
Appendix C – Highest Test Plots

Test Date : 2024-08-23 | Ambient Temp : 22.9 °C | Tissue Temp : 22.2 °C

Test Mode**1_WLAN2.4G_802.11n HT40_Bottom of laptop_0mm_Ch11_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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	2462.000, 11	7.25	1.83	40.4

Hardware Setup

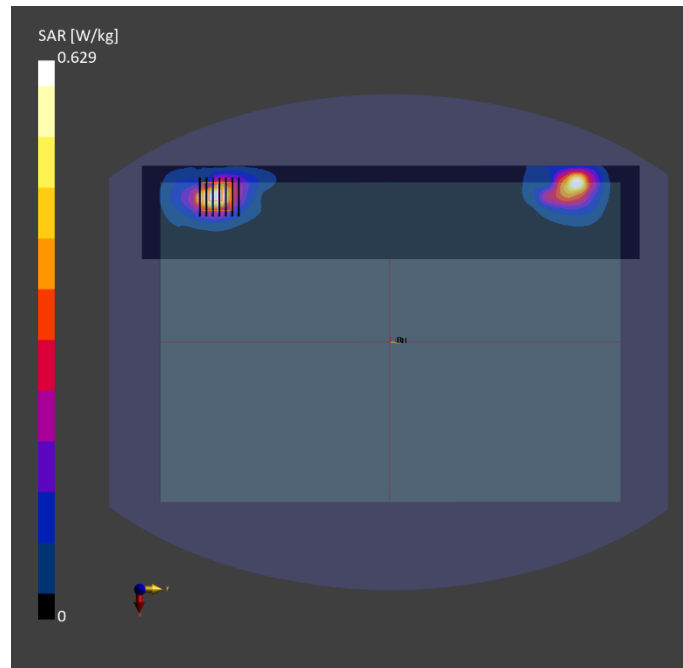
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	0.560	0.525
psSAR-10g [W/kg]	0.259	0.233
Power Drift [dB]		0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		37.9
Dist 3dB Peak [mm]		5.7



Test Date : 2024-08-24 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

Test Mode**2_WLAN5.3G_802.11ac VHT160_Bottom of laptop_0mm_Ch50_Ant 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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	5.56	4.57	35.6

Hardware Setup

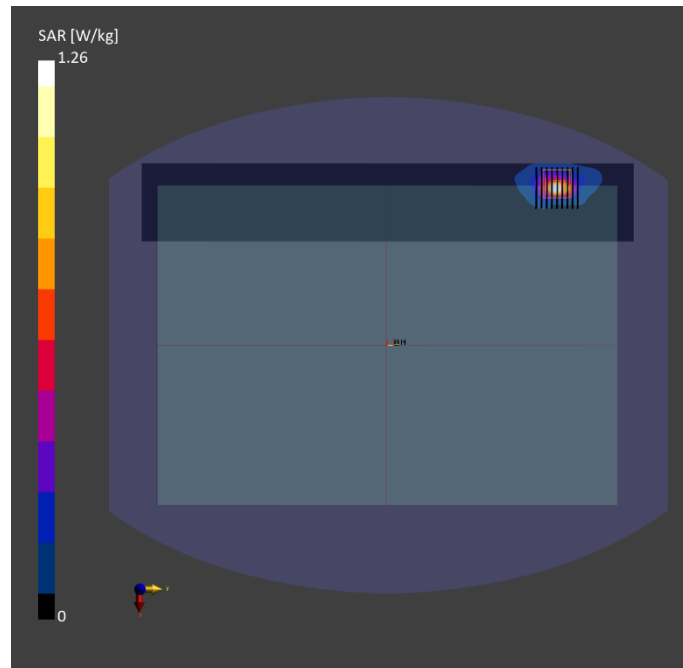
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	1.05	1.06
psSAR-10g [W/kg]	0.321	0.318
Power Drift [dB]		-0.07
TSL Correction	Positive only	Positive only
M2 / M1 [%]		63.5
Dist 3dB Peak [mm]		4.1



Test Date : 2024-08-24 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

Test Mode**3_WLAN5.6G_802.11ac VHT160_Bottom of laptop_0mm_Ch114_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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	5.07	4.93	35.1

Hardware Setup

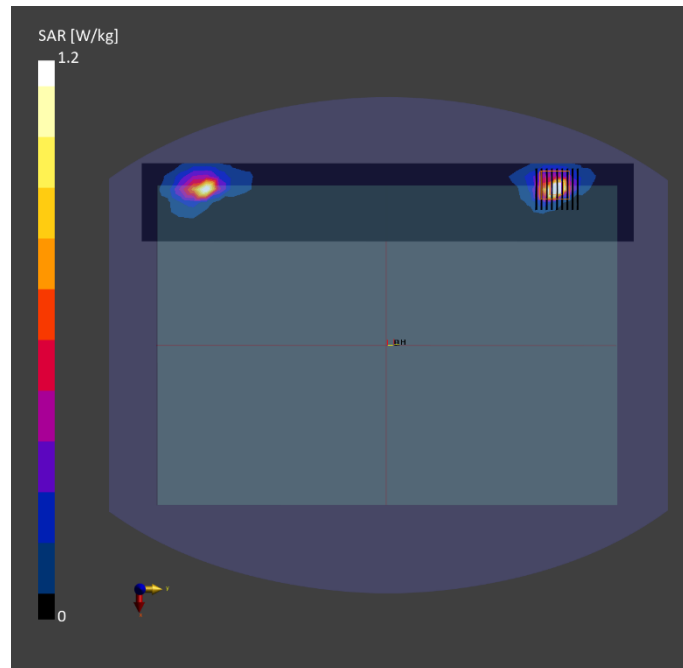
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	1.04	1.01
psSAR-10g [W/kg]	0.288	0.290
Power Drift [dB]		0.13
TSL Correction	Positive only	Positive only
M2 / M1 [%]		62.4
Dist 3dB Peak [mm]		4.8



Test Date : 2024-08-24 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

Test Mode**5_WLAN5.8G_802.11ac VHT160_Bottom of laptop_0mm_Ch163_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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	5815.000, 163	5.01	5.21	34.7

Hardware Setup

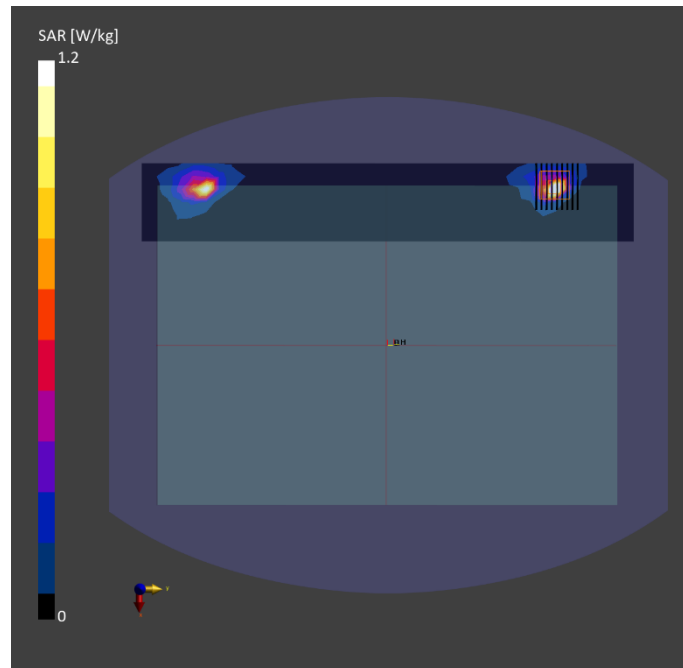
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	0.952	0.815
psSAR-10g [W/kg]	0.258	0.235
Power Drift [dB]		0.17
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.0
Dist 3dB Peak [mm]		5.4



Test Date : 2024-08-23 | Ambient Temp : 22.9 °C | Tissue Temp : 22.2 °C

Test Mode**6_U-NII 8_802.11be EHT320_Bottom of laptop_0mm_Ch191_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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, 11026 - AAB	6905.000, 191	5.25	6.60	32.9

Hardware Setup

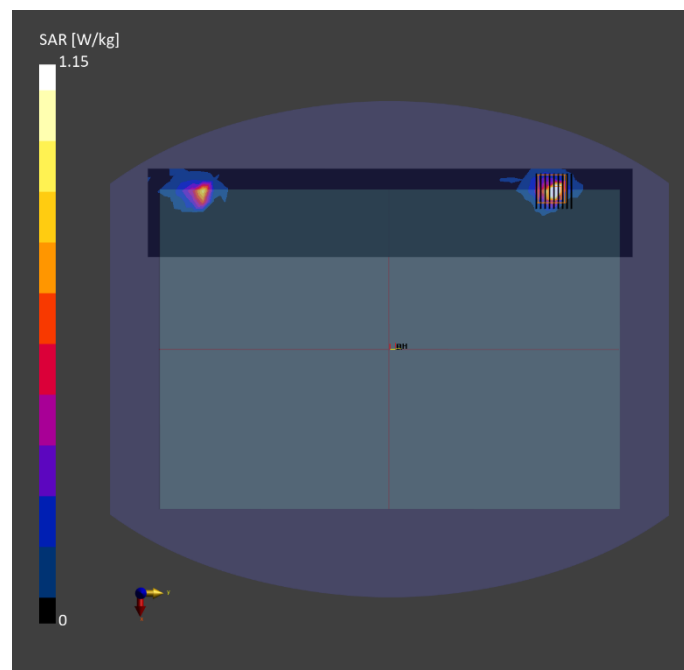
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	1.05	1.18
psSAR-10g [W/kg]	0.245	0.241
psAPD (1.0 cm ² , sq) [W/m ²]		11.8
psAPD (4.0 cm ² , sq) [W/m ²]		5.80
Power Drift [dB]		0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		47.9
Dist 3dB Peak [mm]		5.5



Test Date : 2024-08-23 | Ambient Temp : 22.9 °C | Tissue Temp : 22.2 °C

Test Mode**7_Bluetooth_GFSK_Bottom of laptop_0mm_Ch39_Ant 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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	7.25	1.81	40.4

Hardware Setup

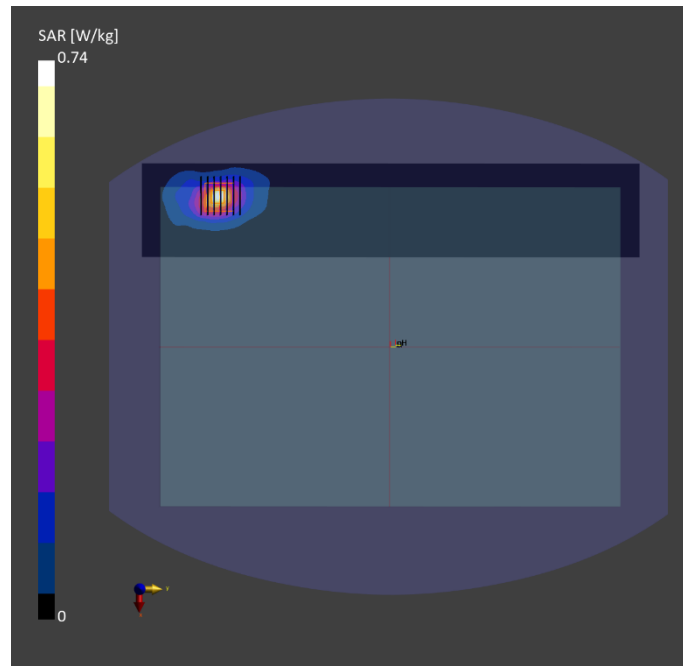
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	0.404	0.423
psSAR-10g [W/kg]	0.181	0.187
Power Drift [dB]		0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		44.6
Dist 3dB Peak [mm]		5.4



Test Date : 2024-08-23 | Ambient Temp : 22.9 °C | Tissue Temp : 22.2 °C

Test Mode**8_WLAN2.4G_802.11n_HT40_Top Side of keyboard_0mm_Ch11_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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	2462.000, 11	7.25	1.83	40.4

Hardware Setup

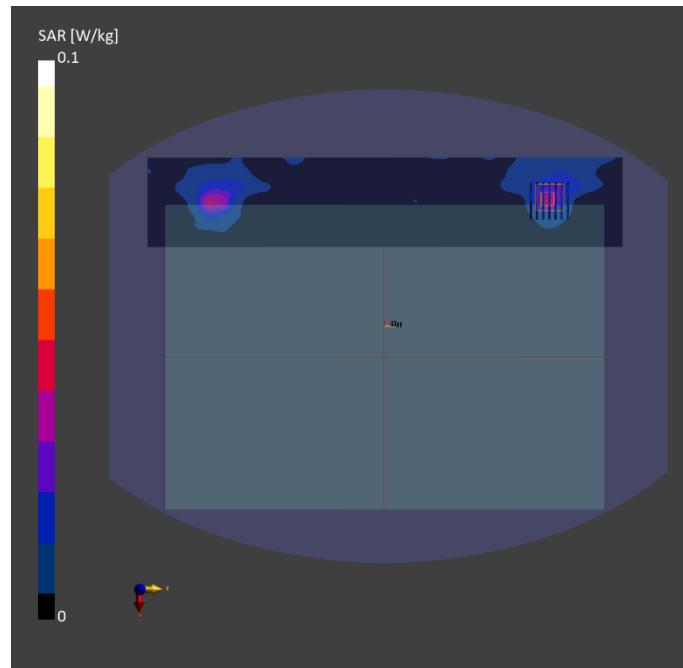
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	0.034	0.038
psSAR-10g [W/kg]	0.016	0.022
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.2
Dist 3dB Peak [mm]		10.3



Test Date : 2024-08-24 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

Test Mode**9_WLAN5.3G_802.11ac VHT160_Top Side of keyboard_0mm_Ch50_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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	5.56	4.57	35.6

Hardware Setup

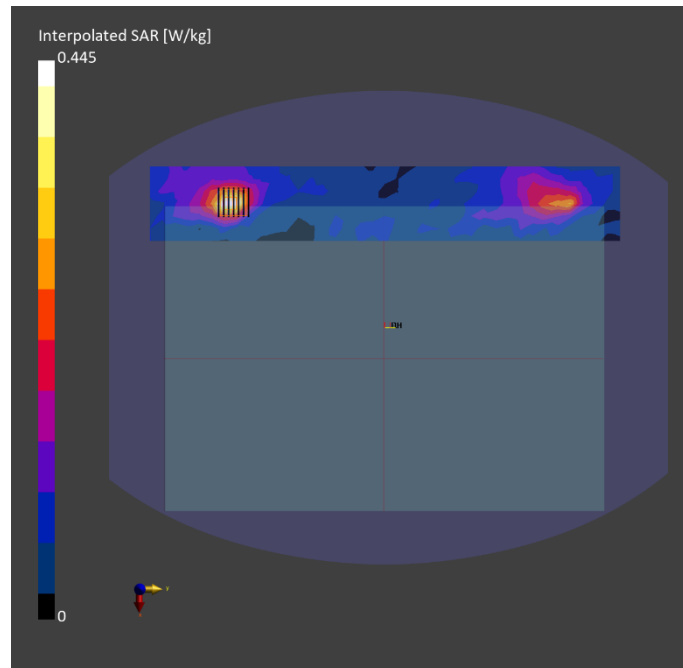
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	0.123	0.137
psSAR-10g [W/kg]	0.048	0.065
Power Drift [dB]		-0.15
TSL Correction	Positive only	Positive only
M2 / M1 [%]		65.5
Dist 3dB Peak [mm]		9.2



Test Date : 2024-08-24 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

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

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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	5.07	4.93	35.1

Hardware Setup

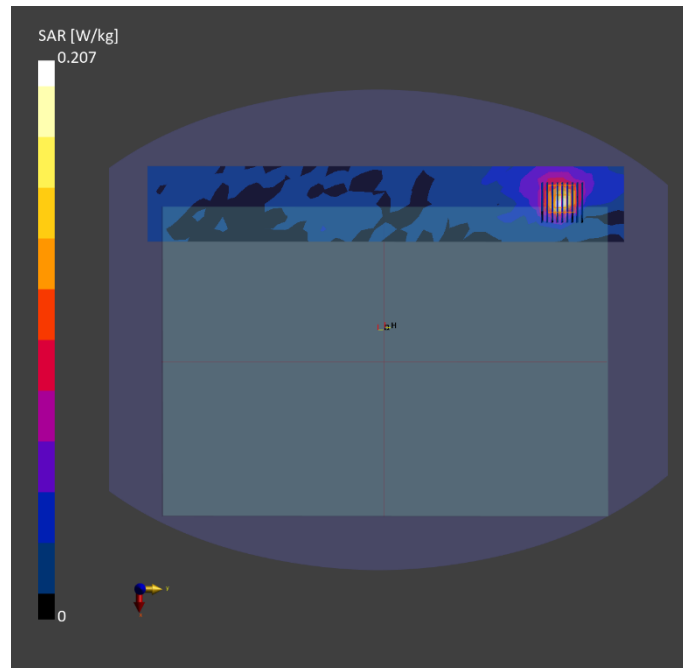
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	0.147	0.161
psSAR-10g [W/kg]	0.055	0.075
Power Drift [dB]		-0.18
TSL Correction	Positive only	Positive only
M2 / M1 [%]		62.3
Dist 3dB Peak [mm]		8.7



Test Date : 2024-08-24 | Ambient Temp : 22.8 °C | Tissue Temp : 22.3 °C

Test Mode**12_WLAN5.8G_802.11ac VHT160_Top Side of keyboard_0mm_Ch163_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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	5815.000, 163	5.01	5.21	34.7

Hardware Setup

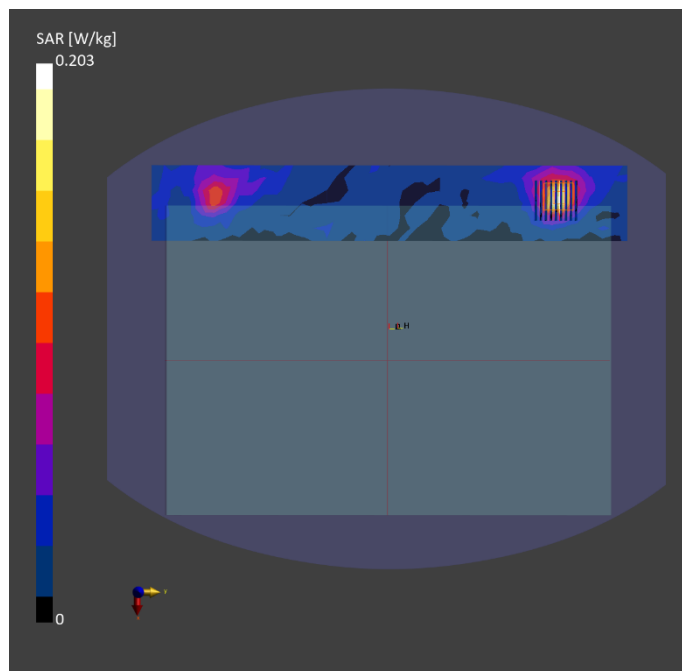
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	0.145	0.166
psSAR-10g [W/kg]	0.057	0.078
Power Drift [dB]		0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		64.1
Dist 3dB Peak [mm]		9.4



Test Date : 2024-08-23 | Ambient Temp : 22.9 °C | Tissue Temp : 22.2 °C

Test Mode**13_U-NII 8_802.11be EHT320_Top Side of keyboard_0mm_Ch191_Ant 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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, 11026 - AAB	6905.000, 191	5.25	6.60	32.9

Hardware Setup

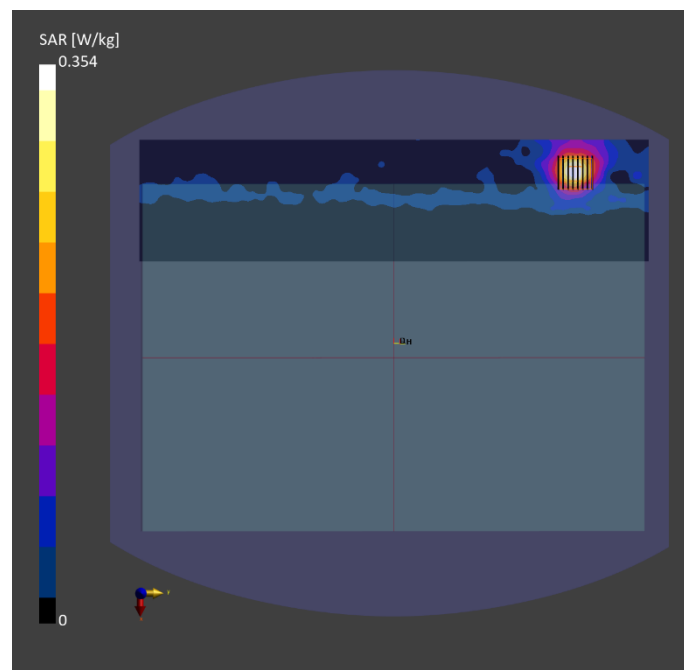
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	0.142	0.137
psSAR-10g [W/kg]	0.53	0.049
psAPD (1.0 cm ² , sq) [W/m ²]		1.37
psAPD (4.0 cm ² , sq) [W/m ²]		1.11
Power Drift [dB]		0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		53.3
Dist 3dB Peak [mm]		9.1



Test Date : 2024-08-23 | Ambient Temp : 22.9 °C | Tissue Temp : 22.2 °C

Test Mode**14_Bluetooth_GFSK_Top Side of keyboard_0mm_Ch39_Ant 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	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	7.25	1.81	40.4

Hardware Setup

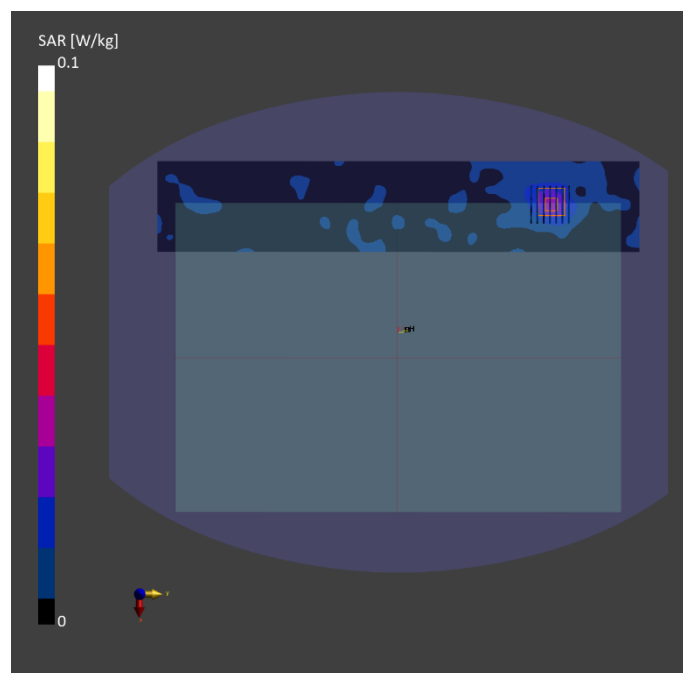
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1669 / 2024-05-16

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]	0.025	0.033
psSAR-10g [W/kg]	0.013	0.019
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.9
Dist 3dB Peak [mm]		9.5



Test Date : 2024-08-29 | Ambient Temp : 22.3 °C

Test Mode**15_U-NII 8_802.11be EHT320_Bottom of laptop_0mm_Ch191_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-8	WLAN, 10755 - AAC	6905.0, 191	1.0

Hardware Setup

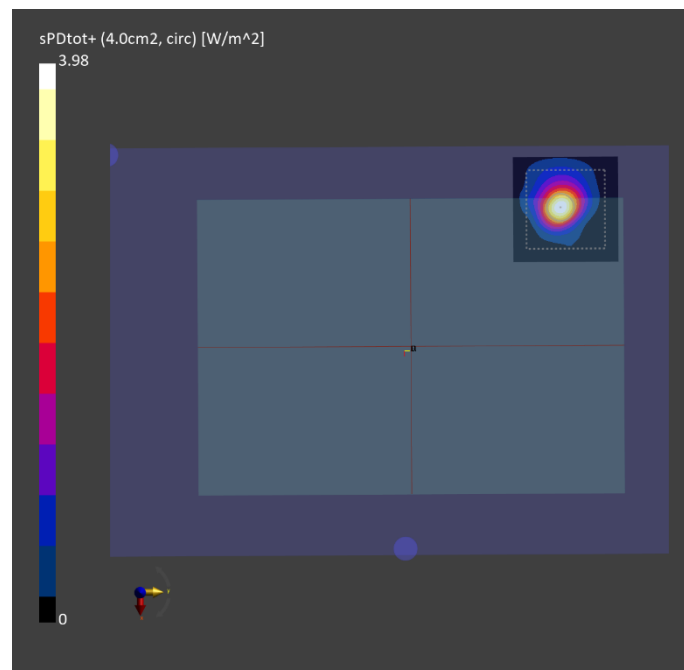
Phantom	Medium	Probe Calibration Date	DAE Calibration Date
mmWave - 1102	Air	EUmmWV3 - SN9403_F1-55GHz / 2023-12-05	DAE4 Sn1741 / 2024-07-16

Scan Setup

	5G Scan
Grid Extents [mm]	87.0 x 87.0
Grid Steps [mm]	0.0575 x 0.0575
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	3.11
psPD tot+ [W/m ²]	3.99
psPD mod+ [W/m ²]	4.16
E max [V/m]	46.3
Power Drift [dB]	-0.10



Test Date : 2024-08-29 | Ambient Temp : 22.3 °C

Test Mode**16_U-NII 8_802.11be EHT320_Top Side of keyboard_0mm_Ch191_Ant 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	S5606S	A002	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-8	WLAN, 10755 - AAC	6905.0, 191	1.0

Hardware Setup

Phantom	Medium	Probe Calibration Date	DAE Calibration Date
mmWave - 1102	Air	EUmmWV3 - SN9403_F1-55GHz / 2023-12-05	DAE4 Sn1741 / 2024-07-16

Scan Setup

	5G Scan
Grid Extents [mm]	87.0 x 87.0
Grid Steps [mm]	0.0575 x 0.0575
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	0.151
psPD tot+ [W/m ²]	0.511
psPD mod+ [W/m ²]	0.567
E max [V/m]	14.0
Power Drift [dB]	0.11

