
Appendix C – Highest Test Plots

Test Date : 2024-05-14 | Ambient Temp : 22.5 °C | Tissue Temp : 21.3 °C

Test Mode**1_WLAN 2.4G_802.11b_Bottom of laptop_0mm_Ch12_Ant 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX5606SA	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, 10012 - CAB	2467.000, 12	7.7	1.86	41.1

Hardware Setup

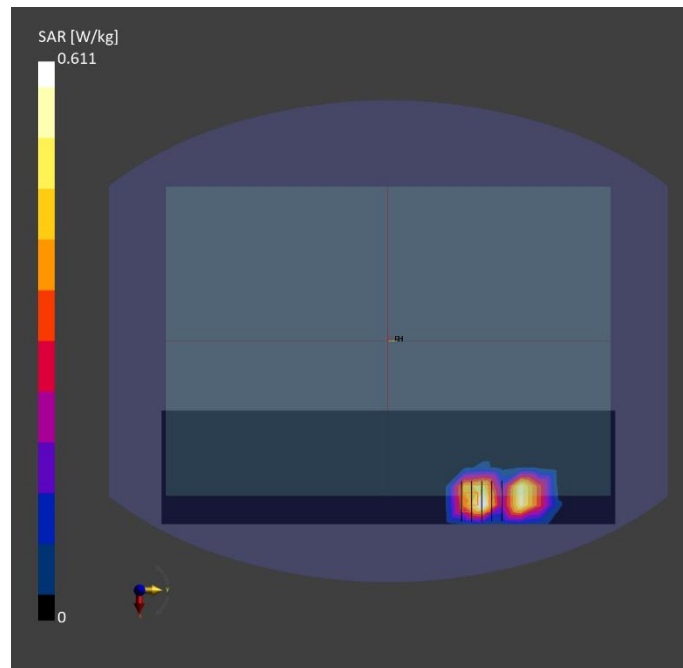
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2023-08-24	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 360.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 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]	0.519	0.417
psSAR-10g [W/kg]	0.267	0.209
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		42.7
Dist 3dB Peak [mm]		8.0



Test Date : 2024-05-14 | Ambient Temp : 22.5 °C | Tissue Temp : 21.3 °C

Test Mode**2_WLAN 5.3G_802.11ac VHT160_Bottom of laptop_0mm_Ch50_Ant 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX5606SA	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 - AAD	5250.000, 50	5.19	4.68	36.9

Hardware Setup

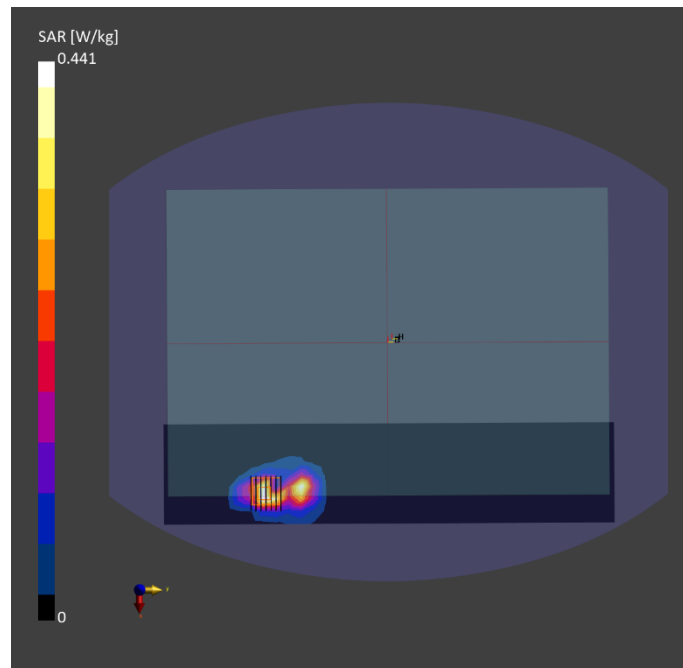
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2023-08-24	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 360.0	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]	0.324	0.343
psSAR-10g [W/kg]	0.112	0.110
Power Drift [dB]		0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		65.8
Dist 3dB Peak [mm]		4.0



Test Date : 2024-05-14 | Ambient Temp : 22.5 °C | Tissue Temp : 21.3 °C

Test Mode**3_WLAN 5.6G_802.11ac VHT160_Bottom of laptop_0mm_Ch114_Ant 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX5606SA	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 - AAD	5570.000, 114	4.57	5.05	36.3

Hardware Setup

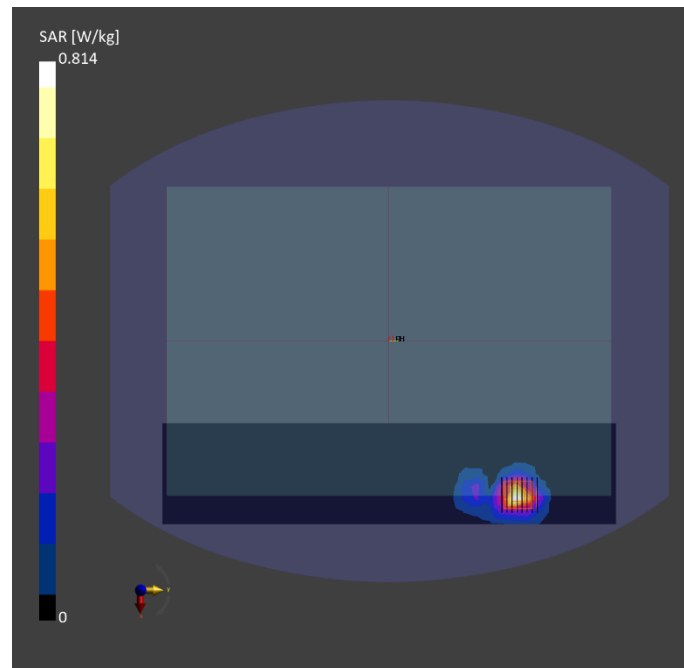
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2023-08-24	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 360.0	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]	0.572	0.682
psSAR-10g [W/kg]	0.203	0.216
Power Drift [dB]		0.11
TSL Correction	Positive only	Positive only
M2 / M1 [%]		64.0
Dist 3dB Peak [mm]		7.4



Test Date : 2024-05-14 | Ambient Temp : 22.5 °C | Tissue Temp : 21.3 °C

Test Mode**5_WLAN 5.8G_802.11ac VHT160_Bottom of laptop_0mm_Ch163_Ant 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX5606SA	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 - AAD	5815.000, 163	4.62	5.33	35.9

Hardware Setup

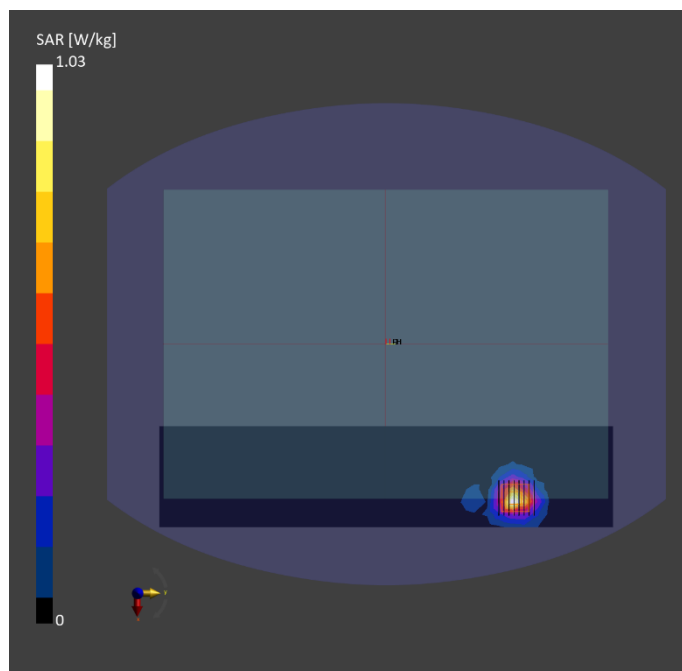
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2023-08-24	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 x 360.0	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]	0.736	0.822
psSAR-10g [W/kg]	0.259	0.260
Power Drift [dB]		-0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		62.1
Dist 3dB Peak [mm]		7.6



Test Date : 2024-05-14 | Ambient Temp : 22.5 °C | Tissue Temp : 21.3 °C

Test Mode**7_UNII-7_802.11be EHT320_Bottom of laptop_0mm_Ch159_Ant 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX5606SA	A002	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, 11026 - AAA	6745.000, 159	4.8	6.48	34.3

Hardware Setup

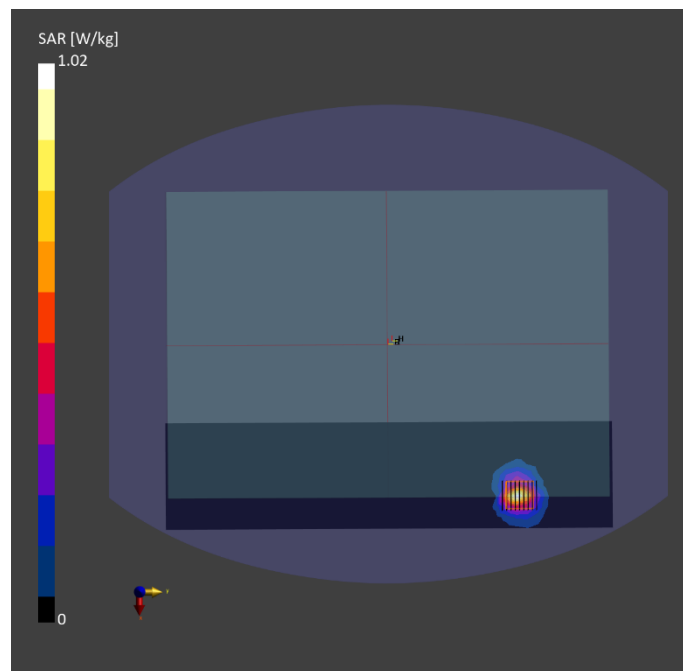
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2023-08-24	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 357.0	23.8 x 23.8 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]	0.741	0.785
psSAR-10g [W/kg]	0.241	0.244
psAPD (1.0 cm ² , sq) [W/m ²]		8.35
psAPD (4.0 cm ² , sq) [W/m ²]		6.13
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.2
Dist 3dB Peak [mm]		7.5



Test Date : 2024-05-14 | Ambient Temp : 22.5 °C | Tissue Temp : 21.3 °C

Test Mode**8_Bluetooth_GFSK_Bottom of laptop_0mm_Ch0_Ant 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX5606SA	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	2402.000, 0	7.7	1.81	41.2

Hardware Setup

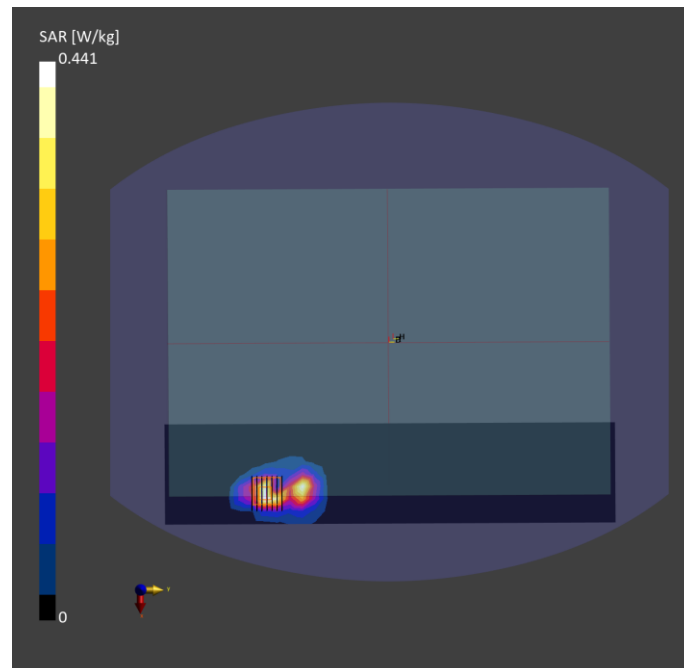
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2023-08-24	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	90.0 x 360.0	32.0 x 32.0 x 30.0
Grid Steps [mm]	15.0 x 15.0	8.0 x 8.0 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]	0.249	0.265
psSAR-10g [W/kg]	0.118	0.131
Power Drift [dB]		0.12
TSL Correction	Positive only	Positive only
M2 / M1 [%]		48.2
Dist 3dB Peak [mm]		8.3



Test Date : 2024-05-14 | Ambient Temp : 22.5 °C

Test Mode**9_UNII-7_802.11be EHT320_Bottom of laptop_0mm_Ch159_Ant 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX5606SA	A002	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-7	WLAN, 11026 - AAA	6745.0, 159	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]	89.0 x 89.0
Grid Steps [mm]	0.0562 x 0.0562
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	6.62
psPD tot+ [W/m ²]	8.12
psPD mod+ [W/m ²]	8.80
E max [V/m]	79.9
Power Drift [dB]	-0.02

