
Appendix C – Highest Test Plots

Test Date : 2024-09-10 | Ambient Temp : 22.9 °C | Tissue Temp : 22.3 °C

Test Mode**1_WLAN2.4G_802.11b_Bottom Side_0mm_Ch6_Ant 1_External keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	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	2437.000, 6	6.96	1.79	38.4

Hardware Setup

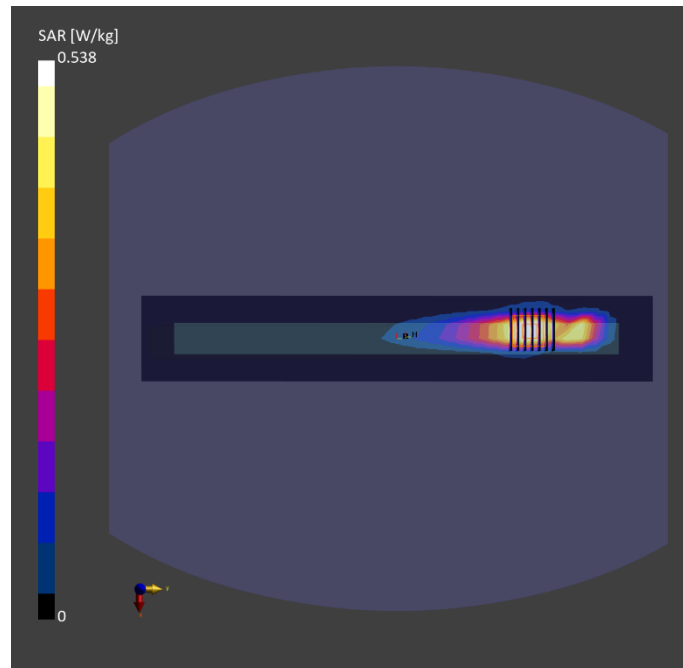
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 360.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	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]	0.496	0.550
psSAR-10g [W/kg]	0.238	0.244
Power Drift [dB]		-0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		39.8
Dist 3dB Peak [mm]		5.2



Test Date : 2024-09-09 | Ambient Temp : 22.6 °C | Tissue Temp : 22.1 °C

Test Mode**2_WLAN5.3G_802.11ac VHT160_Bottom Side_0mm_Ch50_Ant 1+2_External keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	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	5.45	4.63	35.7

Hardware Setup

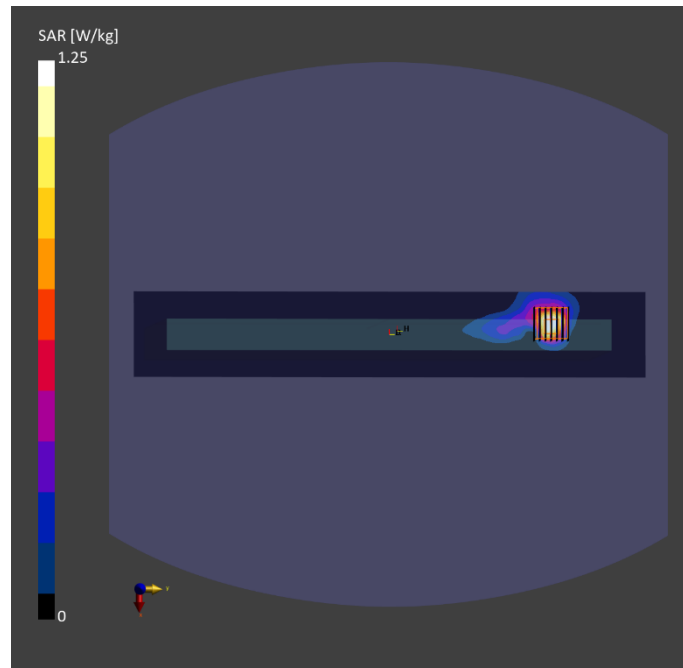
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 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]	0.348	0.482
psSAR-10g [W/kg]	0.118	0.132
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.7
Dist 3dB Peak [mm]		6.1



Test Date : 2024-09-09 | Ambient Temp : 22.6 °C | Tissue Temp : 22.1 °C

Test Mode**3_WLAN5.6G_802.11ac VHT160_Bottom Side_0mm_Ch114_Ant 1+2_External keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	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	4.88	4.99	35.1

Hardware Setup

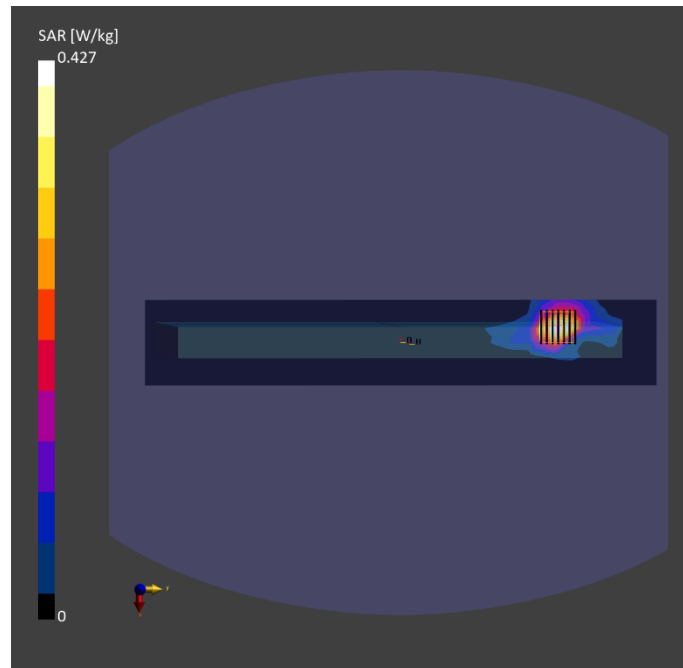
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 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]	0.316	0.363
psSAR-10g [W/kg]	0.117	0.127
Power Drift [dB]		0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		56.7
Dist 3dB Peak [mm]		5.4



Test Date : 2024-09-09 | Ambient Temp : 22.6 °C | Tissue Temp : 22.1 °C

Test Mode**5_WLAN5.8G_802.11ac VHT160_Bottom of laptop_0mm_Ch163_Ant 2_External keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	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	5.28	34.7

Hardware Setup

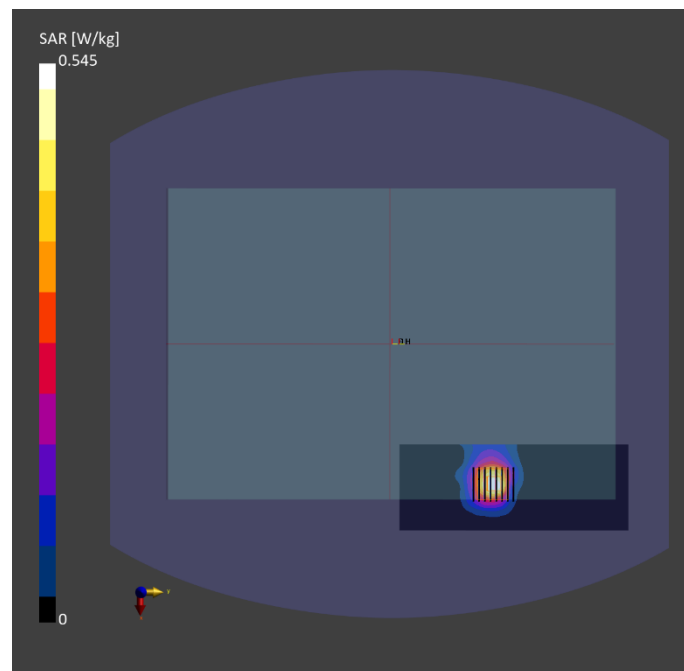
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 160.0	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]	0.513	0.563
psSAR-10g [W/kg]	0.189	0.199
Power Drift [dB]		0.17
TSL Correction	Positive only	Positive only
M2 / M1 [%]		56.8
Dist 3dB Peak [mm]		9.8



Test Date : 2024-09-10 | Ambient Temp : 22.9 °C | Tissue Temp : 22.3 °C

Test Mode**6_Bluetooth_GFSK_Bottom of laptop_0mm_Ch39_Ant 2_External keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	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	6.96	1.79	38.4

Hardware Setup

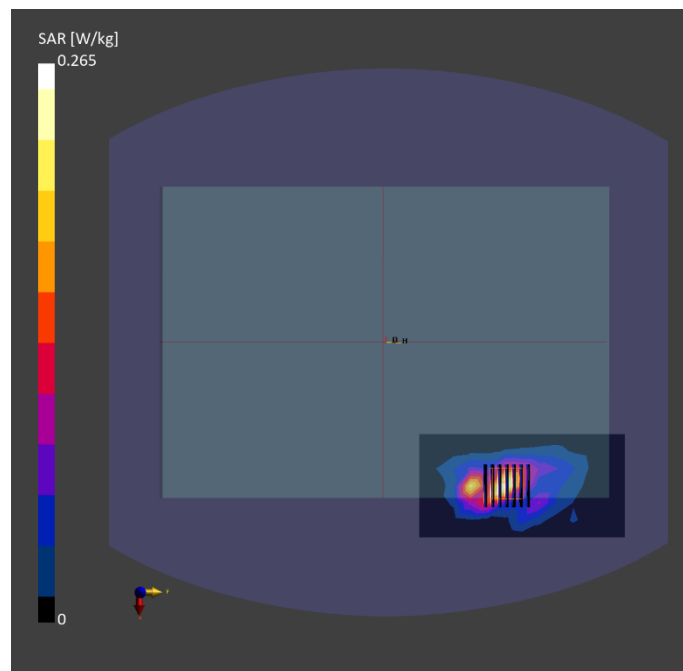
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 144.0	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]	0.187	0.217
psSAR-10g [W/kg]	0.085	0.097
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		45.8
Dist 3dB Peak [mm]		6.5



Test Date : 2024-09-10 | Ambient Temp : 22.9 °C | Tissue Temp : 22.3 °C

Test Mode**7_U-NII 6_802.11be EHT320_Bottom of laptop_0mm_Ch95_Ant 1+2_External keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	A002	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, 11026 - AAB	6425.000, 95	5.37	5.65	33.0

Hardware Setup

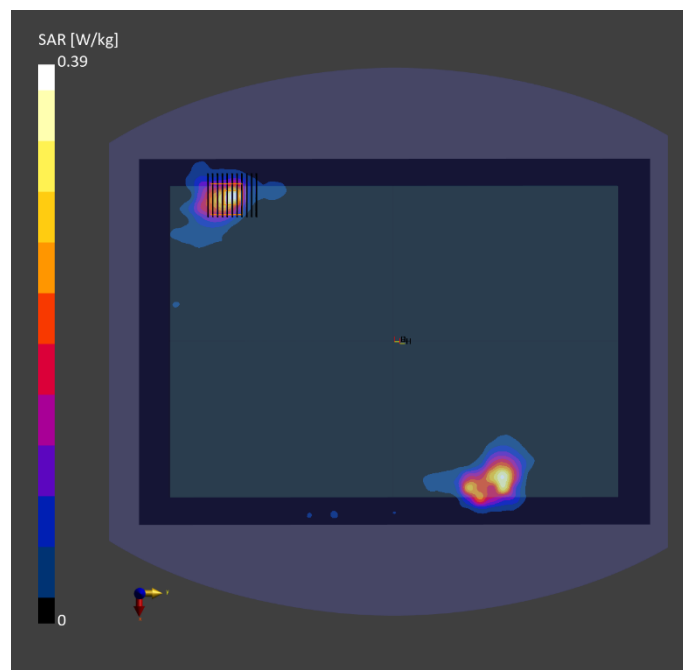
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	255.0 x 357.0	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]	0.310	0.320
psSAR-10g [W/kg]	0.106	0.109
psAPD (1.0 cm ² , sq) [W/m ²]		3.20
psAPD (4.0 cm ² , sq) [W/m ²]		2.46
Power Drift [dB]		-0.15
TSL Correction	Positive only	Positive only
M2 / M1 [%]		49.8
Dist 3dB Peak [mm]		6.1



Test Date : 2024-09-10 | Ambient Temp : 22.9 °C | Tissue Temp : 22.3 °C

Test Mode**8_WLAN2.4G_802.11b_Top Side of External keyboard_0mm_Ch6_Ant 1_External keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	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	2437.000, 6	6.96	1.79	38.4

Hardware Setup

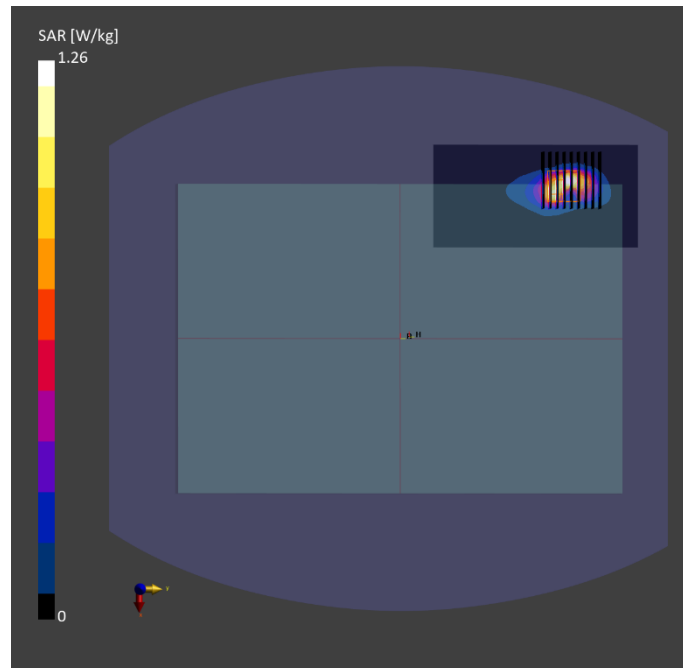
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 144.0	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]	1.08	1.35
psSAR-10g [W/kg]	0.495	0.471
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		38.9
Dist 3dB Peak [mm]		5.1



Test Date : 2024-09-09 | Ambient Temp : 22.6 °C | Tissue Temp : 22.1 °C

Test Mode**9_WLAN5.3G_802.11ac VHT160_Top Side of External keyboard_0mm_Ch50_Ant 1+2_External
keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	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	5.45	4.63	35.7

Hardware Setup

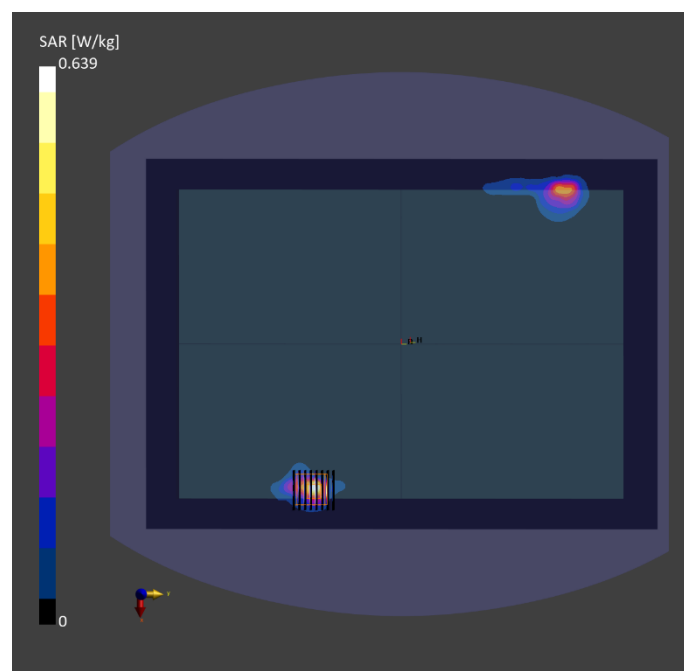
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	260.0 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]	0.657	0.897
psSAR-10g [W/kg]	0.188	0.220
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.6
Dist 3dB Peak [mm]		5.4



Test Date : 2024-09-09 | Ambient Temp : 22.6 °C | Tissue Temp : 22.1 °C

Test Mode**10_WLAN5.6G_802.11ac VHT160_Top Side of External keyboard_0mm_Ch114_Ant 1_External
keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	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	4.88	4.99	35.1

Hardware Setup

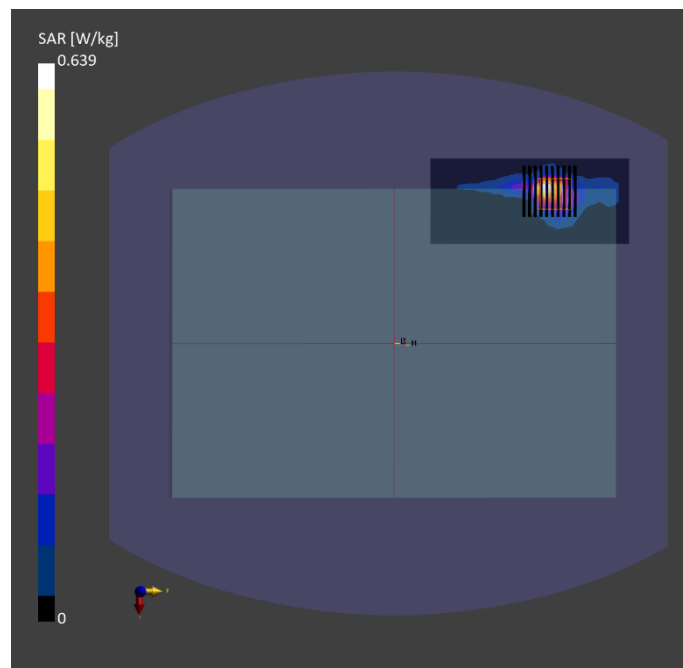
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 140.0	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]	0.467	0.520
psSAR-10g [W/kg]	0.150	0.153
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.3
Dist 3dB Peak [mm]		5.1



Test Date : 2024-09-09 | Ambient Temp : 22.6 °C | Tissue Temp : 22.1 °C

Test Mode**12_WLAN5.8G_802.11ac VHT160_Top Side of External keyboard_0mm_Ch163_Ant 2_External
keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	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	5.28	34.7

Hardware Setup

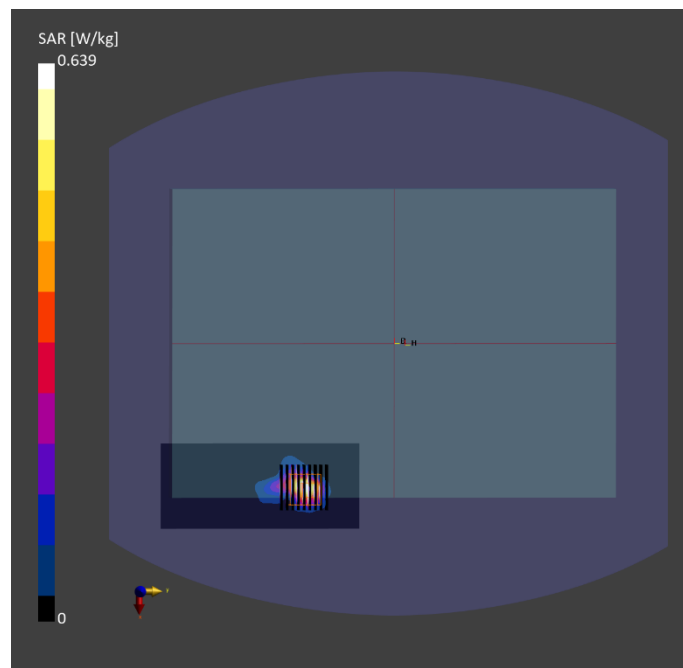
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 140.0	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]	0.751	1.08
psSAR-10g [W/kg]	0.229	0.266
Power Drift [dB]		0.10
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.3
Dist 3dB Peak [mm]		4.9



Test Date : 2024-09-10 | Ambient Temp : 22.9 °C | Tissue Temp : 22.3 °C

Test Mode**13_Bluetooth_GFSK_Top Side of External keyboard_0mm_Ch39_Ant 2_External keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	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	6.96	1.79	38.4

Hardware Setup

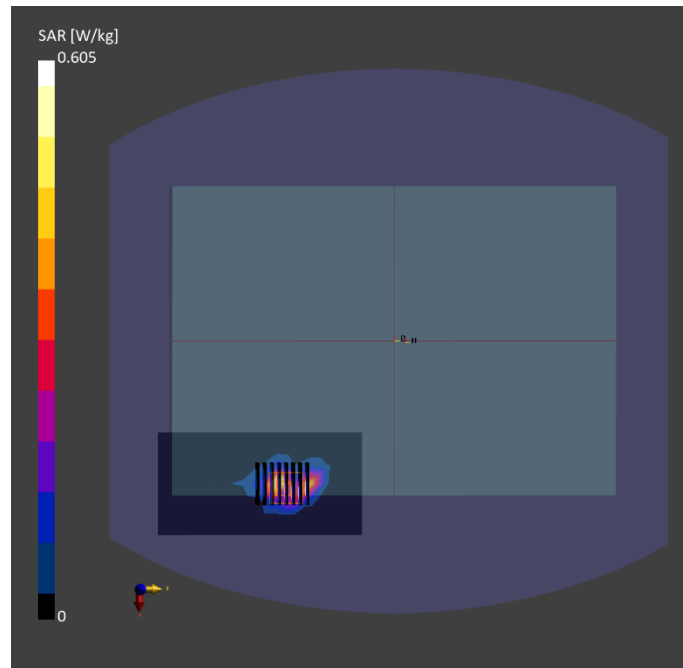
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 132.0	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]	0.396	0.513
psSAR-10g [W/kg]	0.159	0.189
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		39.3
Dist 3dB Peak [mm]		5.5



Test Date : 2024-09-10 | Ambient Temp : 22.9 °C | Tissue Temp : 22.3 °C

Test Mode**14_U-NII 6_802.11be EHT320_Top Side of External keyboard_0mm_Ch95_Ant 1+2_External keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	A002	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, 11026 - AAB	6425.000, 95	5.37	5.65	33.0

Hardware Setup

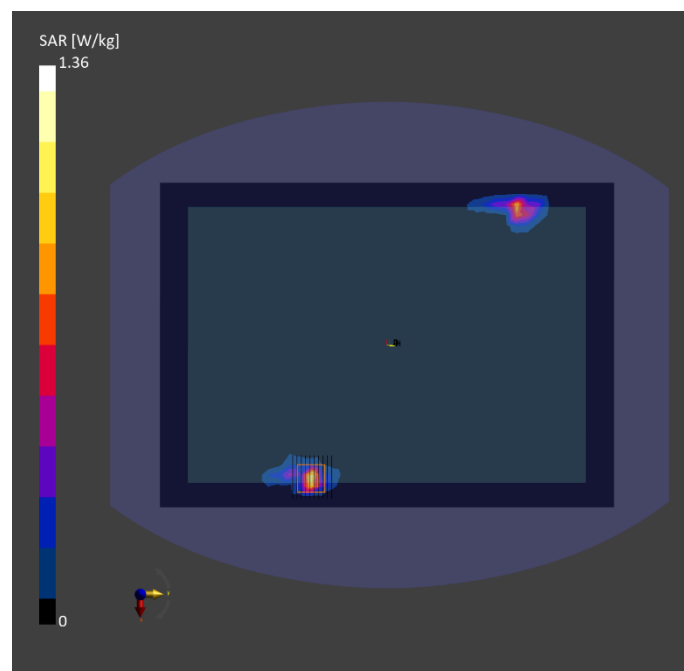
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	255.0 x 357.0	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]	0.790	1.28
psSAR-10g [W/kg]	0.208	0.279
psAPD (1.0 cm ² , sq) [W/m ²]		12.8
psAPD (4.0 cm ² , sq) [W/m ²]		6.55
Power Drift [dB]		-0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		48.6
Dist 3dB Peak [mm]		6.1



Test Date : 2024-09-10 | Ambient Temp : 22.4 °C

Test Mode**15_U-NII 6_802.11be EHT320_Bottom of laptop_0mm_Ch95_Ant 1+2_External keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	A002	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII 6	WLAN, 11026 - AAA	6425.0, 95	1.0

Hardware Setup

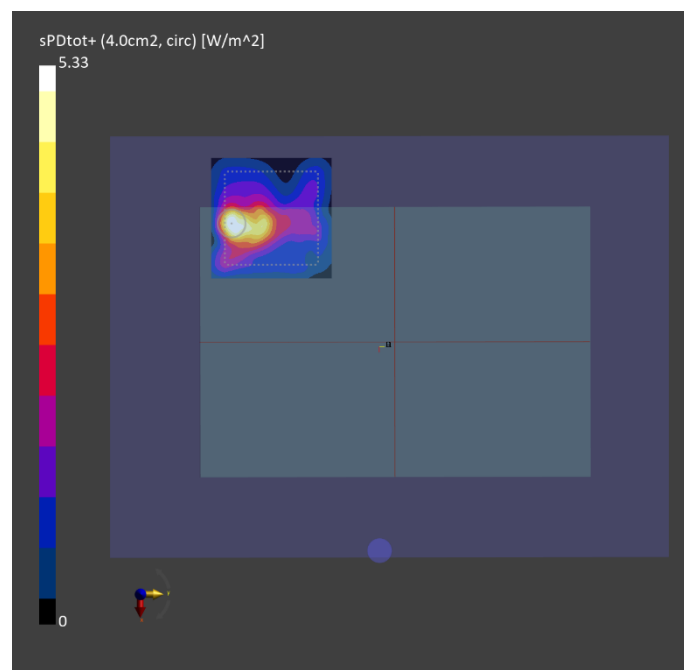
Phantom	Medium	Probe Calibration Date	DAE Calibration Date
mmWave - 1102	Air	EUmmWV3 - SN9403_F1-55GHz / 2023-12-05	DAE4 Sn1742 / 2024-08-15

Scan Setup

	5G Scan
Grid Extents [mm]	93.0 x 93.0
Grid Steps [mm]	0.0535 x 0.0535
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	2.76
psPD tot+ [W/m ²]	5.33
psPD mod+ [W/m ²]	6.19
Peak PD tot [W/m ²]	12.6
Power Drift [dB]	-0.10



Test Date : 2024-09-11 | Ambient Temp : 22.9 °C

Test Mode**16_U-NII 6_802.11be EHT320_Top Side of External keyboard_0mm_Ch95_Ant 1+2_External keyboard w/o****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	UX8406C	A002	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-6	WLAN, 11026 - AAA	6425.0, 95	1.0

Hardware Setup

Phantom	Medium	Probe Calibration Date	DAE Calibration Date
mmWave - 1102	Air	EUmmWV3 - SN9403_F1-55GHz / 2023-12-05	DAE4 Sn1742 / 2024-08-15

Scan Setup

	5G Scan
Grid Extents [mm]	93.0 x 93.0
Grid Steps [mm]	0.0535 x 0.0535
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	4.98
psPD tot+ [W/m ²]	9.05
psPD mod+ [W/m ²]	11.2
Peak PD tot [W/m ²]	25.5
Power Drift [dB]	0.05

