
Appendix C – Highest Test Plots

Test Date : 2024-10-15 | Ambient Temp : 23.0 °C | Tissue Temp : 22.3 °C

Test Mode**1_WLAN2.4G_802.11n HT40_Bottom of laptop_0mm_Ch3_Ant 0+1_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	P5405CSA	A003	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	2422.000, 3	6.96	1.78	40.1

Hardware Setup

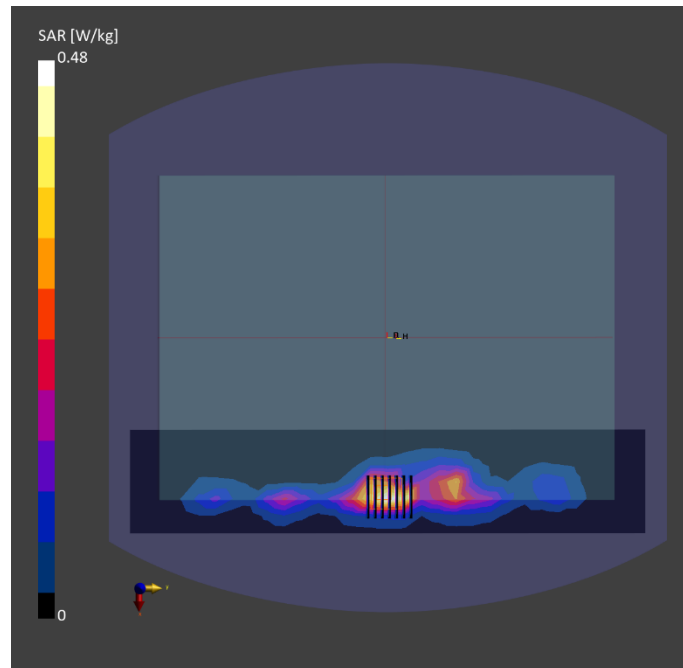
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 360.0	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]	0.382	0.412
psSAR-10g [W/kg]	0.187	0.186
Power Drift [dB]		-0.07
TSL Correction	Positive only	Positive only
M2 / M1 [%]		48.7
Dist 3dB Peak [mm]		7.7



Test Date : 2024-10-15 | Ambient Temp : 23.0 °C | Tissue Temp : 22.3 °C

Test Mode**2_WLAN5.3G_802.11ac VHT160_Bottom of laptop_0mm_Ch50_Ant 0+1_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	P5405CSA	A003	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	4.73	35.9

Hardware Setup

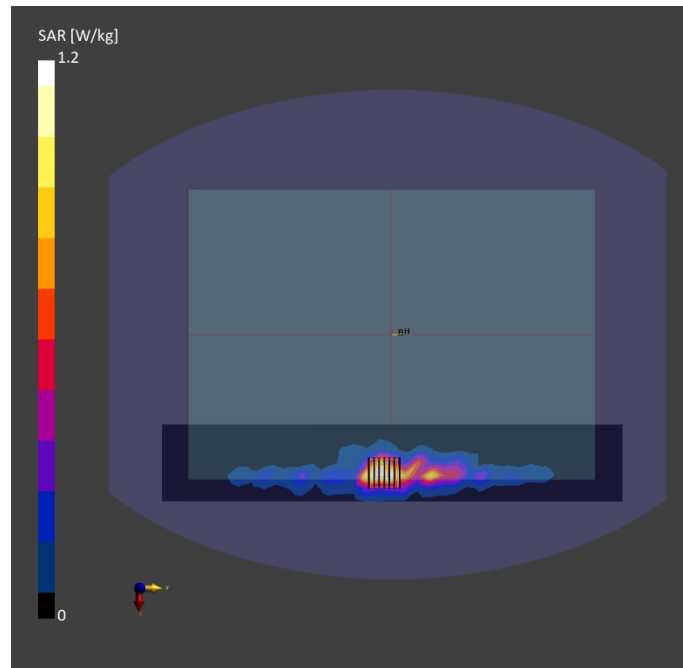
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

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]	0.924	1.05
psSAR-10g [W/kg]	0.343	0.363
Power Drift [dB]		-0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		60.1
Dist 3dB Peak [mm]		6.8



Test Date : 2024-10-15 | Ambient Temp : 23.0 °C | Tissue Temp : 22.3 °C

Test Mode**3_WLAN5.6G_802.11ac VHT160_Bottom of laptop_0mm_Ch114_Ant 0+1_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	P5405CSA	A003	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	5.11	35.3

Hardware Setup

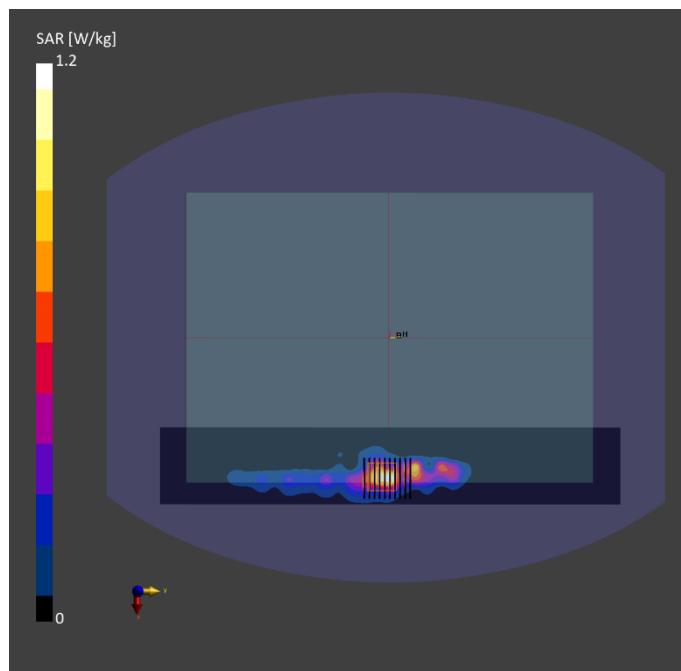
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

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]	1.08	1.16
psSAR-10g [W/kg]	0.367	0.387
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		58.9
Dist 3dB Peak [mm]		5.7



Test Date : 2024-10-15 | Ambient Temp : 23.0 °C | Tissue Temp : 22.3 °C

Test Mode**5_WLAN5.8G_802.11ac_VHT160_Bottom of laptop_0mm_Ch163_Ant 0+1_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	P5405CSA	A003	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	5805.000, 161	5.01	5.39	34.9

Hardware Setup

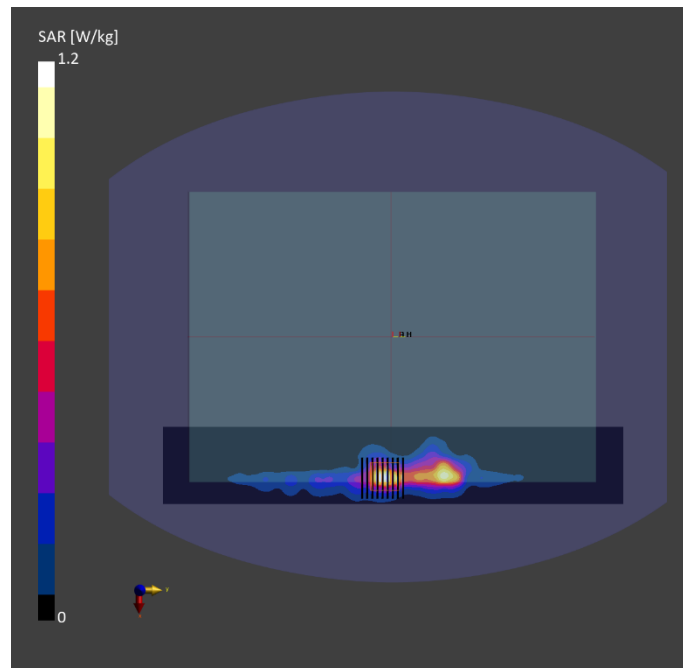
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

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]	0.801	0.902
psSAR-10g [W/kg]	0.264	0.278
Power Drift [dB]		-0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		60.3
Dist 3dB Peak [mm]		6.4



Test Date : 2024-10-15 | Ambient Temp : 23.0 °C | Tissue Temp : 22.3 °C

Test Mode**6_Bluetooth_GFSK_Bottom of laptop_0mm_Ch39_Ant 1_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	P5405CSA	A003	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	40.1

Hardware Setup

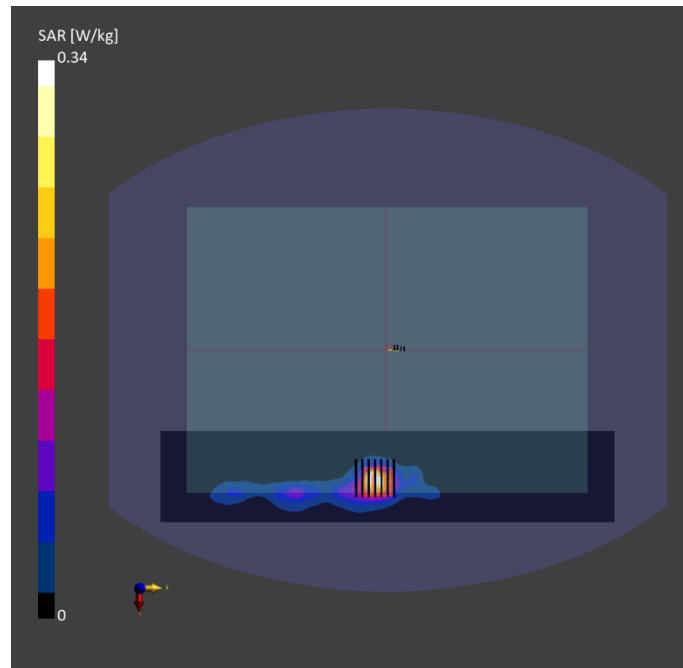
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 360.0	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]	0.173	0.203
psSAR-10g [W/kg]	0.080	0.080
Power Drift [dB]		0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		47.2
Dist 3dB Peak [mm]		7.1



Test Date : 2024-10-15 | Ambient Temp : 23.0 °C | Tissue Temp : 22.3 °C

Test Mode**7_U-NII 5_802.11be EHT320_Bottom of laptop_0mm_Ch63_Ant 0+1_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	P5405CSA	A003	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, 11026 - AAB	6265.000, 63	5.37	5.97	34.0

Hardware Setup

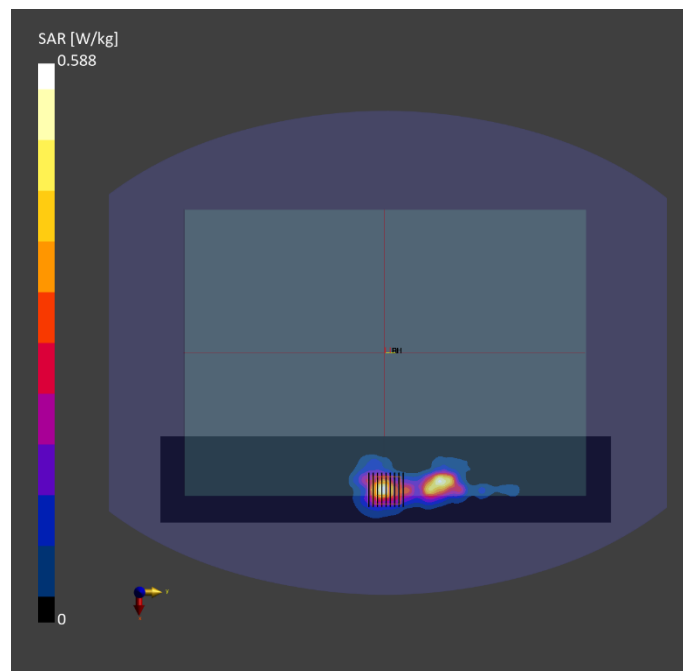
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7650 / 2024-06-04	DAE4 Sn1741 / 2024-07-16

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	59.5 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]	0.574	0.654
psSAR-10g [W/kg]	0.188	0.205
psAPD (1.0 cm ² , sq) [W/m ²]		6.53
psAPD (4.0 cm ² , sq) [W/m ²]		4.70
Power Drift [dB]		0.17
TSL Correction	Positive only	Positive only
M2 / M1 [%]		54.4
Dist 3dB Peak [mm]		5.9



Test Date : 2024-10-16 | Ambient Temp : 22.5 °C

Test Mode**8_U-NII 5_802.11be EHT320_Bottom of laptop_2mm_Ch63_Ant 0+1_Sample 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	P5405CSA	A005	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII 5	WLAN, 11026 - AAB	6265.0, 63	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]	96.0 x 96.0
Grid Steps [mm]	0.0522 x 0.0522
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	4.53
psPD tot+ [W/m ²]	6.70
psPD mod+ [W/m ²]	7.96
Peak PD tot [W/m ²]	15.9
Power Drift [dB]	0.15

