
Appendix C – Highest Test Plots

Test Date : 2024-07-30 | Ambient Temp : 22.8 °C | Tissue Temp : 21.5 °C

Test Mode**1_WLAN2.4G_802.11n_HT40_Bottom of laptop_0mm_Ch9_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	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	2452.000, 9	7.05	1.77	38.2

Hardware Setup

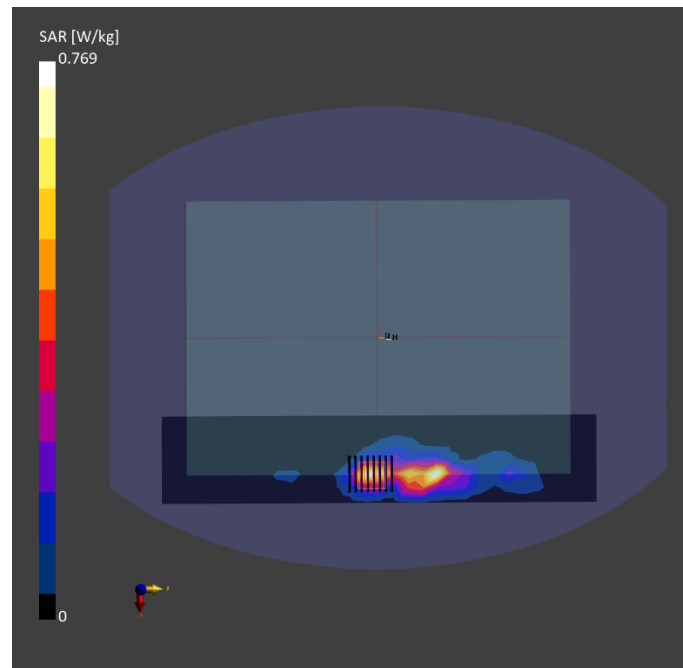
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1742 / 2023-08-17

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]	0.582	0.580
psSAR-10g [W/kg]	0.258	0.268
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		45.2
Dist 3dB Peak [mm]		9.0



Test Date : 2024-07-30 | Ambient Temp : 22.8 °C | Tissue Temp : 21.5 °C

Test Mode**2_WLAN5.3G_802.11ac VHT80_Bottom of laptop_0mm_Ch58_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	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	5.02	4.54	34.1

Hardware Setup

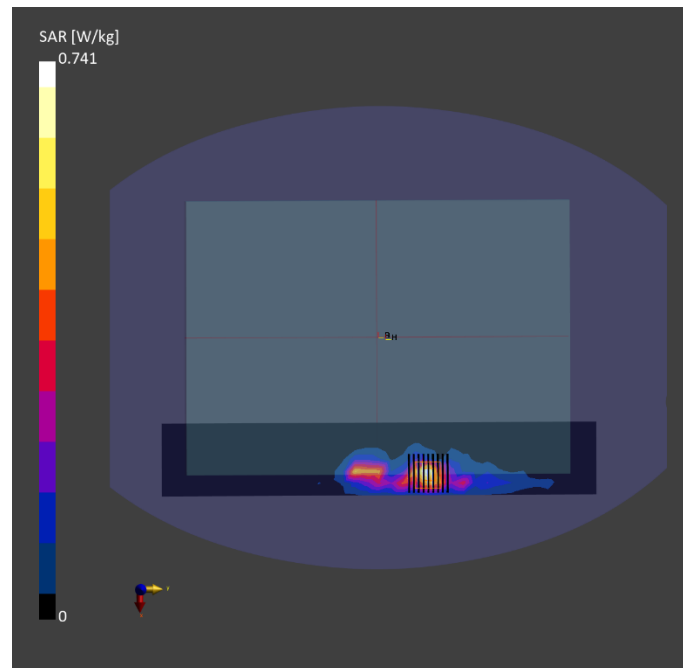
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1742 / 2023-08-17

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]	0.519	0.549
psSAR-10g [W/kg]	0.185	0.186
Power Drift [dB]		-0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		64.2
Dist 3dB Peak [mm]		4.8



Test Date : 2024-07-30 | Ambient Temp : 22.8 °C | Tissue Temp : 21.5 °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	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	4.29	4.84	33.6

Hardware Setup

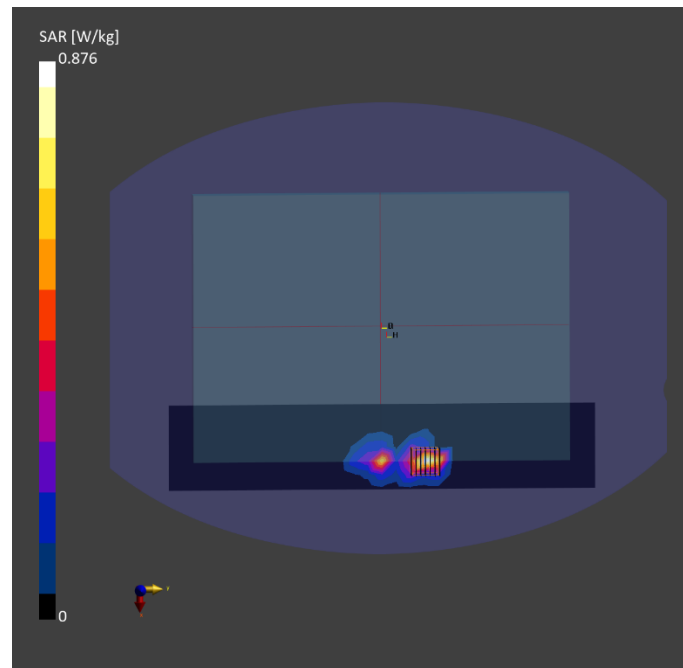
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1742 / 2023-08-17

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]	0.594	0.704
psSAR-10g [W/kg]	0.195	0.220
Power Drift [dB]		-0.12
TSL Correction	Positive only	Positive only
M2 / M1 [%]		58.7
Dist 3dB Peak [mm]		7.2



Test Date : 2024-07-30 | Ambient Temp : 22.8 °C | Tissue Temp : 21.5 °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	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	4.36	5.11	33.2

Hardware Setup

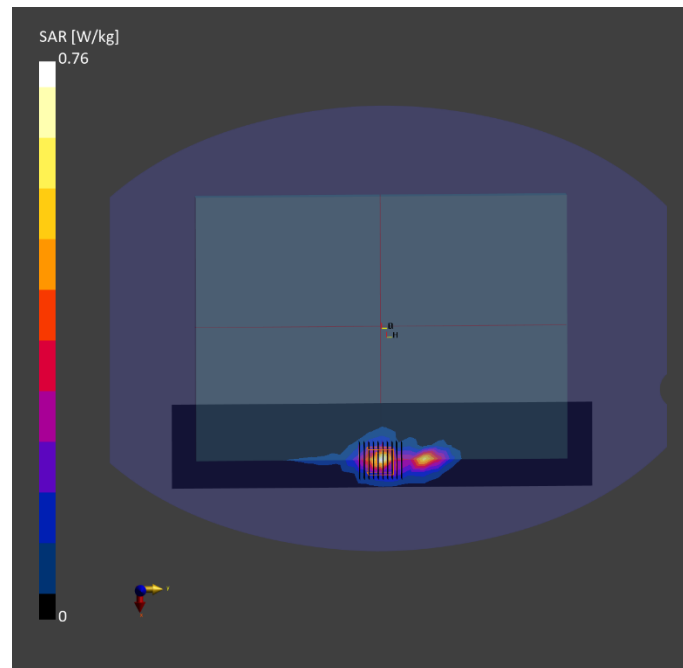
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1742 / 2023-08-17

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]	0.500	0.560
psSAR-10g [W/kg]	0.162	0.182
Power Drift [dB]		-0.11
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.8
Dist 3dB Peak [mm]		7.9



Test Date : 2024-07-30 | Ambient Temp : 22.8 °C | Tissue Temp : 21.5 °C

Test Mode**7_U-NII 5_802.11ax HE160_Bottom of laptop_0mm_Ch15_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	A002	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, 10743 - AAC	6025.000, 15	4.47	5.34	32.8

Hardware Setup

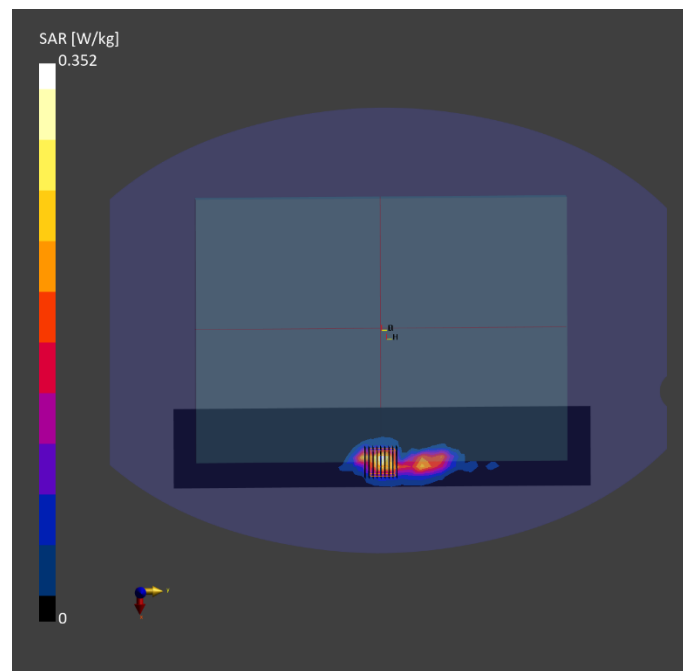
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1742 / 2023-08-17

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]	0.258	0.293
psSAR-10g [W/kg]	0.085	0.093
psAPD (1.0 cm ² , sq) [W/m ²]		2.93
psAPD (4.0 cm ² , sq) [W/m ²]		2.12
Power Drift [dB]		0.12
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.6
Dist 3dB Peak [mm]		6.7



Test Date : 2024-07-30 | Ambient Temp : 22.8 °C | Tissue Temp : 21.5 °C

Test Mode**6_Bluetooth_GFSK_Bottom of laptop_0mm_Ch78_Ant 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	P5405CSA	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	2480.000, 78	7.05	1.79	38.2

Hardware Setup

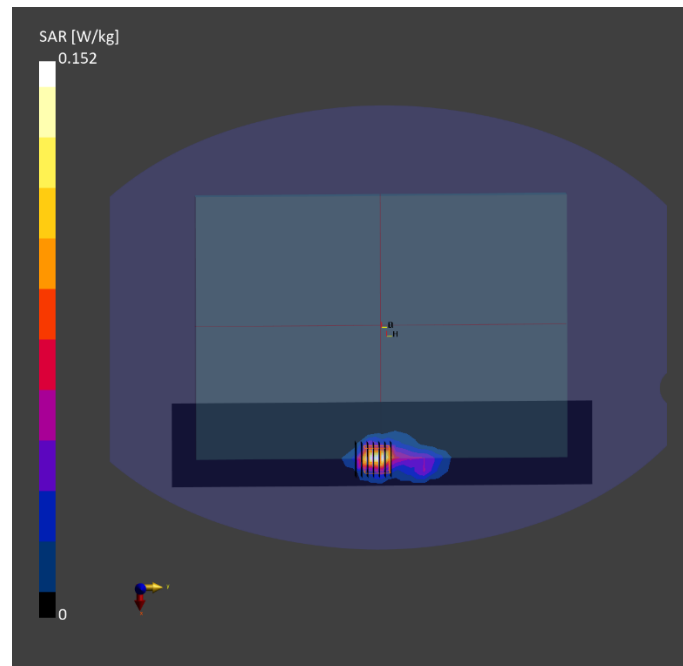
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1742 / 2023-08-17

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]	0.123	0.133
psSAR-10g [W/kg]	0.053	0.051
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		43.0
Dist 3dB Peak [mm]		6.4



Test Date : 2024-07-31 | Ambient Temp : 22.8 °C

Test Mode**8_U-NII 5_802.11ax HE160_Bottom of laptop_0mm_Ch15_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	A002	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-5	WLAN, 10755 - AAC	6025.0, 15	1.0

Hardware Setup

Phantom	Medium	Probe Calibration Date	DAE Calibration Date
mmWave - 1102	Air	EUmmWV3 - SN9403_F1-55GHz / 2023-12-05	DAE4 Sn1742 / 2023-08-17

Scan Setup

	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [mm]	0.0502 x 0.0502
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	1.58
psPD tot+ [W/m ²]	2.51
psPD mod+ [W/m ²]	2.67
E max [V/m]	38.6
Power Drift [dB]	0.03

