

Appendix B

WIFI 2.4G SAR
WIFI 5G SAR
WIFI 6G SAR
BT SAR
WIFI 6G PD

Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 20.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	WLAN 2.4GHz	WLAN, 10012-CAB	2412.000, 1	7.84	1.73	39.1

Hardware Setup

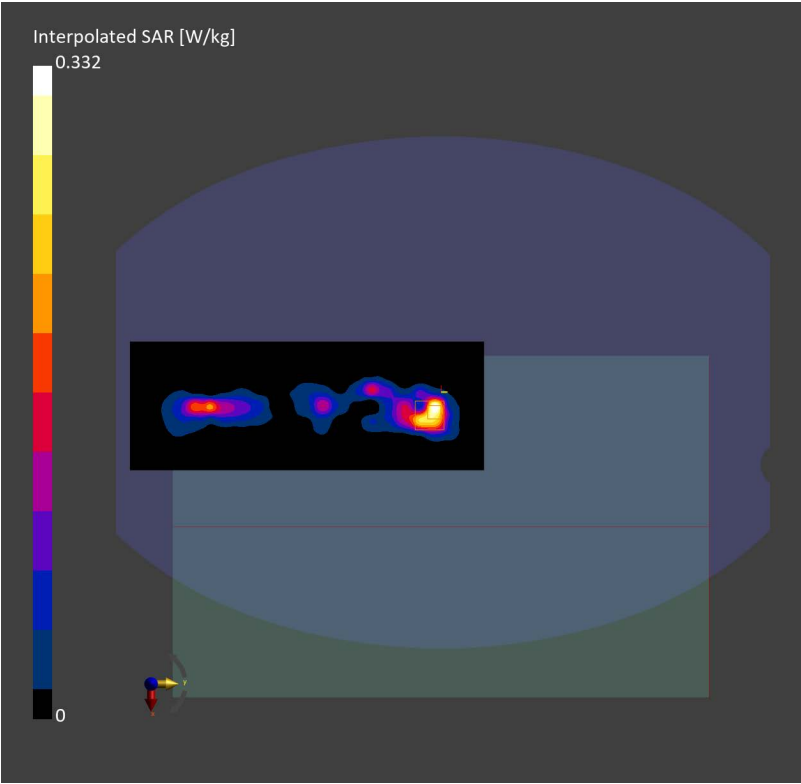
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2222	HSL2450	EX3DV4 – SN7383, 2025-03-14	DAE4ip Sn1846, 2024-12-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 260.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	N/A	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-26, 19:32	2025-08-26, 19:37
psSAR1g [W/Kg]	0.233	0.321
psSAR10g [W/Kg]	0.107	0.112
Power Drift [dB]	0.06	0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		36.9
Dist 3dB Peak [mm]		5.7



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 20.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	WLAN 5GHz	WLAN, 10062-CAE	5260.000, 52	5.25	4.72	36.3

Hardware Setup

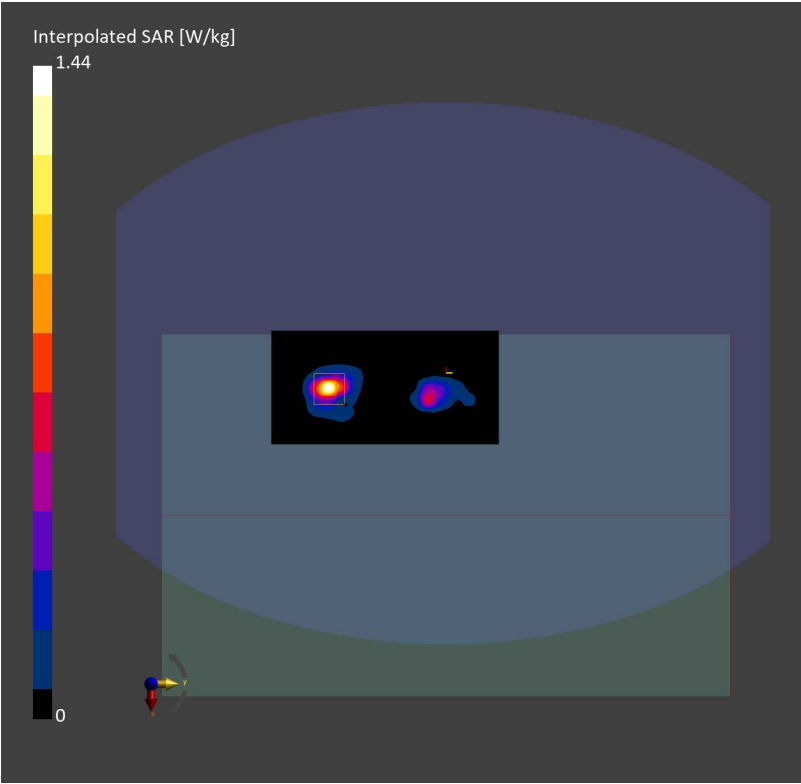
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2222	HSL5GHz	EX3DV4 - SN7858, 2025-01-15	DAE4ip Sn1846, 2024-12-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-22, 17:10	2025-07-22, 17:17
psSAR1g [W/Kg]	0.882	0.998
psSAR10g [W/Kg]	0.256	0.274
Power Drift [dB]	0.06	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.6
Dist 3dB Peak [mm]		4.8



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 20.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	WLAN 5GHz	WLAN, 10062-CAE	5580.000, 116	4.65	5.09	35.4

Hardware Setup

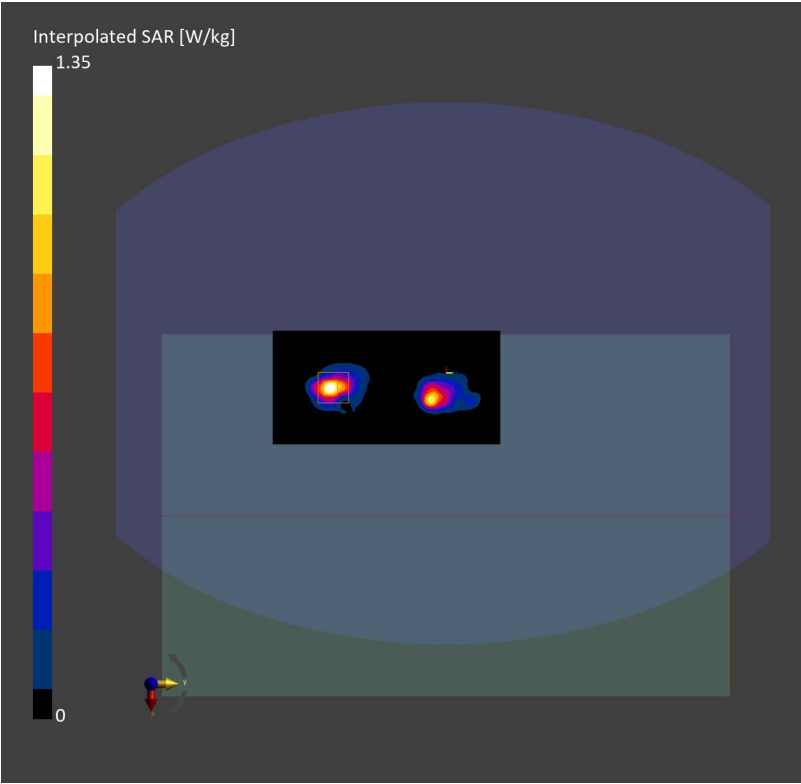
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2222	HSL5GHz	EX3DV4 – SN7858, 2025-01-15	DAE4ip Sn1846, 2024-12-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	N/A
Surface Detection	VMS	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-22, 19:13	2025-07-22, 19:20
psSAR1g [W/Kg]	0.858	1.01
psSAR10g [W/Kg]	0.246	0.266
Power Drift [dB]	0.03	-0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.3
Dist 3dB Peak [mm]		4.9



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 20.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	WLAN 5GHz	WLAN, 10062-CAE	5745.000, 149	4.75	5.35	35.0

Hardware Setup

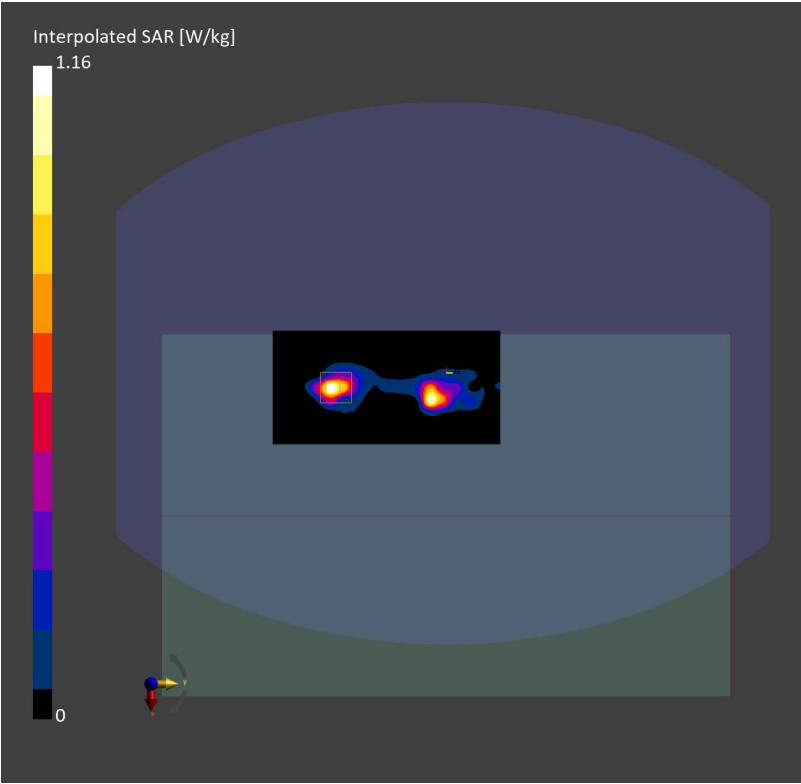
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2222	HSL5GHz	EX3DV4 - SN7858, 2025-01-15	DAE4ip Sn1846, 2024-12-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 2.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	N/A
Surface Detection	VMS	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-22, 22:15	2025-07-22, 22:23
psSAR1g [W/Kg]	0.764	0.909
psSAR10g [W/Kg]	0.222	0.234
Power Drift [dB]	-0.11	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		50.0
Dist 3dB Peak [mm]		5.4



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 20.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 0.00	U-NII-8	WLAN, 10743-AAC	6985.000, 207	5.45	6.72	33.5

Hardware Setup

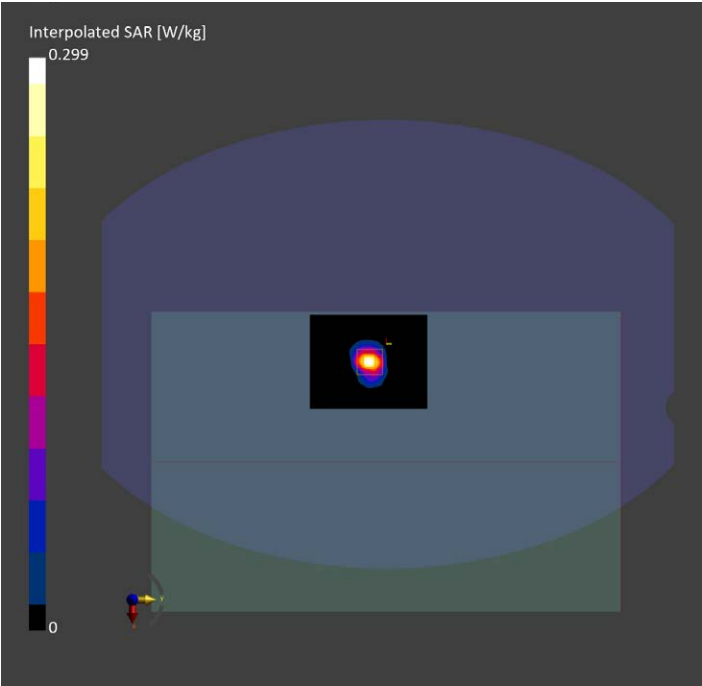
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2222	HSL6.5GHz	EX3DV4 – SN7858, 2025-02-20	DAE4ip Sn1846, 2024-12-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 90.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-19, 16:06	2025-07-19, 16:12
psSAR1g [W/kg]	0.226	0.225
psSAR10g [W/kg]	0.069	0.067
psAPD (1.0cm2, sq) [W/m2]		2.25
psAPD (4.0cm2, sq) [W/m2]		1.53
Power Drift [dB]	0.14	0.07
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		49.8
Dist 3dB Peak [mm]		7.4



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 20.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, Head Simulating Liquid	BACK, 0.00	U-NII-8	WLAN, 10743-AAC	6985.000, 207	5.45	6.72	33.5

Hardware Setup

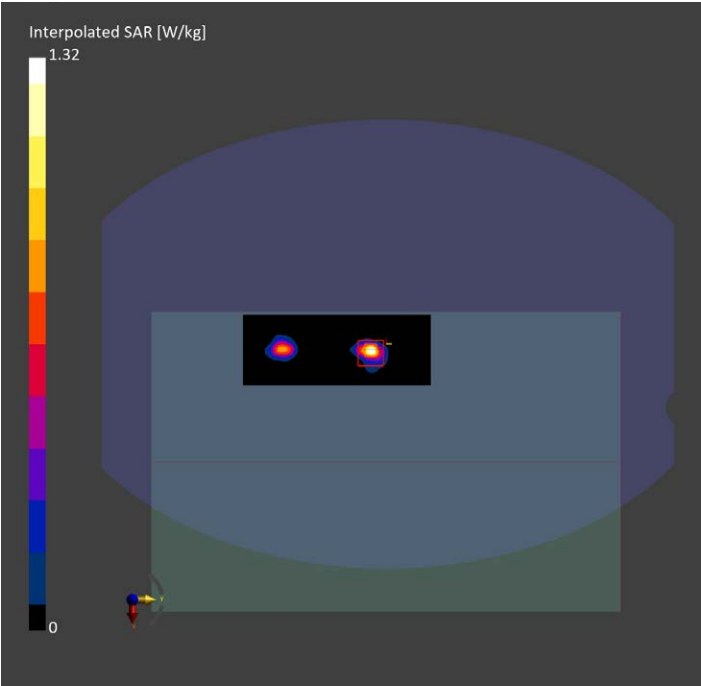
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2222	HSL6.5GHz	EX3DV4 – SN7858, 2025-02-20	DAE4ip Sn1846, 2024-12-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 160.0	24.0 x 24.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	4.0 x 4.0 x 1.4
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4
MAIA	Y	Y
Surface Detection	VMS	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-07-19, 17:58	2025-07-19, 18:07
psSAR1g [W/kg]	0.231	0.228
psSAR10g [W/kg]	0.056	0.057
psAPD (1.0cm2, sq) [W/m2]		2.28
psAPD (4.0cm2, sq) [W/m2]		1.34
Power Drift [dB]	0.06	-0.05
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		42.0
Dist 3dB Peak [mm]		5.6



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 20.0

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.000, 39	7.84	1.77	39.1

Hardware Setup

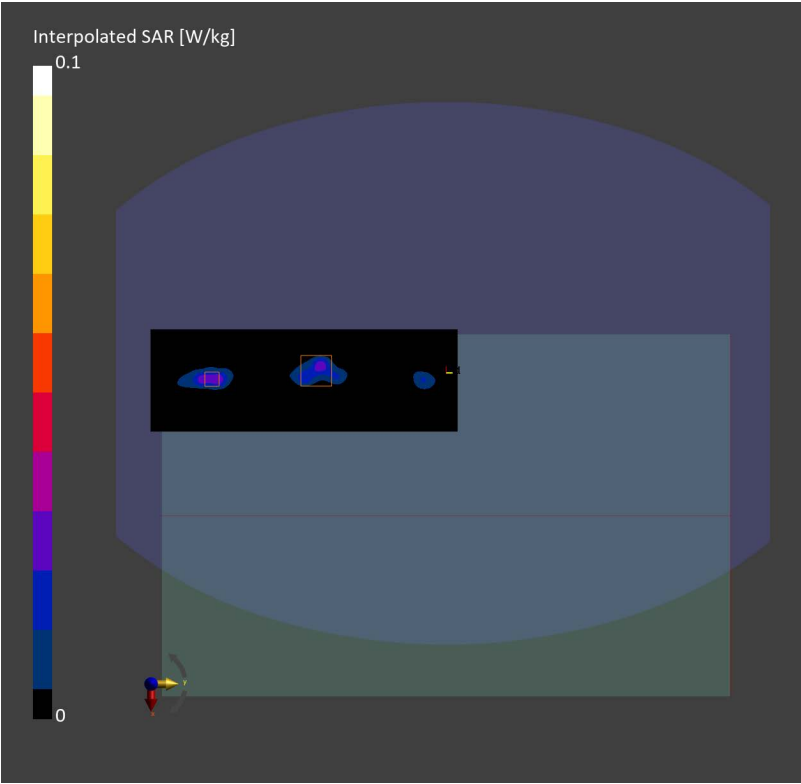
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2222	HSL2450	EX3DV4 – SN7383, 2025-03-14	DAE4ip Sn1846, 2024-12-10

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 216.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	5.0 x 5.0 x 5.0
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5
MAIA	Y	Y
Surface Detection	VMS	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-08-26, 18:55	2025-08-26, 19:01
psSAR1g [W/Kg]	0.023	0.021
psSAR10g [W/Kg]	0.008	0.005
Power Drift [dB]	-0.07	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		43.2
Dist 3dB Peak [mm]		5.2



Device Under Test Properties

Model	Dimensions [mm]	IMEI	DUT Type
ARN79	400.0 x 255.0 x 18.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-8	WLAN, 10743-AAC	6985.0, 207	1.0

Hardware Setup

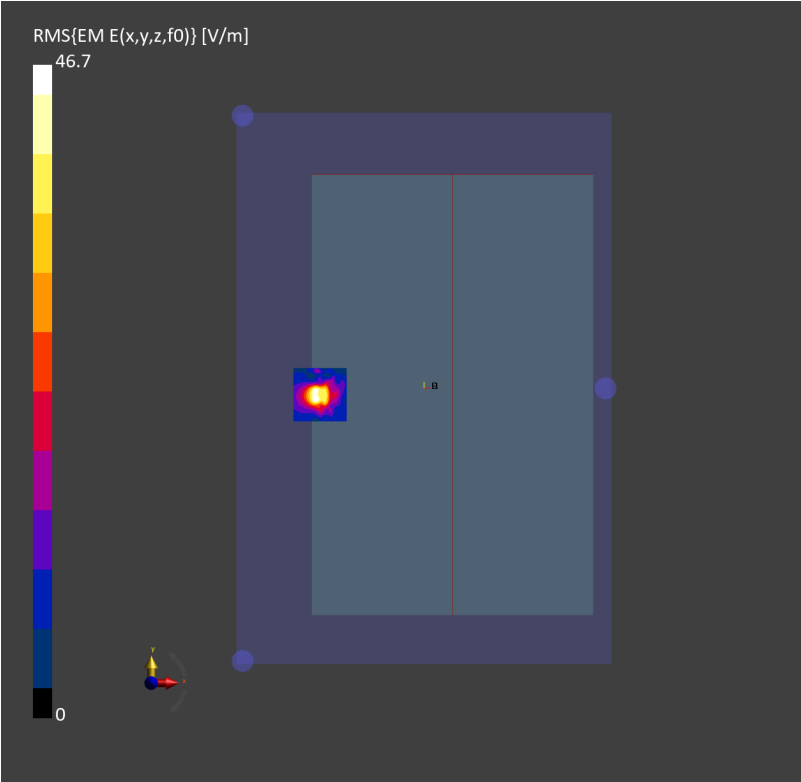
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1121	Air -	EUmmWV4 - SN9499_F1-55GHz, 2024-12-06	DAE4ip Sn1847, 2024-12-31

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	40.0 x 40.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2025-07-23, 11:20
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.65
psPDtot+ [W/m ²]	2.18
psPDmod+ [W/m ²]	2.66
E _{max} [V/m]	46.7
Power Drift [dB]	-0.12



Device Under Test Properties

Model	Dimensions [mm]	IMEI	DUT Type
ARN79	400.0 x 255.0 x 18.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-8	WLAN, 10743-AAC	6985.0, 207	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave – 1121	Air –	EUmmWV4 – SN9499_F1–55GHz, 2024–12–06	DAE4ip Sn1847, 2024–12–31

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	40.0 x 130.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2025-07-23, 10:13
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.00
psPDtot+ [W/m ²]	1.30
psPDmod+ [W/m ²]	1.50
E _{max} [V/m]	35.5
Power Drift [dB]	0.13

