

Appendix C – Highest Test Plots

Test Date : 2025-03-13 | Ambient Temp : 21.5 °C | Tissue Temp : 21.7 °C

Test Mode

1_WLAN2.4G_802.11b_Front Edge of laptop_0mm_Ch1_Ant 0_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	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	2412.000, 1	7.25	1.83	40.6

Hardware Setup

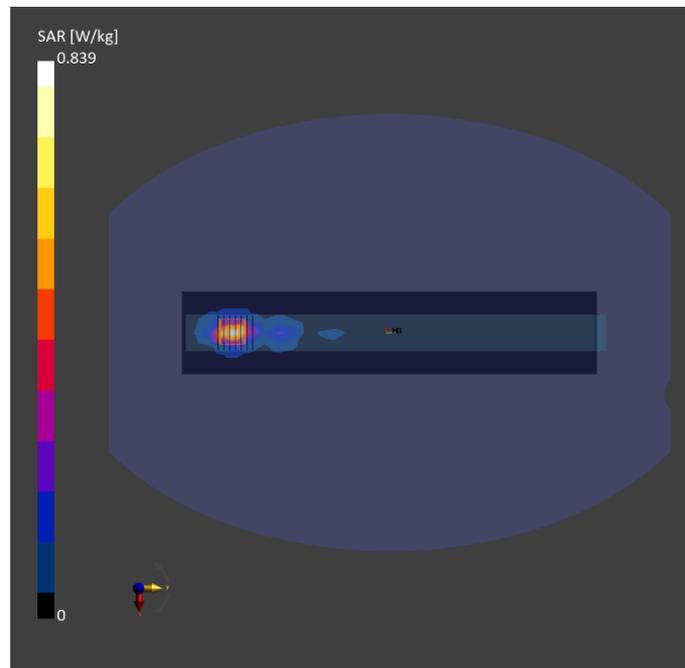
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

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]	0.628	0.714
psSAR-10g [W/kg]	0.267	0.294
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		48.3
Dist 3dB Peak [mm]		7.0



Test Date : 2025-03-14 | Ambient Temp : 21.4 °C | Tissue Temp : 21.5 °C

Test Mode

2_WLAN5.3G_802.11n HT40_Front Edge of laptop_0mm_Ch54_Ant 1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	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, 10114 - CAD	5270.000, 54	5.56	4.81	35.3

Hardware Setup

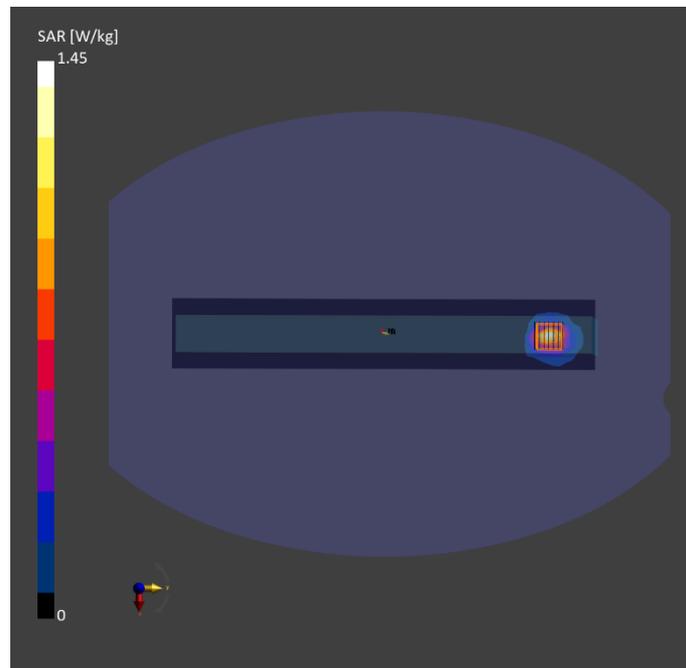
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

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]	0.988	1.12
psSAR-10g [W/kg]	0.340	0.367
Power Drift [dB]		0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		63.3
Dist 3dB Peak [mm]		7.2



Test Date : 2025-03-14 | Ambient Temp : 21.4 °C | Tissue Temp : 21.5 °C

Test Mode

3_WLAN5.6G_802.11ac VHT80_Front Edge of laptop_0mm_Ch138_Ant 1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	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 - AAC	5690.000, 138	5.07	5.30	35.3

Hardware Setup

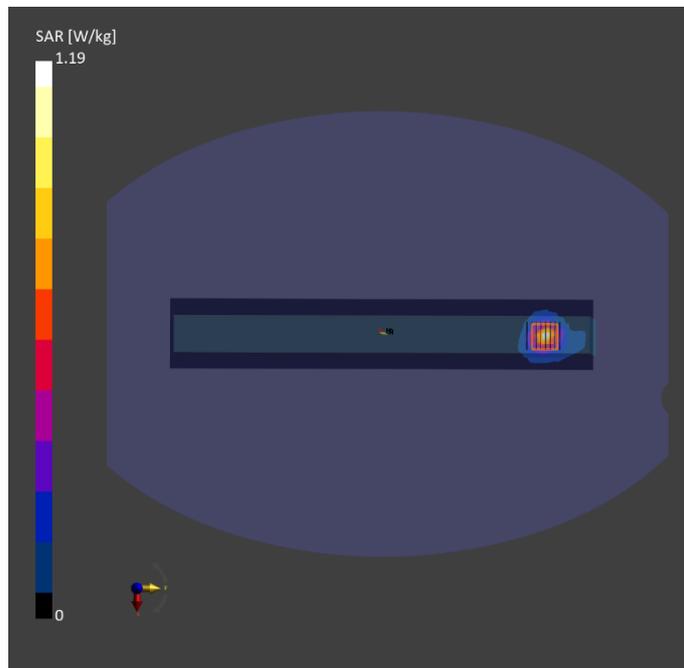
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

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]	0.781	0.967
psSAR-10g [W/kg]	0.251	0.300
Power Drift [dB]		-0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		59.4
Dist 3dB Peak [mm]		7.4



Test Date : 2025-03-17 | Ambient Temp : 20.9 °C | Tissue Temp : 21.1 °C

Test Mode

4_WLAN5.8G_802.11ac VHT80_Front Edge of laptop_0mm_Ch155_Ant 1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	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 - AAC	5775.000, 155	5.01	5.17	35.6

Hardware Setup

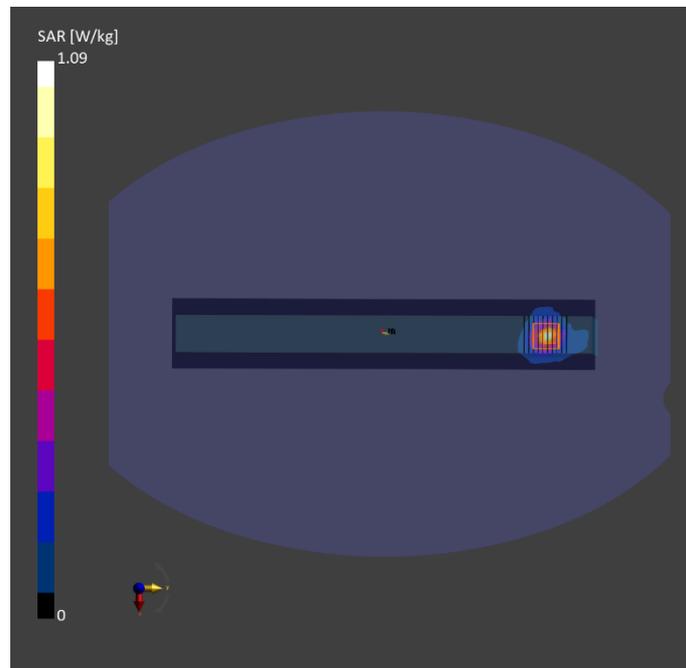
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

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]	0.713	0.903
psSAR-10g [W/kg]	0.229	0.279
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		58.9
Dist 3dB Peak [mm]		7.4



Test Date : 2025-03-13 | Ambient Temp : 21.5 °C | Tissue Temp : 21.7 °C

Test Mode

5_Bluetooth_LE 1Mbps_Front Edge 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	FX608J	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, 39	7.25	1.87	40.6

Hardware Setup

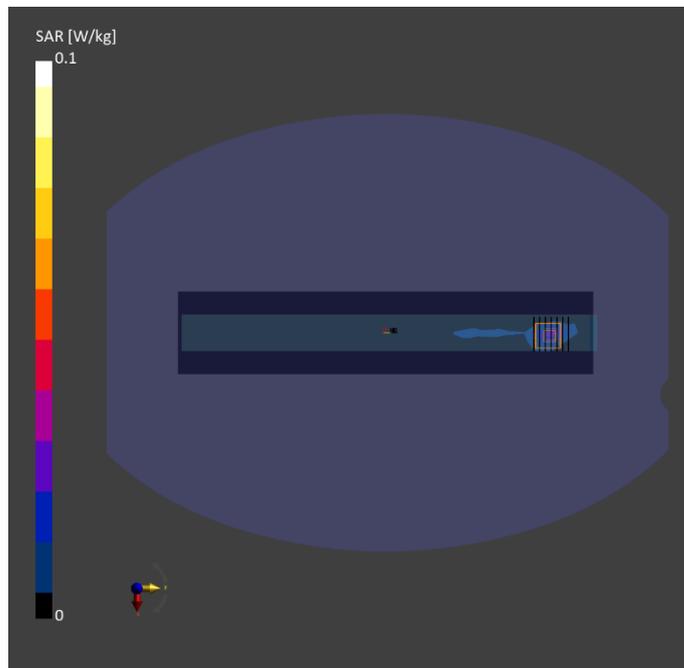
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

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]	0.022	0.023
psSAR-10g [W/kg]	0.01	0.009
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		41.6
Dist 3dB Peak [mm]		7.1



Test Date : 2025-03-17 | Ambient Temp : 20.9 °C | Tissue Temp : 21.1 °C

Test Mode

6_U-NII 5_802.11ax HE160_Front Edge of laptop_0mm_Ch47_Ant 1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	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, 10755 - AAC	6185.000, 47	5.25	5.68	34.1

Hardware Setup

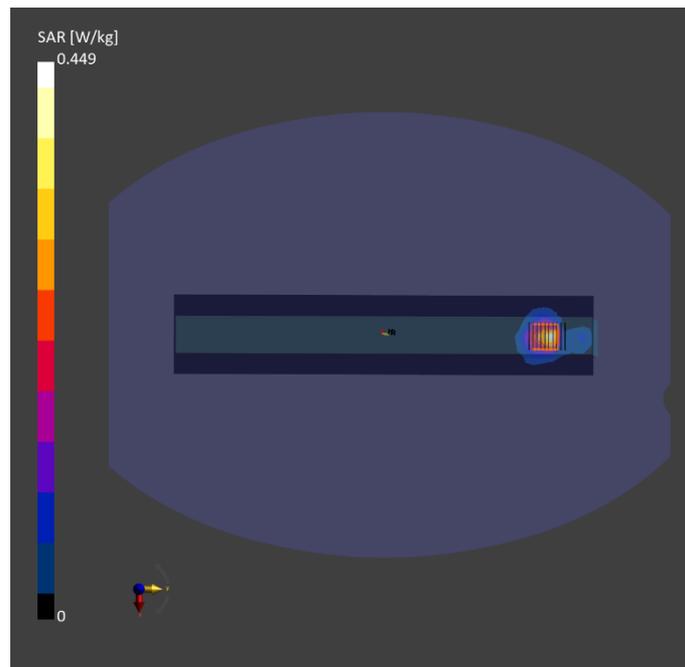
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 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]	0.315	0.379
psSAR-10g [W/kg]	0.104	0.120
psAPD (1.0 cm ² , sq) [W/m ²]		3.79
psAPD (4.0 cm ² , sq) [W/m ²]		2.72
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		54.5
Dist 3dB Peak [mm]		6.8



Test Date : 2025-03-13 | Ambient Temp : 21.5 °C | Tissue Temp : 21.7 °C

Test Mode

7_WLAN2.4G_802.11b_Top Side of the keyboard_0mm_Ch1_Ant 0+1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	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	2412.000, 1	7.25	1.83	40.6

Hardware Setup

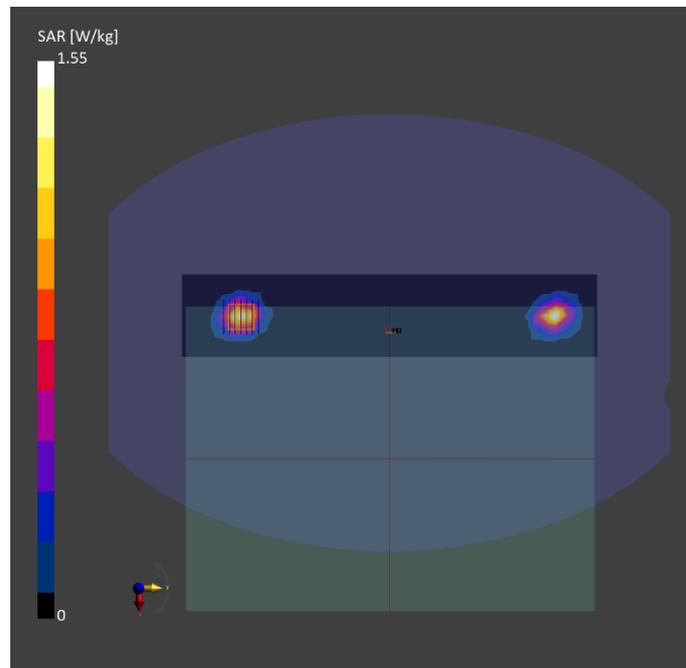
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

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]	1.14	1.17
psSAR-10g [W/kg]	0.535	0.541
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		44.8
Dist 3dB Peak [mm]		8.1



Test Date : 2025-03-14 | Ambient Temp : 21.4 °C | Tissue Temp : 21.5 °C

Test Mode

8_WLAN5.3G_802.11n_HT40_Top Side of the keyboard_0mm_Ch54_Ant 0_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	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, 10114 - CAD	5270.000, 54	5.56	4.81	35.3

Hardware Setup

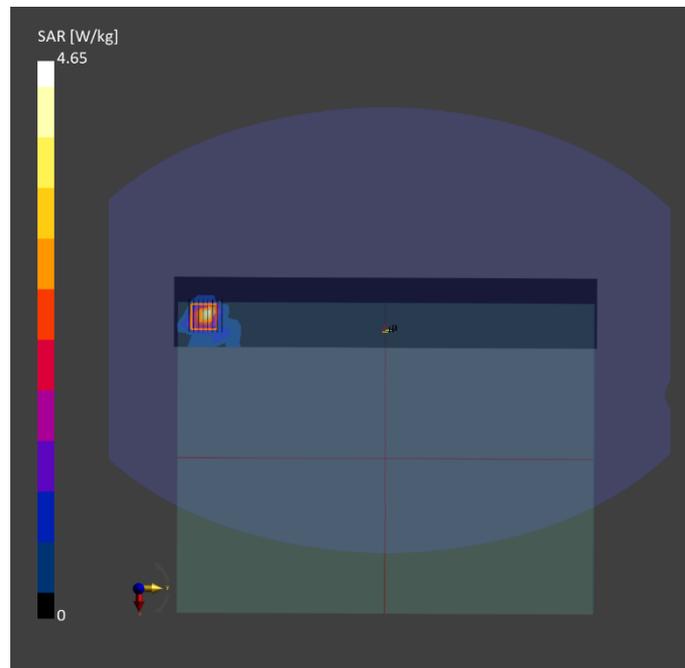
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

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]	3.04	3.54
psSAR-10g [W/kg]	0.959	1.05
Power Drift [dB]		0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.3
Dist 3dB Peak [mm]		6.5



Test Date : 2025-03-14 | Ambient Temp : 21.4 °C | Tissue Temp : 21.5 °C

Test Mode

9_WLAN5.6G_802.11ac VHT80_Top Side of the keyboard_0mm_Ch138_Ant 0_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	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 - AAC	5690.000, 138	5.07	5.30	35.3

Hardware Setup

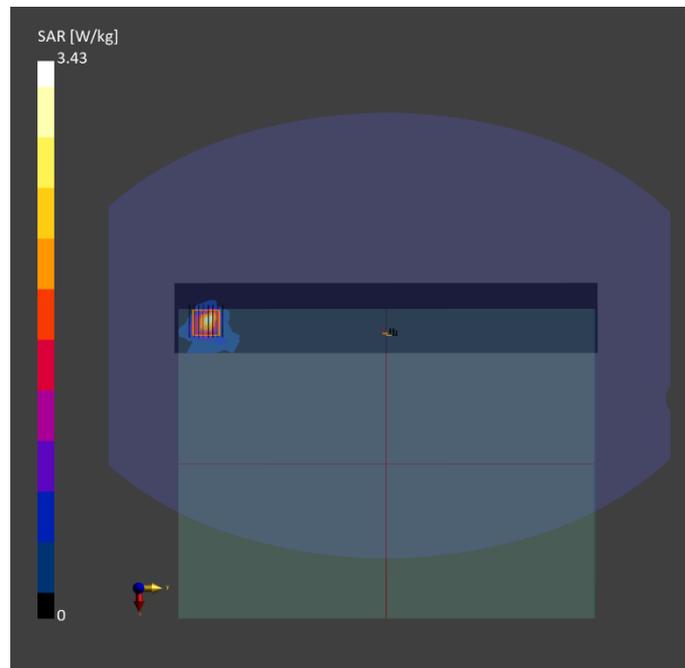
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

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]	2.29	2.65
psSAR-10g [W/kg]	0.707	0.775
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.5
Dist 3dB Peak [mm]		6.8



Test Date : 2025-03-17 | Ambient Temp : 20.9 °C | Tissue Temp : 21.1 °C

Test Mode

10_WLAN5.8G_802.11ac VHT80_Top Side of the keyboard_0mm_Ch155_Ant 0_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	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 - AAC	5775.000, 155	5.01	5.17	35.6

Hardware Setup

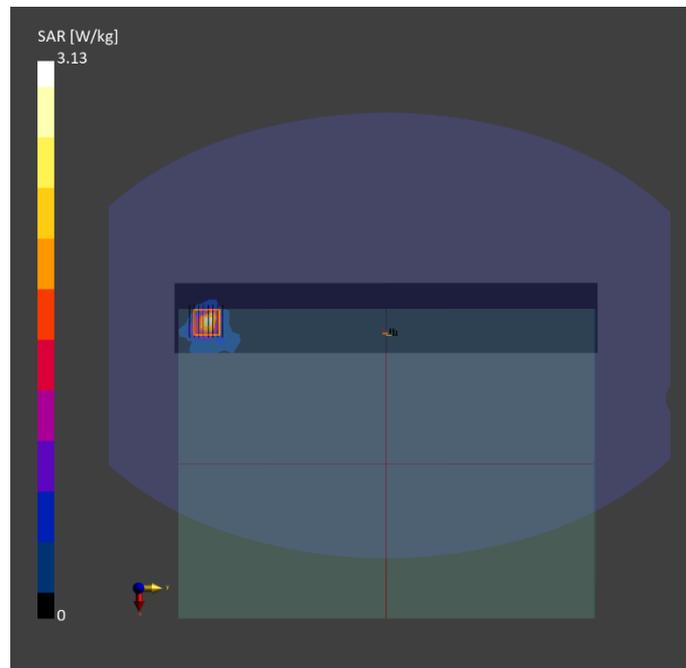
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

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]	2.13	2.46
psSAR-10g [W/kg]	0.659	0.722
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		56.1
Dist 3dB Peak [mm]		6.8



Test Date : 2025-03-13 | Ambient Temp : 21.5 °C | Tissue Temp : 21.7 °C

Test Mode

11_Bluetooth_LE 1Mbps_Top Side of the keyboard_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	FX608J	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, 39	7.25	1.87	40.6

Hardware Setup

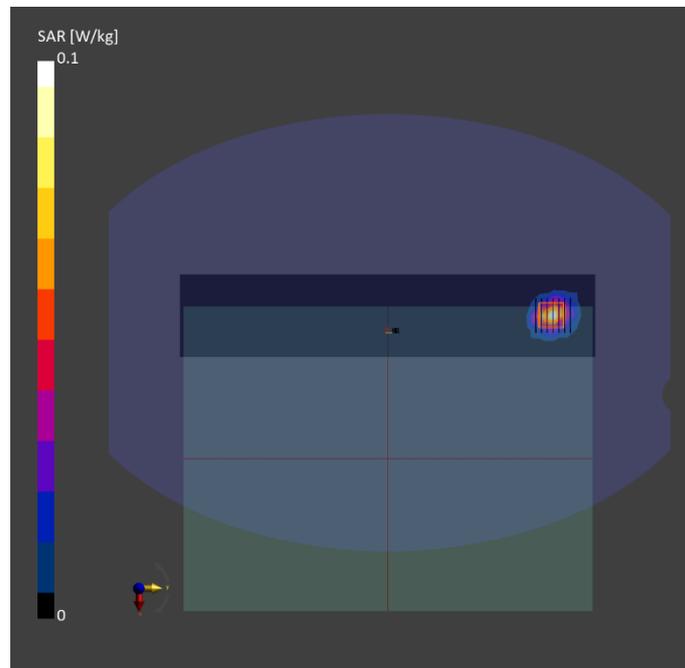
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

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]	0.075	0.080
psSAR-10g [W/kg]	0.033	0.034
Power Drift [dB]		0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		48.2
Dist 3dB Peak [mm]		8.6



Test Date : 2025-03-17 | Ambient Temp : 20.9 °C | Tissue Temp : 21.1 °C

Test Mode

12_U-NII 5_802.11ax HE160_Top Side of the keyboard_0mm_Ch79_Ant 0_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	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, 10755 - AAC	6345.000, 79	5.25	6.24	33.4

Hardware Setup

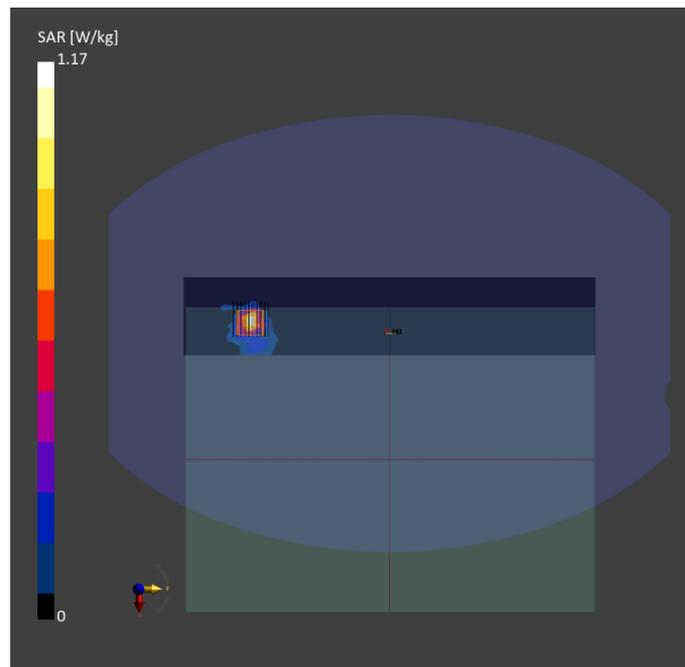
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2180	HBBL-600-10000	EX3DV4 - SN7737 / 2024-07-31	DAE4 Sn1741 / 2024-07-16
Measurement Software Version		16.4.0.5005	

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	68.0 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]	0.878	0.926
psSAR-10g [W/kg]	0.248	0.263
psAPD (1.0 cm ² , sq) [W/m ²]		9.26
psAPD (4.0 cm ² , sq) [W/m ²]		6.08
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		51.1
Dist 3dB Peak [mm]		5.7



Test Date : 2025-03-16 | Ambient Temp : 22.2 °C

Test Mode

13_U-NII 5_802.11ax HE160_Front Edge of laptop_2mm_Ch47_Ant 1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	A002	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-5	WLAN, 10755 - AAC	6185.0, 47	1.0

Hardware Setup

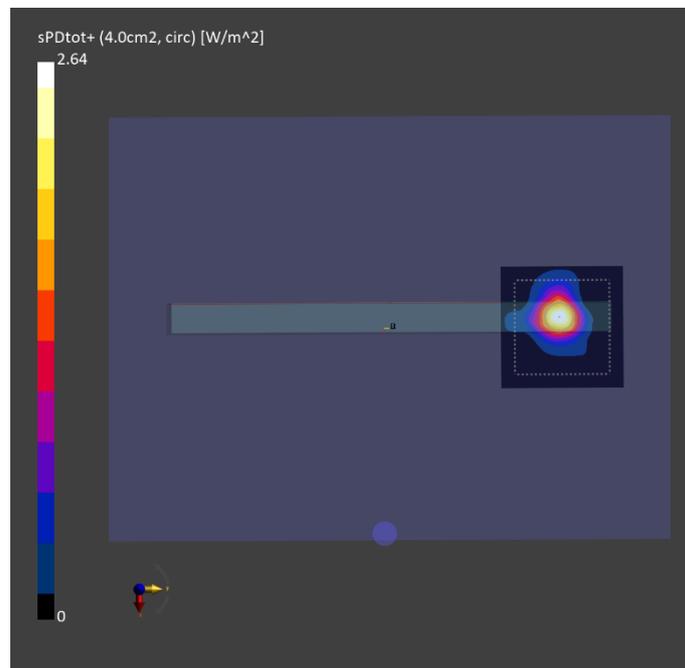
Phantom	Medium	Probe Calibration Date	DAE Calibration Date
mmWave - 1102	Air	EUmmWV4 - SN9639_F1-55GHz / 2024-09-16	DAE4 Sn1742 / 2024-08-15
Measurement Software Version		V3.2.0.1840	

Scan Setup

	5G Scan
Grid Extents [mm]	97.0 x 97.0
Grid Steps [mm]	0.0515 x 0.0515
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	2.08
psPD tot+ [W/m ²]	2.64
psPD mod+ [W/m ²]	3.25
Peak PD tot [W/m ²]	3.97
Power Drift [dB]	-0.19



Test Date : 2025-03-17 | Ambient Temp : 22.7 °C

Test Mode

14_U-NII 5_802.11ax HE160_Top Side of keyboard_2mm_Ch79_Ant 0_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	FX608J	A002	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-5	WLAN, 10755 - AAC	6345.0, 79	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
Measurement Software Version		V3.2.0.1840	

Scan Setup

	5G Scan
Grid Extents [mm]	95.0 x 95.0
Grid Steps [mm]	0.0529 x 0.0529
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	3.20
psPD tot+ [W/m ²]	4.11
psPD mod+ [W/m ²]	4.75
Peak PD tot [W/m ²]	6.88
Power Drift [dB]	0.06

