
Appendix C – Highest Test Plots

Test Date : 2024-10-30 | Ambient Temp : 22.5 °C | Tissue Temp : 21.2 °C

Test Mode**1_WLAN2.4G_802.11n HT40_Bottom of laptop_0 mm_Ch6_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX3407Q	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	2437.000, 6	7.09	1.86	40.0

Hardware Setup

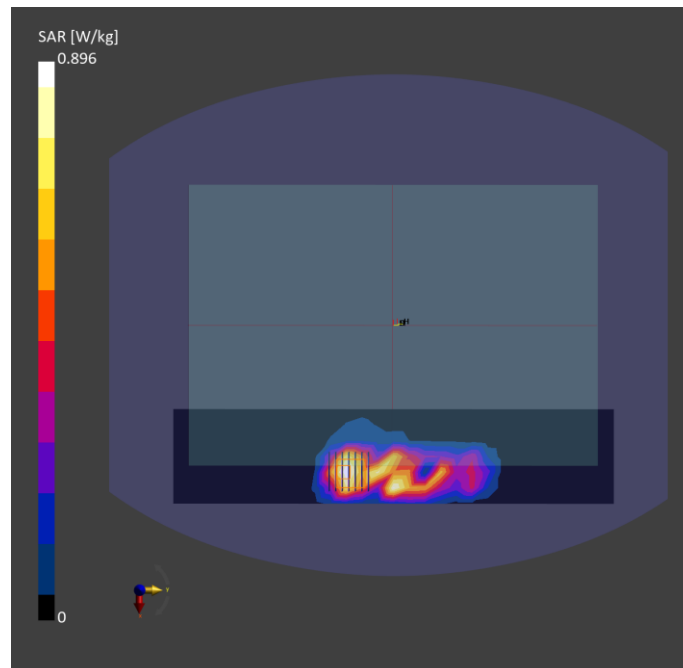
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 336.0	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]	0.482	0.494
psSAR-10g [W/kg]	0.259	0.219
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		40.9
Dist 3dB Peak [mm]		7.3



Test Date : 2024-10-30 | Ambient Temp : 22.5 °C | Tissue Temp : 21.2 °C

Test Mode**2_WLAN5.3G_802.11ac VHT80_Bottom of laptop_0 mm_Ch58_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX3407Q	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, 10544 - AAD	5290.000, 58	5.27	4.63	34.5

Hardware Setup

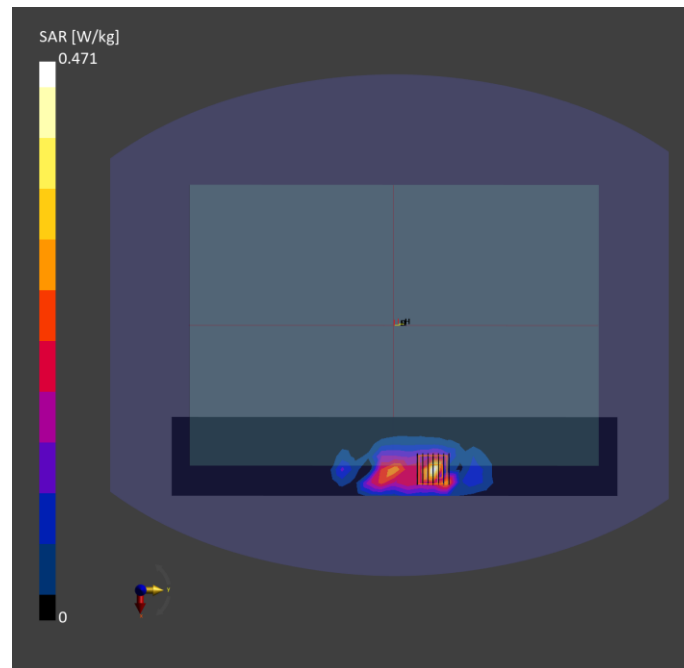
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 330.0	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]	0.285	0.321
psSAR-10g [W/kg]	0.101	0.095
Power Drift [dB]		0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		64.0
Dist 3dB Peak [mm]		5.6



Test Date : 2024-10-30 | Ambient Temp : 22.5 °C | Tissue Temp : 21.2 °C

Test Mode**4_WLAN5.6G_802.11ac VHT80_Bottom of laptop_0 mm_Ch106_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX3407QA	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, 10544 - AAD	5530.000, 106	4.7	4.89	34.1

Hardware Setup

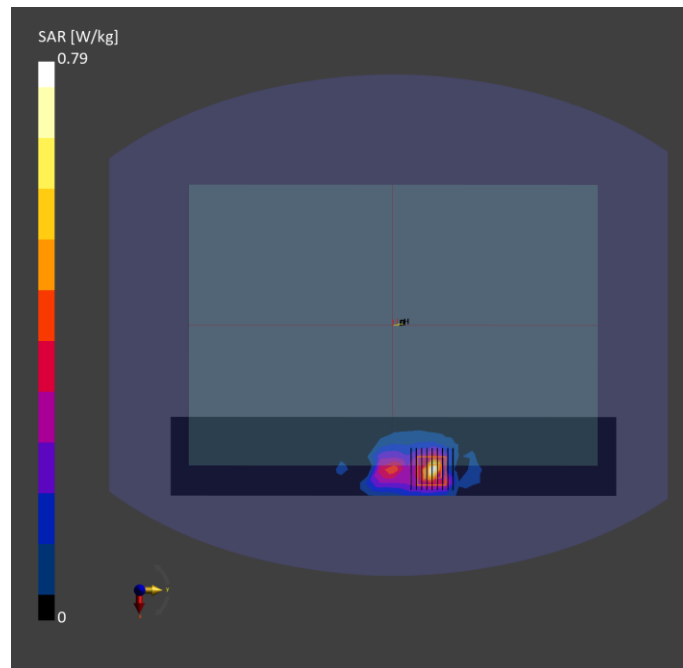
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 330.0	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]	0.493	0.548
psSAR-10g [W/kg]	0.169	0.172
Power Drift [dB]		0.10
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.2
Dist 3dB Peak [mm]		6.6



Test Date : 2024-10-30 | Ambient Temp : 22.5 °C | Tissue Temp : 21.2 °C

Test Mode**5_WLAN5.8G_802.11ac VHT80_Bottom of laptop_0 mm_Ch155_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX3407Q	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, 10544 - AAD	5775.000, 155	4.73	5.13	33.6

Hardware Setup

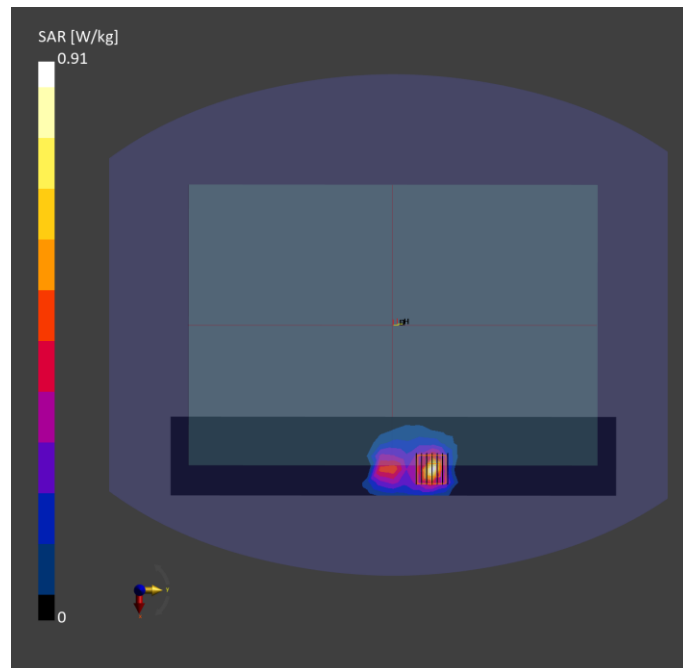
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 330.0	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]	0.590	0.638
psSAR-10g [W/kg]	0.199	0.199
Power Drift [dB]		-0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.0
Dist 3dB Peak [mm]		7.2



Test Date : 2024-10-30 | Ambient Temp : 22.5 °C | Tissue Temp : 21.2 °C

Test Mode**6_Bluetooth_GFSK_Bottom of laptop_0 mm_Ch39_Ant 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX3407Q	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	7.09	1.87	40.0

Hardware Setup

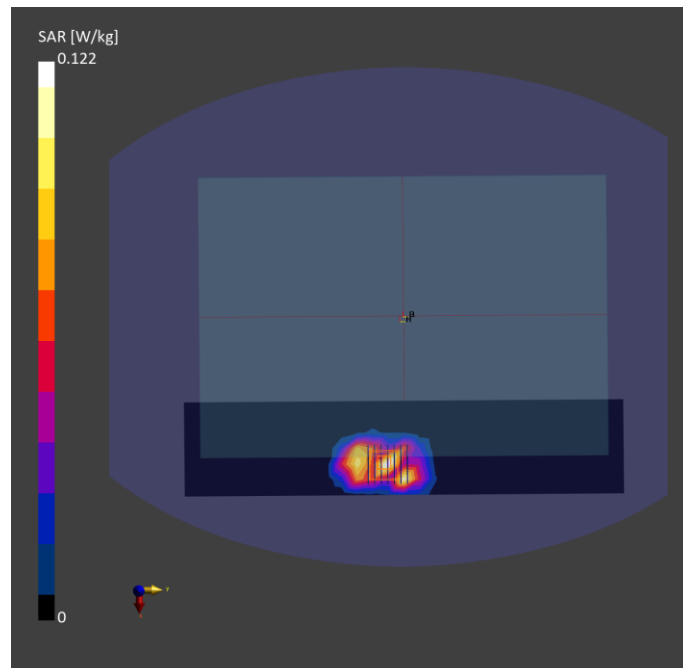
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 336.0	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]	0.082	0.096
psSAR-10g [W/kg]	0.044	0.044
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		41.4
Dist 3dB Peak [mm]		5.6



Test Date : 2024-10-30 | Ambient Temp : 22.5 °C | Tissue Temp : 21.2 °C

Test Mode**7_UNII-7_802.11ax HE160_Bottom of laptop_0 mm_Ch143_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX3407Q	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, 10755 - AAC	6665.000, 143	4.64	6.07	32.2

Hardware Setup

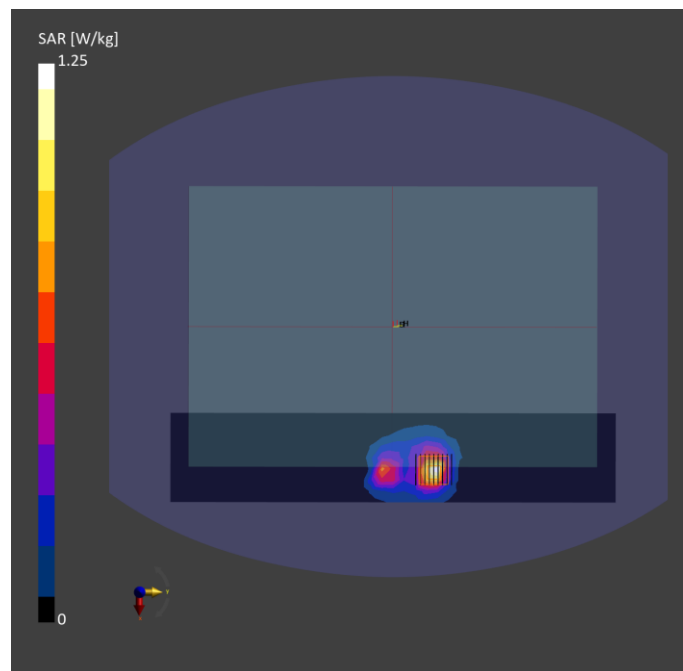
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1742 / 2024-08-15

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	59.5 x 340.0	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]	0.979	0.756
psSAR-10g [W/kg]	0.330	0.213
psAPD (1.0 cm ² , sq) [W/m ²]		7.56
psAPD (4.0 cm ² , sq) [W/m ²]		5.76
Power Drift [dB]		-0.08
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.1
Dist 3dB Peak [mm]		8.5



Test Date : 2024-10-31 | Ambient Temp : 22.4 °C

Test Mode**8_U-NII 7_802.11ax HE160_Bottom of laptop_0 mm_Ch143_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX3407Q	A008	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-7	WLAN, 10755 - AAC	6625.0, 135	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]	91.0 x 91.0
Grid Steps [mm]	0.0552 x 0.0552
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	5.46
psPD tot+ [W/m ²]	7.03
psPD mod+ [W/m ²]	7.42
Peak PD tot [W/m ²]	12.5
Power Drift [dB]	-0.04

