

Appendix C – Highest Test Plots

Date: 2025/1/6

1_WLAN2.4G_802.11b_Bottom of laptop_0 mm_Ch11_ANT 0

DUT: GA403W

Communication System: UID 0, IEEE 802.11b (0); Frequency: 2462 MHz; Duty Cycle: 1:1.062
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.795$ S/m; $\epsilon_r = 39.257$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(7.17, 7.17, 7.17) @ 2462 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2024/10/28
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.257 W/kg

Zoom Scan (8x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 8.132 V/m; Power Drift = -0.14 dB

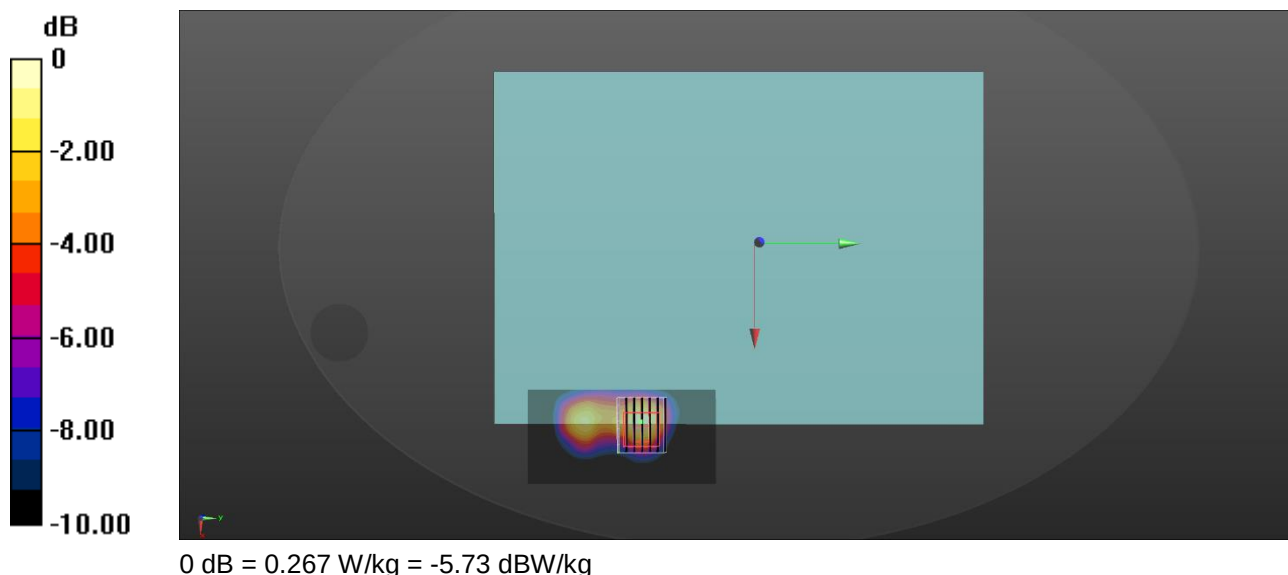
Peak SAR (extrapolated) = 0.339 W/kg

SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.075 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 46.3%

Maximum value of SAR (measured) = 0.267 W/kg



Date: 2025/1/7

2_WLAN5.3G_802.11ac VHT160_Bottom of laptop_0 mm_Ch50_ANT 0

DUT: GA403W

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5250 MHz;Duty Cycle: 1:1.152
Medium parameters used (interpolated): $f = 5250$ MHz; $\sigma = 4.754$ S/m; $\epsilon_r = 34.413$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(5.35, 5.35, 5.35) @ 5250 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2024/10/28
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.301 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.456 V/m; Power Drift = 0.04 dB

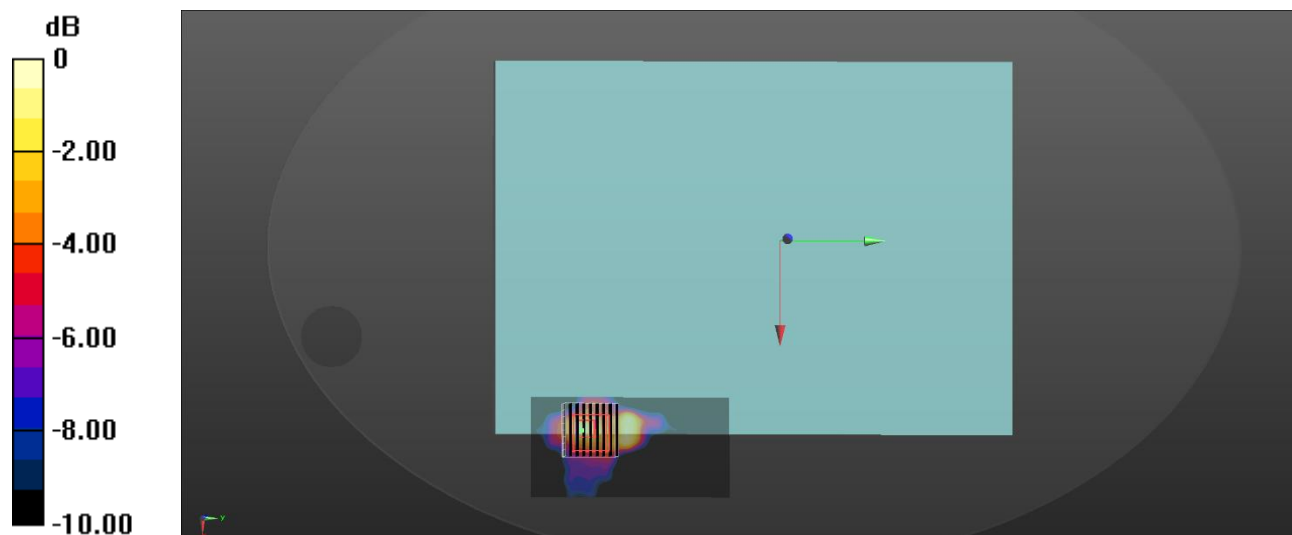
Peak SAR (extrapolated) = 0.538 W/kg

SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.043 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 61.3%

Maximum value of SAR (measured) = 0.301 W/kg



Date: 2025/1/7

3_WLAN5.6G_802.11ac VHT160_Bottom of laptop_0 mm_Ch114_ANT 0

DUT: GA403W

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5570 MHz;Duty Cycle: 1:1.152
Medium parameters used (interpolated): $f = 5570$ MHz; $\sigma = 5.111$ S/m; $\epsilon_r = 34.04$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(4.66, 4.66, 4.66) @ 5570 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2024/10/28
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.337 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.044 V/m; Power Drift = 0.07 dB

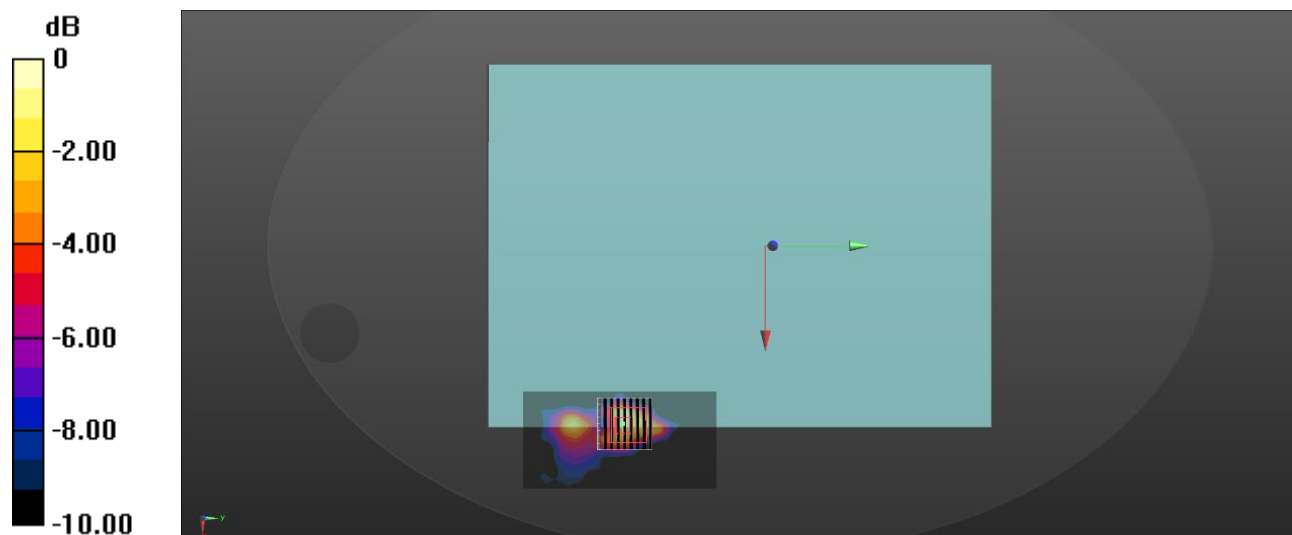
Peak SAR (extrapolated) = 0.582 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.046 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 59.9%

Maximum value of SAR (measured) = 0.362 W/kg



0 dB = 0.362 W/kg = -4.41 dBW/kg

Date: 2025/1/7

5_WLAN5.8G_802.11ac VHT160_Bottom of laptop_0 mm_Ch163_ANT 0

DUT: GA403W

Communication System: UID 0, IEEE 802.11ac(5GHz)VHT160 (0); Frequency: 5815 MHz;Duty Cycle: 1:1.152
Medium parameters used: $f = 5815$ MHz; $\sigma = 5.407$ S/m; $\epsilon_r = 33.821$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(4.79, 4.79, 4.79) @ 5815 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2024/10/28
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (61x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.755 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.815 V/m; Power Drift = 0.03 dB

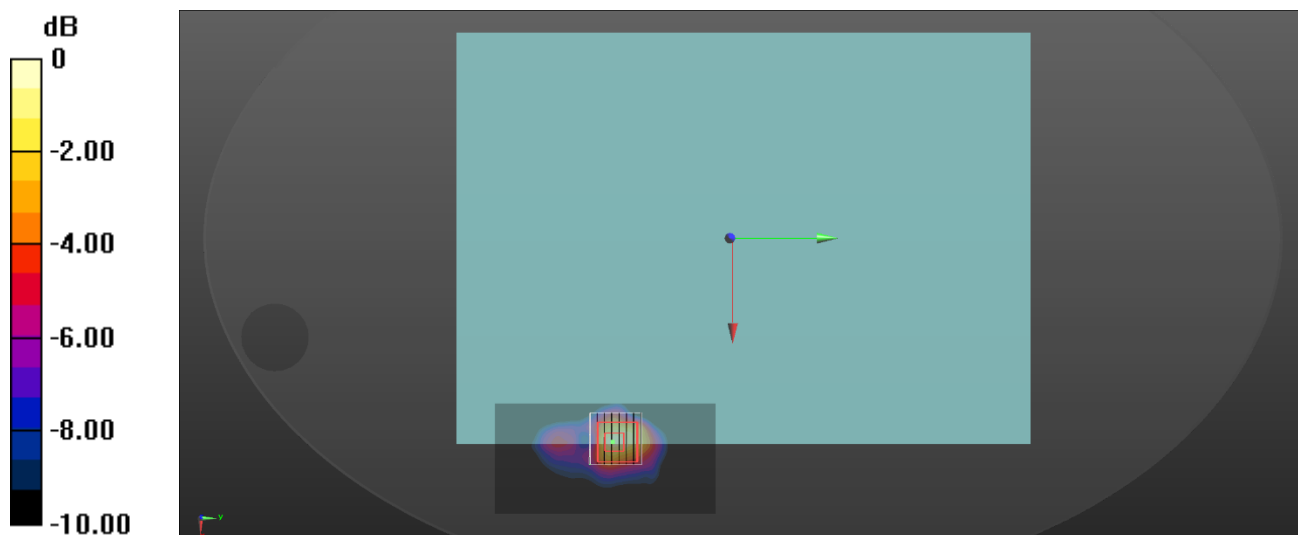
Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.145 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below = 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 68.3%

Maximum value of SAR (measured) = 0.802 W/kg



0 dB = 0.802 W/kg = -0.96 dBW/kg

Date: 2025/1/6

7_Bluetooth_GFSK_Bottom of laptop_0 mm_Ch0_ANT 1

DUT: GA403W

Communication System: UID 0, Bluetooth; Frequency: 2402 MHz; Duty Cycle: 1:1.307

Medium parameters used (interpolated): $f = 2402$ MHz; $\sigma = 1.752$ S/m; $\epsilon_r = 39.349$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3847; ConvF(7.17, 7.17, 7.17) @ 2402 MHz; Calibrated: 2024/2/21
- Sensor-Surface: 1.4 mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn541; Calibrated: 2024/10/28
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Area Scan (51x101x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.0888 W/kg

Zoom Scan (9x11x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 4.752 V/m; Power Drift = 0.15 dB

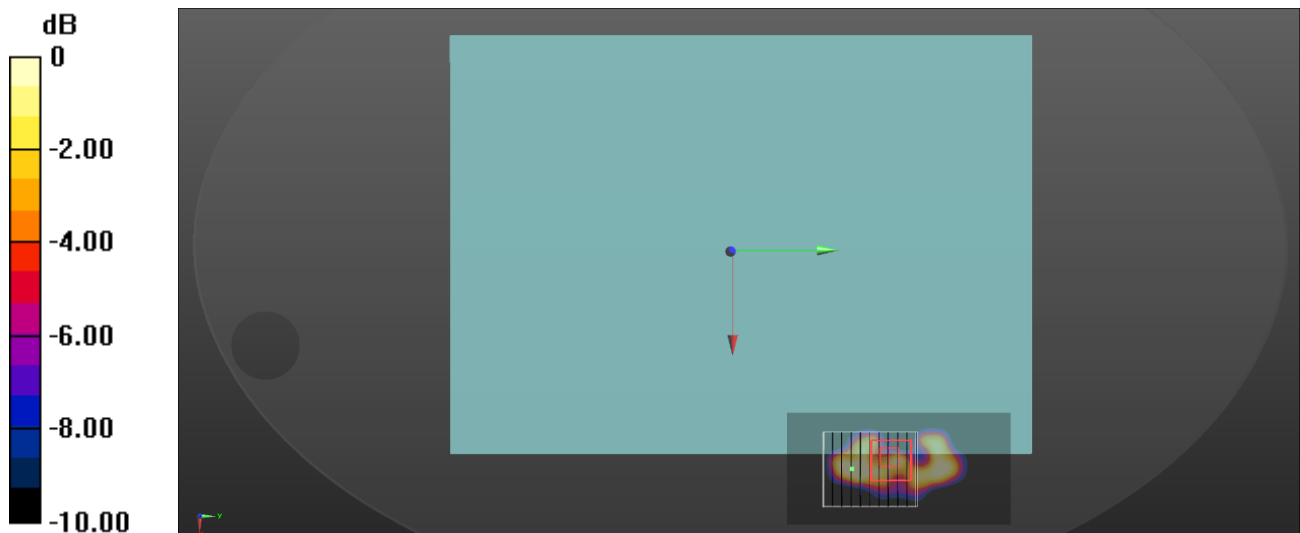
Peak SAR (extrapolated) = 0.0820 W/kg

SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.022 W/kg (SAR corrected for target medium)

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 20 mm)

Ratio of SAR at M2 to SAR at M1 = 57.7%

Maximum value of SAR (measured) = 0.0691 W/kg



Test Date : 2025-01-08 | Ambient Temp : 21.6 °C | Tissue Temp : 20.6 °C

Test Mode**8_U-NII 5_802.11ax HE160_Bottom of laptop_0mm_Ch79_ANT 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA403W	SCNTCX000737514	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	U-NII-5	WLAN, 10755 - AAC	6345.000, 79	5.5	6.02	33.2

Hardware Setup

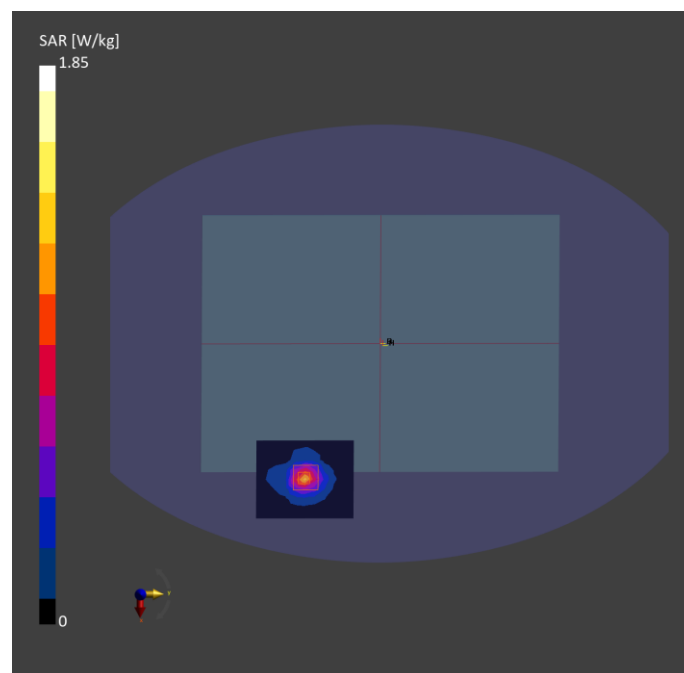
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HBBL-600-10000V6	EX3DV4 - SN3847 / 2024-02-21	DAE4 Sn541 / 2024-10-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	59.5 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.953	0.931
psSAR-10g [W/kg]	0.327	0.318
psAPD (1.0 cm ² , sq) [W/m ²]		9.31
psAPD (4.0 cm ² , sq) [W/m ²]		7.23
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.6
Dist 3dB Peak [mm]		8.9



Test Date : 2025-01-08 | Ambient Temp : 21.6 °C | Tissue Temp : 20.6 °C

Test Mode**9_U-NII 6_802.11ax HE160_Bottom of laptop_0mm_Ch111_ANT 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA403W	SCNTCX000737514	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	U-NII-6	WLAN, 10755 - AAC	6505.000, 111	5.5	6.19	33.0

Hardware Setup

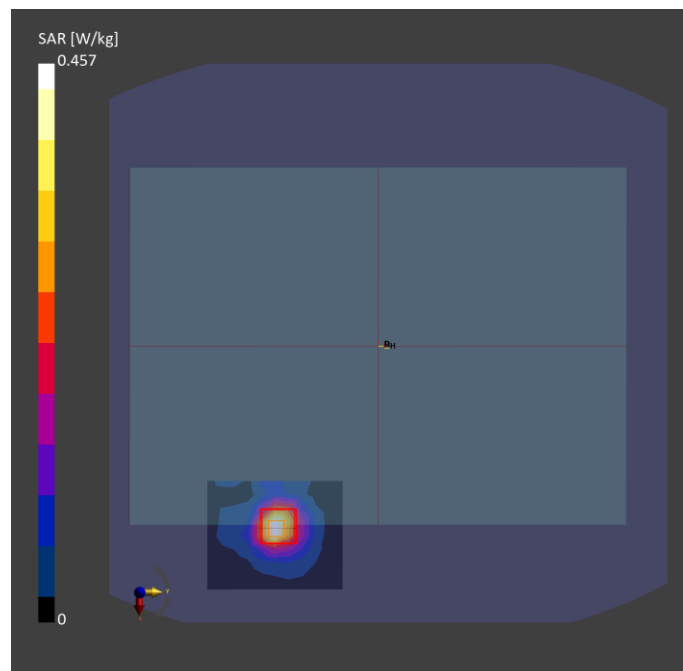
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HBBL-600-10000V6	EX3DV4 - SN3847 / 2024-02-21	DAE4 Sn541 / 2024-10-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	59.5 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.372	0.432
psSAR-10g [W/kg]	0.135	0.154
psAPD (1.0 cm ² , sq) [W/m ²]		4.32
psAPD (4.0 cm ² , sq) [W/m ²]		3.45
Power Drift [dB]		0.18
TSL Correction	Positive only	Positive only
M2 / M1 [%]		58.3
Dist 3dB Peak [mm]		9.9



Test Date : 2025-01-08 | Ambient Temp : 21.6 °C | Tissue Temp : 20.6 °C

Test Mode**11_U-NII 7_802.11ax HE160_Bottom of laptop_0mm_Ch143_ANT 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA403W	SCNTCX000737514	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	U-NII-7	WLAN, 10755 - AAC	6665.000, 143	5.5	6.38	32.8

Hardware Setup

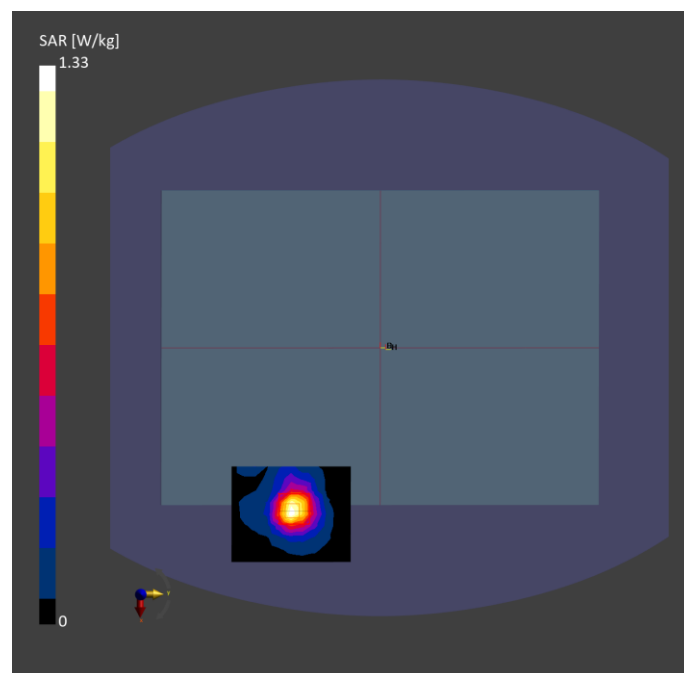
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HBBL-600-10000V6	EX3DV4 - SN3847 / 2024-02-21	DAE4 Sn541 / 2024-10-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	59.5 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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	1.07	1.14
psSAR-10g [W/kg]	0.379	0.399
psAPD (1.0 cm ² , sq) [W/m ²]		11.4
psAPD (4.0 cm ² , sq) [W/m ²]		9.00
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.8
Dist 3dB Peak [mm]		9.7



Test Date : 2025-01-08 | Ambient Temp : 21.6 °C | Tissue Temp : 20.6 °C

Test Mode**12_U-NII 8_802.11ax HE160_Bottom of laptop_0mm_Ch207_ANT 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA403W	SCNTCX000737514	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	U-NII-8	WLAN, 10755 - AAC	6985.000, 207	5.5	6.80	32.6

Hardware Setup

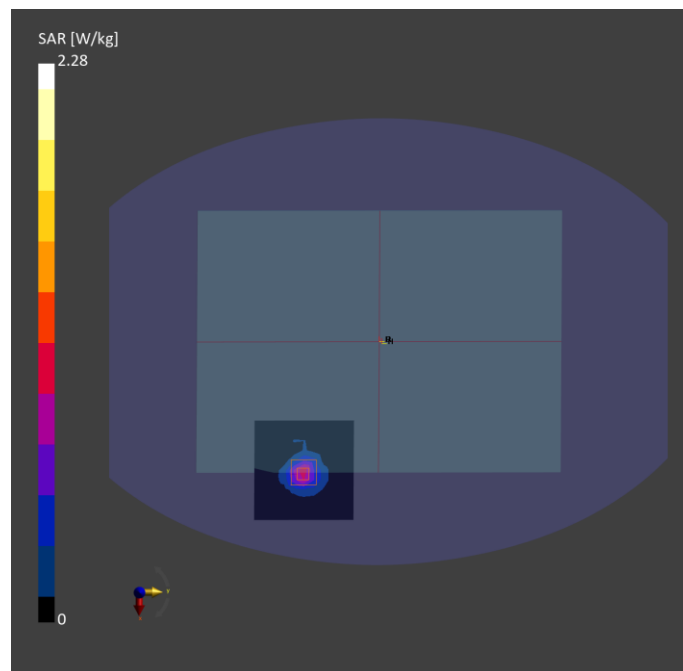
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V5.0 (20deg probe tilt) - 1175	HBBL-600-10000V6	EX3DV4 - SN3847 / 2024-02-21	DAE4 Sn541 / 2024-10-28

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
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.922	0.867
psSAR-10g [W/kg]	0.314	0.275
psAPD (1.0 cm ² , sq) [W/m ²]		8.67
psAPD (4.0 cm ² , sq) [W/m ²]		6.28
Power Drift [dB]		-0.18
TSL Correction	Positive only	Positive only
M2 / M1 [%]		54.3
Dist 3dB Peak [mm]		8.9



Test Date : 2025-01-10 | Ambient Temp : 22.3 °C

Test Mode**13_U-NII 7_802.11ax HE160_Bottom of laptop_2mm_Ch143_ANT 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA403W	SCNTCX000737514	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-7	WLAN, 10743 - AAC	6665.0, 143	1.0

Hardware Setup

Phantom	Medium	Probe Calibration Date	DAE Calibration Date
mmWave - 5G Phantom	Air	EUmmWV3 - SN9403_F1-55GHz / 2024-11-15	DAE4 Sn541 / 2024-10-28

Scan Setup

	5G Scan
Grid Extents [mm]	90.0 x 90.0
Grid Steps [mm]	0.0555 x 0.0555
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	3.54
psPD tot+ [W/m ²]	7.36
psPD mod+ [W/m ²]	15.5
Peak PD tot [W/m ²]	39.0
Power Drift [dB]	0.10

