

Appendix C – Highest Test Plots

Test Date : 2025-03-05 | Ambient Temp : 22.2 °C | Tissue Temp : 21.2 °C

Test Mode

1_WLAN2.4G_802.11b_Bottom of laptop_0mm_Ch6_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA605K	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	7.09	1.69	38.7

Hardware Setup

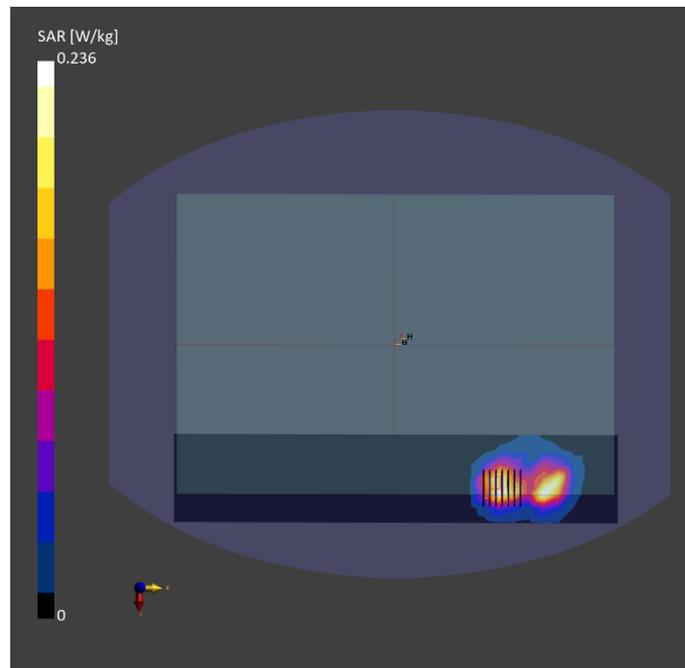
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16
Measurement Software Version		16.4.0.5005	

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]	0.201	0.190
psSAR-10g [W/kg]	0.100	0.086
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		39.9
Dist 3dB Peak [mm]		8.0



Test Date : 2025-03-05 | Ambient Temp : 22.2 °C | Tissue Temp : 21.2 °C

Test Mode

2_WLAN5.3G_802.11ac_VHT160_Bottom of laptop_0mm_Ch50_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA605K	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	5.27	4.76	36.7

Hardware Setup

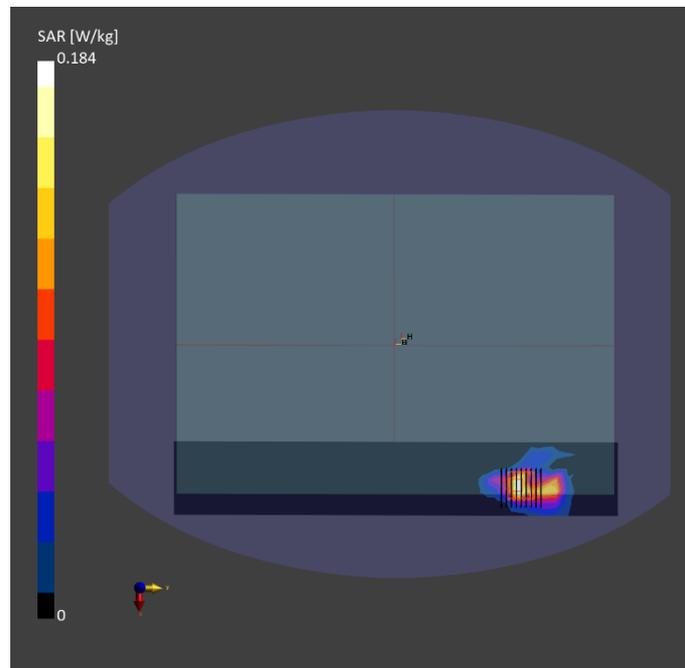
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16
Measurement Software Version		16.4.0.5005	

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]	0.135	0.148
psSAR-10g [W/kg]	0.047	0.043
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.8
Dist 3dB Peak [mm]		6.4



Test Date : 2025-03-05 | Ambient Temp : 22.2 °C | Tissue Temp : 21.2 °C

Test Mode

3_WLAN5.6G_802.11ac_VHT160_Bottom of laptop_0mm_Ch114_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA605K	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	4.7	5.12	36.5

Hardware Setup

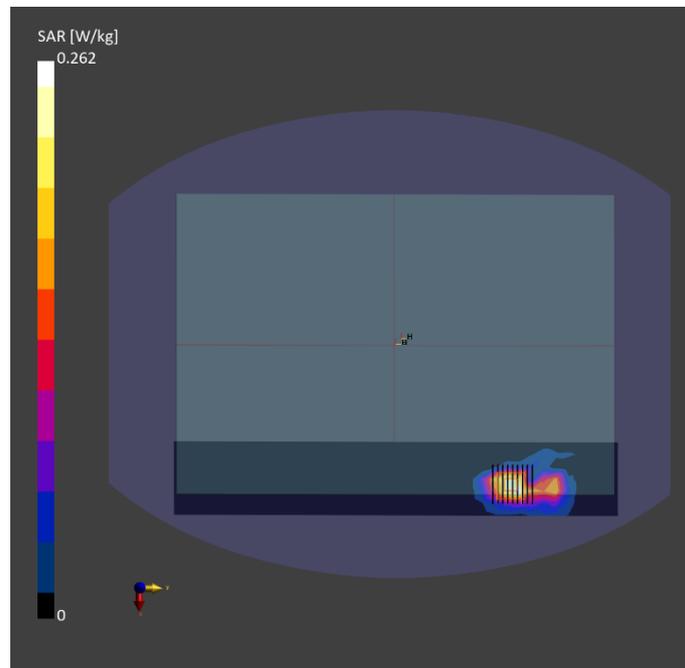
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16
Measurement Software Version		16.4.0.5005	

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]	0.213	0.244
psSAR-10g [W/kg]	0.081	0.076
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.9
Dist 3dB Peak [mm]		8.0



Test Date : 2025-03-05 | Ambient Temp : 22.2 °C | Tissue Temp : 21.2 °C

Test Mode

5_WLAN5.8G_802.11ac_VHT160_Bottom of laptop_0mm_Ch163_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA605K	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	4.73	5.1	36.7

Hardware Setup

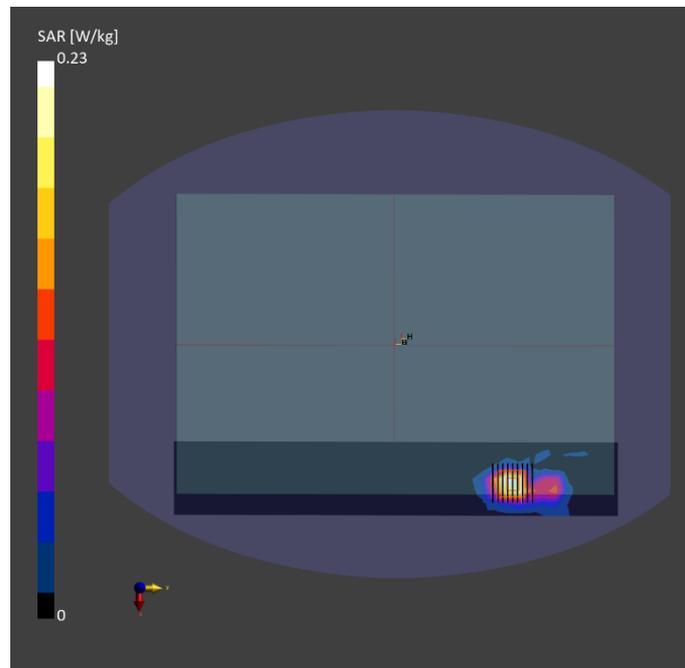
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16
Measurement Software Version		16.4.0.5005	

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]	0.191	0.222
psSAR-10g [W/kg]	0.070	0.064
Power Drift [dB]		0.06
TSL Correction	Positive only	Positive only
M2 / M1 [%]		53.3
Dist 3dB Peak [mm]		8.0



Test Date : 2025-03-05 | Ambient Temp : 22.2 °C | Tissue Temp : 21.2 °C

Test Mode

6_Bluetooth_GFSK_Bottom of laptop_0mm_Ch39_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA605K	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	1.69	38.7

Hardware Setup

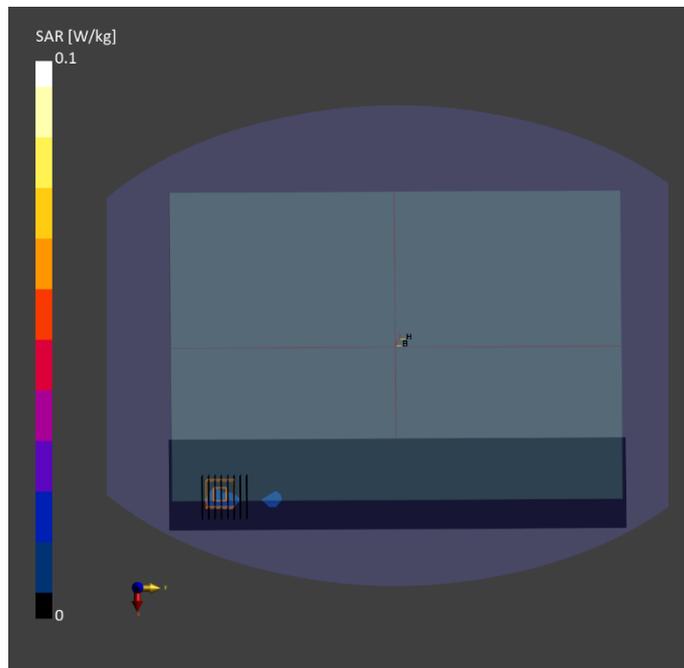
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16
Measurement Software Version		16.4.0.5005	

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]	0.015	0.009
psSAR-10g [W/kg]	0.005	0.002
Power Drift [dB]		0.15
TSL Correction	Positive only	Positive only
M2 / M1 [%]		35.7
Dist 3dB Peak [mm]		6.0



Test Date : 2025-03-05 | Ambient Temp : 22.2 °C | Tissue Temp : 21.2 °C

Test Mode

7_U-NII 5_802.11ax HE80_Bottom of laptop_0mm_Ch39_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA605K	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, 10731 - AAC	6145.000, 39	4.64	5.74	35.8

Hardware Setup

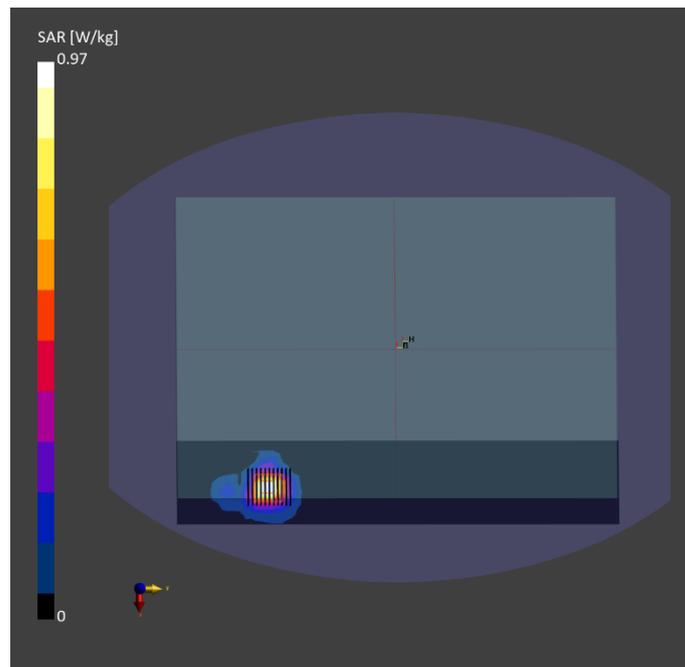
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16
Measurement Software Version		16.4.0.5005	

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]	0.850	0.963
psSAR-10g [W/kg]	0.298	0.326
psAPD (1.0 cm ² , sq) [W/m ²]		9.63
psAPD (4.0 cm ² , sq) [W/m ²]		7.34
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.4
Dist 3dB Peak [mm]		7.6



Test Date : 2025-03-05 | Ambient Temp : 22.2 °C | Tissue Temp : 21.2 °C

Test Mode

8_U-NII 6_802.11ax HE160_Bottom of laptop_0mm_Ch111_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA605K	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, 10755 - AAC	6505.000, 111	4.64	6.28	35.2

Hardware Setup

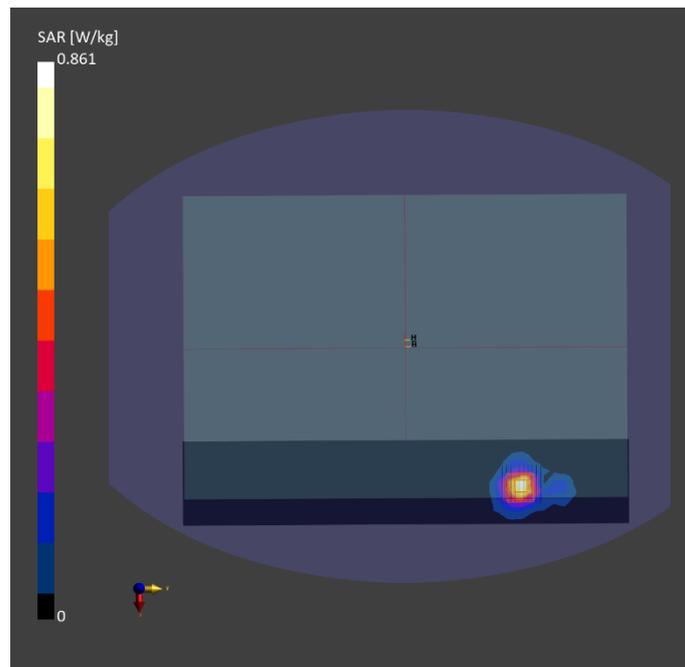
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16
Measurement Software Version		16.4.0.5005	

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]	0.679	0.775
psSAR-10g [W/kg]	0.224	0.251
psAPD (1.0 cm ² , sq) [W/m ²]		7.75
psAPD (4.0 cm ² , sq) [W/m ²]		5.69
Power Drift [dB]		-0.10
TSL Correction	Positive only	Positive only
M2 / M1 [%]		53.2
Dist 3dB Peak [mm]		8.2



Test Date : 2025-03-05 | Ambient Temp : 22.2 °C | Tissue Temp : 21.2 °C

Test Mode

9_U-NII 7_802.11ax HE80_Bottom of laptop_0mm_Ch151_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA605K	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, 10731 - AAC	6705.000, 151	4.64	6.64	34.3

Hardware Setup

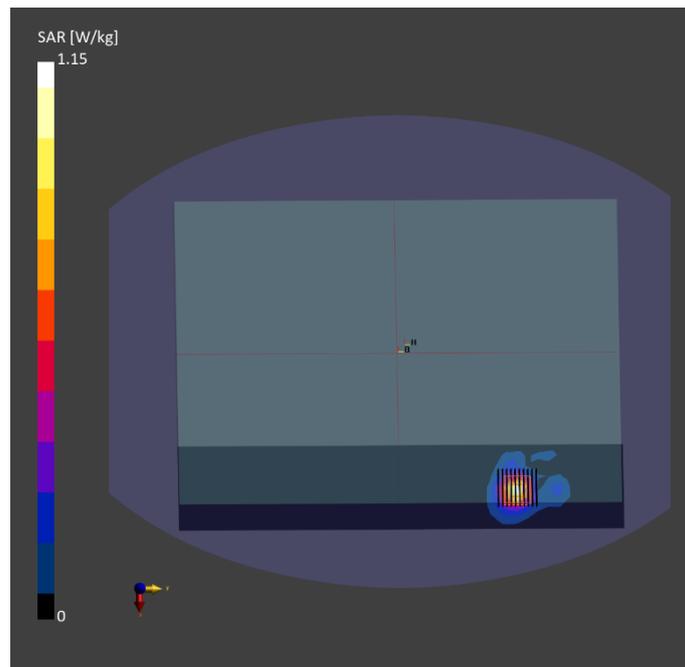
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16
Measurement Software Version		16.4.0.5005	

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]	0.910	1.03
psSAR-10g [W/kg]	0.300	0.332
psAPD (1.0 cm ² , sq) [W/m ²]		10.3
psAPD (4.0 cm ² , sq) [W/m ²]		7.52
Power Drift [dB]		0.05
TSL Correction	Positive only	Positive only
M2 / M1 [%]		50.7
Dist 3dB Peak [mm]		8.4



Test Date : 2025-03-05 | Ambient Temp : 22.2 °C | Tissue Temp : 21.2 °C

Test Mode

10_U-NII 8_802.11ax HE160_Bottom of laptop_0mm_Ch207_Ant 0

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA605K	A002	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	U-NII-8	WLAN, 10755 - AAC	6985.000, 207	4.64	6.98	33.5

Hardware Setup

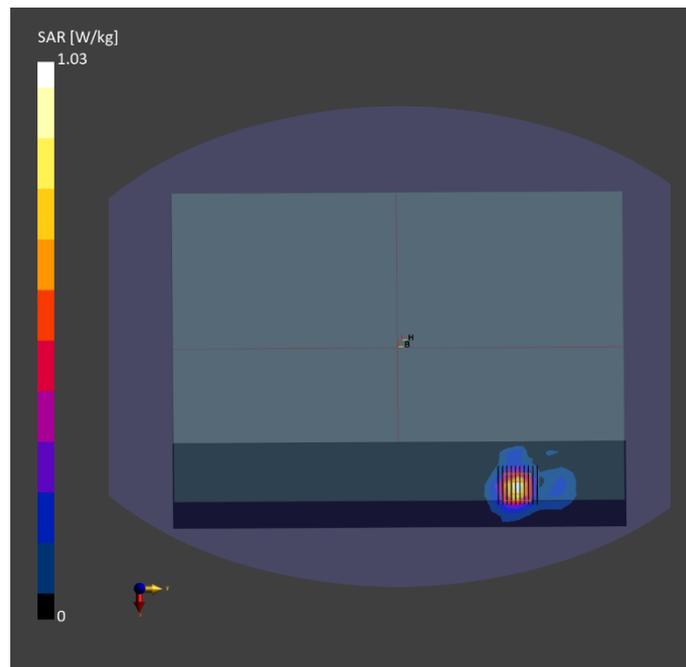
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7756 / 2024-09-04	DAE4 Sn1669 / 2024-05-16
Measurement Software Version		16.4.0.5005	

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]	0.852	0.953
psSAR-10g [W/kg]	0.281	0.307
psAPD (1.0 cm ² , sq) [W/m ²]		9.53
psAPD (4.0 cm ² , sq) [W/m ²]		6.95
Power Drift [dB]		0.03
TSL Correction	Positive only	Positive only
M2 / M1 [%]		49.2
Dist 3dB Peak [mm]		8.7



Test Date : 2025-03-06 | Ambient Temp : 22.3 °C

Test Mode

9_U-NII 7_802.11ax HE80_Bottom of laptop_0mm_Ch151_Ant 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	GA605K	A002	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-7	WLAN, 10731 - AAC	6705.0, 151	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		v3.2.2.2358	

Scan Setup

	5G Scan
Grid Extents [mm]	89.0 x 89.0
Grid Steps [mm]	0.0509 x 0.0509
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	6.15
psPD tot+ [W/m ²]	7.35
psPD mod+ [W/m ²]	8.18
Peak PD tot [W/m ²]	11.8
Power Drift [dB]	-0.02

