

Appendix C – Highest Test Plots

Test Date : 2025-01-14 | Ambient Temp : 22.5 °C | Tissue Temp : 21.2 °C

Test Mode

1_WLAN2.4G_802.11n HT40_Front Edge of laptop_0mm_Ch6_Ant 0+1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 2.4GHz	WLAN, 10599 - AAD	2437.000, 6	6.96	1.68	38.4

Hardware Setup

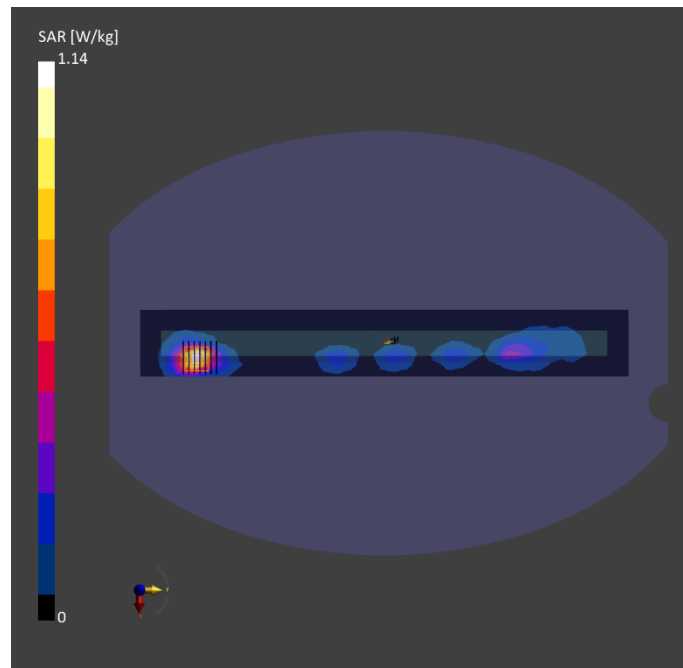
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 440.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.5

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.940	1.08
psSAR-10g [W/kg]	0.437	0.469
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		75.4
Dist 3dB Peak [mm]		6.8



Test Date : 2025-01-15 | Ambient Temp : 22.7 °C | Tissue Temp : 21.4 °C

Test Mode

2_WLAN5.3G_802.11ac VHT160_Front Edge of laptop_0mm_Ch50_Ant 0+1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10554 - AAE	5250.000, 50	5.45	4.50	33.9

Hardware Setup

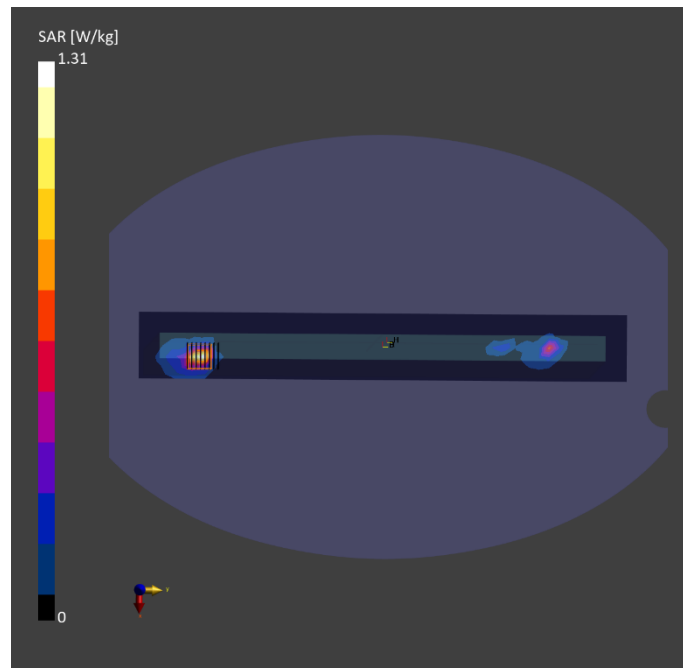
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 440.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.862	1.04
psSAR-10g [W/kg]	0.260	0.292
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		62.0
Dist 3dB Peak [mm]		6.4



Test Date : 2025-01-16 | Ambient Temp : 22.6 °C | Tissue Temp : 21.5 °C

Test Mode

3_WLAN5.6G_802.11ac VHT160_Front Edge of laptop_0mm_Ch114_Ant 0_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10554 - AAE	5570.000, 114	4.88	4.86	33.4

Hardware Setup

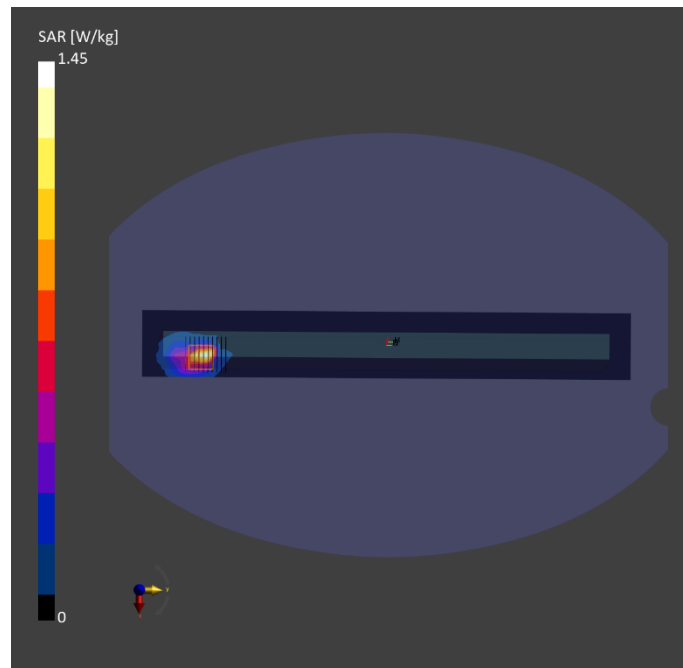
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 440.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.978	1.17
psSAR-10g [W/kg]	0.317	0.348
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		58.7
Dist 3dB Peak [mm]		6.4



Test Date : 2025-01-15 | Ambient Temp : 22.7 °C | Tissue Temp : 21.4 °C

Test Mode**5_WLAN5.8G_802.11ax HE160_Front Edge of laptop_0mm_Ch163_Ant 0_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10755 - AAC	5815.000, 163	5.01	5.1	33.0

Hardware Setup

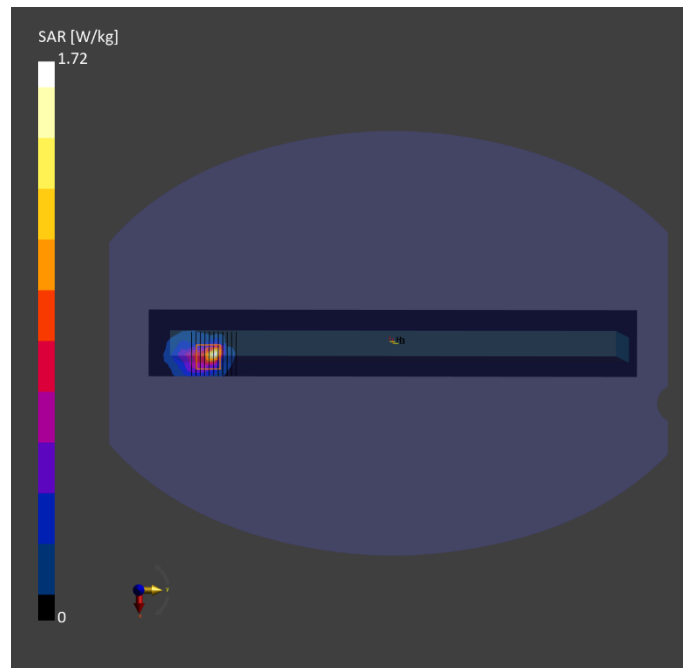
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 440.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	1.04	1.12
psSAR-10g [W/kg]	0.320	0.328
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		56.5
Dist 3dB Peak [mm]		6.5



Test Date : 2025-01-14 | Ambient Temp : 22.5 °C | Tissue Temp : 21.2 °C

Test Mode

6_Bluetooth_GFSK_Front Edge of laptop_0mm_Ch78_Ant 1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	ISM 2.4 GHz Band	Bluetooth, 10032 - CAA	2480.000, 78	6.96	1.71	38.4

Hardware Setup

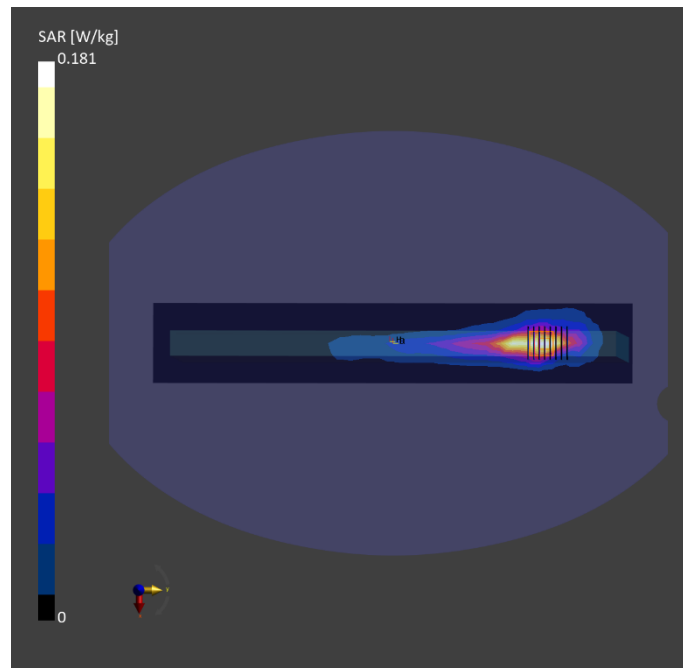
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 432.0	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	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.148	0.143
psSAR-10g [W/kg]	0.072	0.067
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		36.6
Dist 3dB Peak [mm]		6.8



Test Date : 2025-01-17 | Ambient Temp : 22.8 °C | Tissue Temp : 21.3 °C

Test Mode**7_U-NII 8_802.11ax HE160_Front Edge of laptop_0mm_Ch207_Ant 0_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	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	5.37	6.55	33.4

Hardware Setup

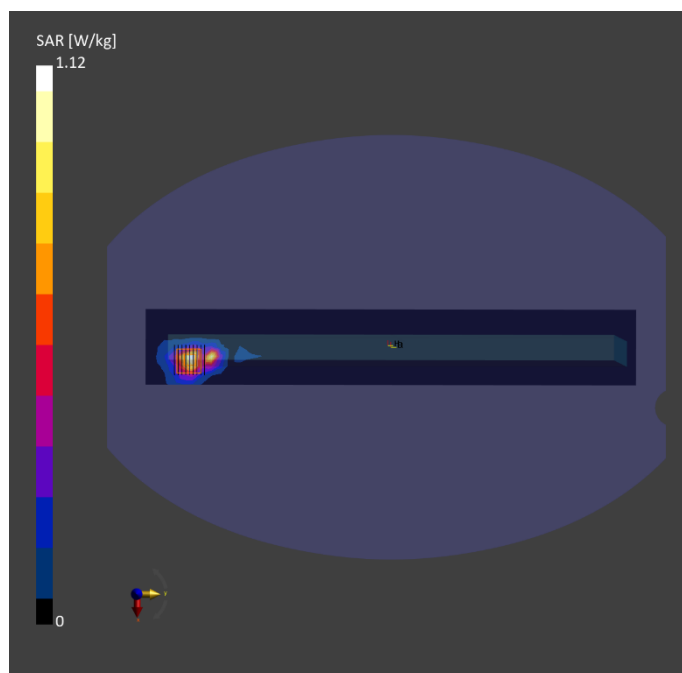
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 442.0	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]	0.896	0.895
psSAR-10g [W/kg]	0.288	0.259
psAPD (1.0 cm ² , sq) [W/m ²]		8.95
psAPD (4.0 cm ² , sq) [W/m ²]		5.79
Power Drift [dB]		0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		48.0
Dist 3dB Peak [mm]		7.1



Test Date : 2025-01-14 | Ambient Temp : 22.5 °C | Tissue Temp : 21.2 °C

Test Mode**8_WLAN2.4G_802.11n HT40_Top Side of keyboard_0mm_Ch3_Ant 0+1_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 2.4GHz	WLAN, 10599 - AAD	2422.000, 3	6.96	1.67	38.4

Hardware Setup

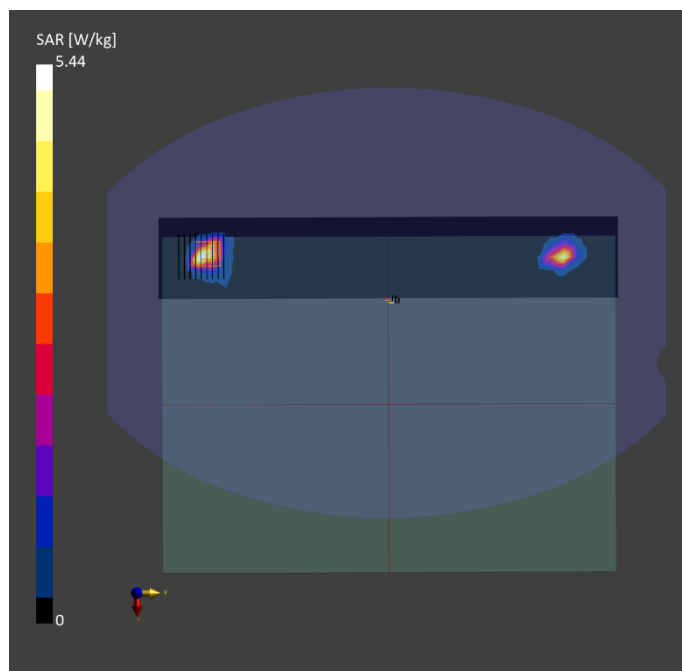
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 396.0	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	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	4.31	5.33
psSAR-10g [W/kg]	1.79	1.92
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		44.8
Dist 3dB Peak [mm]		7.7



Test Date : 2025-01-15 | Ambient Temp : 22.7 °C | Tissue Temp : 21.4 °C

Test Mode

9_WLAN5.3G_802.11ac VHT160_Top Side of keyboard_0mm_Ch50_Ant 0+1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10554 - AAE	5250.000, 50	5.45	4.50	33.9

Hardware Setup

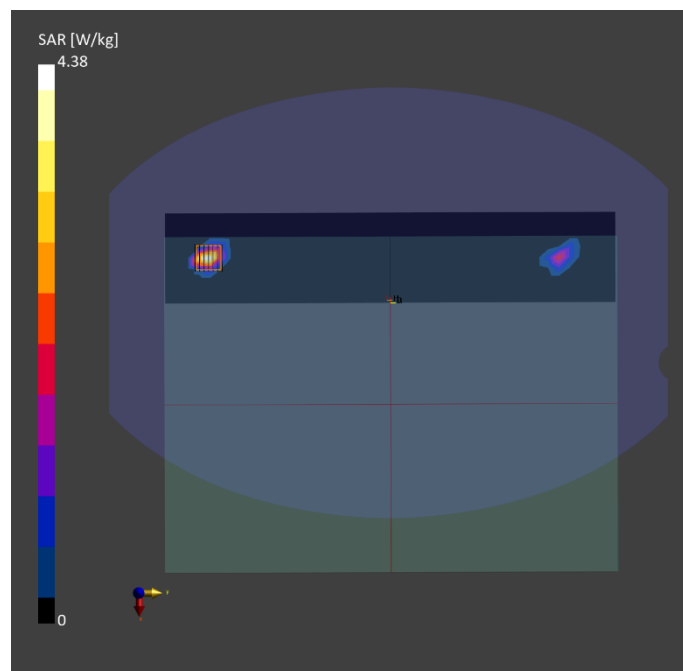
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 400.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	3.00	3.61
psSAR-10g [W/kg]	0.882	1.01
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.8
Dist 3dB Peak [mm]		6.1



Test Date : 2025-01-16 | Ambient Temp : 22.6 °C | Tissue Temp : 21.5 °C

Test Mode**10_WLAN5.6G_802.11ac VHT160_Top Side of keyboard_0mm_Ch114_Ant 0_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10554 - AAE	5570.000, 114	4.88	4.86	33.4

Hardware Setup

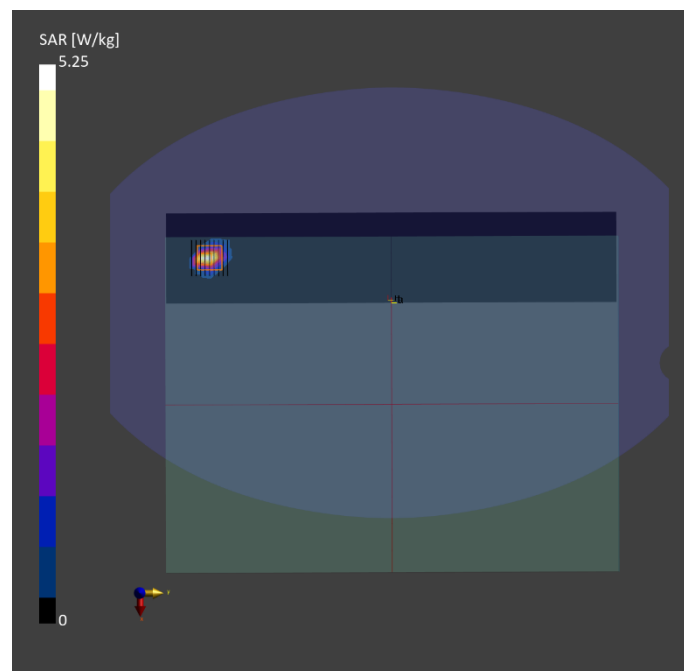
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 400.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	3.68	4.55
psSAR-10g [W/kg]	1.06	1.20
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		58.5
Dist 3dB Peak [mm]		6.1



Test Date : 2025-01-15 | Ambient Temp : 22.7 °C | Tissue Temp : 21.4 °C

Test Mode

12_WLAN5.8G_802.11ax HE160_Top Side of keyboard_0mm_Ch163_Ant 0+1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10755 - AAC	5815.000, 163	5.01	5.1	33.0

Hardware Setup

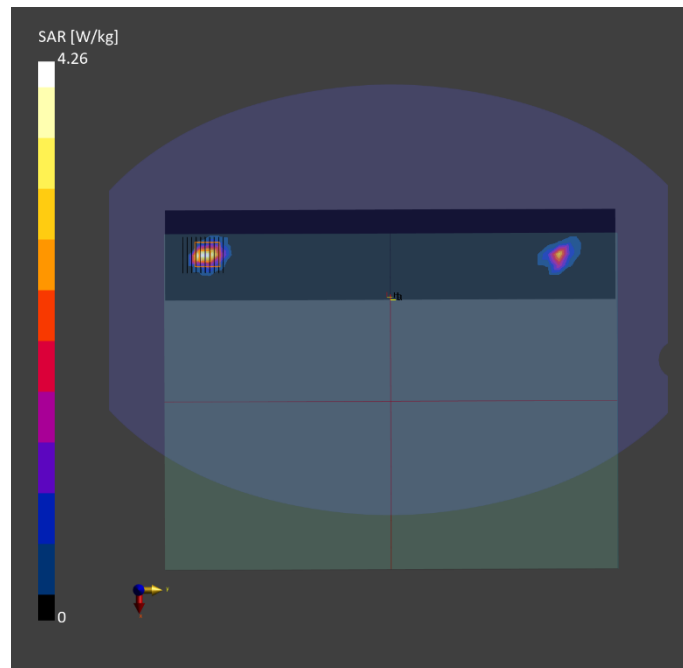
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	70.0 x 400.0	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

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	3.09	3.97
psSAR-10g [W/kg]	0.888	1.03
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		56.7
Dist 3dB Peak [mm]		5.8



Test Date : 2025-01-14 | Ambient Temp : 22.5 °C | Tissue Temp : 21.2 °C

Test Mode**13_Bluetooth_GFSK_Top Side of keyboard_0mm_Ch78_Ant 1_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	ISM 2.4 GHz Band	Bluetooth, 10032 - CAA	2480.000, 78	6.96	1.71	38.4

Hardware Setup

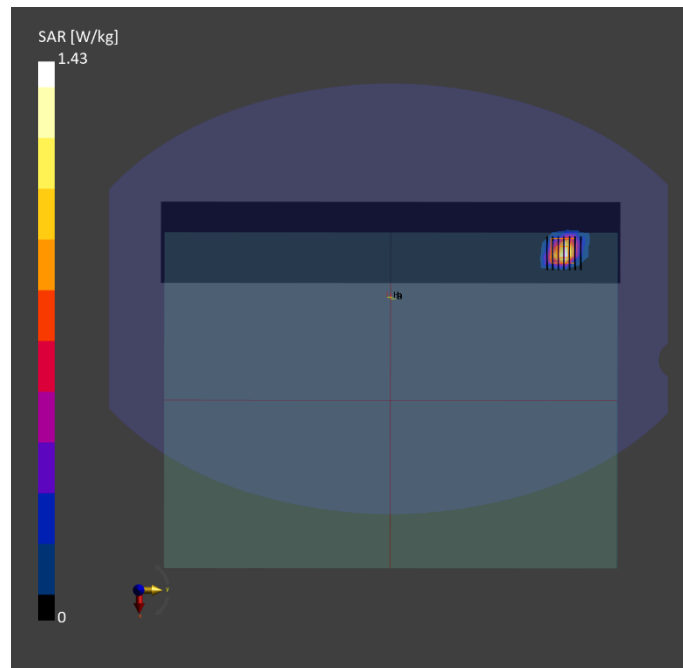
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 396.0	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	1.4

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	1.17	1.29
psSAR-10g [W/kg]	0.487	0.472
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		43.8
Dist 3dB Peak [mm]		7.7



Test Date : 2025-01-17 | Ambient Temp : 22.8 °C | Tissue Temp : 21.3 °C

Test Mode

14_U-NII 5_802.11be EHT320_Top Side of keyboard_0mm_Ch31_Ant 0_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	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, 11026 - AAB	6105.000, 31	5.37	5.50	34.9

Hardware Setup

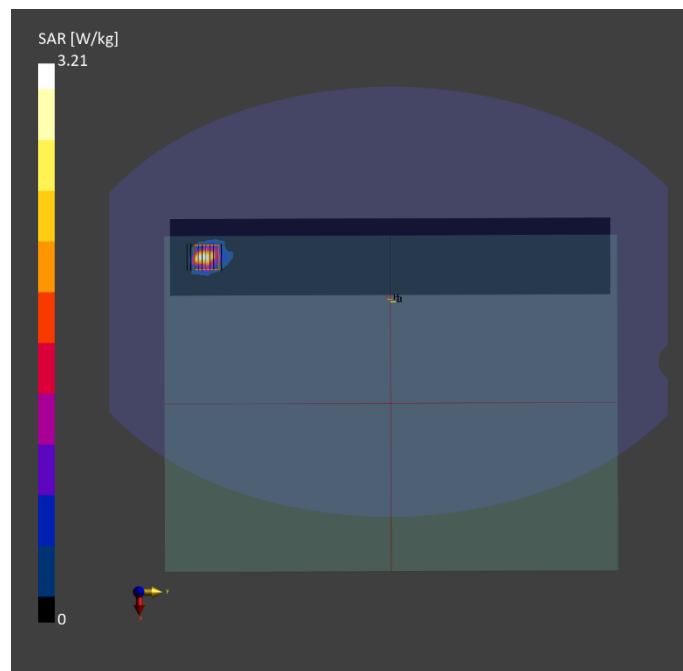
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 x 391.0	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]	2.32	2.75
psSAR-10g [W/kg]	0.626	0.674
psAPD (1.0 cm ² , sq) [W/m ²]		27.5
psAPD (4.0 cm ² , sq) [W/m ²]		15.7
Power Drift [dB]		-0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		54.9
Dist 3dB Peak [mm]		6.3



Test Date : 2025-01-18 | Ambient Temp : 22.4 °C

Test Mode**15_U-NII 8_802.11ax HE160_Front Edge of laptop_2mm_Ch207_Ant 0_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-8	WLAN, 10755 - AAC	6985.0, 207	1.0

Hardware Setup

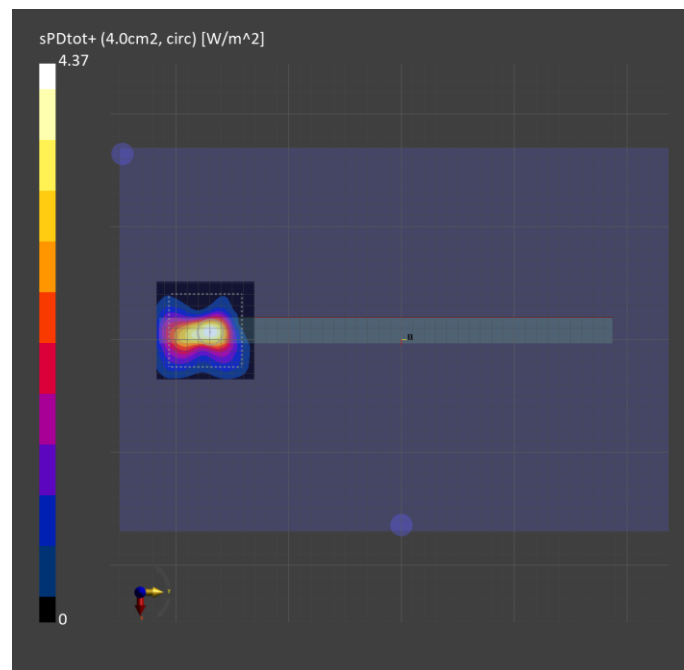
Phantom	Medium	Probe Calibration Date	DAE Calibration Date
mmWave - 1102	Air	EUmmWV4 - SN9639_F1-55GHz / 2024-09-16	DAE4 Sn1742 / 2024-08-15

Scan Setup

	5G Scan
Grid Extents [mm]	86.0 x 86.0
Grid Steps [mm]	0.0582 x 0.0582
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	2.40
psPD tot+ [W/m ²]	4.37
psPD mod+ [W/m ²]	5.17
Peak PD tot [W/m ²]	7.98
Power Drift [dB]	-0.05



Test Date : 2025-01-19 | Ambient Temp : 22.6 °C

Test Mode**16_U-NII 5_802.11be EHT320_Top Side of keyboard_2mm_Ch31_Ant 0_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G835L	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-5	WLAN, 11026 - AAB	6105.0, 31	1.0

Hardware Setup

Phantom	Medium	Probe Calibration Date	DAE Calibration Date
mmWave - 1102	Air	EUmmWV4 - SN9639_F1-55GHz / 2024-09-16	DAE4 Sn1742 / 2024-08-15

Scan Setup

	5G Scan
Grid Extents [mm]	98.0 x 98.0
Grid Steps [mm]	0.0509 x 0.0509
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	4.12
psPD tot+ [W/m ²]	7.85
psPD mod+ [W/m ²]	12.8
Peak PD tot [W/m ²]	29.5
Power Drift [dB]	-0.07

