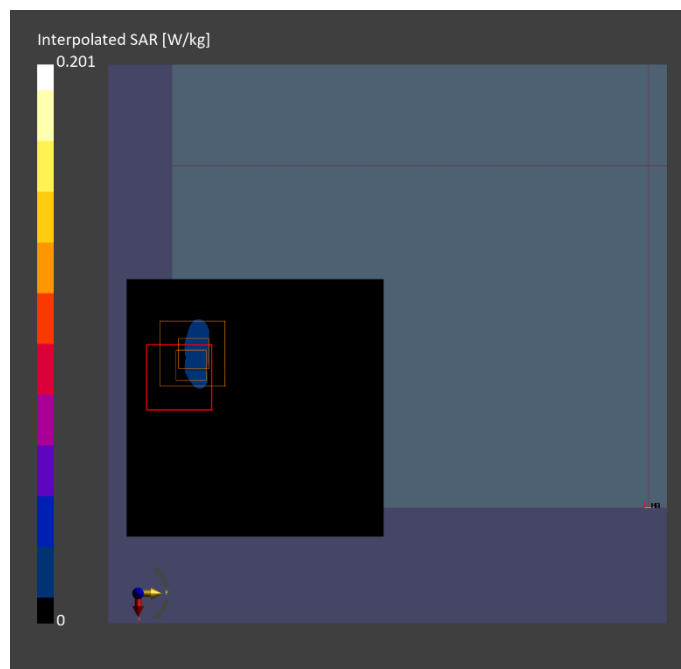
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 85.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	2.0 x 2.0 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-12-01	2023-12-01
psSAR1g [W/kg]	0.019	0.028
psSAR10g [W/kg]	0.005	0.007
Power Drift [dB]	-0.23	2.43
M2/M1 [%]		46.1
Dist 3dB Peak [mm]		2.6





05_WLAN 6 GHz_802.11AX160_CH47_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-5	WLAN,	6185.000,	5.51	5.77	33.8
HSL	0.00		10755-AAC	47			

Hardware Setup

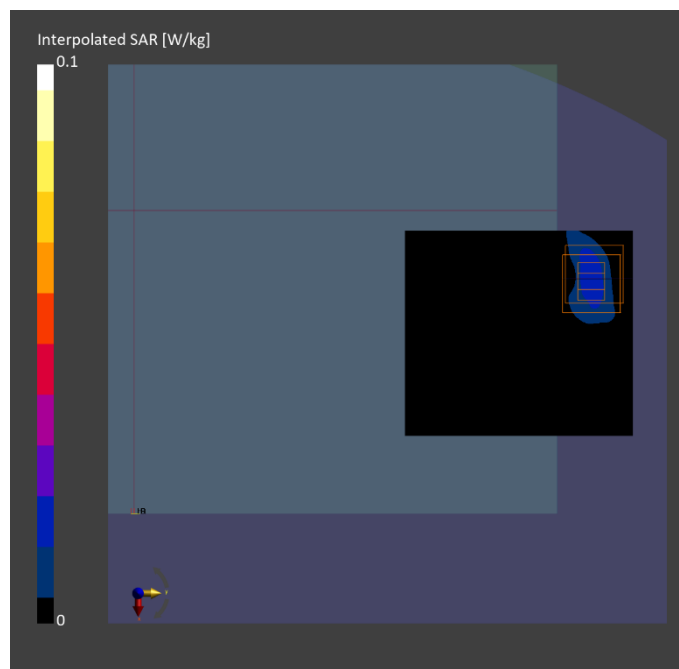
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 68.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-28	2023-11-28
psSAR1g [W/kg]	0.016	0.018
psSAR10g [W/kg]	0.005	0.006
Power Drift [dB]	-0.00	1.16
M2/M1 [%]		48.9
Dist 3dB Peak [mm]		6.2





06_WLAN 6 GHz_802.11AX160_CH111_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-6	WLAN,	6505.000,	5.51	6.16	33.5
HSL	0.00		10755-AAC	111			

Hardware Setup

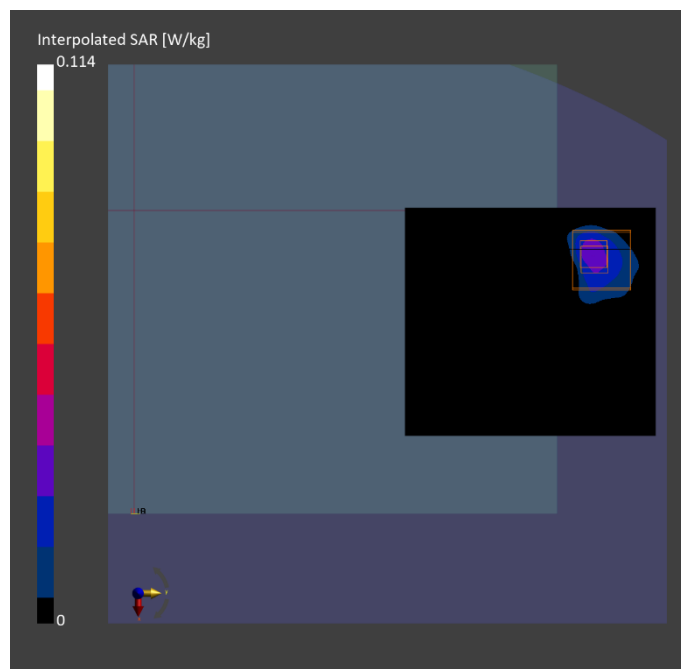
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 68.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-29	2023-11-29
psSAR1g [W/kg]	0.023	0.025
psSAR10g [W/kg]	0.007	0.008
Power Drift [dB]	-0.04	-0.60
M2/M1 [%]		49.0
Dist 3dB Peak [mm]		5.7





07_WLAN 6 GHz_802.11AX160_CH143_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-7	WLAN,	6665.000,	5.51	6.39	33.2
HSL	0.00		10755-AAC	143			

Hardware Setup

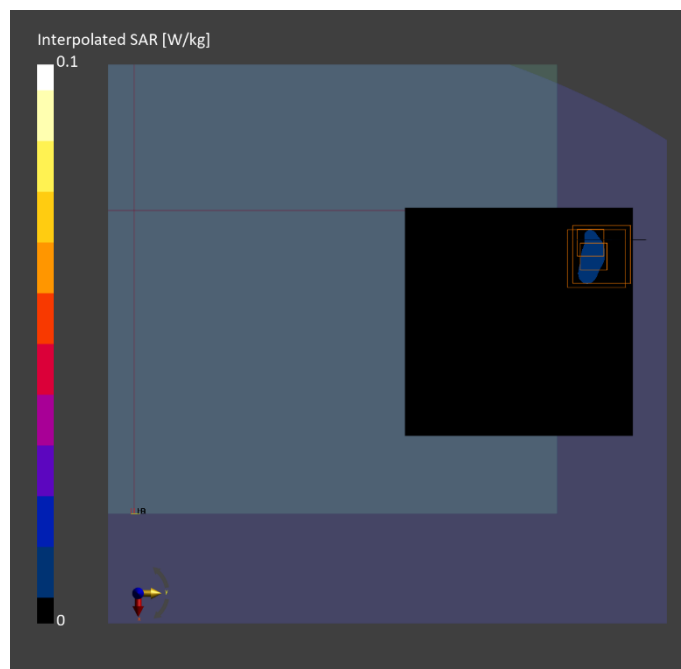
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 68.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-30	2023-11-30
psSAR1g [W/kg]	0.01	0.017
psSAR10g [W/kg]	0.002	0.004
Power Drift [dB]	0.76	0.82
M2/M1 [%]		50.7
Dist 3dB Peak [mm]		5.8





08_WLAN 6 GHz_802.11AX160_CH207_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-8	WLAN,	6985.000,	5.51	6.71	32.6
HSL	0.00		10755-AAC	207			

Hardware Setup

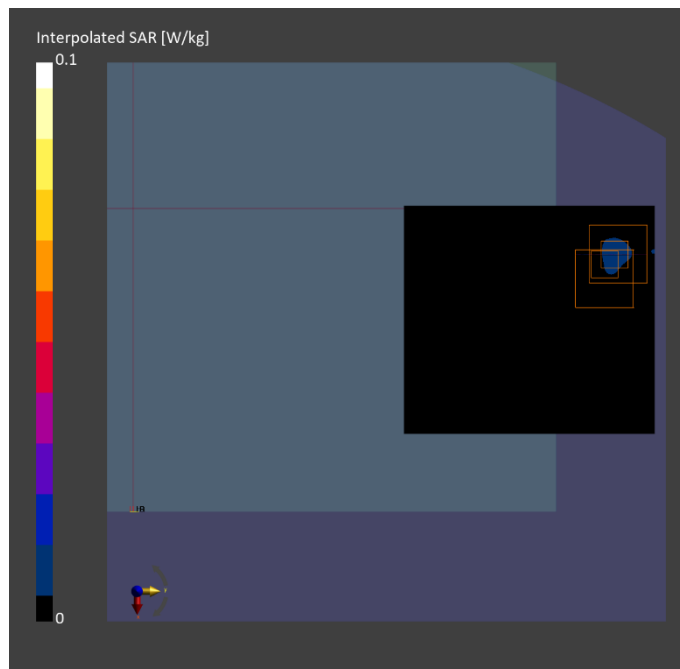
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 68.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-12-01	2023-12-01
psSAR1g [W/kg]	0.010	0.015
psSAR10g [W/kg]	0.002	0.005
Power Drift [dB]	-1.98	0.62
M2/M1 [%]		45.4
Dist 3dB Peak [mm]		10.2



**09_Measurement Report for Device, FRONT, U-NII-5, UID 10755 AAC, Channel 47 (6185.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	315.0 x 226.0 x 14.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	1.0

Hardware Setup

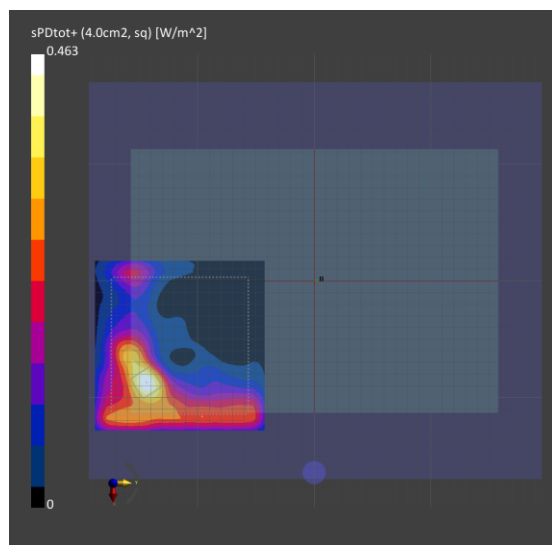
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.422
psPDtot+ [W/m ²]	0.462
psPDmod+ [W/m ²]	0.502
E _{max} [V/m]	16.4
Power Drift [dB]	2.56



**10_Measurement Report for Device, FRONT, U-NII-6, UID 10755 AAC, Channel 111 (6505.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	315.0 x 226.0 x 14.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	1.0

Hardware Setup

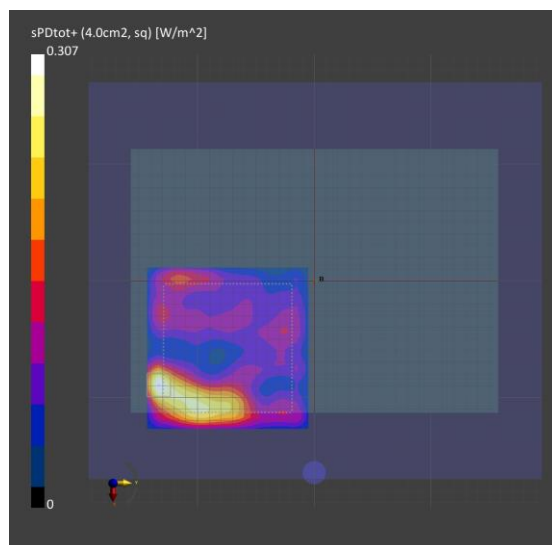
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.290
psPDtot+ [W/m ²]	0.301
psPDmod+ [W/m ²]	0.320
E _{max} [V/m]	15.7
Power Drift [dB]	-11.10



**11_Measurement Report for Device, FRONT, U-NII-7, UID 10755 AAC, Channel 175 (6825.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	315.0 x 226.0 x 14.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-7	WLAN, 10755-AAC	6825.0, 175	1.0

Hardware Setup

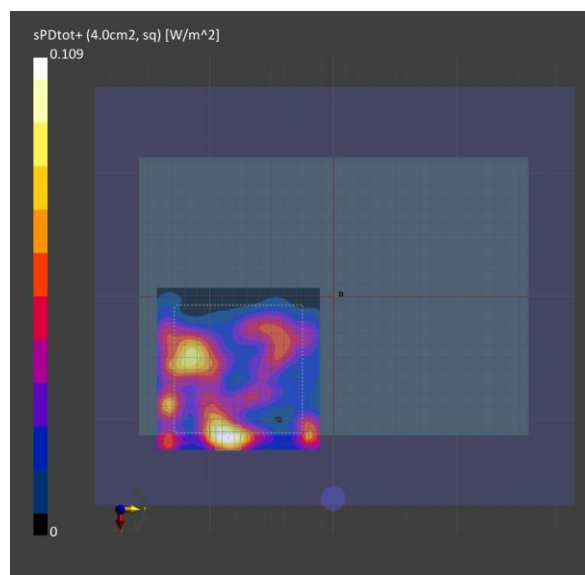
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.092
psPDtot+ [W/m ²]	0.108
psPDmod+ [W/m ²]	0.156
E _{max} [V/m]	12.0
Power Drift [dB]	n/a



**12_ Measurement Report for Device, FRONT, U-NII-8, UID 10755 AAC, Channel 207 (6985.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	315.0 x 226.0 x 14.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	1.0

Hardware Setup

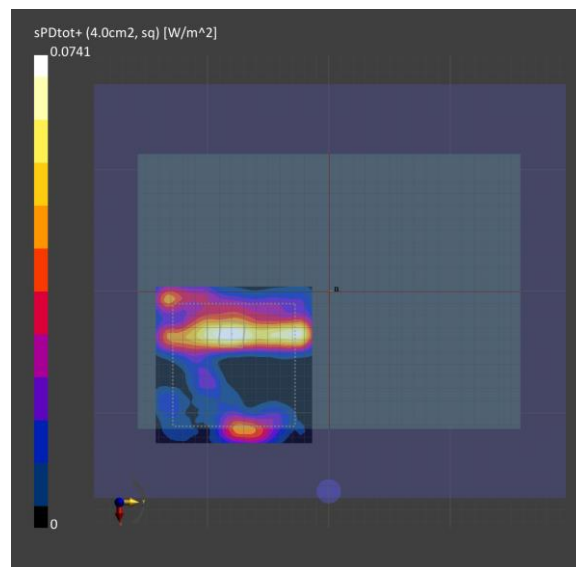
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.068
psPDtot+ [W/m ²]	0.074
psPDmod+ [W/m ²]	0.086
E _{max} [V/m]	8.61
Power Drift [dB]	n/a





<CRIUS N310-G1>

6G

Plot.No	Band	Mode	Channel	Frequency (MHz)	Test Position	Gap (mm)	Antenna	EIRP Power (dBm)	Tune-up (dBm)	Duty Cycle (%)	SAR 1g (W/Kg)	Reported SAR 1g (W/Kg)	APD w/m ² (4cm ²)	Reported APD w/m ² (4cm ²)
1	WLAN 6GHz	802.11ax HE160	79	6345	Back of Display Screen	25	Main	17.47	17.5	99	0.017	0.02	0.137	0.14
	WLAN 6GHz	802.11ax HE160	79	6345	Bottom of Laptop	0	Main	17.47	17.5	99	0.748	0.76	4.06	4.13
	WLAN 6GHz	802.11ax HE160	47	6185	Bottom of Laptop	0	Main	17.42	17.5	99	0.697	0.72	3.84	3.95
	WLAN 6GHz	802.11ax HE160	15	6025	Bottom of Laptop	0	Main	17.46	17.5	99	0.67	0.68	3.69	3.76
2	WLAN 6GHz	802.11ax HE160	111	6505	Back of Display Screen	25	Main	17.41	17.5	99	0.014	0.01	0.11	0.11
	WLAN 6GHz	802.11ax HE160	111	6505	Bottom of Laptop	0	Main	17.41	17.5	99	0.708	0.73	3.83	3.95
	WLAN 6GHz	802.11ax HE80	103	6465	Bottom of Laptop	0	Main	15.17	15.5	99	0.445	0.49	2.38	2.59
	WLAN 6GHz	802.11ax HE160	143	6665	Back of Display Screen	25	Main	18.10	18.5	99	0.021	0.02	0.159	0.18
3	WLAN 6GHz	802.11ax HE160	143	6665	Bottom of Laptop	0	Main	18.10	18.5	99	0.696	0.77	3.79	4.20
	WLAN 6GHz	802.11ax HE160	175	6825	Bottom of Laptop	0	Main	16.08	16.5	99	0.686	0.76	3.62	4.03
	WLAN 6GHz	802.11ax HE160	207	6985	Back of Display Screen	25	Main	15.99	16	99	0.029	0.03	0.237	0.24
	WLAN 6GHz	802.11ax HE160	207	6985	Bottom of Laptop	0	Main	15.99	16	99	0.675	0.68	3.5	3.54
4	WLAN 6GHz	802.11ax HE80	199	6945	Bottom of Laptop	0	Main	13.99	14	99	0.354	0.36	1.82	1.84
	WLAN 6GHz	802.11ax HE80	215	7025	Bottom of Laptop	0	Main	14.05	14.5	99	0.456	0.51	2.34	2.62
	WLAN 6GHz	802.11ax HE160	79	6345	Back of Display Screen	25	Aux	15.77	16	99	0.015	0.02	0.124	0.13
	WLAN 6GHz	802.11ax HE160	79	6345	Bottom of Laptop	0	Aux	15.77	16	99	0.683	0.73	3.41	3.63
5	WLAN 6GHz	802.11ax HE160	47	6185	Bottom of Laptop	0	Aux	15.76	16	99	0.68	0.73	3.49	3.73
	WLAN 6GHz	802.11ax HE160	15	6025	Bottom of Laptop	0	Aux	15.81	16	99	0.653	0.69	3.36	3.55
	WLAN 6GHz	802.11ax HE160	111	6505	Back of Display Screen	25	Aux	15.90	16	99	0.018	0.02	0.168	0.17
	WLAN 6GHz	802.11ax HE160	111	6505	Bottom of Laptop	0	Aux	15.90	16	99	0.675	0.70	3.47	3.59
6	WLAN 6GHz	802.11ax HE80	103	6465	Bottom of Laptop	0	Aux	13.89	14	99	0.419	0.43	2.12	2.20
	WLAN 6GHz	802.11ax HE160	143	6665	Back of Display Screen	25	Aux	16.43	16.5	99	0.013	0.01	0.109	0.11
	WLAN 6GHz	802.11ax HE160	143	6665	Bottom of Laptop	0	Aux	16.43	16.5	99	0.6	0.62	3.2	3.29
	WLAN 6GHz	802.11ax HE160	175	6825	Bottom of Laptop	0	Aux	15.84	16	99	0.466	0.49	2.54	2.66
7	WLAN 6GHz	802.11ax HE160	207	6985	Back of Display Screen	25	Aux	15.83	16	99	0.029	0.03	0.242	0.25
	WLAN 6GHz	802.11ax HE160	207	6985	Bottom of Laptop	0	Aux	15.83	16	99	0.621	0.65	3.33	3.50
	WLAN 6GHz	802.11ax HE80	199	6945	Bottom of Laptop	0	Aux	13.80	14	99	0.304	0.32	1.62	1.71
	WLAN 6GHz	802.11ax HE80	215	7025	Bottom of Laptop	0	Aux	13.84	14	99	0.413	0.43	1.8	1.89



Plot.No	Band	Mode	Channel	Frequency (MHz)	Test Position	Gap (mm)	Antenna	ERP Power (dBm)	Tune-up (dBm)	Duty Cycle (%)	SAR 1g (W/Kg)	Reported SAR 1g (W/Kg)	APD w/m ² (4cm ²)	Reported APD w/m ² (4cm ²)	Grid Step [A]	PDn	Scaling Factor for Measurement Uncertainty	Total psPD w/m ² (4cm ²)	Scaled Total psPD w/m ² (4cm ²)
9	WLAN 6GHz	802.11ax HE160	79	6345	Bottom of Laptop	0	Main	17.47	17.5	99	0.748	0.76	4.06	4.13	0.0625	2.03	1.55	1.13	1.78
10	WLAN 6GHz	802.11ax HE160	111	6505	Bottom of Laptop	0	Main	17.41	17.5	99	0.708	0.73	3.83	3.95	0.0625	1.2	1.55	1.14	1.82
	WLAN 6GHz	802.11ax HE80	103	6465	Bottom of Laptop	0	Main	15.17	15.5	99	0.445	0.49	2.38	2.59	0.0625	0.602	1.55	0.412	0.70
11	WLAN 6GHz	802.11ax HE160	143	6665	Bottom of Laptop	0	Main	18.10	18.5	99	0.696	0.77	3.79	4.20	0.0625	0.777	1.55	0.707	1.21
12	WLAN 6GHz	802.11ax HE160	207	6985	Bottom of Laptop	0	Main	15.99	16	99	0.675	0.68	3.5	3.54	0.0625	0.788	1.55	0.89	1.40



01_WLAN 6 GHz_802.11AX160_CH79_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-5	WLAN,	6345.000,	5.51	5.96	33.6
HSL	0.00		10755-AAC	79			

Hardware Setup

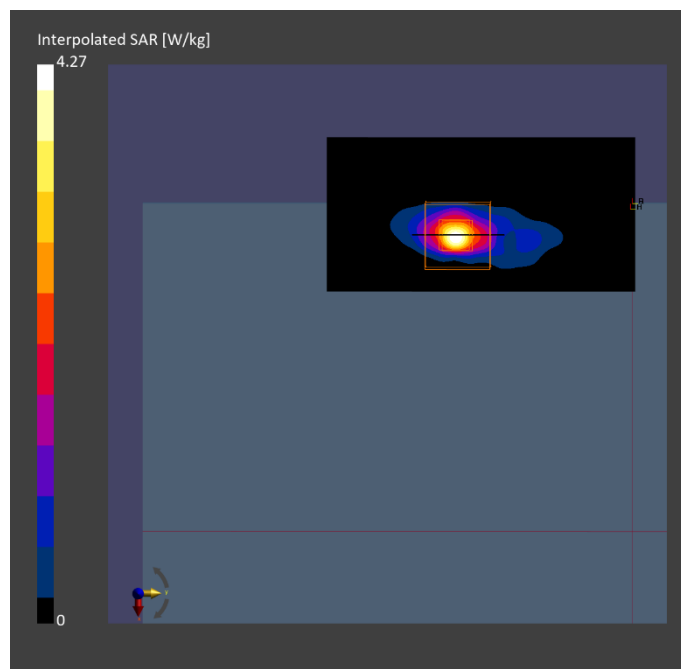
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-28	2023-11-28
psSAR1g [W/kg]	0.712	0.748
psSAR10g [W/kg]	0.171	0.171
Power Drift [dB]	-0.07	0.16
M2/M1 [%]		49.8
Dist 3dB Peak [mm]		5.2





02_WLAN 6 GHz_802.11AX160_CH111_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-6	WLAN,	6505.000,	5.51	6.16	33.5
HSL	0.00		10755-AAC	111			

Hardware Setup

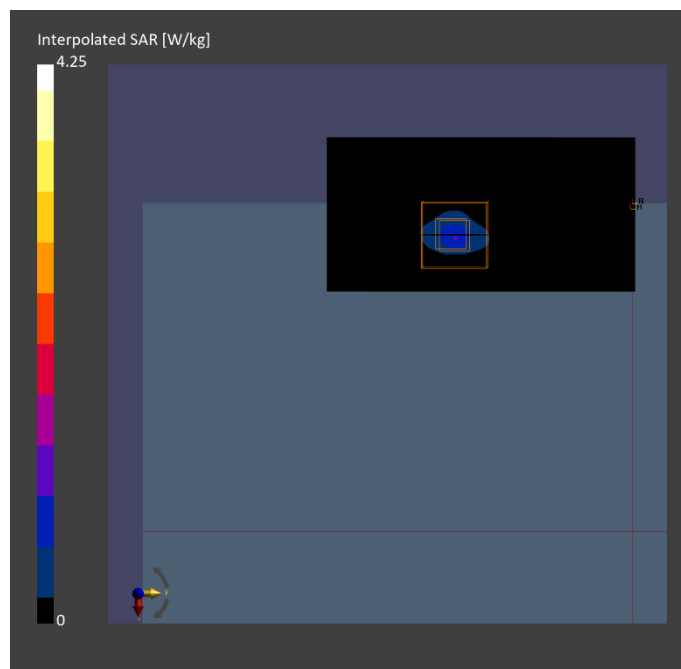
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-29	2023-11-29
psSAR1g [W/kg]	0.665	0.708
psSAR10g [W/kg]	0.160	0.161
Power Drift [dB]	0.25	-0.14
M2/M1 [%]		48.6
Dist 3dB Peak [mm]		5.2





03_WLAN 6 GHz_802.11AX160_CH143_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-7	WLAN,	6665.000,	5.51	6.39	33.2
HSL	0.00		10755-AAC	143			

Hardware Setup

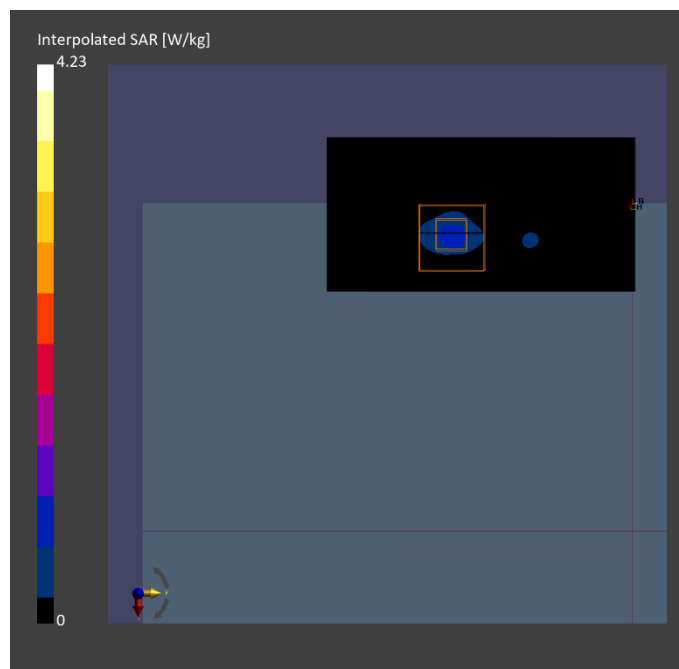
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-30	2023-11-30
psSAR1g [W/kg]	0.651	0.696
psSAR10g [W/kg]	0.157	0.160
Power Drift [dB]	0.18	0.28
M2/M1 [%]		51.6
Dist 3dB Peak [mm]		5.0





04_WLAN 6 GHz_802.11AX160_CH207_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-8	WLAN,	6985.000,	5.51	6.77	32.5
HSL	0.00		10755-AAC	207			

Hardware Setup

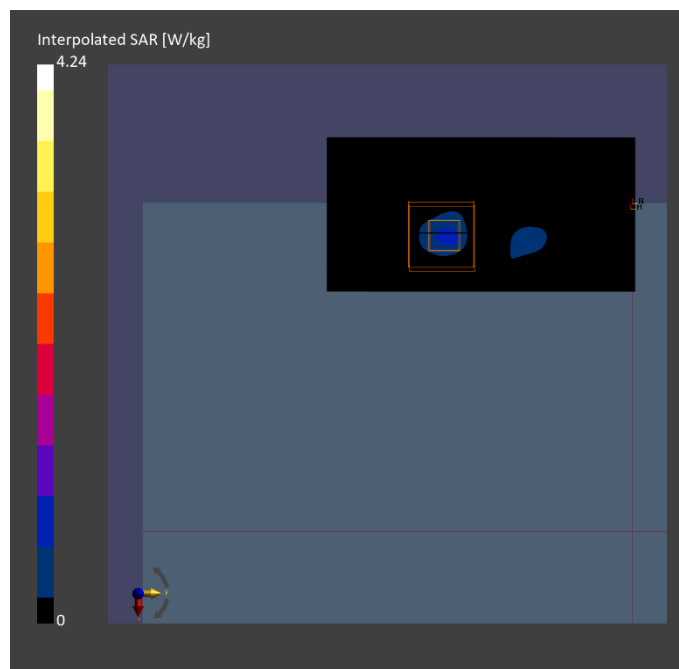
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	2.2 x 2.2 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-12-01	2023-12-01
psSAR1g [W/kg]	0.617	0.675
psSAR10g [W/kg]	0.139	0.145
Power Drift [dB]	-0.13	-0.54
M2/M1 [%]		53.0
Dist 3dB Peak [mm]		3.6





05_WLAN 6 GHz_802.11AX160_CH79_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-5	WLAN,	6345.000,	5.51	5.99	33.7
HSL	0.00		10755-AAC	79			

Hardware Setup

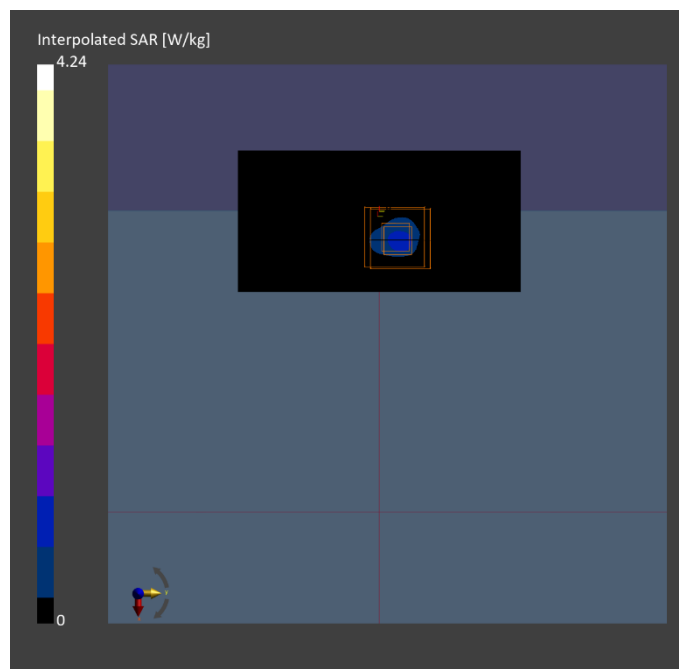
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	2.9 x 2.9 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-28	2023-11-28
psSAR1g [W/kg]	0.611	0.683
psSAR10g [W/kg]	0.141	0.142
Power Drift [dB]	0.03	0.02
M2/M1 [%]		56.3
Dist 3dB Peak [mm]		4.5





06_WLAN 6 GHz_802.11AX160_CH111_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-6	WLAN,	6505.000,	5.51	6.16	33.5
HSL	0.00		10755-AAC	111			

Hardware Setup

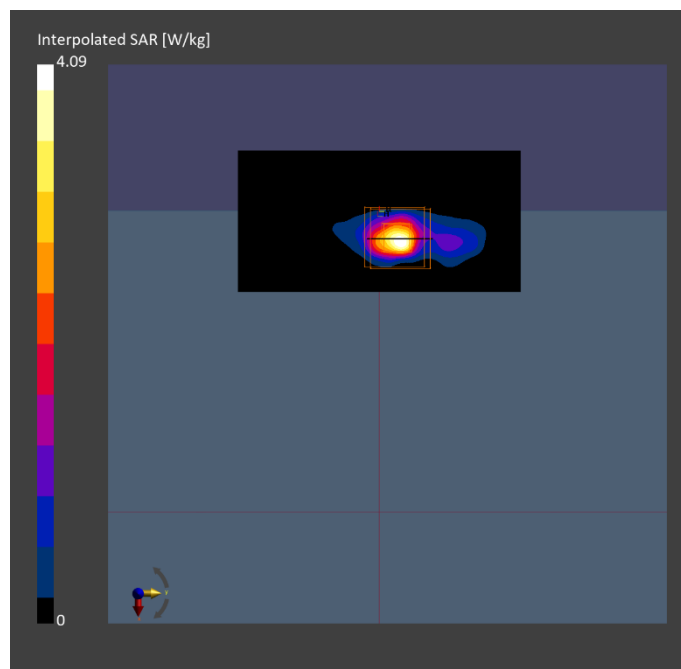
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-29	2023-11-29
psSAR1g [W/kg]	0.601	0.675
psSAR10g [W/kg]	0.143	0.144
Power Drift [dB]	0.34	-0.53
M2/M1 [%]		49.5
Dist 3dB Peak [mm]		5.0





07_WLAN 6 GHz_802.11AX160_CH143_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-7	WLAN,	6665.000,	5.51	6.39	33.2
HSL	0.00		10755-AAC	143			

Hardware Setup

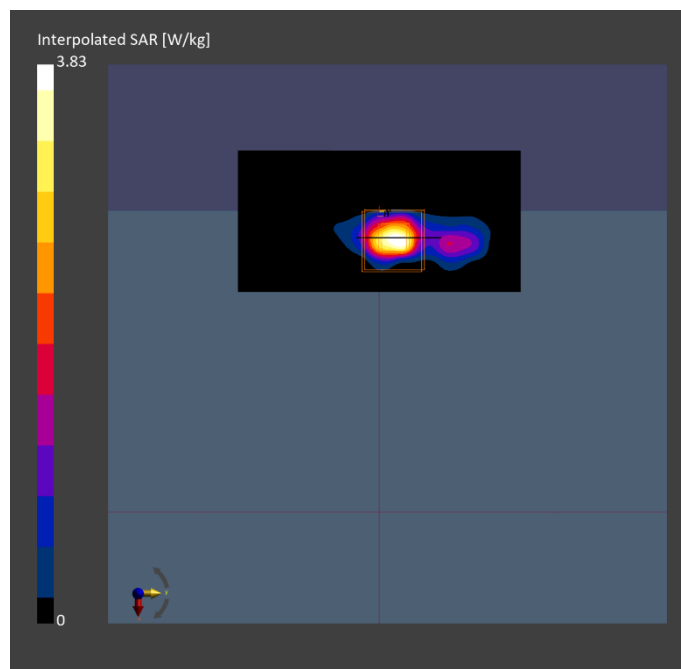
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-30	2023-11-30
psSAR1g [W/kg]	0.526	0.600
psSAR10g [W/kg]	0.127	0.134
Power Drift [dB]	-0.48	-0.38
M2/M1 [%]		48.4
Dist 3dB Peak [mm]		5.0





08_WLAN 6 GHz_802.11AX160_CH207_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-8	WLAN,	6985.000,	5.51	6.71	32.6
HSL	0.00		10755-AAC	207			

Hardware Setup

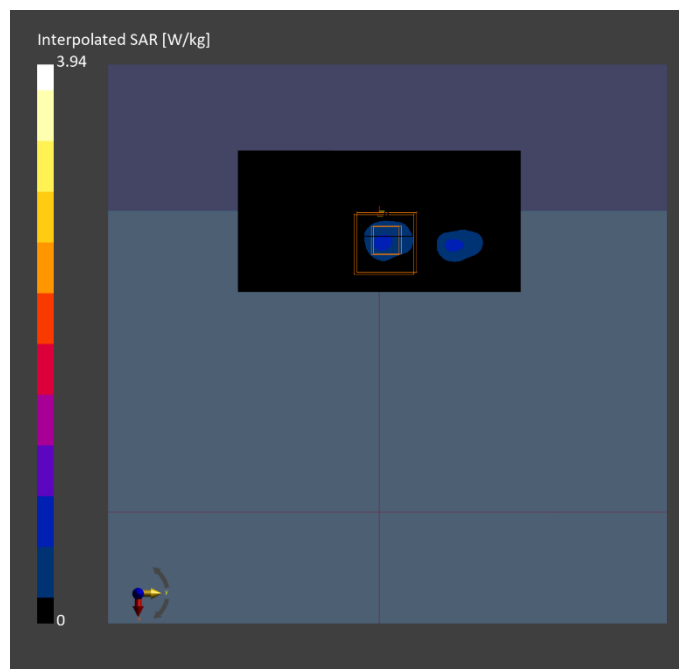
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-12-01	2023-12-01
psSAR1g [W/kg]	0.550	0.621
psSAR10g [W/kg]	0.135	0.121
Power Drift [dB]	-0.69	0.29
M2/M1 [%]		49.1
Dist 3dB Peak [mm]		3.9



**09_Measurement Report for Device, FRONT, U-NII-5, UID 10755 AAC, Channel 79 (6345.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	324.0 x 217.0 x 14.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-5	WLAN, 10755-AAC	6345.0, 79	1.0

Hardware Setup

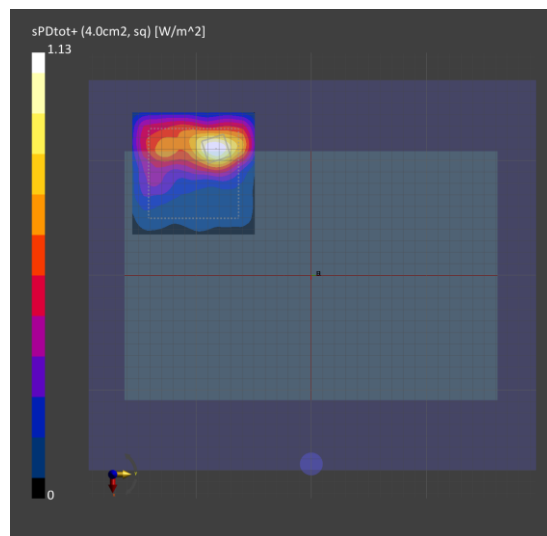
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.05
psPDtot+ [W/m ²]	1.13
psPDmod+ [W/m ²]	1.19
E _{max} [V/m]	27.5
Power Drift [dB]	-1.07



**10_Measurement Report for Device, FRONT, U-NII-6, UID 10755 AAC, Channel 111 (6505.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	324.0 x 217.0 x 14.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	1.0

Hardware Setup

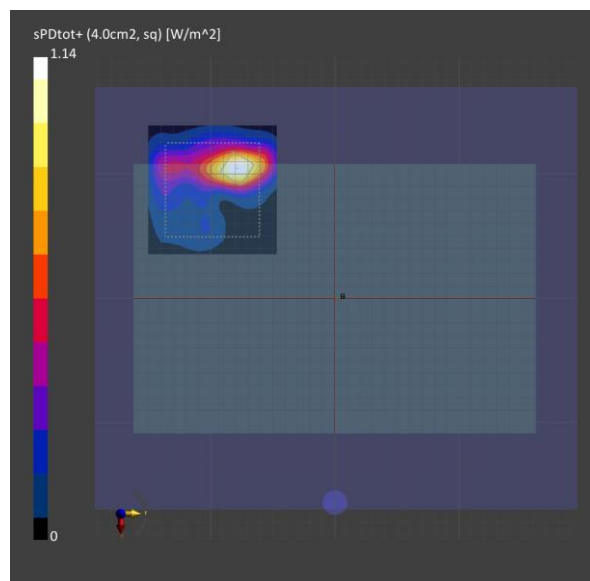
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.01
psPDtot+ [W/m ²]	1.14
psPDmod+ [W/m ²]	1.20
E _{max} [V/m]	25.5
Power Drift [dB]	-0.24



**11_Measurement Report for Device, FRONT, U-NII-7, UID 10755 AAC, Channel 143 (6665.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	324.0 x 217.0 x 14.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-7	WLAN, 10755-AAC	6665.0, 143	1.0

Hardware Setup

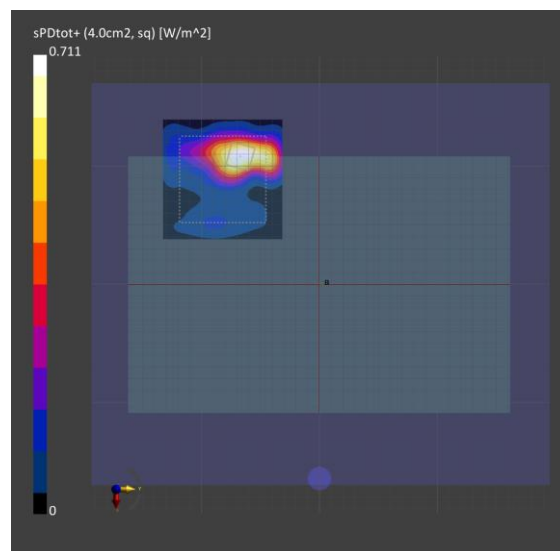
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.639
psPDtot+ [W/m ²]	0.707
psPDmod+ [W/m ²]	0.761
E _{max} [V/m]	25.3
Power Drift [dB]	-0.25



**12_Measurement Report for Device, FRONT, U-NII-8, UID 10755 AAC, Channel 207 (6985.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	324.0 x 217.0 x 14.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	1.0

Hardware Setup

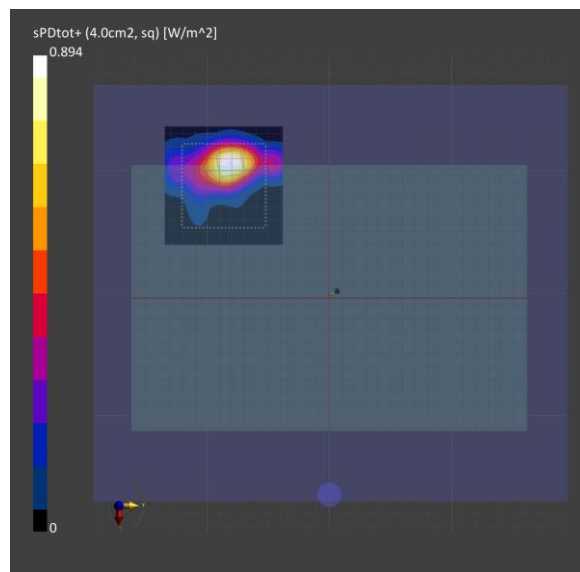
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.816
psPDtot+ [W/m ²]	0.890
psPDmod+ [W/m ²]	0.985
E _{max} [V/m]	24.2
Power Drift [dB]	0.13





<CRIUS N320-G1>

6G

Plot.No	Band	Mode	Channel	Frequency (MHz)	Test Position	Gap (mm)	Antenna	EIRP Power (dBm)	Tune-up (dBm)	Duty Cycle (%)	SAR 1g (W/Kg)	Reported SAR 1g (W/Kg)	APD w/m ² (4cm ²)	Reported APD w/m ² (4cm ²)
1	WLAN 6GHz	802.11ax HE160	79	6345	Back of Display Screen	25	Main	16.28	16.5	99	0.038	0.04	0.34	0.36
	WLAN 6GHz	802.11ax HE160	79	6345	Bottom of Laptop	0	Main	16.28	16.5	99	0.687	0.73	3.44	3.66
	WLAN 6GHz	802.11ax HE160	47	6185	Bottom of Laptop	0	Main	16.23	16.5	99	0.55	0.59	2.94	3.16
	WLAN 6GHz	802.11ax HE160	15	6025	Bottom of Laptop	0	Main	16.27	16.5	99	0.528	0.56	2.83	3.01
2	WLAN 6GHz	802.11ax HE160	111	6505	Back of Display Screen	25	Main	16.22	16.5	99	0.03	0.03	0.276	0.30
	WLAN 6GHz	802.11ax HE160	111	6505	Bottom of Laptop	0	Main	16.22	16.5	99	0.727	0.78	3.45	3.72
	WLAN 6GHz	802.11ax HE80	103	6465	Bottom of Laptop	0	Main	14.19	14.5	99	0.6	0.65	2.88	3.12
	WLAN 6GHz	802.11ax HE160	143	6665	Back of Display Screen	25	Main	12.82	13	99	0.034	0.04	0.266	0.28
3	WLAN 6GHz	802.11ax HE160	143	6665	Bottom of Laptop	0	Main	12.82	13	99	0.429	0.45	1.98	2.08
	WLAN 6GHz	802.11ax HE160	175	6825	Bottom of Laptop	0	Main	12.79	13	99	0.722	0.77	3.23	3.42
	WLAN 6GHz	802.11ax HE160	207	6985	Back of Display Screen	25	Main	11.74	12	99	0.031	0.03	0.257	0.28
	WLAN 6GHz	802.11ax HE160	207	6985	Bottom of Laptop	0	Main	11.74	12	99	0.694	0.74	2.99	3.21
4	WLAN 6GHz	802.11ax HE80	199	6945	Bottom of Laptop	0	Main	14.62	15	99	0.593	0.65	2.55	2.81
	WLAN 6GHz	802.11ax HE80	215	7025	Bottom of Laptop	0	Main	14.68	15	99	0.672	0.73	2.87	3.12
	WLAN 6GHz	802.11ax HE160	79	6345	Back of Display Screen	25	Aux	14.65	15	99	0.049	0.05	0.447	0.49
	WLAN 6GHz	802.11ax HE160	79	6345	Bottom of Laptop	0	Aux	14.65	15	99	0.535	0.59	3.44	3.77
5	WLAN 6GHz	802.11ax HE160	47	6185	Bottom of Laptop	0	Aux	14.64	15	99	0.678	0.74	4.6	5.05
	WLAN 6GHz	802.11ax HE160	15	6025	Bottom of Laptop	0	Aux	14.64	15	99	0.495	0.54	3.19	3.50
	WLAN 6GHz	802.11ax HE160	111	6505	Back of Display Screen	25	Aux	14.85	15	99	0.028	0.03	0.245	0.26
	WLAN 6GHz	802.11ax HE160	111	6505	Bottom of Laptop	0	Aux	14.85	15	99	0.758	0.79	4.27	4.46
6	WLAN 6GHz	802.11ax HE80	103	6465	Bottom of Laptop	0	Aux	12.37	12.5	99	0.389	0.41	2.4	2.50
	WLAN 6GHz	802.11ax HE160	143	6665	Back of Display Screen	25	Aux	14.08	14.5	99	0.041	0.05	0.343	0.38
	WLAN 6GHz	802.11ax HE160	143	6665	Bottom of Laptop	0	Aux	14.08	14.5	99	0.541	0.60	3.02	3.36
	WLAN 6GHz	802.11ax HE160	175	6825	Bottom of Laptop	0	Aux	13.61	14	99	0.714	0.79	3.6	3.98
7	WLAN 6GHz	802.11ax HE160	207	6985	Back of Display Screen	25	Aux	12.71	13	99	0.036	0.04	0.31	0.34
	WLAN 6GHz	802.11ax HE160	207	6985	Bottom of Laptop	0	Aux	12.71	13	99	0.723	0.78	3.68	3.97
	WLAN 6GHz	802.11ax HE80	199	6945	Bottom of Laptop	0	Aux	12.54	13	99	0.658	0.74	3.37	3.78
	WLAN 6GHz	802.11ax HE80	215	7025	Bottom of Laptop	0	Aux	12.58	13	99	0.678	0.75	3.41	3.79



Plot.No	Band	Mode	Channel	Frequency (MHz)	Test Position	Gap (mm)	Antenna	ERP Power (dBm)	Tune-up (dBm)	Duty Cycle (%)	SAR 1g (W/Kg)	Reported SAR 1g (W/Kg)	APD w/m ² (4cm ²)	Reported APD w/m ² (4cm ²)	Grid Step [A]	IPDn	Scaling Factor for Measurement Uncertainty	Total psPD w/m ² (4cm ²)	Scaled Total psPD w/m ² (4cm ²)
	WLAN 6GHz	802.11ax HE160	79	6345	Bottom of Laptop	0	Aux	14.65	15	99	0.535	0.59	3.44	3.77	0.0625	1.48	1.55	1.6	2.72
9	WLAN 6GHz	802.11ax HE160	47	6185	Bottom of Laptop	0	Aux	14.64	15	99	0.678	0.74	4.6	5.05	0.0625	1.09	1.55	2.09	3.56
10	WLAN 6GHz	802.11ax HE160	111	6505	Bottom of Laptop	0	Aux	14.85	15	99	0.758	0.79	4.27	4.46	0.0625	1.16	1.55	1.19	1.93
11	WLAN 6GHz	802.11ax HE160	175	6825	Bottom of Laptop	0	Aux	13.61	14	99	0.714	0.79	3.6	3.98	0.0625	1.1	1.55	0.989	1.69
12	WLAN 6GHz	802.11ax HE160	207	6985	Bottom of Laptop	0	Aux	12.71	13	99	0.723	0.78	3.68	3.97	0.0625	1.3	1.55	1.25	2.09



01_WLAN 6 GHz_802.11AX160_CH79_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-5	WLAN,	6345.000,	5.51	5.96	33.6
HSL	0.00		10755-AAC	79			

Hardware Setup

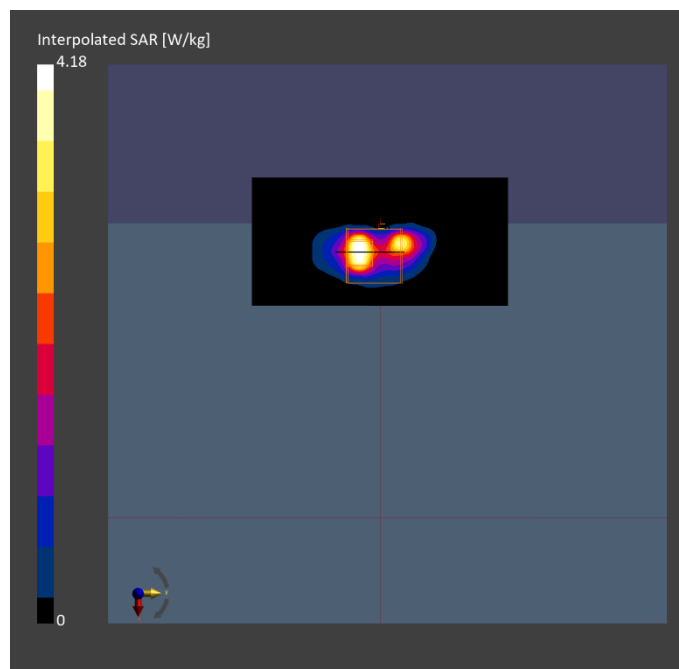
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-28	2023-11-28
psSAR1g [W/kg]	0.539	0.687
psSAR10g [W/kg]	0.146	0.149
Power Drift [dB]	0.04	-0.36
M2/M1 [%]		53.6
Dist 3dB Peak [mm]		4.4





02_WLAN 6 GHz_802.11AX160_CH111_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-6	WLAN,	6505.000,	5.51	6.16	33.5
HSL	0.00		10755-AAC	111			

Hardware Setup

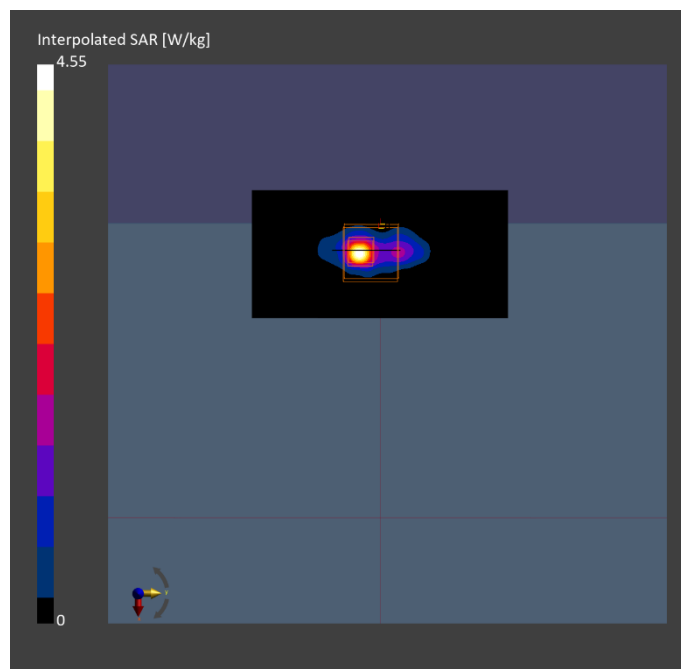
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-29	2023-11-29
psSAR1g [W/kg]	0.628	0.727
psSAR10g [W/kg]	0.136	0.146
Power Drift [dB]	-0.34	-0.11
M2/M1 [%]		51.9
Dist 3dB Peak [mm]		4.2





03_WLAN 6 GHz_802.11AX160_CH175_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-7	WLAN,	6825.000,	5.51	6.59	32.9
HSL	0.00		10755-AAC	175			

Hardware Setup

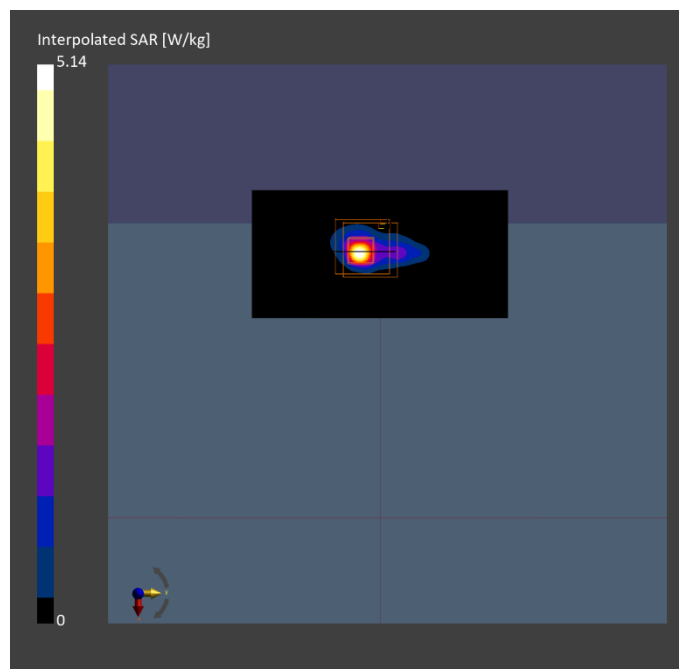
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	2.8 x 2.8 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-30	2023-11-30
psSAR1g [W/kg]	0.615	0.722
psSAR10g [W/kg]	0.125	0.133
Power Drift [dB]	-0.13	-0.29
M2/M1 [%]		53.7
Dist 3dB Peak [mm]		4.1





04_WLAN 6 GHz_802.11AX160_CH207_MCS0_Bottom of Laptop_0mm_ANT Mian

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-8	WLAN,	6985.000,	5.51	6.71	32.6
HSL	0.00		10755-AAC	207			

Hardware Setup

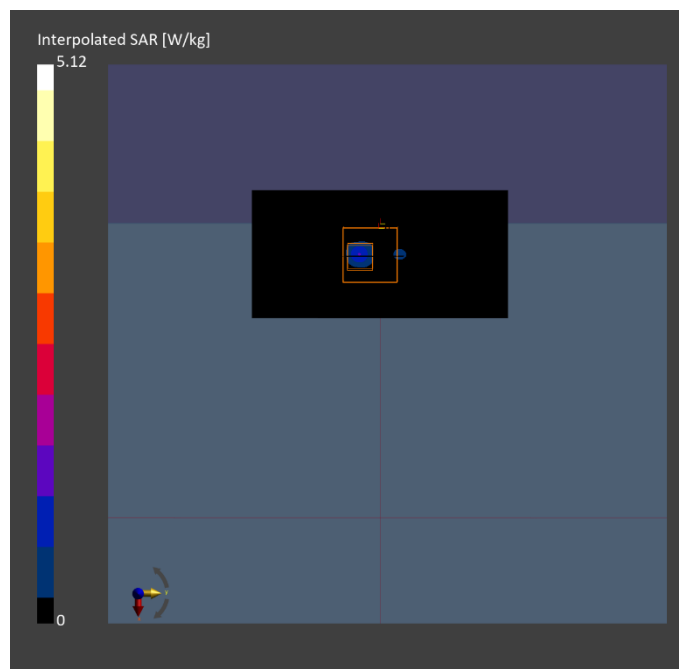
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	2.6 x 2.6 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-12-01	2023-12-01
psSAR1g [W/kg]	0.672	0.694
psSAR10g [W/kg]	0.132	0.124
Power Drift [dB]	0.03	-0.12
M2/M1 [%]		54.8
Dist 3dB Peak [mm]		3.7





05_WLAN 6 GHz_802.11AX160_CH47_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-5	WLAN,	6185.000,	5.51	5.76	33.9
HSL	0.00		10755-AAC	47			

Hardware Setup

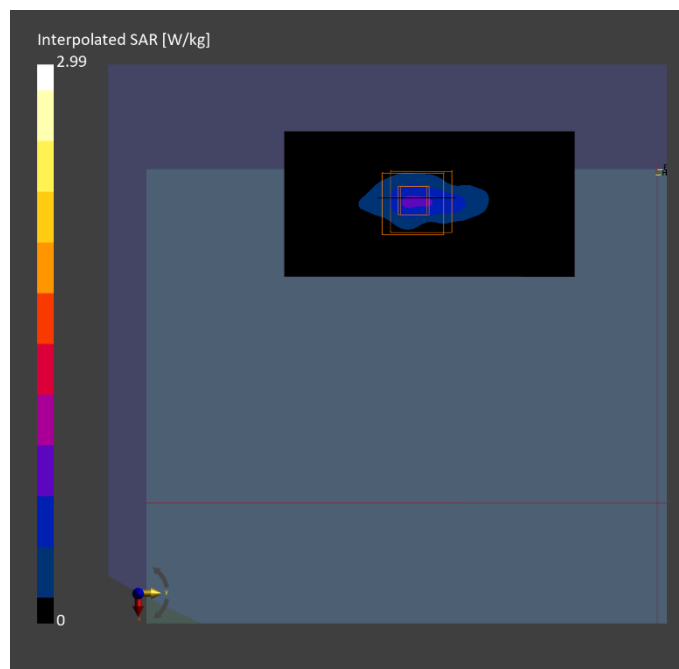
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-28	2023-11-28
psSAR1g [W/kg]	0.575	0.678
psSAR10g [W/kg]	0.178	0.197
Power Drift [dB]	0.13	0.16
M2/M1 [%]		54.7
Dist 3dB Peak [mm]		5.7





06_WLAN 6 GHz_802.11AX160_CH111_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-6	WLAN,	6505.000,	5.51	6.16	33.5
HSL	0.00		10755-AAC	111			

Hardware Setup

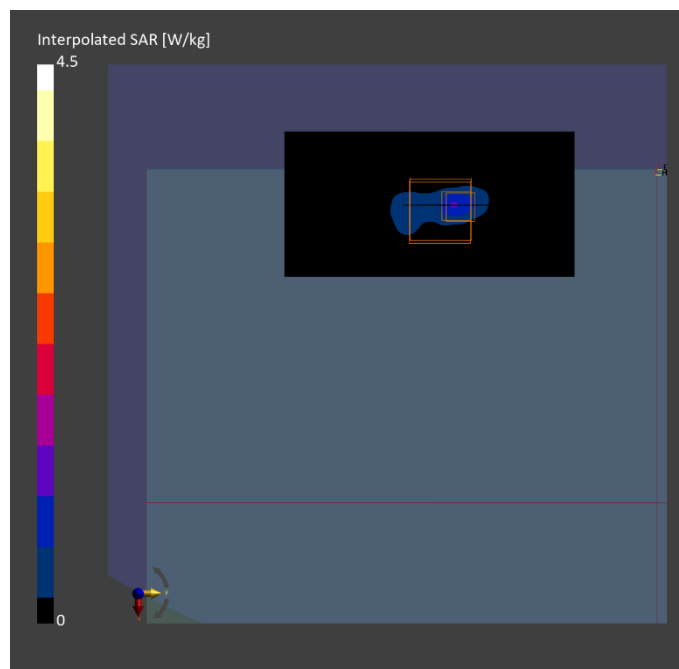
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	2.5 x 2.5 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-29	2023-11-29
psSAR1g [W/kg]	0.714	0.758
psSAR10g [W/kg]	0.188	0.190
Power Drift [dB]	-0.06	-0.12
M2/M1 [%]		54.9
Dist 3dB Peak [mm]		4.2





07_WLAN 6 GHz_802.11AX160_CH175_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-7	WLAN,	6825.000,	5.51	6.59	32.9
HSL	0.00		10755-AAC	175			

Hardware Setup

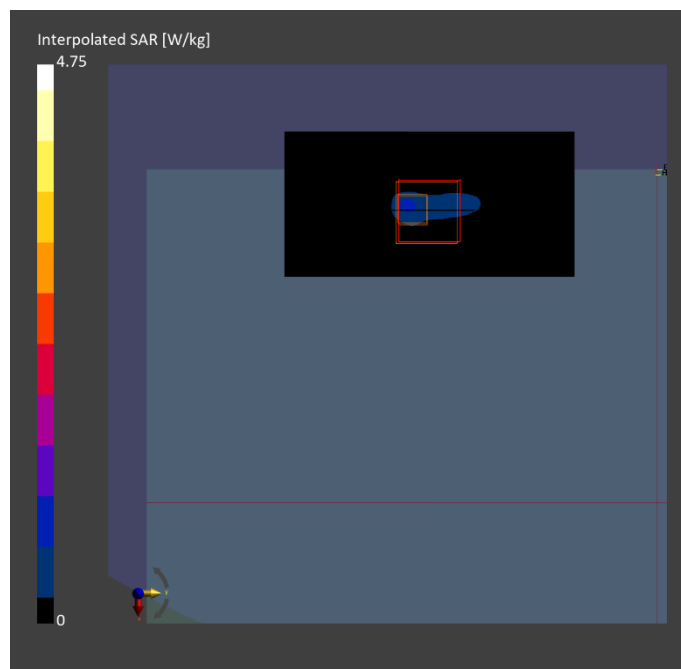
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-11-30	2023-11-30
psSAR1g [W/kg]	0.586	0.714
psSAR10g [W/kg]	0.158	0.158
Power Drift [dB]	0.20	0.02
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		4.6





08_WLAN 6 GHz_802.11AX160_CH207_MCS0_Bottom of Laptop_0mm_ANT Aux

Device under Test Properties

Exposure Conditions

Phantom	Position, Test	Band	Group,	Frequency [MHz],	Conversion	TSL Conductivity	TSL
Section, TSL	Distance [mm]		UID	Channel Number	Factor	[S/m]	Permittivity
Flat,	FRONT,	U-NII-8	WLAN,	6985.000,	5.51	6.71	32.6
HSL	0.00		10755-AAC	207			

Hardware Setup

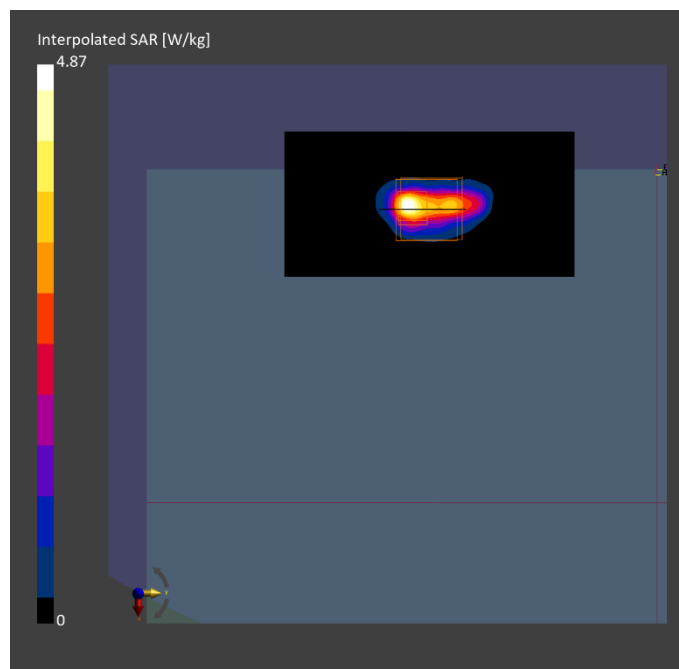
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) 1211	HSL3-6GHz	EX3DV4 - SN3927, 2023-06-26	DAE4 Sn1379, 2023-06-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 102.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-12-01	2023-12-01
psSAR1g [W/kg]	0.602	0.723
psSAR10g [W/kg]	0.161	0.160
Power Drift [dB]	0.99	-0.17
M2/M1 [%]		50.9
Dist 3dB Peak [mm]		4.8



**09_Measurement Report for Device, FRONT, U-NII-5, UID 10755 AAC, Channel 47 (6185.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	359.0 x 234.0 x 11.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-5	WLAN, 10755-AAC	6185.0, 47	1.0

Hardware Setup

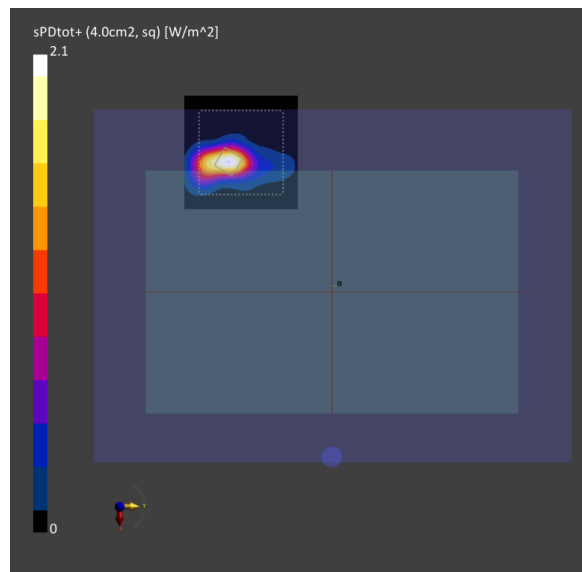
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.77
psPDtot+ [W/m ²]	2.09
psPDmod+ [W/m ²]	2.55
E _{max} [V/m]	47.9
Power Drift [dB]	0.57



**10_ Measurement Report for Device, FRONT, U-NII-6, UID 10755 AAC, Channel 111 (6505.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	359.0 x 234.0 x 11.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	1.0

Hardware Setup

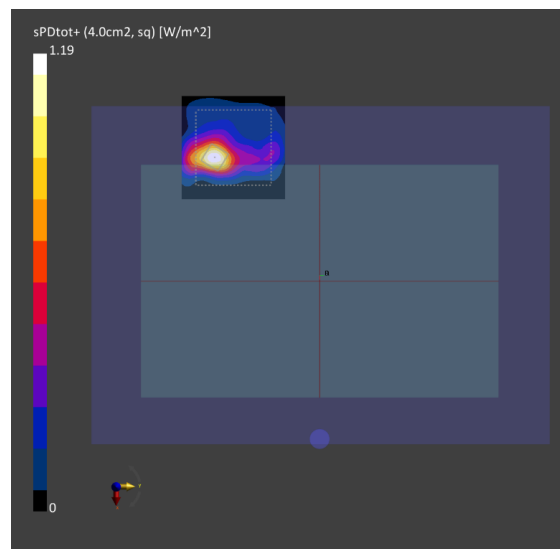
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.08
psPDtot+ [W/m ²]	1.19
psPDmod+ [W/m ²]	1.42
E _{max} [V/m]	33.8
Power Drift [dB]	-0.96



**11_Measurement Report for Device, FRONT, U-NII-7, UID 10755 AAC, Channel 175 (6825.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	359.0 x 234.0 x 11.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-7	WLAN, 10755-AAC	6825.0, 175	1.0

Hardware Setup

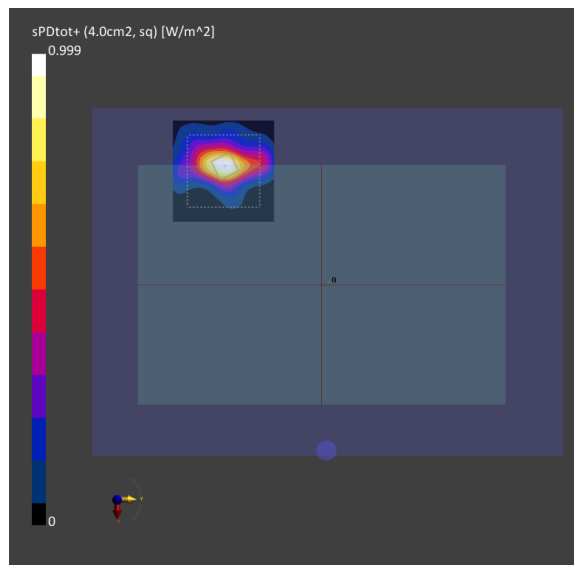
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

	5G Scan
Date	2023-12-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	0.891
psPDtot+ [W/m ²]	0.989
psPDmod+ [W/m ²]	1.11
E _{max} [V/m]	30.1
Power Drift [dB]	-1.29



**12_ Measurement Report for Device, FRONT, U-NII-8, UID 10755 AAC, Channel 207 (6985.0MHz)****Device under Test Properties**

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 10GDevice	359.0 x 234.0 x 11.0		

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-8	WLAN, 10755-AAC	6985.0, 207	1.0

Hardware Setup

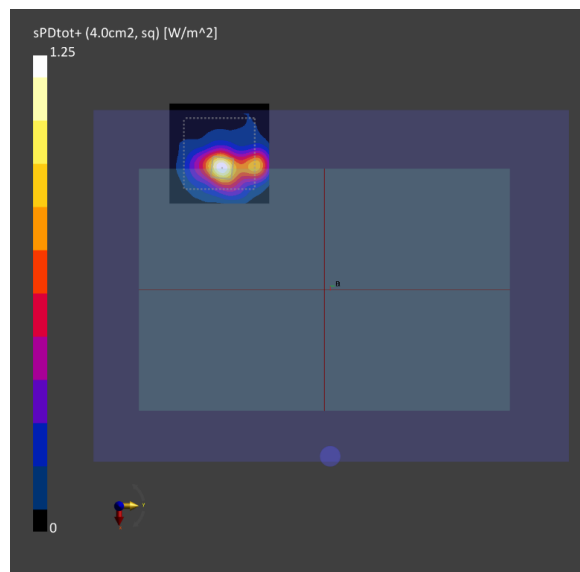
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave-1094	Air---	EUmmWV4 - SN9403_F1-55GHz, 2022-12-07	DAE4 Sn1379, 2023-06-16

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results

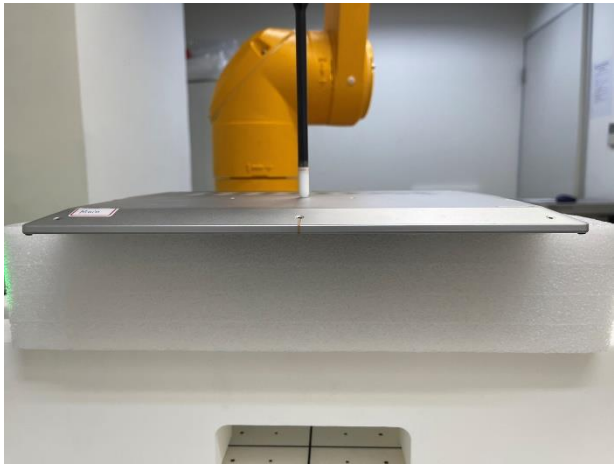
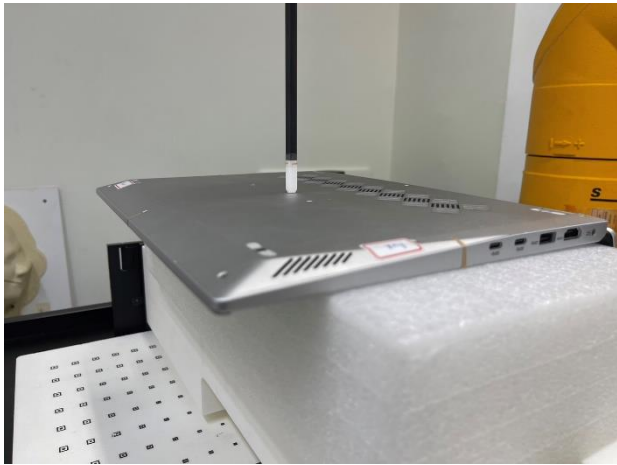
	5G Scan
Date	2023-12-04
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.16
psPDtot+ [W/m ²]	1.25
psPDmod+ [W/m ²]	1.29
E _{max} [V/m]	28.4
Power Drift [dB]	-0.88





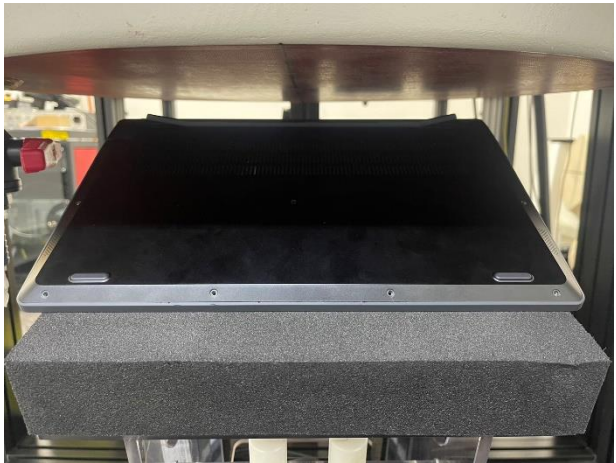
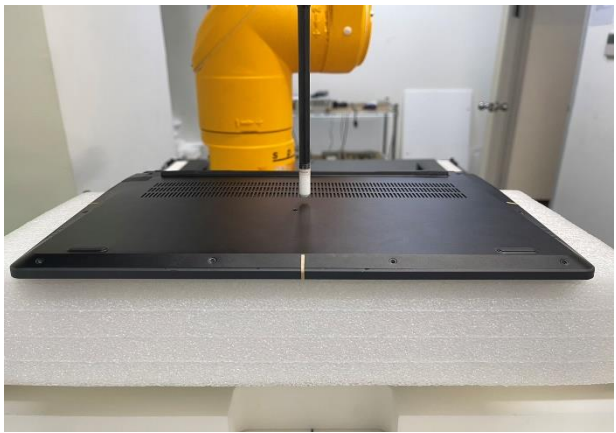
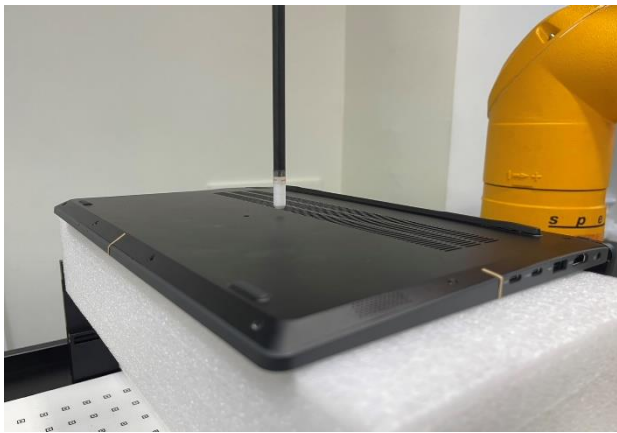
Appendix E. Photographs of EUT Set up

<CRIUS CO310-G1>

Bottom of Laptop_0mm 1	Bottom of Laptop_0mm 2
	
Bottom of Laptop_2mm	Bottom of Laptop_2mm
	

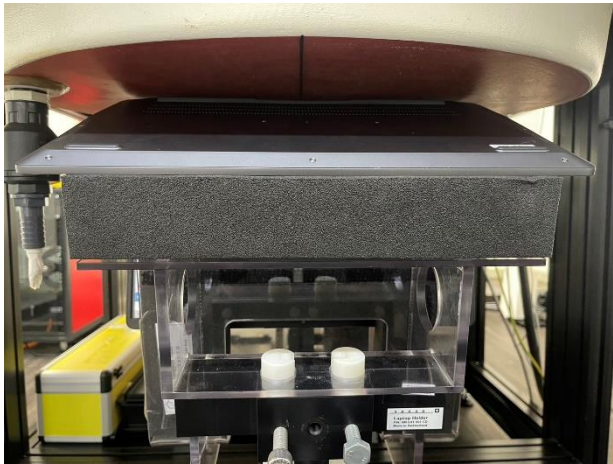
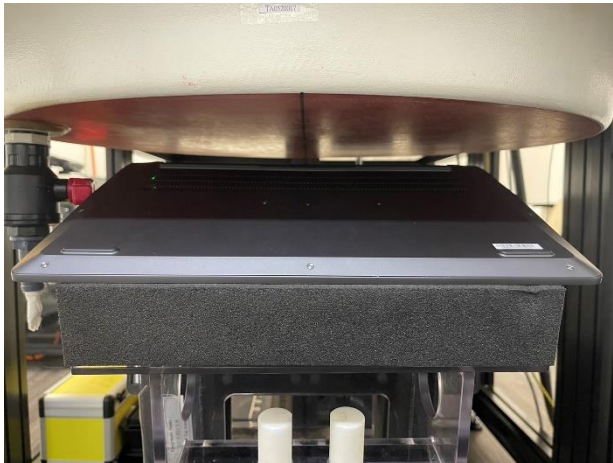


<CRIUS N310-G1>

Bottom of Laptop_0mm 1	Bottom of Laptop_0mm 2
	
Back of Display Screen_25mm 1	Back of Display Screen_25mm 2
	
Bottom of Laptop_2mm 1	Bottom of Laptop_2mm 2
	



<CRIUS N320-G1>

Bottom of Laptop_0mm 1	Bottom of Laptop_0mm 2
	
Back of Display Screen_25mm 1	Back of Display Screen_25mm 2
	
Bottom of Laptop_2mm 1	Bottom of Laptop_2mm 2
