

Appendix C - Highest Measurement Plots

Test Date : 2023-10-04 | Ambient Temp : 22.5 °C | Tissue Temp : 22.0 °C

Test Mode

1_WLAN 2.4 GHz_802.11b_Bottom of laptop_0 mm_Ch6_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000765344	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

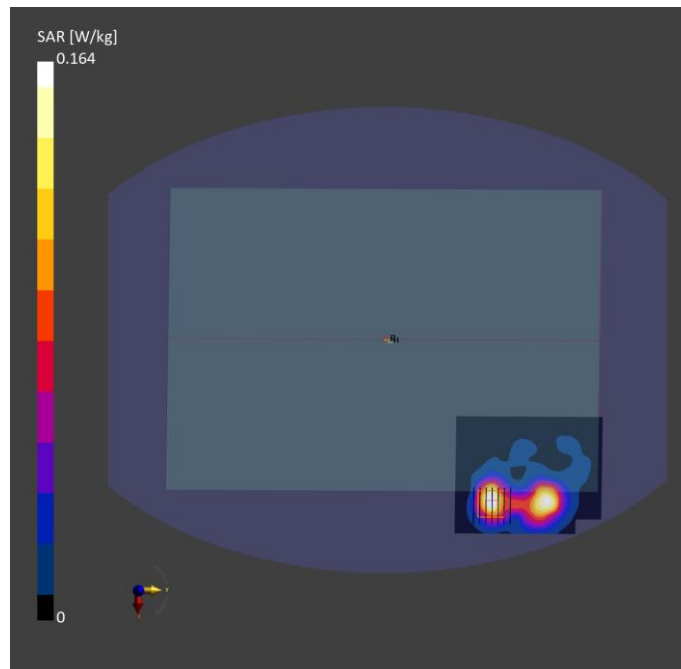
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 x 120.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	12.0 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]	0.091	0.088
psSAR-10g [W/kg]	0.044	0.040
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		74.5
Dist 3dB Peak [mm]		6.5



Test Date : 2023-10-03 | Ambient Temp : 22.5 °C | Tissue Temp : 21.6 °C

Test Mode

2_WLAN 5 GHz_802.11a_Bottom of laptop_0 mm_Ch60_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000765344	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

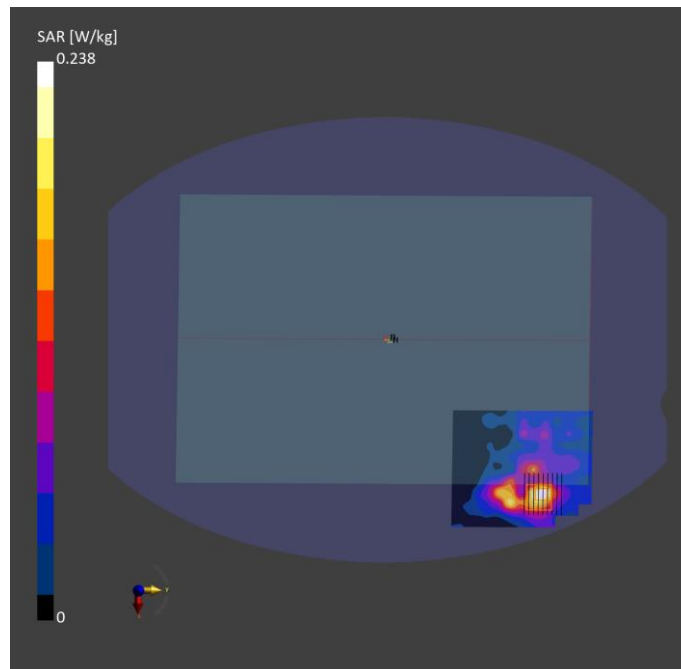
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	100.0 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]	0.10	0.119
psSAR-10g [W/kg]	0.038	0.049
Power Drift [dB]		-0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		71.2
Dist 3dB Peak [mm]		7.9



Test Date : 2023-10-04 | Ambient Temp : 22.2 °C | Tissue Temp : 21.7 °C

Test Mode

3_WLAN 5 GHz_802.11a_Bottom of laptop_0 mm_Ch116_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000765344	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

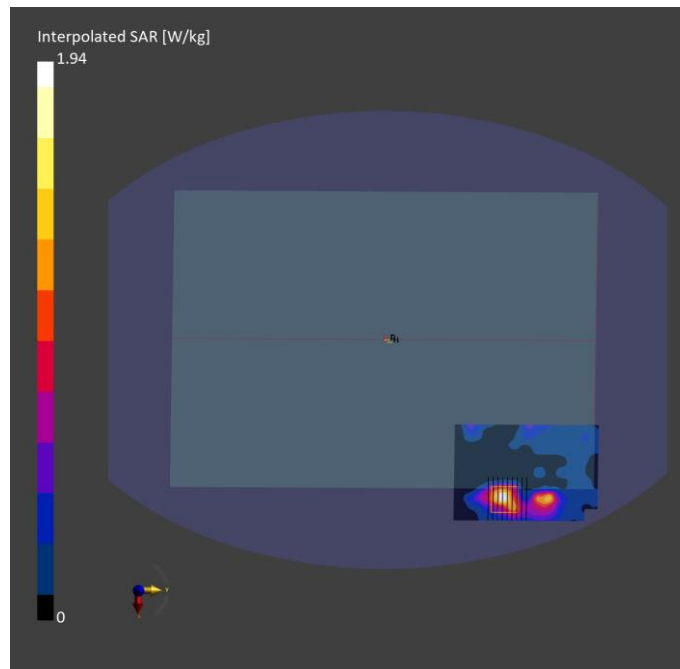
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

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]	0.124	0.124
psSAR-10g [W/kg]	0.043	0.043
Power Drift [dB]		-0.14
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.8
Dist 3dB Peak [mm]		8.2



Test Date : 2023-10-04 | Ambient Temp : 22.4 °C | Tissue Temp : 21.8 °C

Test Mode

4_WLAN 5 GHz_802.11a_Bottom of laptop_0 mm_Ch165_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000765344	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

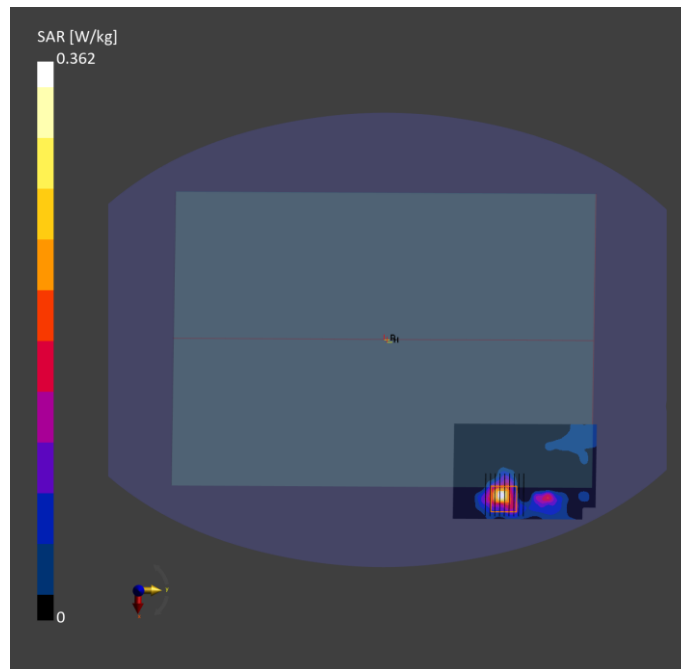
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

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]	0.151	0.129
psSAR-10g [W/kg]	0.048	0.031
Power Drift [dB]		0.11
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.0
Dist 3dB Peak [mm]		6.9



Test Date : 2023-10-03 | Ambient Temp : 22.8 °C | Tissue Temp : 21.8 °C

Test Mode

5_WLAN 6 GHz_802.11ax HE 160_Bottom of laptop_0 mm_Ch79_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000765344	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	5.4	6.20	36.5

Hardware Setup

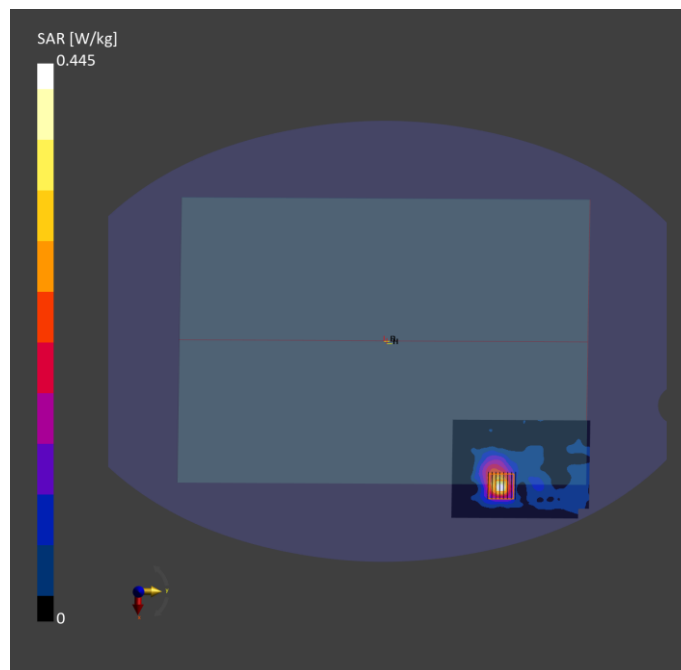
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

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]	0.151	0.165
psSAR-10g [W/kg]	0.052	0.052
psAPD (1.0 cm ² , sq) [W/m ²]		1.65
psAPD (4.0 cm ² , sq) [W/m ²]		1.18
Power Drift [dB]		0.15
TSL Correction	Positive only	Positive only
M2 / M1 [%]		58.7
Dist 3dB Peak [mm]		7.4



Test Date : 2023-10-03 | Ambient Temp : 22.5 °C | Tissue Temp : 21.8 °C

Test Mode

6_WLAN 6 GHz_802.11ax HE 160_Bottom of laptop_0 mm_Ch111_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000765344	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

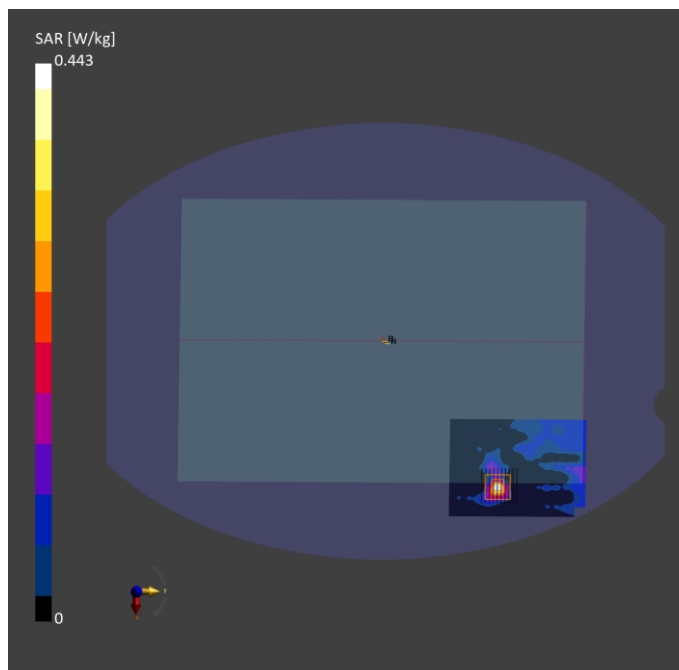
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

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]	0.112	0.143
psSAR-10g [W/kg]	0.029	0.038
psAPD (1.0 cm ² , sq) [W/m ²]		1.43
psAPD (4.0 cm ² , sq) [W/m ²]		0.891
Power Drift [dB]		0.18
TSL Correction	Positive only	Positive only
M2 / M1 [%]		58.7
Dist 3dB Peak [mm]		6.5



Test Date : 2023-10-03 | Ambient Temp : 22.6 °C | Tissue Temp : 21.8 °C

Test Mode

7_WLAN 6 GHz_802.11ax HE 160_Bottom of laptop_0 mm_Ch175_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000765344	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

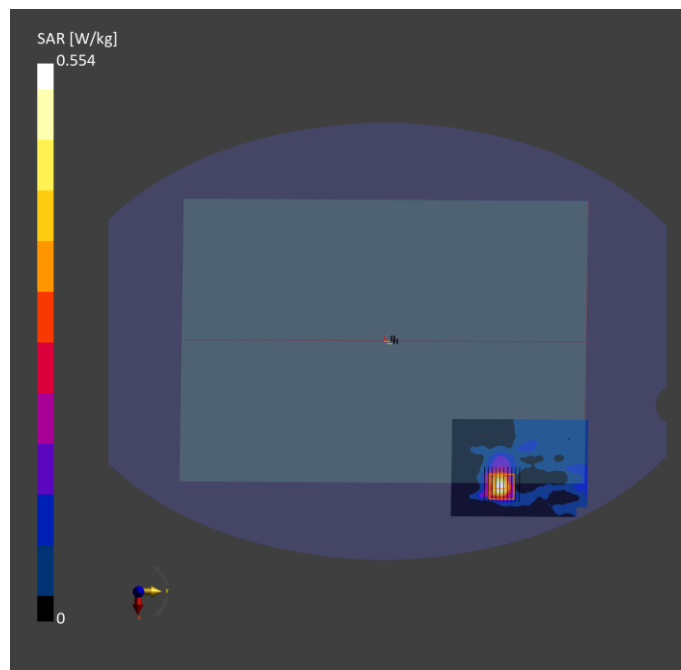
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

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]	0.183	0.188
psSAR-10g [W/kg]	0.062	0.054
psAPD (1.0 cm ² , sq) [W/m ²]		1.88
psAPD (4.0 cm ² , sq) [W/m ²]		1.26
Power Drift [dB]		0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		56.3
Dist 3dB Peak [mm]		7.1



Test Date : 2023-10-03 | Ambient Temp : 22.6 °C | Tissue Temp : 21.8 °C

Test Mode

8_WLAN 6 GHz_802.11ax HE 160_Bottom of laptop_0 mm_Ch207_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GU605M	R8NTCX000765344	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	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	0.134
psSAR-10g [W/kg]	0.056	0.032
psAPD (1.0 cm ² , sq) [W/m ²]		1.34
psAPD (4.0 cm ² , sq) [W/m ²]		0.778
Power Drift [dB]		0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.7
Dist 3dB Peak [mm]		3.8

