

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 18.0

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	WLAN 2.4GHz	WLAN, 10012-CAB	2412.000, 1	7.84	1.79	39.3

Hardware Setup

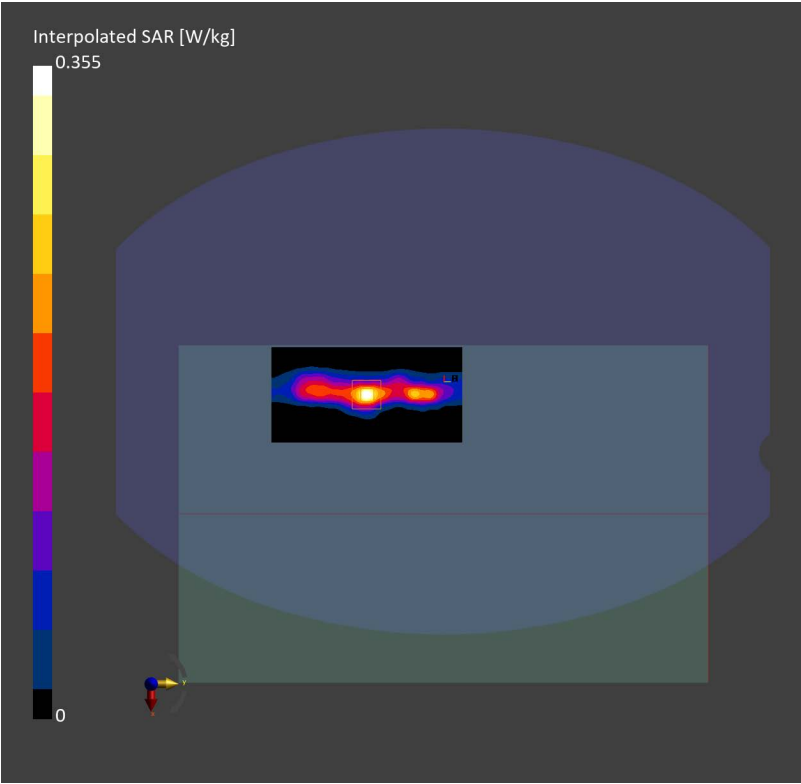
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2227	HSL2450	EX3DV4 – SN7383, 2025-03-14	DAE4ip Sn1847, 2024-12-31

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 140.0	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	2025-11-01, 08:36	2025-11-01, 08:41
psSAR1g [W/Kg]	0.253	0.247
psSAR10g [W/Kg]	0.108	0.102
Power Drift [dB]	-0.01	-0.03
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		39.4
Dist 3dB Peak [mm]		7.7



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 18.0

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	WLAN 5GHz	WLAN, 10583-AAD	5260.000, 52	5.25	4.76	36.5

Hardware Setup

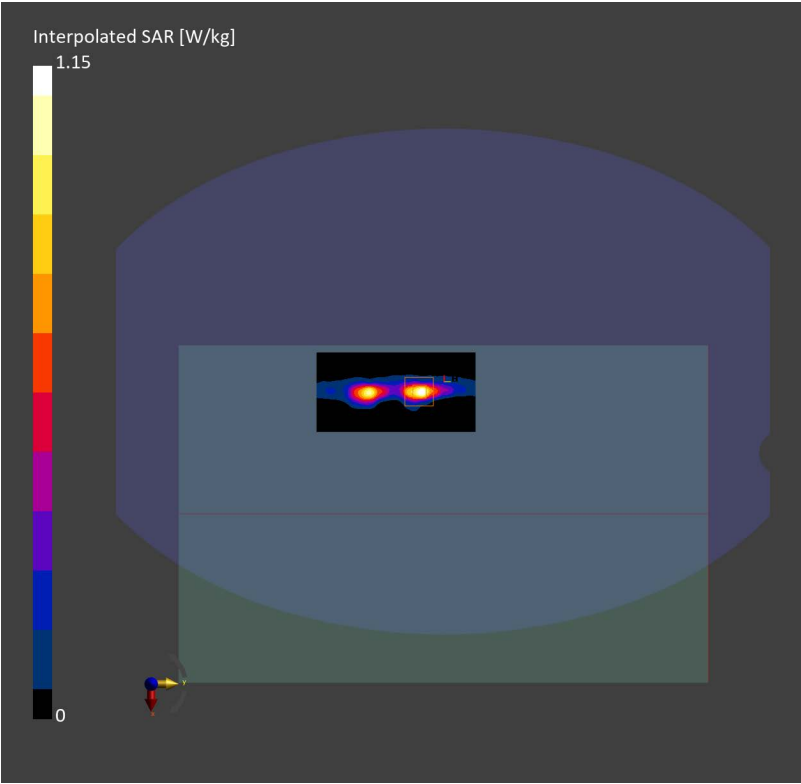
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2227	HSL5GHz	EX3DV4 – SN7858, 2025-01-15	DAE4ip Sn1847, 2024-12-31

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 120.0	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	2025-11-07, 19:42	2025-11-07, 19:48
psSAR1g [W/Kg]	0.705	0.789
psSAR10g [W/Kg]	0.197	0.204
Power Drift [dB]	-0.01	-0.17
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.1
Dist 3dB Peak [mm]		5.7



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 18.0

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	WLAN 5GHz	WLAN, 10583-AAD	5580.000, 116	4.65	5.13	35.6

Hardware Setup

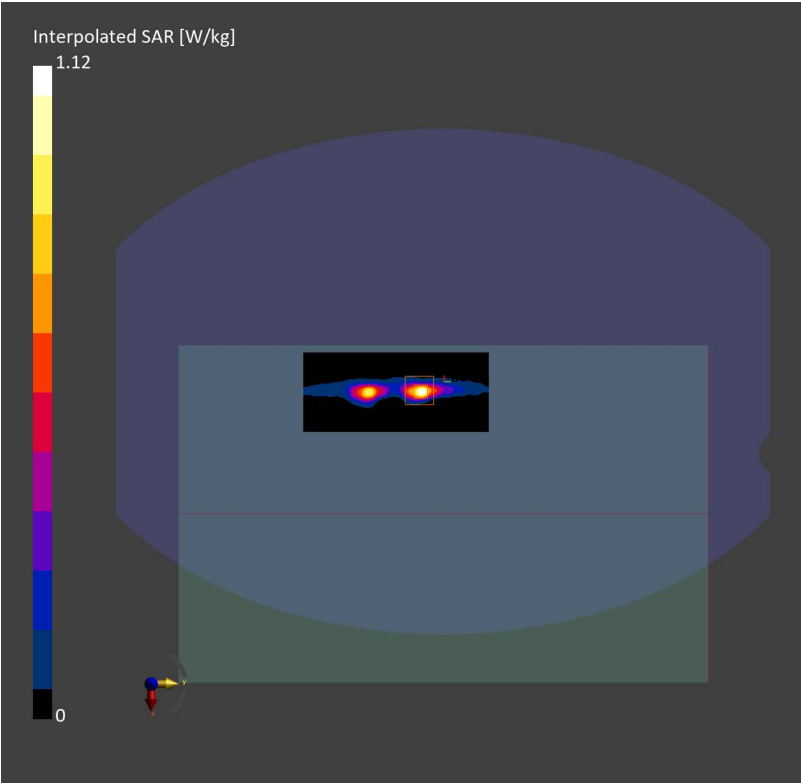
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2227	HSL5GHz	EX3DV4 – SN7858, 2025-01-15	DAE4ip Sn1847, 2024-12-31

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	50.0 x 140.0	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	2025-11-07, 20:26	2025-11-07, 20:33
psSAR1g [W/Kg]	0.669	0.690
psSAR10g [W/Kg]	0.168	0.165
Power Drift [dB]	-0.10	-0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.4
Dist 3dB Peak [mm]		5.7



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 18.0

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	WLAN 5GHz	WLAN, 10583-AAD	5825.000, 165	4.75	5.49	35.1

Hardware Setup

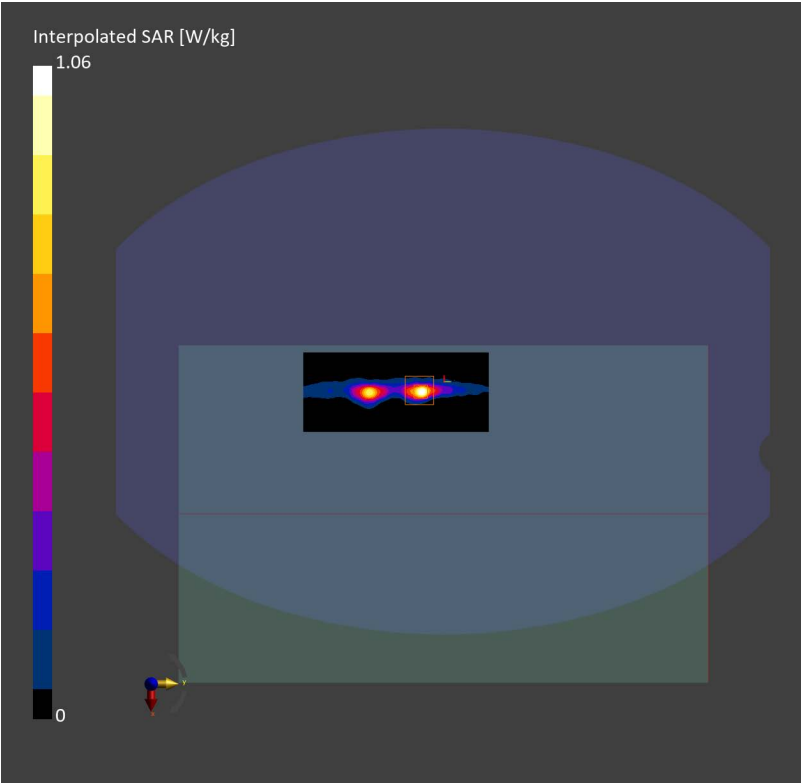
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2227	HSL5GHz	EX3DV4 – SN7858, 2025-01-15	DAE4ip Sn1847, 2024-12-31

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 140.0	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	2025-11-07, 10:52	2025-11-07, 11:00
psSAR1g [W/Kg]	0.627	0.689
psSAR10g [W/Kg]	0.153	0.158
Power Drift [dB]	-0.03	0.02
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		52.9
Dist 3dB Peak [mm]		5.4



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 18.0

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-6	WLAN, 10755-AAC	6505.000, 111	5.45	6.06	34.6

Hardware Setup

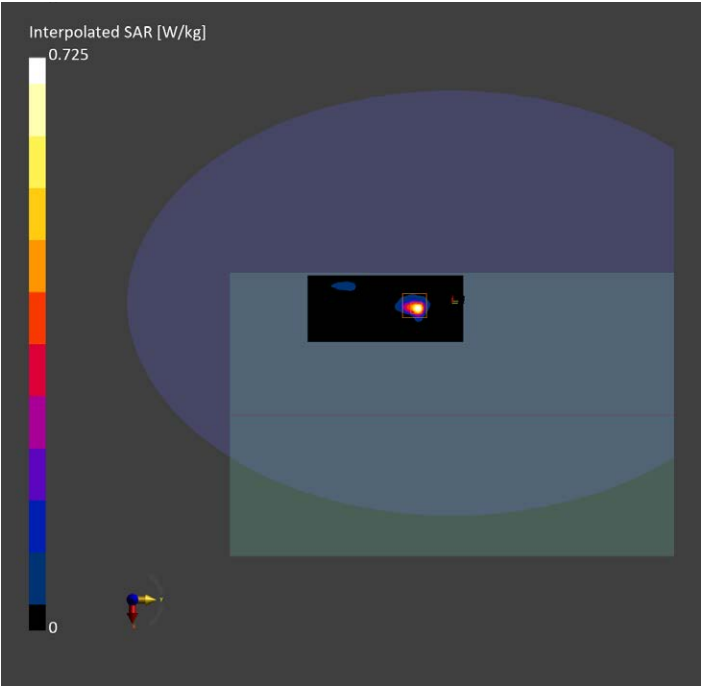
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2227	HSL6.5GHz	EX3DV4 – SN7858, 2025-02-20	DAE4ip Sn1847, 2024-12-31

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	50.0 x 130.0	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	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-10-31, 18:15	2025-10-31, 18:22
psSAR1g [W/kg]	0.436	0.519
psSAR10g [W/kg]	0.095	0.104
psAPD (1.0cm2, sq) [W/m2]		5.19
psAPD (4.0cm2, sq) [W/m2]		2.50
Power Drift [dB]	0.11	0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		54.0
Dist 3dB Peak [mm]		4.6



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 18.0

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-5	WLAN, 10755-AAC	6025.000, 15	5.45	5.46	35.9

Hardware Setup

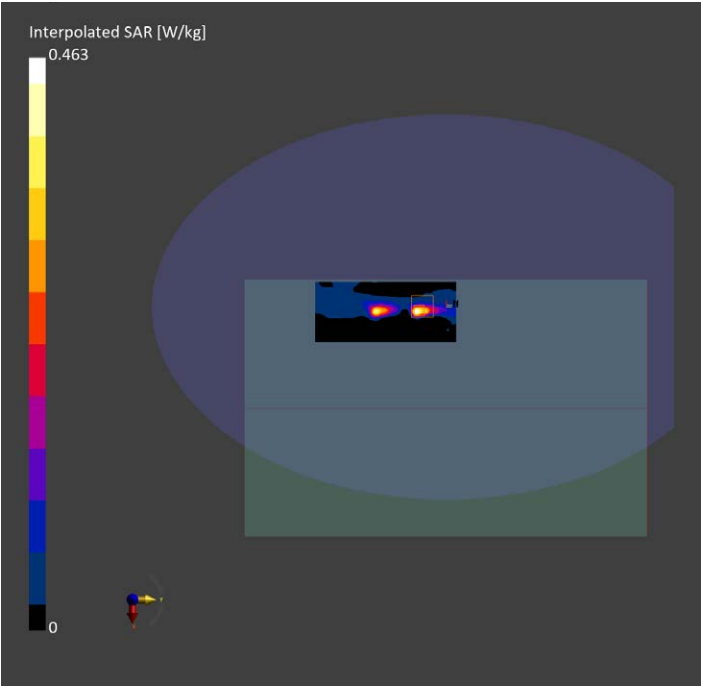
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2227	HSL6.5GHz	EX3DV4 – SN7858, 2025-02-20	DAE4ip Sn1847, 2024-12-31

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	50.0 x 130.0	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	2025-10-31, 17:34	2025-10-31, 17:41
psSAR1g [W/kg]	0.273	0.266
psSAR10g [W/kg]	0.066	0.056
psAPD (1.0cm2, sq) [W/m2]		2.66
psAPD (4.0cm2, sq) [W/m2]		1.37
Power Drift [dB]	0.19	0.09
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		63.8
Dist 3dB Peak [mm]		4.6



Device Under Test Properties

Model	Dimensions [mm]
Device	400.0 x 255.0 x 18.0

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	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.000, 39	7.84	1.82	39.3

Hardware Setup

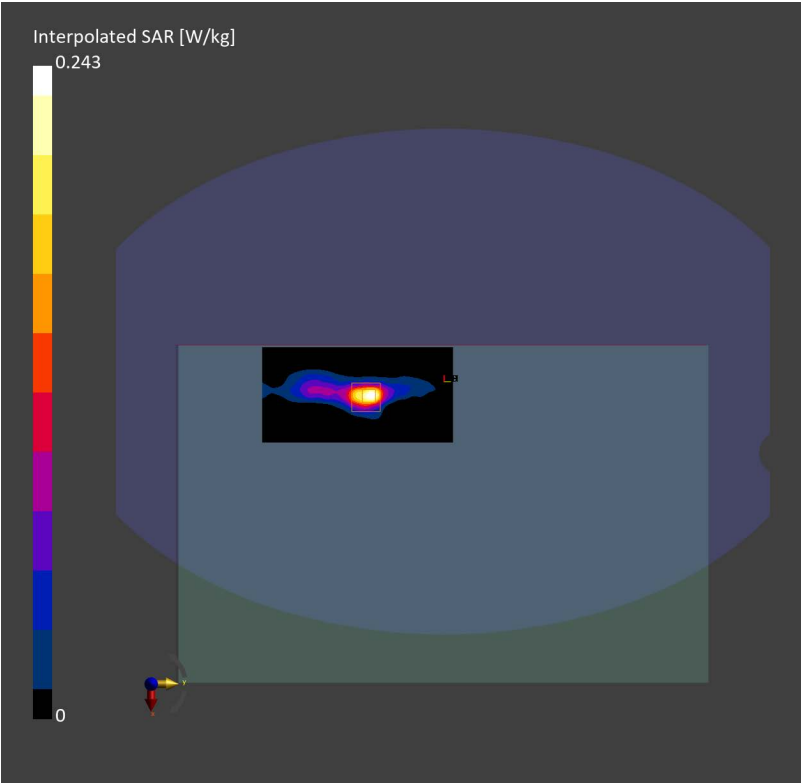
Phantom	TSL	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) – 2227	HSL2450	EX3DV4 – SN7383, 2025-03-14	DAE4ip Sn1847, 2024-12-31

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	50.0 x 130.0	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	N/A
Surface Detection	VMS + 6p	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2025-11-01, 09:42	2025-11-01, 09:47
psSAR1g [W/Kg]	0.177	0.189
psSAR10g [W/Kg]	0.073	0.065
Power Drift [dB]	-0.00	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		45.4
Dist 3dB Peak [mm]		5.9



Measurement Report for Device, BACK, U-NII-5, IEEE 802.11ax (160MHz, MCS0), Channel 15 (6025.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	400.0 x 255.0 x 18.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	1.0

Hardware Setup

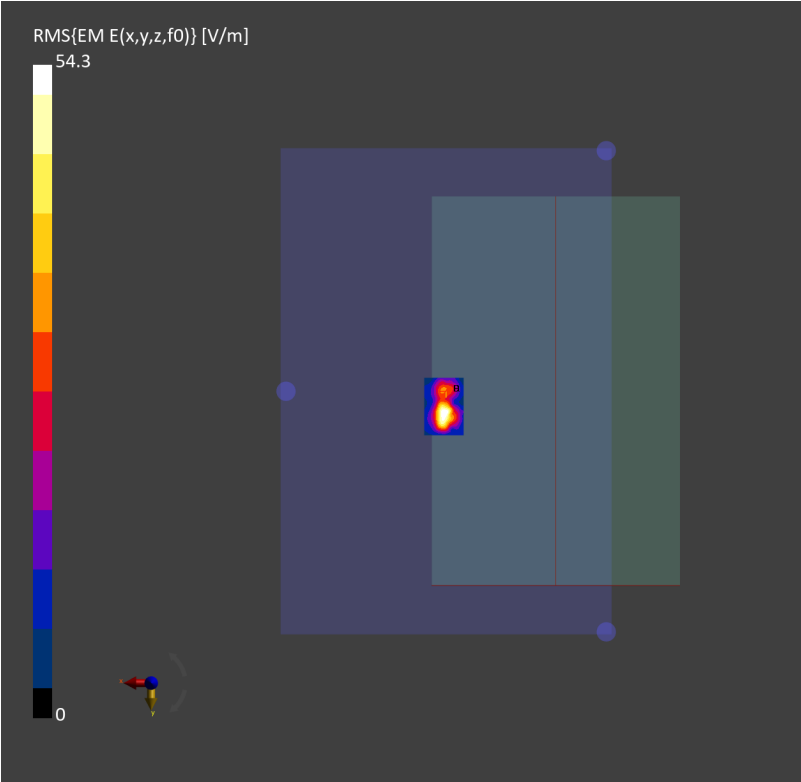
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - 1121	Air -	EUmmWV4 - SN9499_F1-55GHz, 2024-12-06	DAE4ip Sn1847, 2024-12-31

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	35.0 x 55.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2025-11-06, 10:55
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.72
psPDtot+ [W/m ²]	3.95
psPDmod+ [W/m ²]	4.71
E _{max} [V/m]	54.3
Power Drift [dB]	0.08



Measurement Report for Device, BACK, U-NII-5, IEEE 802.11ax (160MHz, MCS0), Channel 15 (6025.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	400.0 x 255.0 x 18.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-5	WLAN, 10755-AAC	6025.0, 15	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]	45.0 x 100.0
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2025-11-06, 16:05
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.48
psPDtot+ [W/m ²]	2.56
psPDmod+ [W/m ²]	3.38
E _{max} [V/m]	43.6
Power Drift [dB]	-0.16

