

Appendix C – Highest Test Plots

Test Date : 2025-01-14 | Ambient Temp : 22.2 °C | Tissue Temp : 22.0 °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	G635L	A004	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	7.09	1.84	38.5

Hardware Setup

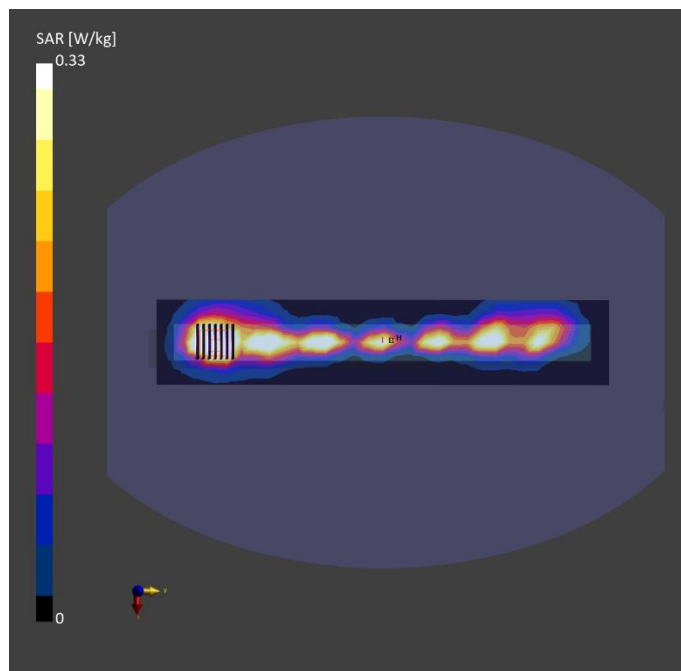
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 384.0	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]	0.561	0.581
psSAR-10g [W/kg]	0.265	0.258
Power Drift [dB]		-0.18
TSL Correction	Positive only	Positive only
M2 / M1 [%]		47.8
Dist 3dB Peak [mm]		7.0



Test Date : 2025-01-15 | Ambient Temp : 22.3 °C | Tissue Temp : 21.9 °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	G635L	A004	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	5.27	4.86	36.2

Hardware Setup

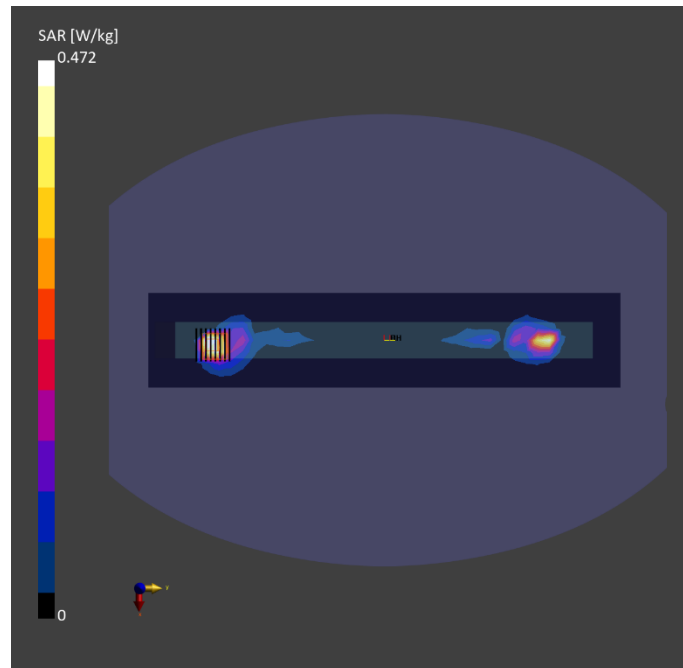
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 400.0	24.0 x 22.0 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]	0.427	0.539
psSAR-10g [W/kg]	0.138	0.130
Power Drift [dB]		0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.1
Dist 3dB Peak [mm]		5.6



Test Date : 2025-01-15 | Ambient Temp : 22.3 °C | Tissue Temp : 21.9 °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	G635L	A004	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	4.7	5.23	35.9

Hardware Setup

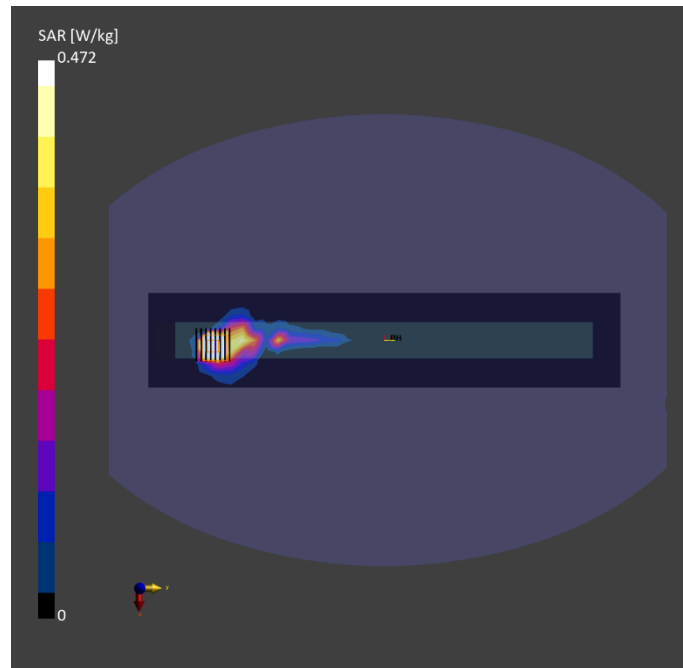
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 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]	0.668	0.867
psSAR-10g [W/kg]	0.223	0.214
Power Drift [dB]		0.07
TSL Correction	Positive only	Positive only
M2 / M1 [%]		58.5
Dist 3dB Peak [mm]		5.6



Test Date : 2025-01-15 | Ambient Temp : 22.3 °C | Tissue Temp : 21.9 °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	G635L	A004	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	4.73	5.19	36.1

Hardware Setup

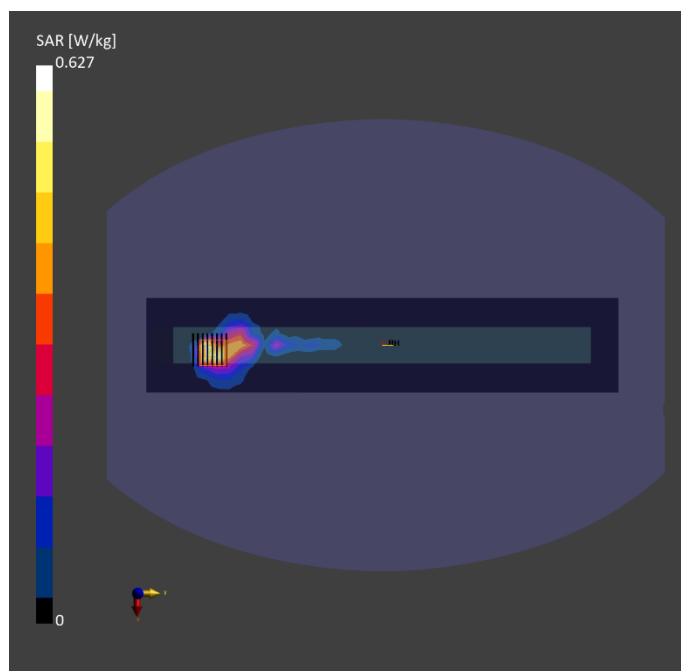
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 400.0	24.0 x 22.0 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]	0.480	0.619
psSAR-10g [W/kg]	0.172	0.160
Power Drift [dB]		0.07
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.3
Dist 3dB Peak [mm]		6.3



Test Date : 2025-01-14 | Ambient Temp : 22.2 °C | Tissue Temp : 22.0 °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	G635L	A004	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	7.09	1.87	38.5

Hardware Setup

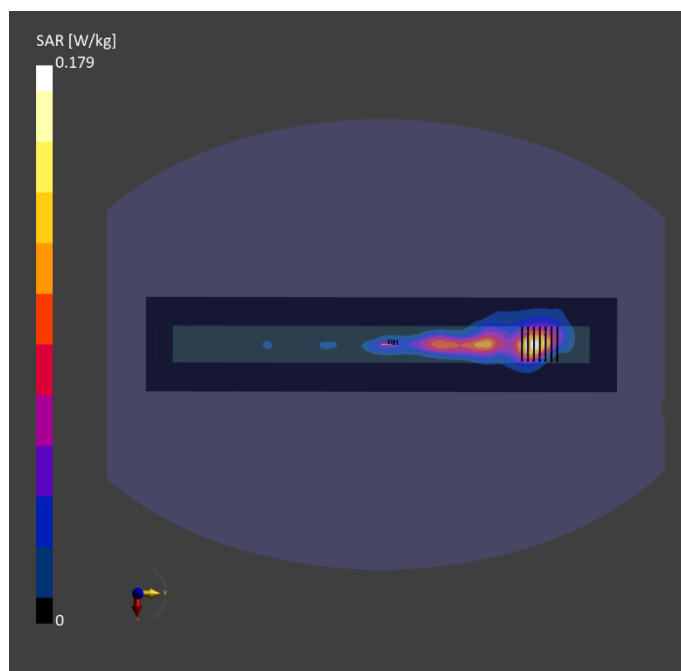
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

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
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]	0.096	0.099
psSAR-10g [W/kg]	0.044	0.043
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		71.0
Dist 3dB Peak [mm]		8.5



Test Date : 2025-01-16 | Ambient Temp : 22.1 °C | Tissue Temp : 21.8 °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	G635L	A004	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	4.64	6.52	30.8

Hardware Setup

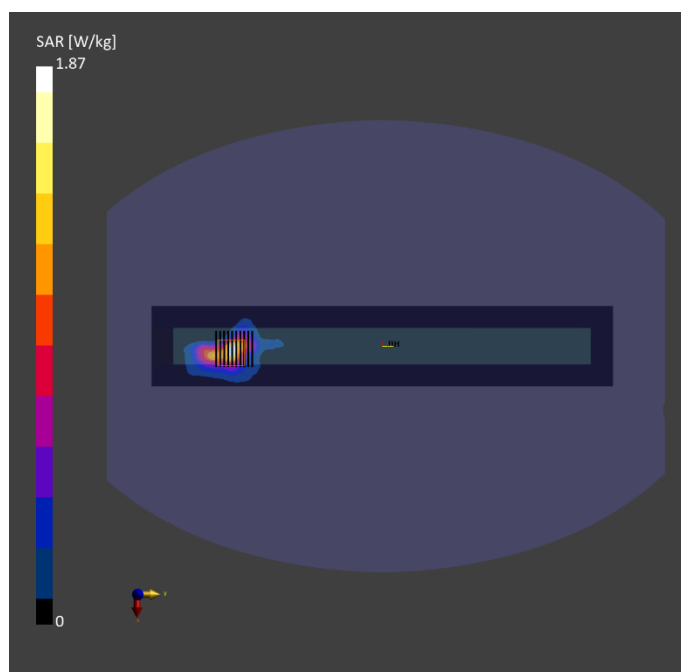
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

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]	0.598	0.643
psSAR-10g [W/kg]	0.194	0.195
psAPD (1.0 cm ² , sq) [W/m ²]		6.43
psAPD (4.0 cm ² , sq) [W/m ²]		4.43
Power Drift [dB]		-0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		49.0
Dist 3dB Peak [mm]		6.5



Test Date : 2025-01-14 | Ambient Temp : 22.2 °C | Tissue Temp : 22.0 °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	G635L	A004	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	7.09	1.83	38.5

Hardware Setup

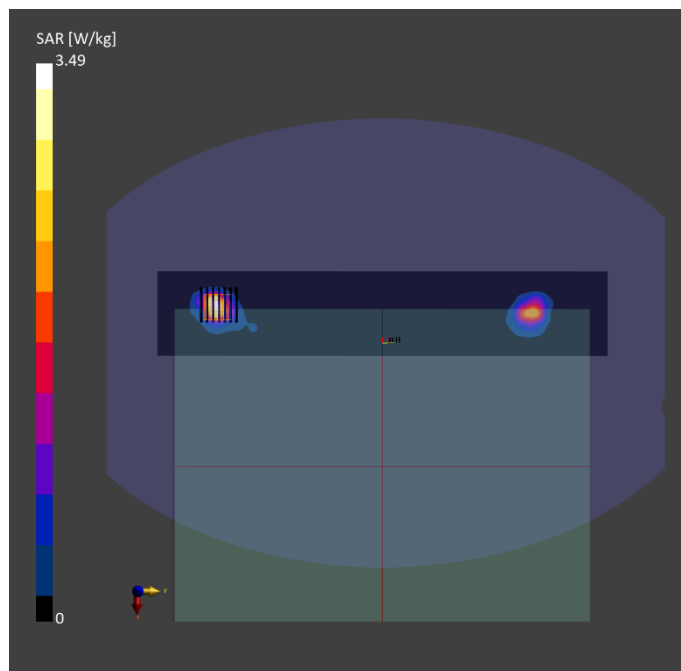
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 372.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 12.0	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]	3.39	3.90
psSAR-10g [W/kg]	1.47	1.52
Power Drift [dB]		-0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		74.8
Dist 3dB Peak [mm]		7.1



Test Date : 2025-01-15 | Ambient Temp : 22.3 °C | Tissue Temp : 21.9 °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	G635L	A004	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	5.27	4.86	36.2

Hardware Setup

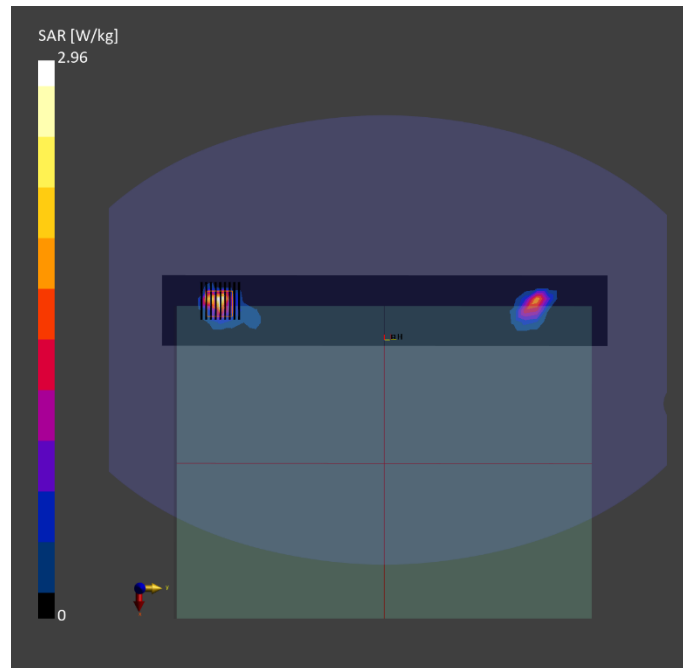
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 370.0	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]	2.03	2.53
psSAR-10g [W/kg]	0.613	0.693
Power Drift [dB]		-0.11
TSL Correction	Positive only	Positive only
M2 / M1 [%]		58.2
Dist 3dB Peak [mm]		5.8



Test Date : 2025-01-15 | Ambient Temp : 22.3 °C | Tissue Temp : 21.9 °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	G635L	A004	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	4.7	5.23	35.9

Hardware Setup

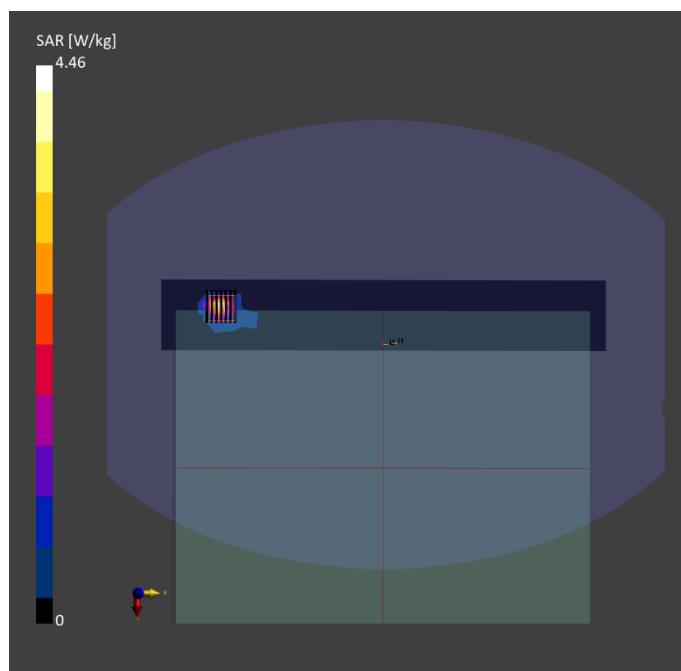
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 370.0	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]	2.91	3.80
psSAR-10g [W/kg]	0.843	0.958
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.3
Dist 3dB Peak [mm]		5.4



Test Date : 2025-01-15 | Ambient Temp : 22.3 °C | Tissue Temp : 21.9 °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	G635L	A004	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	4.73	5.19	36.1

Hardware Setup

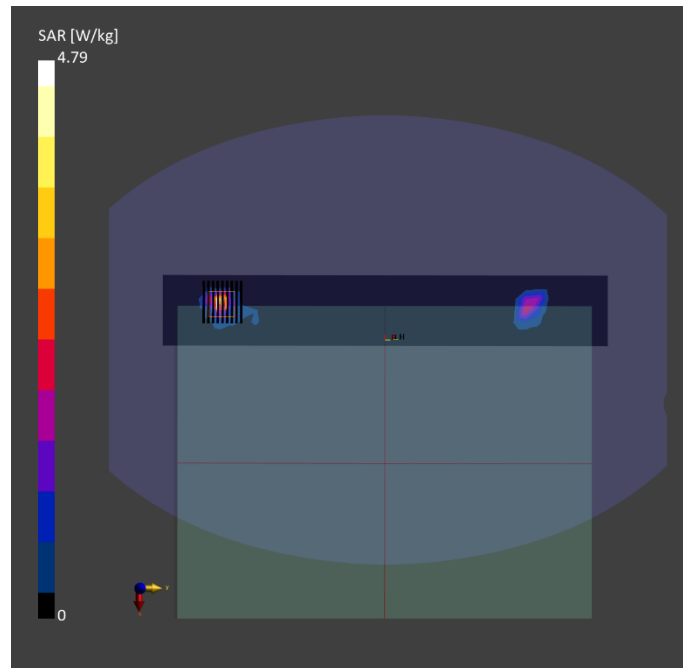
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 370.0	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]	2.46	3.28
psSAR-10g [W/kg]	0.705	0.804
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.2
Dist 3dB Peak [mm]		5.6



Test Date : 2025-01-14 | Ambient Temp : 22.2 °C | Tissue Temp : 22.0 °C

Test Mode**13_Bluetooth_GFSK_Top Side of keyboard_0mm_Ch39_Ant 1_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	G635L	A004	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	2441.000, 39	7.09	1.87	38.5

Hardware Setup

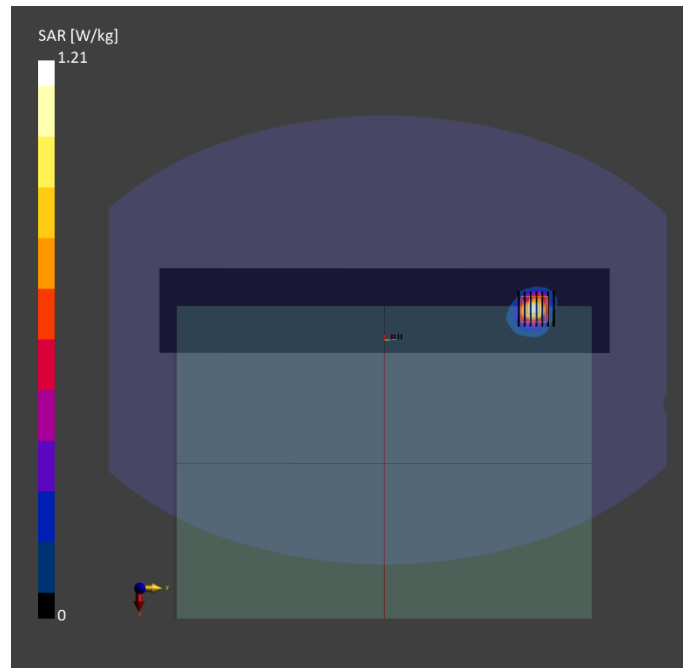
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 372.0	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]	0.986	1.11
psSAR-10g [W/kg]	0.427	0.443
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		47.0
Dist 3dB Peak [mm]		7.3



Test Date : 2025-01-16 | Ambient Temp : 22.1 °C | Tissue Temp : 21.8 °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	G635L	A004	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	4.64	5.58	33.1

Hardware Setup

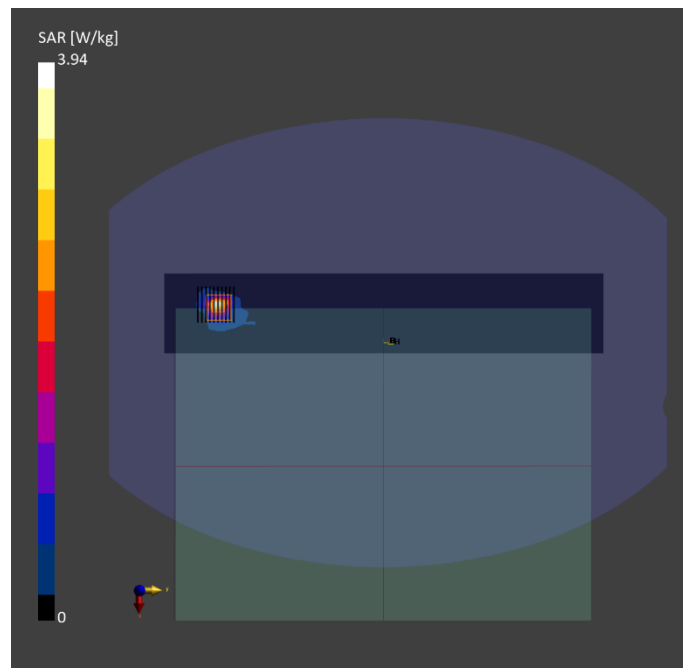
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	59.5 x 365.5	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]	2.65	3.27
psSAR-10g [W/kg]	0.717	0.799
psAPD (1.0 cm ² , sq) [W/m ²]		32.7
psAPD (4.0 cm ² , sq) [W/m ²]		18.7
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		52.2
Dist 3dB Peak [mm]		5.5



Test Date : 2025-01-17 | Ambient Temp : 22.1 °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	G635L	A004	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

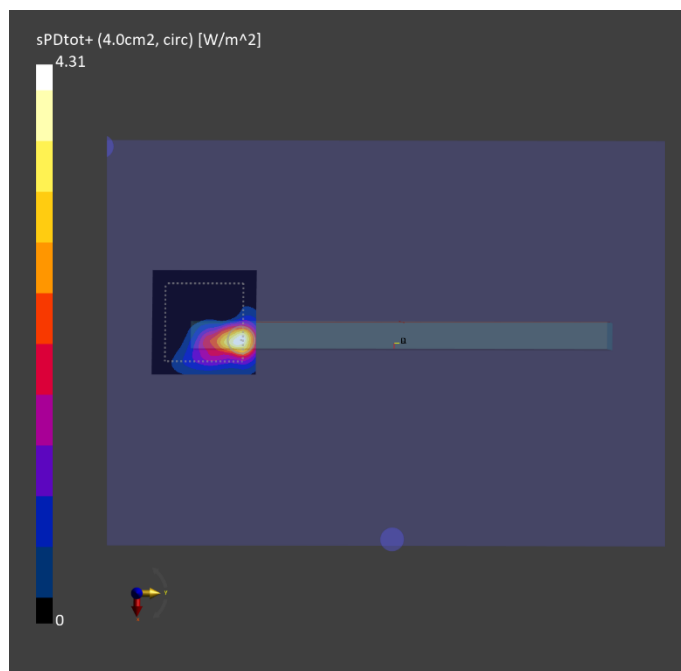
Phantom	Medium	Probe / Calibration Date	DAE / Calibration Date
mmWave - 1102	Air	EUmmWV4 - SN9639_F1-55GHz / 2024-09-16	DAE4 Sn1742 / 2024-08-15

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]	2.28
psPD tot+ [W/m ²]	4.31
psPD mod+ [W/m ²]	4.81
Peak PD tot [W/m ²]	8.62
Power Drift [dB]	-0.16



Test Date : 2025-01-20 | Ambient Temp : 21.5 °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	G635L	A004	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]	4.66
psPD tot+ [W/m ²]	9.75
psPD mod+ [W/m ²]	13.98
Peak PD tot [W/m ²]	48.7
Power Drift [dB]	0.12

