

SAR Test Result

Worst plots: AUX Antenna, Test Position: Screen

Measurement Report for 16Z90TP, SCREEN, U-NII-5, UID 11026 AAB, Channel 31 (6105.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
16Z90TP,	360.0 x 255.0 x 15.0		Laptop

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	SCREEN, 5.00	U-NII-5	WLAN, 11026-AAB	6105.000, 31	5.1	5.49	35.7

Hardware Setup

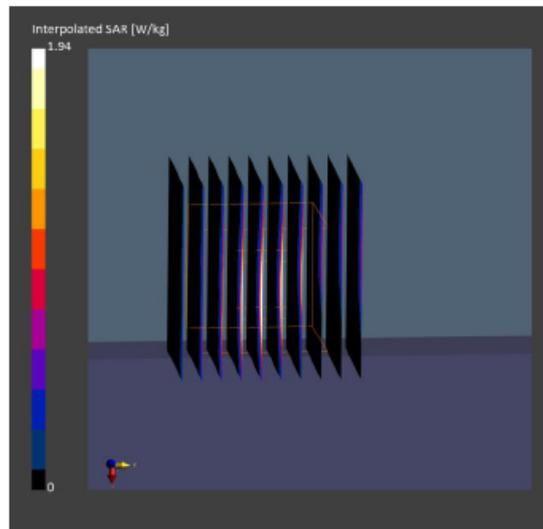
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1170	HSL6.5G , --	EX3DV4 - SN3887, 2023-10-26	DAE4 Sn1337, 2024-03-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 140.0	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
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	2024-09-27	2024-09-27
psSAR1g [W/kg]	0.318	0.414
psSAR10g [W/kg]	0.098	0.112
psAPD (1.0cm2, sq) [W/m2]		4.14
psAPD (4.0cm2, sq) [W/m2]		2.59
Power Drift [dB]	0.05	-0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.7
Dist 3dB Peak [mm]		5.2



Worst plots: AUX Antenna, Test Position: Bottom

Measurement Report for 16Z90TP, BOTTOM, U-NII-5, UID 11026 AAB, Channel 95 (6425.000MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
16Z90TP,	360.0 x 255.0 x 15.0		Laptop

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	BOTTOM, 0.00	U-NII-5	WLAN, 11026-AAB	6425.000, 95	5.1	5.90	35.0

Hardware Setup

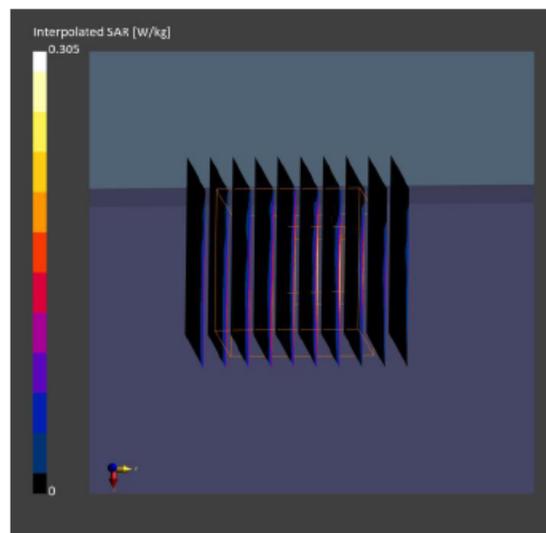
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V5.0 (20deg probe tilt) - 1170	HSL6.5G , --	EX3DV4 - SN3887, 2023-10-26	DAE4 Sn1337, 2024-03-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 140.0	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
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	2024-09-27	2024-09-27
psSAR1g [W/kg]	0.057	0.072
psSAR10g [W/kg]	0.019	0.024
psAPD (1.0cm2, sq) [W/m2]		0.715
psAPD (4.0cm2, sq) [W/m2]		0.544
Power Drift [dB]	0.47	-0.34
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		60.5
Dist 3dB Peak [mm]		7.8



Power Density Test Result

Antenna-AUX

Measurement Report for 16Z90TP, SCREEN, U-NII-5, UID 11026 AAA, Channel 31 (6105.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 16Z90TP	360.0 x 255.0 x 15.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	SCREEN, 2.00	U-NII-5	WLAN, 11026-AAA	6105.0, 31	1.0

Hardware Setup

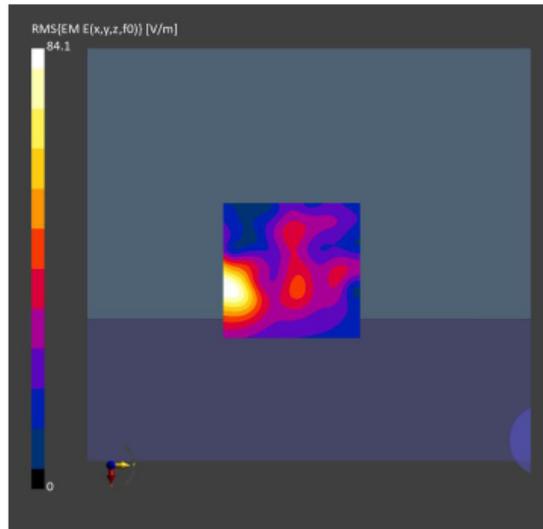
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1059	---Air	EUmmWV4 - SN9544_F1-55GHz, 2024-04-16	DAE4 Sn1337, 2024-03-15

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-10-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.19
psPDtot+ [W/m ²]	3.21
psPDmod+ [W/m ²]	7.96
E _{max} [V/m]	84.1
Power Drift [dB]	0.12



Measurement Report for 16Z90TP, SCREEN, Custom Band, UID 11026 AAA, Channel 6425000 (6425.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 16Z90TP	360.0 x 255.0 x 15.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	SCREEN, 2.00	Custom Band	CW, 11026-AAA	6425.0, 6425000	1.0

Hardware Setup

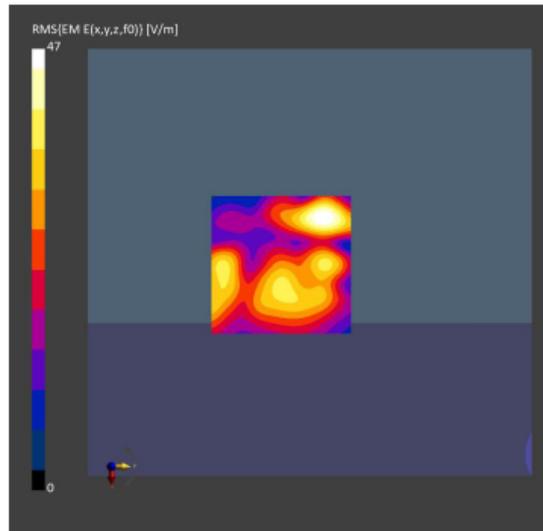
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1059	---Air	EUmmWV4 - SN9544_F1-55GHz, 2024-04-16	DAE4 Sn1337, 2024-03-15

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-10-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.28
psPDtot+ [W/m ²]	2.25
psPDmod+ [W/m ²]	2.93
E _{max} [V/m]	47.0
Power Drift [dB]	0.12



Measurement Report for 16Z90TP, SCREEN, U-NII-7, UID 11026 AAA, Channel 127 (6585.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 16Z90TP	360.0 x 255.0 x 15.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	SCREEN, 2.00	U-NII-7	WLAN, 11026-AAA	6585.0, 127	1.0

Hardware Setup

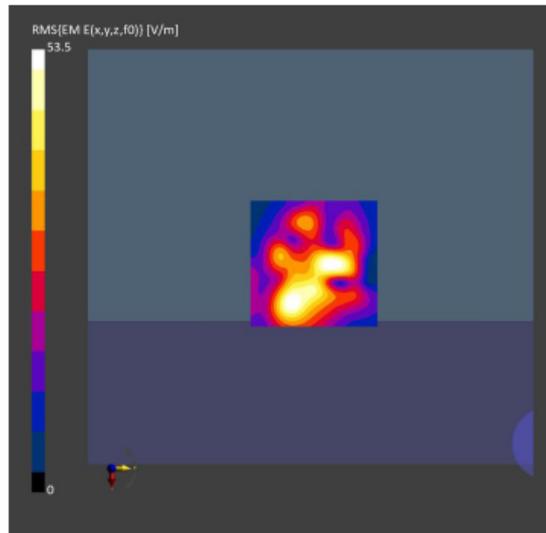
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1059	---Air	EUmmWV4 - SN9544_F1-55GHz, 2024-04-16	DAE4 Sn1337, 2024-03-15

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-10-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.40
psPDtot+ [W/m ²]	2.42
psPDmod+ [W/m ²]	4.38
E _{max} [V/m]	53.5
Power Drift [dB]	-0.08



Measurement Report for 16Z90TP, SCREEN, U-NII-7, UID 11026 AAA, Channel 159 (6745.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 16Z90TP	360.0 x 255.0 x 15.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	SCREEN, 2.00	U-NII-7	WLAN, 11026-AAA	6745.0, 159	1.0

Hardware Setup

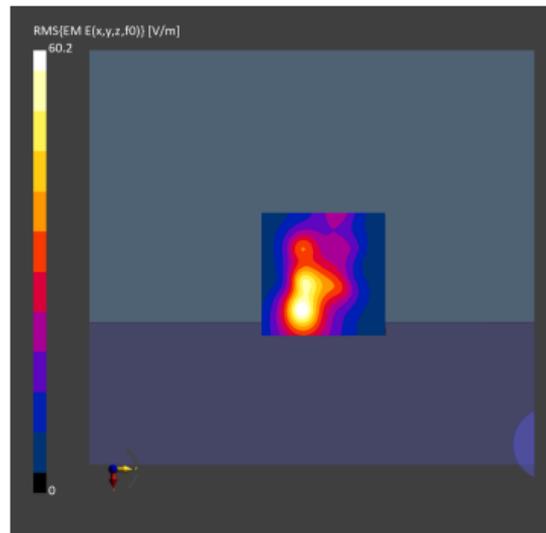
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1059	---Air	EUmmWV4 - SN9544_F1-55GHz, 2024-04-16	DAE4 Sn1337, 2024-03-15

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-10-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.10
psPDtot+ [W/m ²]	2.03
psPDmod+ [W/m ²]	3.59
E _{max} [V/m]	60.2
Power Drift [dB]	-0.17



Measurement Report for 16Z90TP, SCREEN, U-NII-8, UID 11026 AAA, Channel 191 (6905.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 16Z90TP	360.0 x 255.0 x 15.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	SCREEN, 2.00	U-NII-8	WLAN, 11026-AAA	6905.0, 191	1.0

Hardware Setup

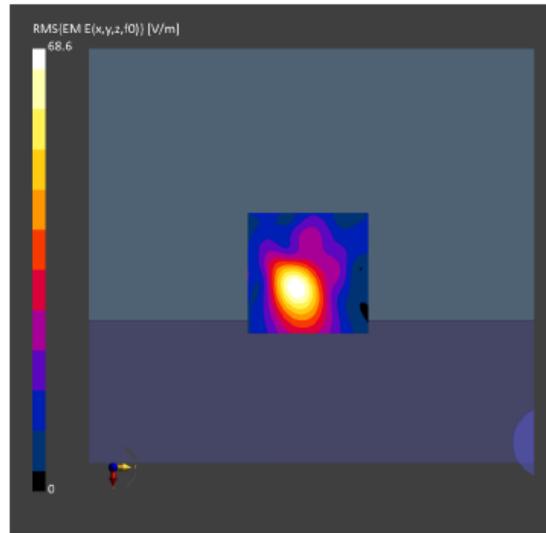
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1059	---Air	EUmmWV4 - SN9544_F1-55GHz, 2024-04-16	DAE4 Sn1337, 2024-03-15

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-10-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.57
psPDtot+ [W/m ²]	2.90
psPDmod+ [W/m ²]	4.96
E _{max} [V/m]	68.6
Power Drift [dB]	0.01



Antenna-Main

Measurement Report for 16Z90TP, SCREEN, U-NII-5, UID 11026 AAA, Channel 31 (6105.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 16Z90TP	360.0 x 255.0 x 15.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	SCREEN, 2.00	U-NII-5	WLAN, 11026-AAA	6105.0, 31	1.0

Hardware Setup

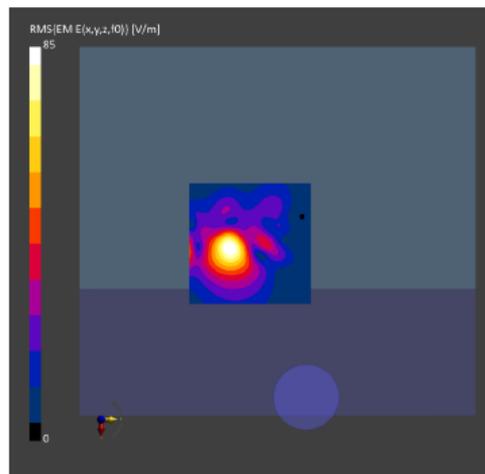
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1059	---Air	EUmmWV4 - SN9544_F1-55GHz, 2024-04-16	DAE4 Sn1337, 2024-03-15

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-10-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.20
psPDtot+ [W/m ²]	1.91
psPDmod+ [W/m ²]	6.09
E _{max} [V/m]	85.0
Power Drift [dB]	-0.11



Measurement Report for 16Z90TP, SCREEN, Custom Band, UID 11026 AAA, Channel 6425000 (6425.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 16Z90TP	360.0 x 255.0 x 15.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	SCREEN, 2.00	Custom Band	CW, 11026-AAA	6425.0, 6425000	1.0

Hardware Setup

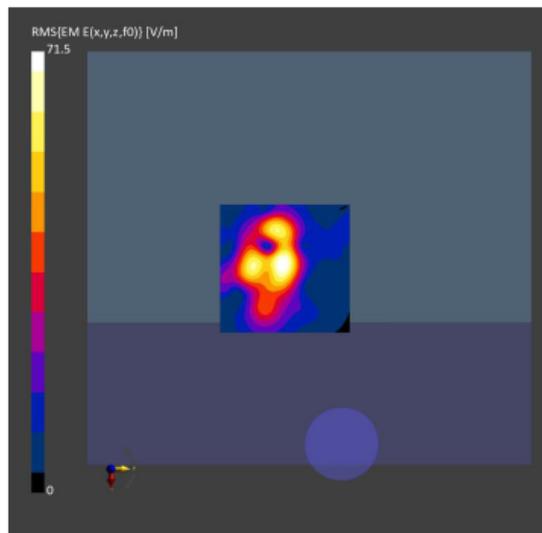
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1059	---Air	EUmmWV4 - SN9544_F1-55GHz, 2024-04-16	DAE4 Sn1337, 2024-03-15

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-10-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.28
psPDtot+ [W/m ²]	2.47
psPDmod+ [W/m ²]	9.05
E _{max} [V/m]	71.5
Power Drift [dB]	0.46



Measurement Report for 16Z90TP, SCREEN, U-NII-7, UID 11026 AAA, Channel 127 (6585.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 16Z90TP	360.0 x 255.0 x 15.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	SCREEN, 2.00	U-NII-7	WLAN, 11026-AAA	6585.0, 127	1.0

Hardware Setup

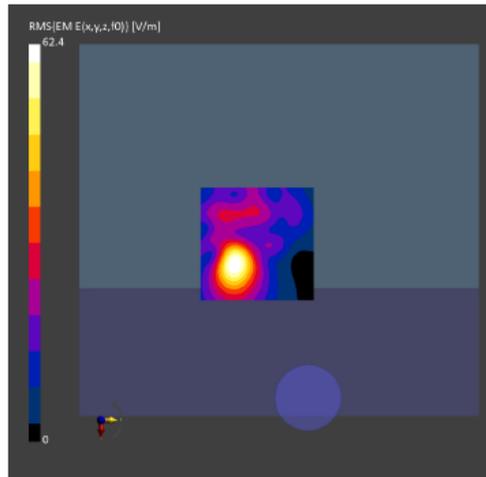
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1059	---Air	EUmmWV4 - SN9544_F1-55GHz, 2024-04-16	DAE4 Sn1337, 2024-03-15

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-10-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	1.25
psPDtot+ [W/m ²]	1.84
psPDmod+ [W/m ²]	3.34
E _{max} [V/m]	62.3
Power Drift [dB]	-0.22



Measurement Report for 16Z90TP, SCREEN, U-NII-7, UID 11026 AAA, Channel 159 (6745.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 16Z90TP	360.0 x 255.0 x 15.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	SCREEN, 2.00	U-NII-7	WLAN, 11026-AAA	6745.0, 159	1.0

Hardware Setup

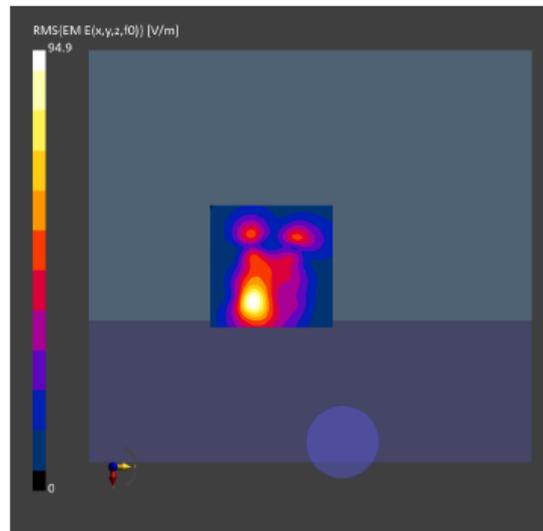
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1059	---Air	EUmmWV4 - SN9544_F1-55GHz, 2024-04-16	DAE4 Sn1337, 2024-03-15

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-10-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.35
psPDtot+ [W/m ²]	3.49
psPDmod+ [W/m ²]	7.08
E _{max} [V/m]	94.9
Power Drift [dB]	-0.07



Measurement Report for 16Z90TP, SCREEN, U-NII-8, UID 11026 AAA, Channel 191 (6905.0MHz)

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
, 16Z90TP	360.0 x 255.0 x 15.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	SCREEN, 2.00	U-NII-8	WLAN, 11026-AAA	6905.0, 191	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1059	---Air	EUmmWV4 - SN9544_F1-55GHz, 2024-04-16	DAE4 Sn1337, 2024-03-15

Scan Setup

	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2024-10-06
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	2.72
psPDtot+ [W/m ²]	3.77
psPDmod+ [W/m ²]	5.97
E _{max} [V/m]	78.1
Power Drift [dB]	0.04

