



REPORT No.: SZ24090369S01

Annex D Plots of Maximum SAR/PD Test Results

WLAN 2.4GHz_802.11n-HT40 MSC 0_Bottom Face_0mm_Ch3_MIMO

Communication System: UID 0, WLAN 2.4GHz 802.11n (0); Frequency: 2422 MHz; Duty Cycle: 1:1.124
Medium: HSL_2450 Medium parameters used: $f = 2422$ MHz; $\sigma = 1.807$ S/m; $\epsilon_r = 39.484$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.31, 7.34, 6.82) @ 2422 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024.03.27
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch3/Area Scan (101x161x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.589 W/kg

Ch3/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.10 dB

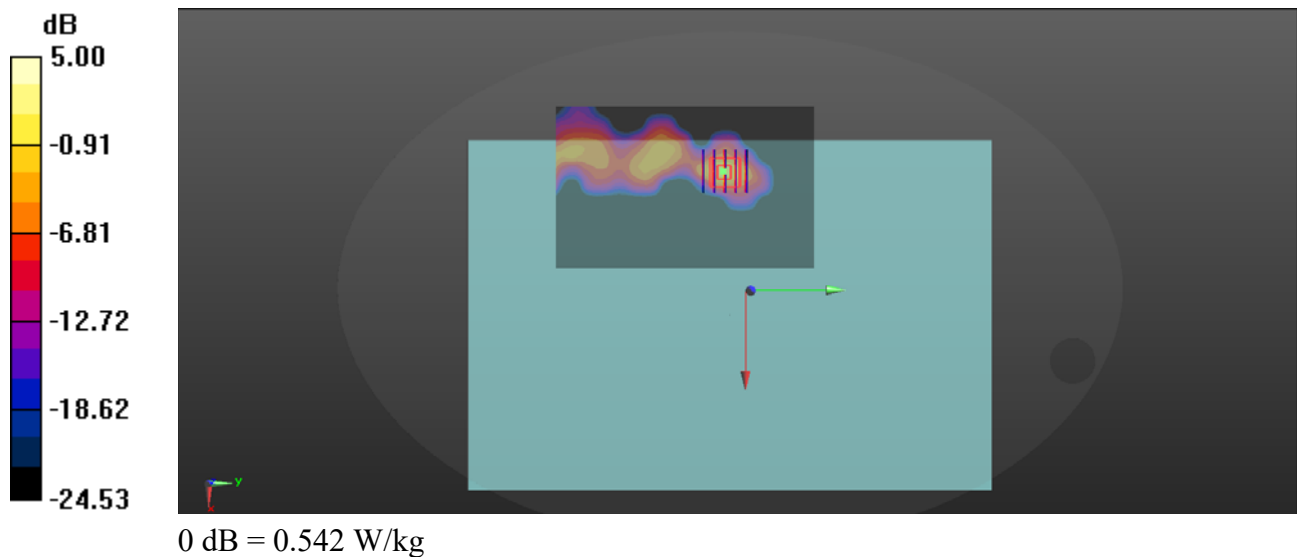
Peak SAR (extrapolated) = 0.705 W/kg

SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.122 W/kg

Smallest distance from peaks to all points 3 dB below = 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 45.7%

Maximum value of SAR (measured) = 0.542 W/kg



WLAN 5.2GHz_802.11a 6Mbps_Bottom Face_0mm_Ch48

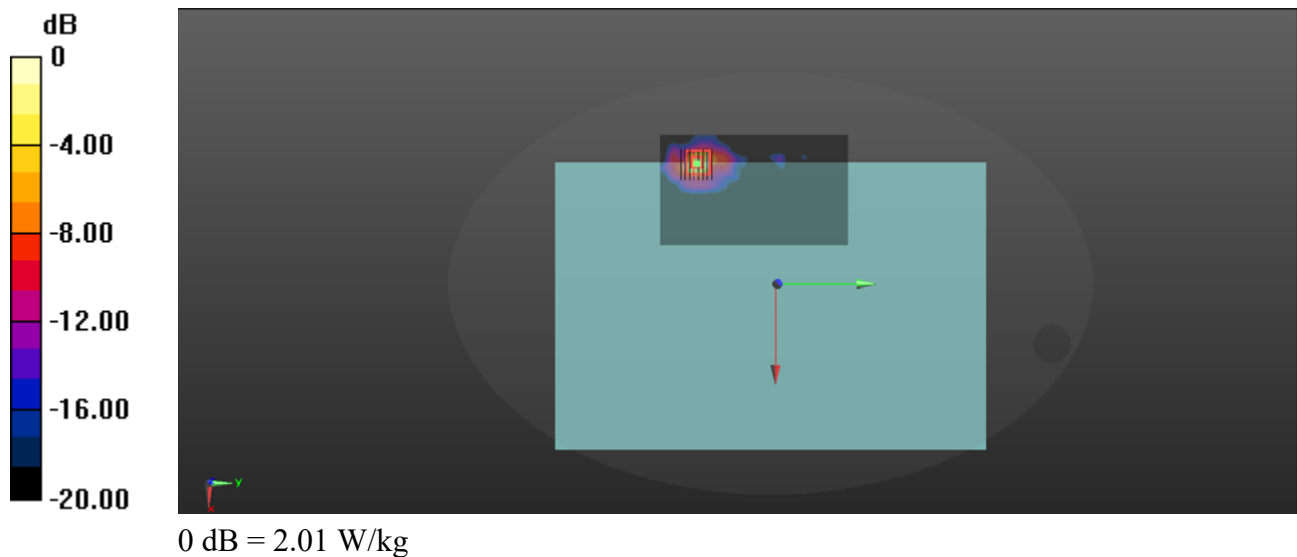
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5240 MHz; Duty Cycle: 1:1.114
Medium: HSL_5250 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.557$ S/m; $\epsilon_r = 35.871$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(5.41, 5.52, 5.17) @ 5240 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024.03.27
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch48/Area Scan (101x171x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.71 W/kg

Ch48/Zoom Scan (8x8x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.98 W/kg
SAR(1 g) = 0.926 W/kg; SAR(10 g) = 0.237 W/kg
Smallest distance from peaks to all points 3 dB below = 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 58.2%
Maximum value of SAR (measured) = 2.01 W/kg



WLAN 5.8GHz_802.11ac-VHT80_Bottom Face_0mm_Ch155_MIMO

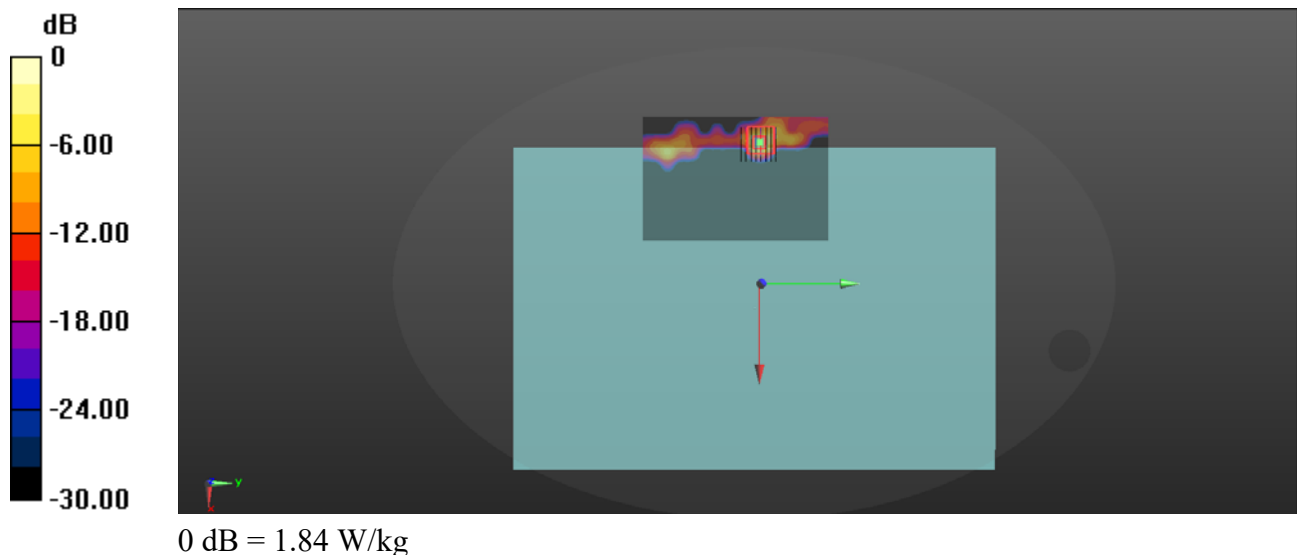
Communication System: UID 0, WLAN 5GHz (0); Frequency: 5775 MHz; Duty Cycle: 1:1.129
Medium: HSL_5250 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.306$ S/m; $\epsilon_r = 33.797$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(4.76, 4.89, 4.54) @ 5775 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024.03.27
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch155/Area Scan (101x151x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.01 W/kg

Ch155/Zoom Scan (8x8x15)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 4.07 W/kg
SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.169 W/kg
Smallest distance from peaks to all points 3 dB below = 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 54.4%
Maximum value of SAR (measured) = 1.84 W/kg



Test Laboratory: Shenzhen Morlab Communications Technology Co., Ltd.

Date: 2024.10.23

Bluetooth_DH5_Bottom Face_0mm_Ch0

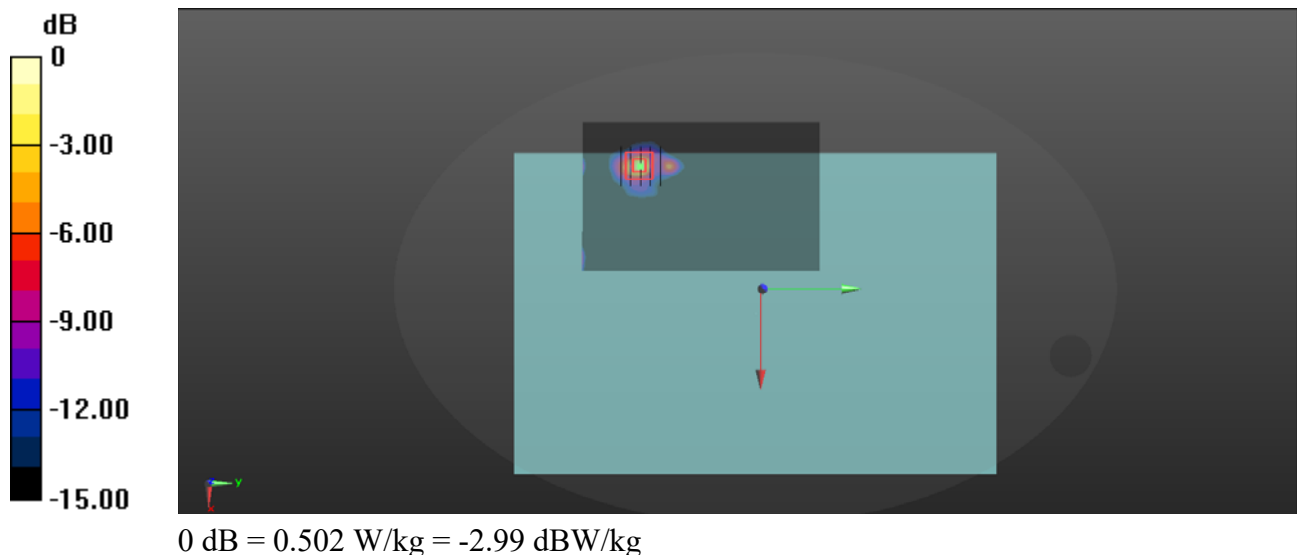
Communication System: UID 0, Bluetooth (0); Frequency: 2402 MHz; Duty Cycle: 1: 1.081
Medium: HSL_2450 Medium parameters used : $f = 2402$ MHz; $\sigma = 1.802$ S/m; $\epsilon_r = 39.578$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7608; ConvF(7.31, 7.34, 6.82) @ 2402 MHz; Calibrated: 2024.03.21
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1643; Calibrated: 2024.03.27
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: xxxx
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch0/Area Scan (101x161x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.482 W/kg

Ch0/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.931 W/kg
SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.019 W/kg
Smallest distance from peaks to all points 3 dB below = 3.6 mm
Ratio of SAR at M2 to SAR at M1 = 24%
Maximum value of SAR (measured) = 0.502 W/kg



Measurement Report for Device, Bottom Surface, U-NII-5, IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle), Channel 7 (5985.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	390.0 x 260.0 x 15.0		Phone

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	U-NII-5	WLAN, 10755-AAC	5985.0, 7	5.17	5.77	34.9

Hardware Setup

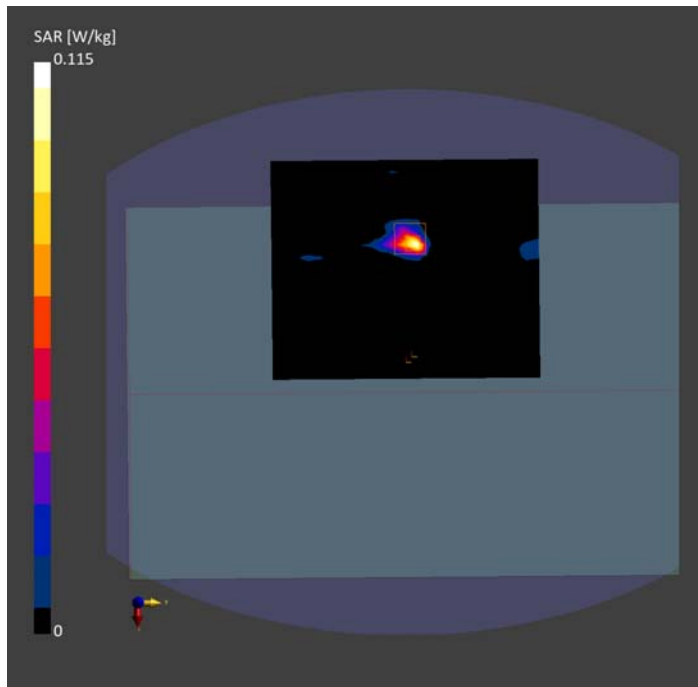
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2181	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7608, 2024-03-21	DAE4 Sn1643, 2024-03-27

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	153.0 x 187.0	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	2024-10-31, 10:59	2024-10-31, 11:17
psSAR1g [W/kg]	0.075	0.298
psSAR10g [W/kg]	0.021	0.083
psAPD (1.0cm2, sq) [W/m2]		0.918
psAPD (4.0cm2, sq) [W/m2]		0.556
Power Drift [dB]	0.12	0.01
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		59.5
Dist 3dB Peak [mm]		4.4



Measurement Report for Device, Bottom Surface, U-NII-6, IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle), Channel 103 (6465.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	390.0 x 260.0 x 15.0		Phone

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	U-NII-6	WLAN, 10731-AAC	6465.0, 103	5.17	6.08	34.7

Hardware Setup

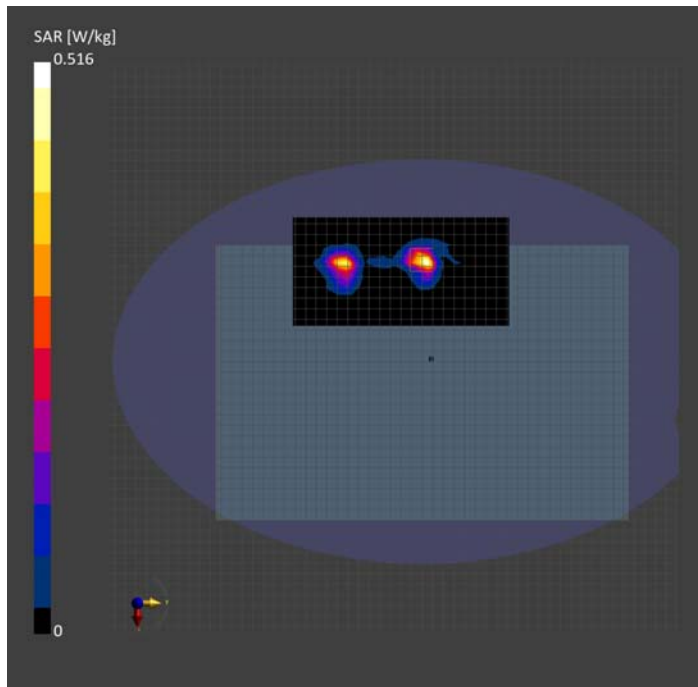
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2181	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7608, 2024-03-21	DAE4 Sn1643, 2024-03-27

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	102.0 x 204.0	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	2024-10-31, 20:23	2024-10-31, 20:38
psSAR1g [W/kg]	0.361	0.380
psSAR10g [W/kg]	0.115	0.120
psAPD (1.0cm2, sq) [W/m2]		1.80
psAPD (4.0cm2, sq) [W/m2]		1.74
Power Drift [dB]	-0.15	-0.08
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		56.2
Dist 3dB Peak [mm]		6.3



Measurement Report for Device, Bottom Surface,U-NII-7, IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle), Channel 151 (6705.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	390.0 x 260.0 x 15.0		Phone

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	U-NII-7	WLAN, 10755-AAC	6705.0, 151	5.17	6.39	33.6

Hardware Setup

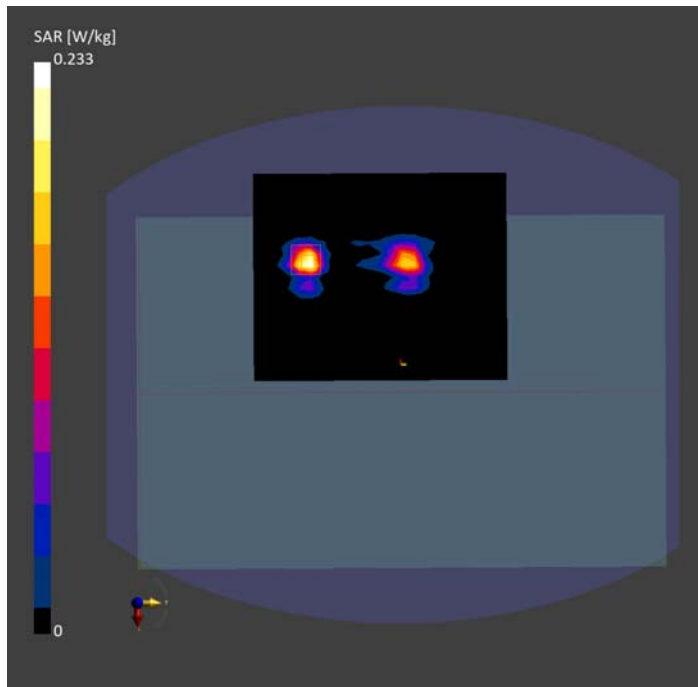
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2181	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7608, 2024-03-21	DAE4 Sn1643, 2024-03-27

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	153.0 x 187.0	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	2024-10-31, 15:17	2024-10-31, 15:27
psSAR1g [W/kg]	0.588	0.610
psSAR10g [W/kg]	0.058	0.212
psAPD (1.0cm2, sq) [W/m2]		2.21
psAPD (4.0cm2, sq) [W/m2]		1.50
Power Drift [dB]	0.18	0.13
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.8
Dist 3dB Peak [mm]		7.6



Measurement Report for Device, Bottom Surface, U-NII-8, IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle), Channel 199 (6945.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	n/a x n/a x n/a		Phone

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	U-NII-8	WLAN, 10755-AAC	6945.0, 199	5.17	6.69	33.2

Hardware Setup

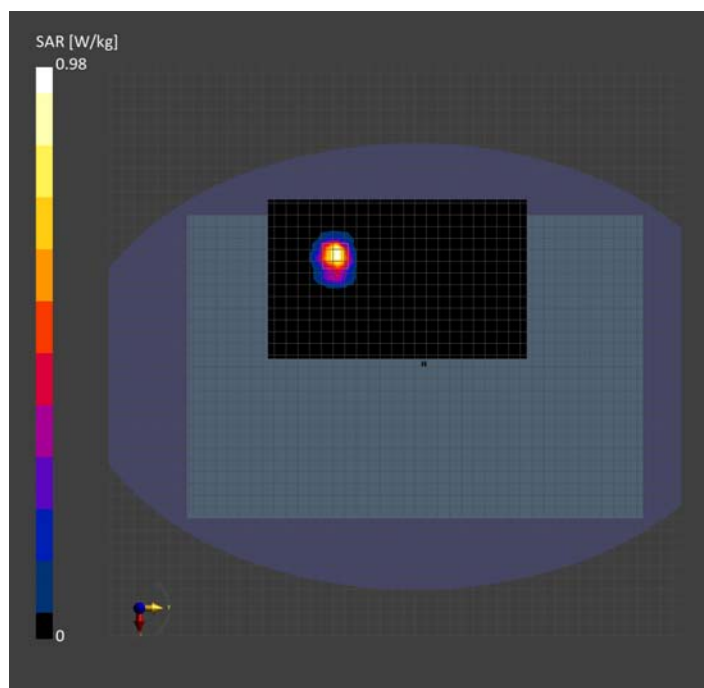
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2181	HBBL-600-10000 Charge:xxxx, --	EX3DV4 - SN7608, 2024-03-21	DAE4 Sn1643, 2024-03-27

Scans Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	136.0 x 221.0	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	N/A
Surface Detection	Unknown method	VMS + 6p
Scan Method	Measured	Measured

Measurement Results

	Area Scan	Zoom Scan
Date	2024-10-31, 18:59	2024-10-31, 18:09
psSAR1g [W/kg]	0.607	0.617
psSAR10g [W/kg]	0.205	0.178
psAPD (1.0cm2, sq) [W/m2]		2.56
psAPD (4.0cm2, sq) [W/m2]		2.07
Power Drift [dB]	0.09	0.15
Power Scaling	Disabled	Disabled
Scaling Factor [dB]		
TSL Correction	No correction	No correction
M2/M1 [%]		51.4
Dist 3dB Peak [mm]		7.7



Laboratory Name: Morlab Grop

Measurement Report for Device, Bottom Surface, U-NII-5, IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle), Channel 39 (6145.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	390.0 x 260.0 x 15.0		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	6145.0, 39	1.0

Hardware Setup

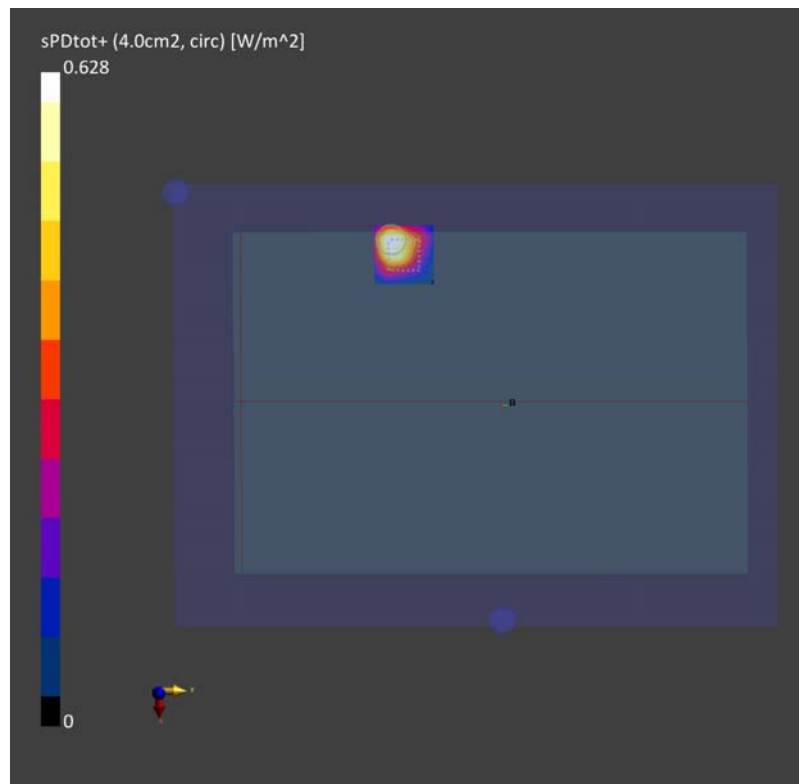
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9602_F1-55GHz, 2024-03-12	DAE4 Sn1643, 2024-03-27

Scans Setup

Scan Type	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

Scan Type	5G Scan
Date	2024-11-01, 21:51
Avg. Area [cm ²]	4.00
psPDtot+ [W/m ²]	0.628
psPDmod+ [W/m ²]	0.691
E _{max} [V/m]	28.7



Laboratory Name: Morlab Grop

Measurement Report for Device, Bottom Surface, U-NII-6, IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle), Channel 103 (6465.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	390.0 x 260.0 x 15.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-6	WLAN, 10731-AAC	6465.0, 103	1.0

Hardware Setup

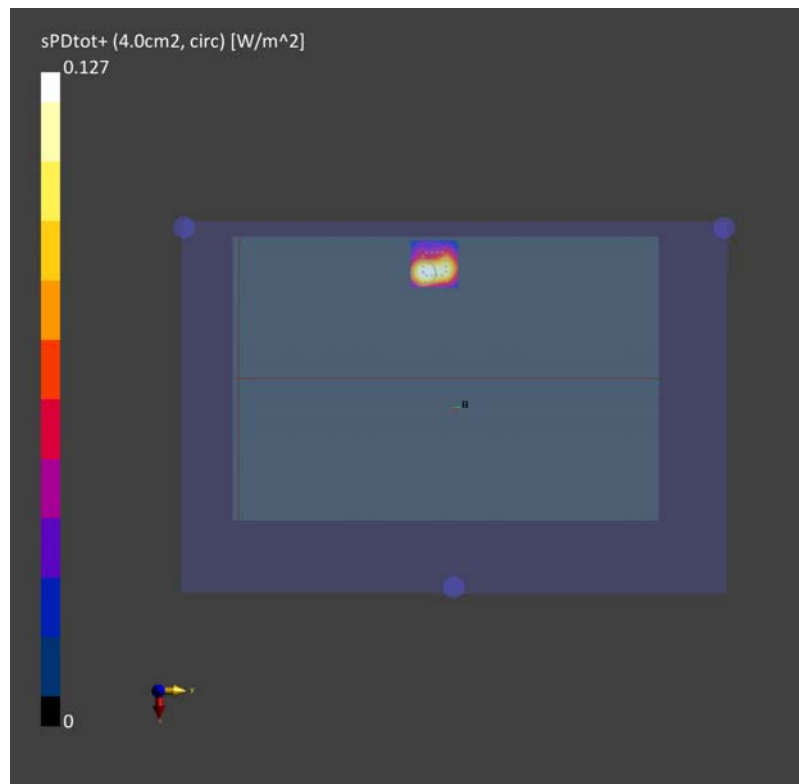
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9602_F1-55GHz, 2024-03-12	DAE4 Sn1643, 2024-03-27

Scans Setup

Scan Type	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

Scan Type	5G Scan
Date	2024-11-01, 16:08
Avg. Area [cm ²]	4.00
psPDtot+ [W/m ²]	0.130
psPDmod+ [W/m ²]	0.175
E _{max} [V/m]	10.8



Laboratory Name: Morlab Grop

Measurement Report for Device, Bottom Surface, U-NII-7, IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle), Channel 151 (6705.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	390.0 x 260.0 x 15.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-7	WLAN, 10755-AAC	6705.0, 151	1.0

Hardware Setup

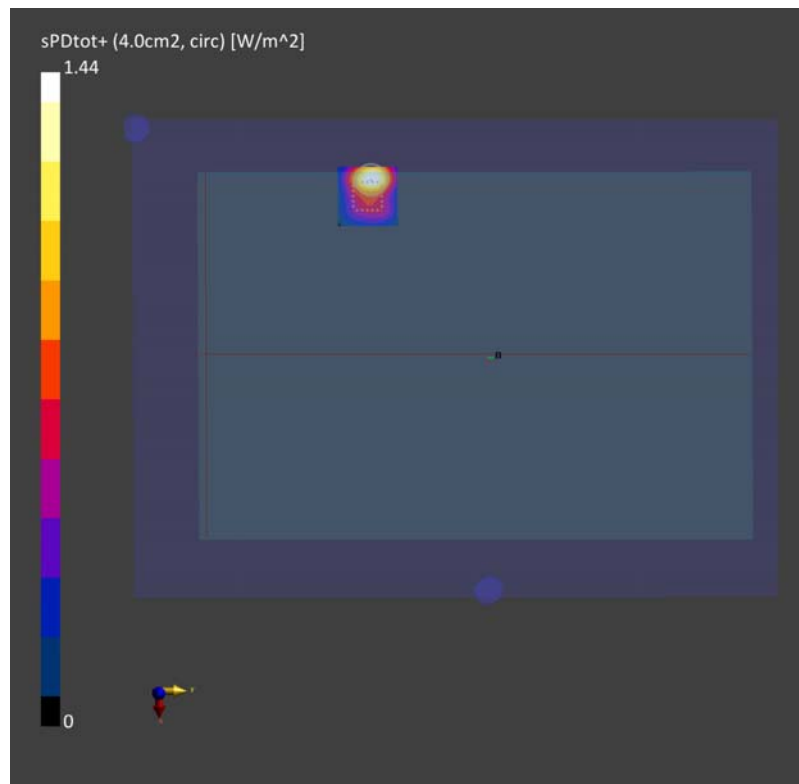
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9602_F1-55GHz, 2024-03-12	DAE4 Sn1643, 2024-03-27

Scans Setup

Scan Type	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

Scan Type	5G Scan
Date	2024-11-01, 12:02
Avg. Area [cm ²]	4.00
psPDtot+ [W/m ²]	1.44
psPDmod+ [W/m ²]	1.47
E _{max} [V/m]	43.9



Laboratory Name: Morlab Grop

Measurement Report for Device, Bottom Surface, U-NII-8, IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle), Channel 199 (6945.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
Device,	390.0 x 260.0 x 15.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	BACK, 2.00	U-NII-8	WLAN, 10755-AAC	6945.0, 199	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9602_F1-55GHz, 2024-03-12	DAE4 Sn1643, 2024-03-27

Scans Setup

Scan Type	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

Scan Type	5G Scan
Date	2024-11-01, 10:24
Avg. Area [cm ²]	4.00
psPDtot+ [W/m ²]	1.44
psPDmod+ [W/m ²]	1.53
E _{max} [V/m]	43.4

