

Appendix C - Highest Measurement Plots

Test Date : 2023-10-02 | Ambient Temp : 22.0 °C | Tissue Temp : 21.8 °C

Test Mode

9_WLAN 2.4 GHz_802.11b_20M_Bottom of laptop_0mm_Ch6_Ant 0_Ant Brand 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000310347	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, 10415 - AAA	2437.000, 6	8.2	1.82	40.7

Hardware Setup

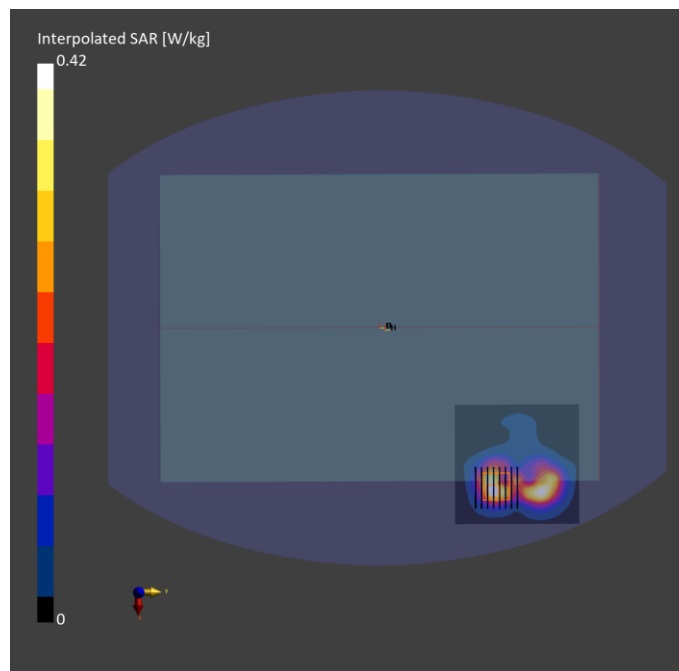
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000_230322	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 100.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 x 10.0	4.8 x 4.8 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]	0.177	0.170
psSAR-10g [W/kg]	0.086	0.080
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		73.7
Dist 3dB Peak [mm]		6.2



Test Date : 2023-10-02 | Ambient Temp : 22.1 °C | Tissue Temp : 21.7 °C

Test Mode

10_WLAN 5 GHz_802.11a_20M_Bottom of laptop_0mm_Ch60_Ant 0_Ant Brand 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000310347	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10417 - AAC	5300.000, 60	5.91	4.88	38.5

Hardware Setup

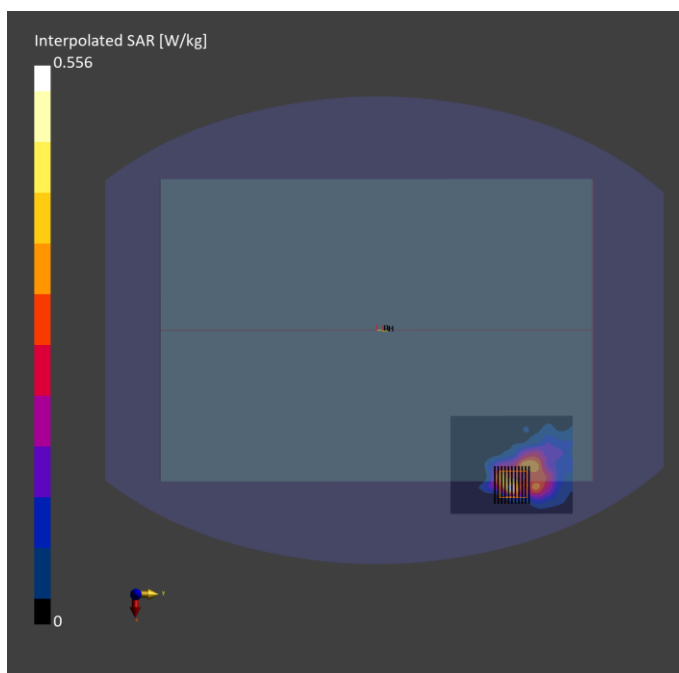
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000_230322	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	2.8 x 2.8 x 1.2
Sensor Surface [mm]	3.0	1.4
Graded Grid	N/A	Yes
Grading Ratio	N/A	1.2

Measurement Results

	Area Scan	Zoom Scan
psSAR-1g [W/kg]	0.133	0.120
psSAR-10g [W/kg]	0.049	0.042
Power Drift [dB]		-0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		70.2
Dist 3dB Peak [mm]		3.6



Test Date : 2023-10-02 | Ambient Temp : 22.2 °C | Tissue Temp : 21.8°C

Test Mode

11_WLAN 5 GHz_802.11a_20M_Bottom of laptop_0mm_Ch116_Ant 0_Ant Brand 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000310347	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10417 - AAC	5580.000, 116	5.25	5.22	37.9

Hardware Setup

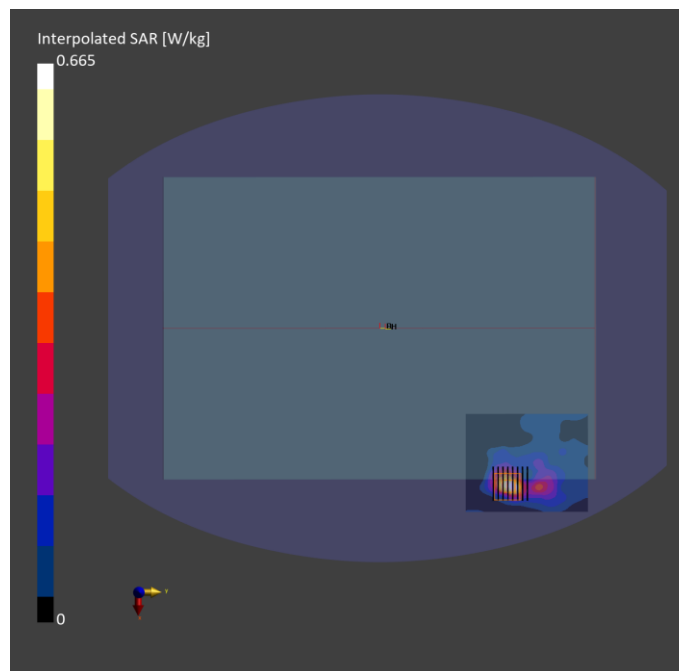
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000_230322	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 100.0	22.0 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]	0.165	0.158
psSAR-10g [W/kg]	0.055	0.052
Power Drift [dB]		0.18
TSL Correction	Positive only	Positive only
M2 / M1 [%]		71.5
Dist 3dB Peak [mm]		5.4



Test Date : 2023-10-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.8°C

Test Mode

12_WLAN 5 GHz_802.11a_20M_Bottom of laptop_0mm_Ch165_Ant 0_Ant Brand 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000310347	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10417 - AAC	5825.000, 165	5.28	5.52	37.5

Hardware Setup

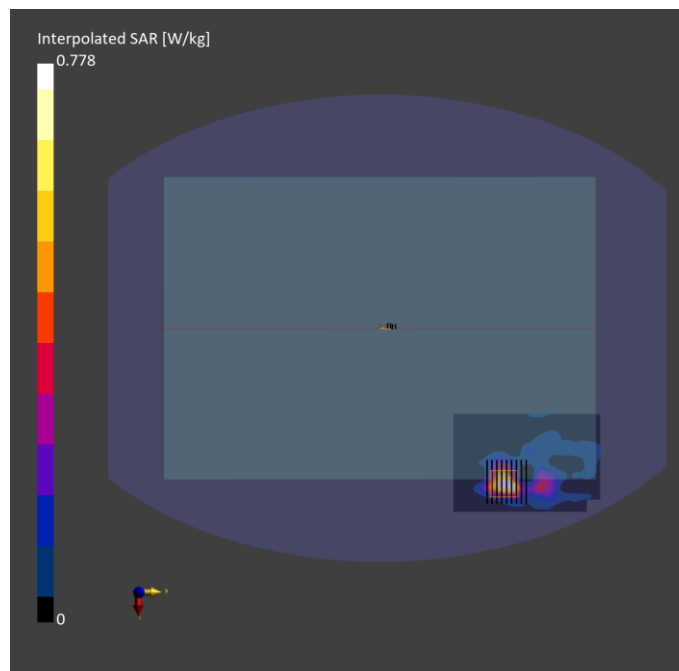
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000_230322	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 120.0	22.0 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]	0.168	0.177
psSAR-10g [W/kg]	0.057	0.054
Power Drift [dB]		0.07
TSL Correction	Positive only	Positive only
M2 / M1 [%]		68.4
Dist 3dB Peak [mm]		6.6



Test Date : 2023-10-03 | Ambient Temp : 22.0 °C | Tissue Temp : 22.2°C

Test Mode

13_WLAN 6 GHz_802.11ax HE 160_Bottom of laptop_0mm_Ch47_Ant 0_Ant Brand 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000310347	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	6185.000, 47	5.4	6.00	36.8

Hardware Setup

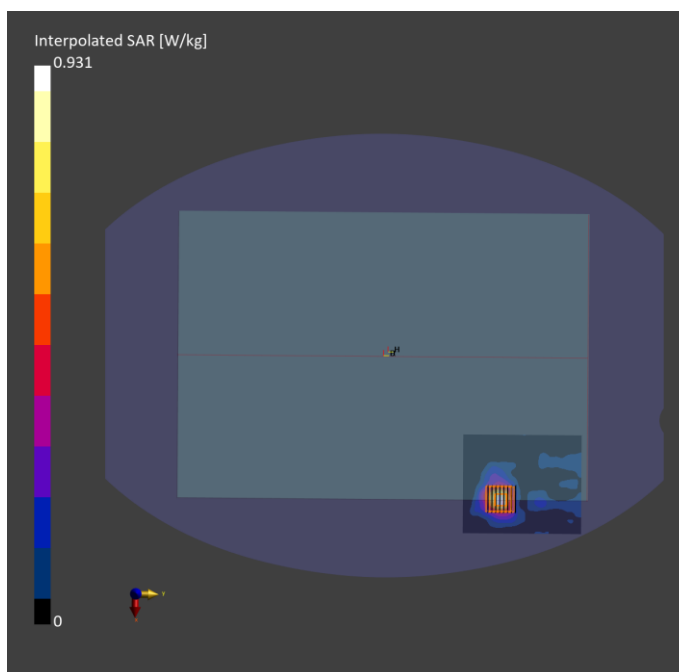
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000_230322	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 102.0	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]	0.202	0.202
psSAR-10g [W/kg]	0.069	0.063
psAPD (1.0 cm ² , sq) [W/m ²]		2.02
psAPD (4.0 cm ² , sq) [W/m ²]		1.46
Power Drift [dB]		0.20
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.3
Dist 3dB Peak [mm]		7.8



Test Date : 2023-10-03 | Ambient Temp : 22.1 °C | Tissue Temp : 22.3°C

Test Mode

14_WLAN 6 GHz_802.11ax HE 160_Bottom of laptop_0mm_Ch111_Ant 0_Ant Brand 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000310347	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	5.4	6.40	36.2

Hardware Setup

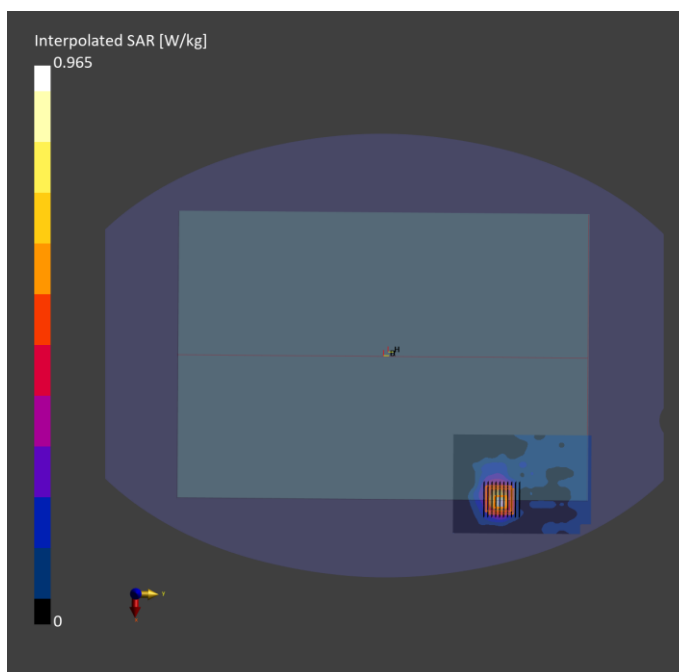
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000_230322	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 119.0	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]	0.176	0.188
psSAR-10g [W/kg]	0.060	0.055
psAPD (1.0 cm ² , sq) [W/m ²]		1.88
psAPD (4.0 cm ² , sq) [W/m ²]		1.27
Power Drift [dB]		-0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.0
Dist 3dB Peak [mm]		6.5



Test Date : 2023-10-03 | Ambient Temp : 22.2 °C | Tissue Temp : 22.3 °C

Test Mode

15_WLAN 6 GHz_802.11ax HE 160_Bottom of laptop_0mm_Ch175_Ant 0_Ant Brand 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000310347	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	6825.000, 175	5.4	6.82	35.6

Hardware Setup

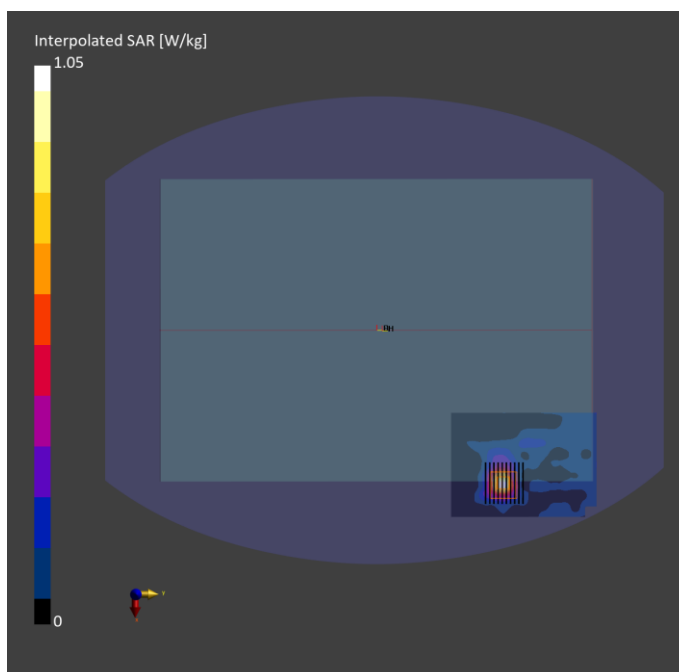
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000_230322	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 119.0	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]	0.186	0.195
psSAR-10g [W/kg]	0.061	0.057
psAPD (1.0 cm ² , sq) [W/m ²]		1.95
psAPD (4.0 cm ² , sq) [W/m ²]		1.32
Power Drift [dB]		-1.22
TSL Correction	No correction	No correction
M2 / M1 [%]		44.8
Dist 3dB Peak [mm]		7.3



Test Date : 2023-10-03 | Ambient Temp : 22.3 °C | Tissue Temp : 22.4 °C

Test Mode

16_WLAN 6 GHz_802.11ax HE 160_Bottom of laptop_0mm_Ch207_Ant 0_Ant Brand 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000310347	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	5.4	7.02	35.3

Hardware Setup

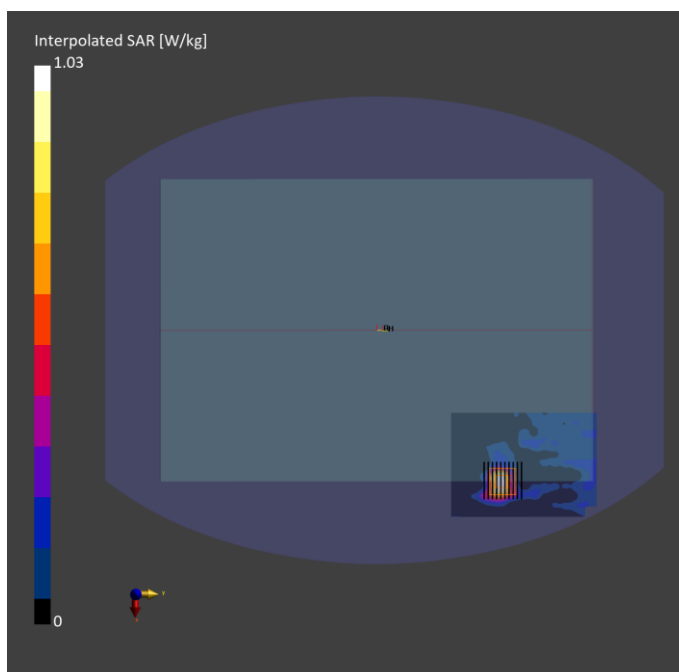
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000_230322	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 119.0	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]	0.173	0.179
psSAR-10g [W/kg]	0.060	0.051
psAPD (1.0 cm ² , sq) [W/m ²]		1.79
psAPD (4.0 cm ² , sq) [W/m ²]		1.19
Power Drift [dB]		0.10
TSL Correction	Positive only	Positive only
M2 / M1 [%]		53.8
Dist 3dB Peak [mm]		7.1



Test Date : 2024-03-21 | Ambient Temp : 22.6 °C

Test Mode

13_WLAN6G_802.11ax HE160_Bottom of Laptop_0mm_Ch47_Ant 0_INPAQ

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	A003	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-5	WLAN, 10755 - AAC	6185.0, 47	1.0

Hardware Setup

Phantom	Medium	Probe / Calibration Date	DAE / Calibration Date
mmWave - 1102	Air	EUmmWV3 - SN9403_F1-55GHz / 2023-12-05	DAE4 Sn1741 / 2023-08-23

Scan Setup

	5G Scan
Grid Extents [mm]	97.0 x 97.0
Grid Steps [mm]	0.0515 x 0.0515
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	1.37
psPD tot+ [W/m ²]	1.52
psPD mod+ [W/m ²]	1.81
E max [V/m]	41.2
Power Drift [dB]	-0.05

