
Appendix C – Highest Test Plots

Test Date : 2024-04-30 | Ambient Temp : 22.7 °C | Tissue Temp : 21.5 °C

Test Mode**1_WLAN2.4G_802.11ac VHT40_Bottom Side_0mm_Ch13_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	HN7306W	A004	Convertible PC

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 2.4GHz	WLAN, 10534 - AAC	2472.000, 13	8.2	1.82	39.3

Hardware Setup

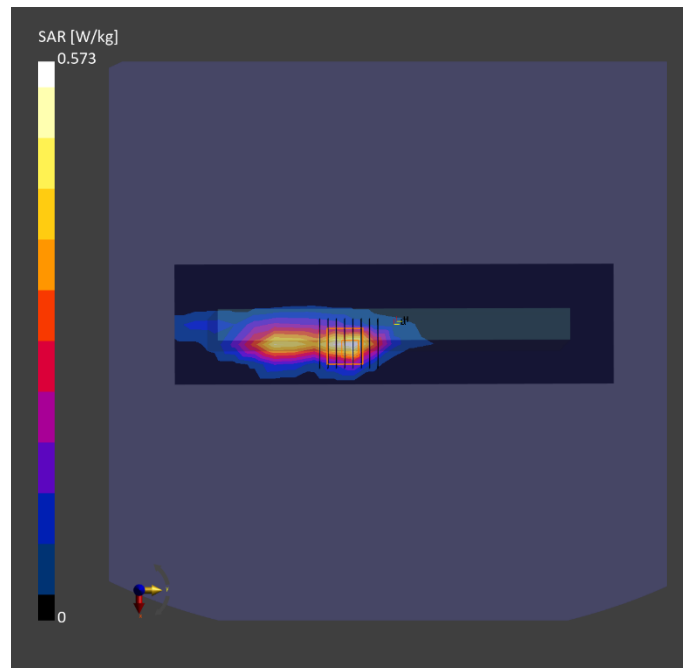
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 264.0	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]	0.440	0.481
psSAR-10g [W/kg]	0.198	0.202
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		36.9
Dist 3dB Peak [mm]		6.1



Test Date : 2024-05-02 | Ambient Temp : 22.5 °C | Tissue Temp : 21.3 °C

Test Mode**2_WLAN5.2G_802.11ac VHT80_Bottom Side_0mm_Ch42_Ant 0****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	HN7306W	A004	Convertible PC

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	5210.000, 42	5.91	4.41	35.7

Hardware Setup

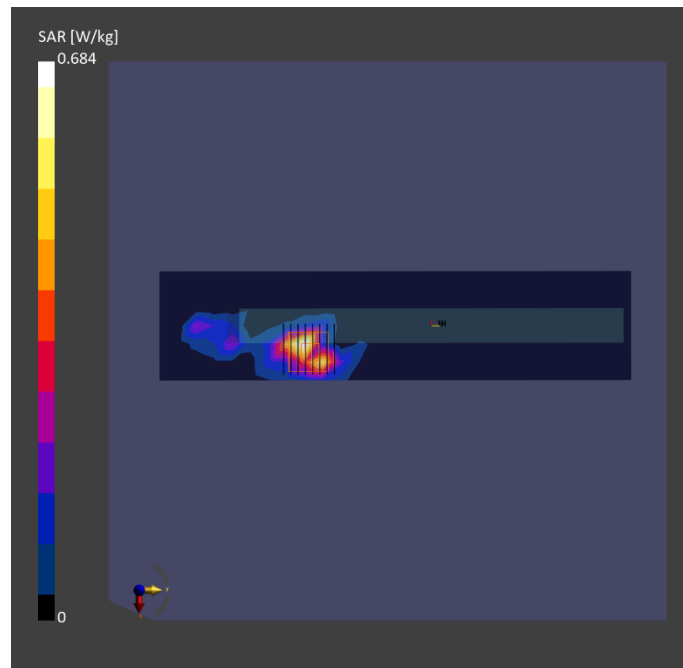
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 260.0	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]	0.443	0.531
psSAR-10g [W/kg]	0.153	0.162
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		64.9
Dist 3dB Peak [mm]		4.6



Test Date : 2024-05-01 | Ambient Temp : 22.5 °C | Tissue Temp : 21.3 °C

Test Mode**3_WLAN5.3G_802.11ac VHT80_Bottom Side_0mm_Ch58_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	HN7306W	A004	Convertible PC

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	5290.000, 58	5.91	4.50	35.6

Hardware Setup

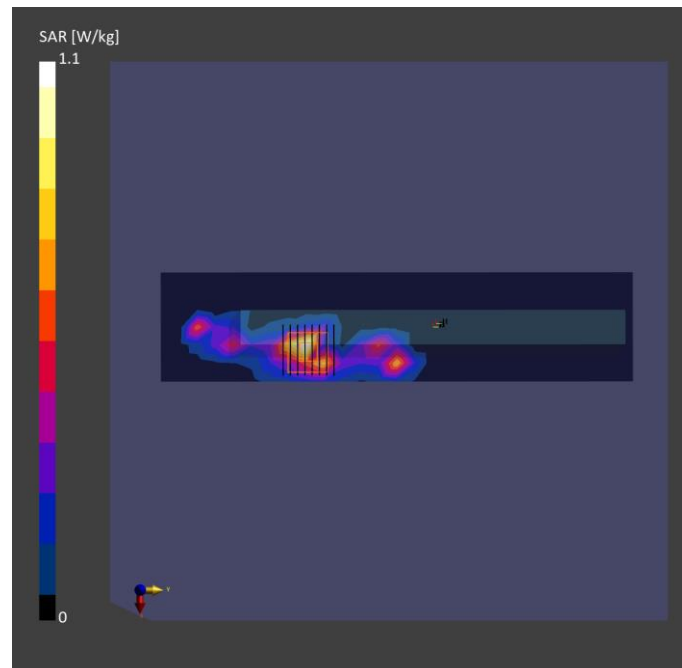
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 260.0	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]	0.373	0.423
psSAR-10g [W/kg]	0.128	0.129
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		60.3
Dist 3dB Peak [mm]		5.6



Test Date : 2024-05-02 | Ambient Temp : 22.3 °C | Tissue Temp : 21.1 °C

Test Mode**4_WLAN5.6G_802.11ac VHT160_Bottom Side_0mm_Ch114_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	HN7306W	A004	Convertible PC

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10554 - AAD	5570.000, 114	5.25	4.91	36.0

Hardware Setup

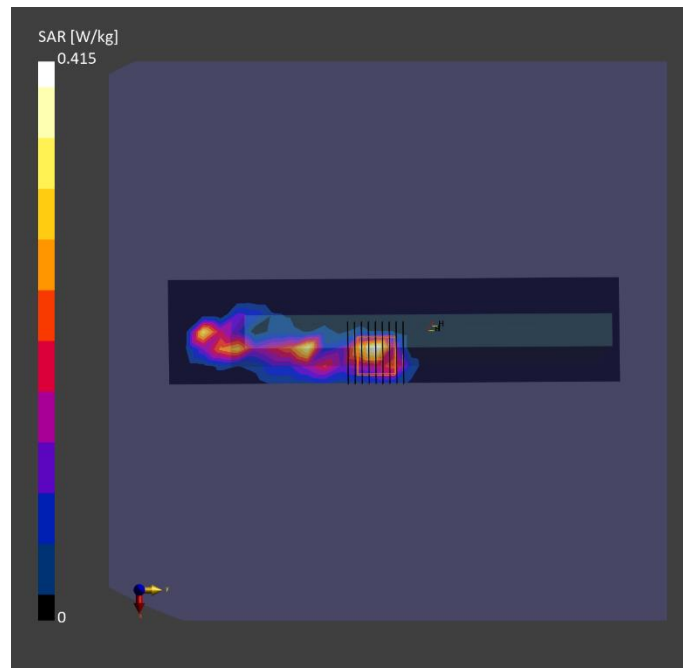
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 260.0	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]	0.278	0.282
psSAR-10g [W/kg]	0.093	0.086
Power Drift [dB]		0.19
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.4
Dist 3dB Peak [mm]		5.6



Test Date : 2024-05-03 | Ambient Temp : 22.8°C | Tissue Temp : 21.4 °C

Test Mode**6_WLAN5.8G_802.11ac VHT160_Bottom Side_0mm_Ch163_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	HN7306W	A004	Convertible PC

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	WLAN 5GHz	WLAN, 10554 - AAD	5815.000, 163	5.28	5.16	35.0

Hardware Setup

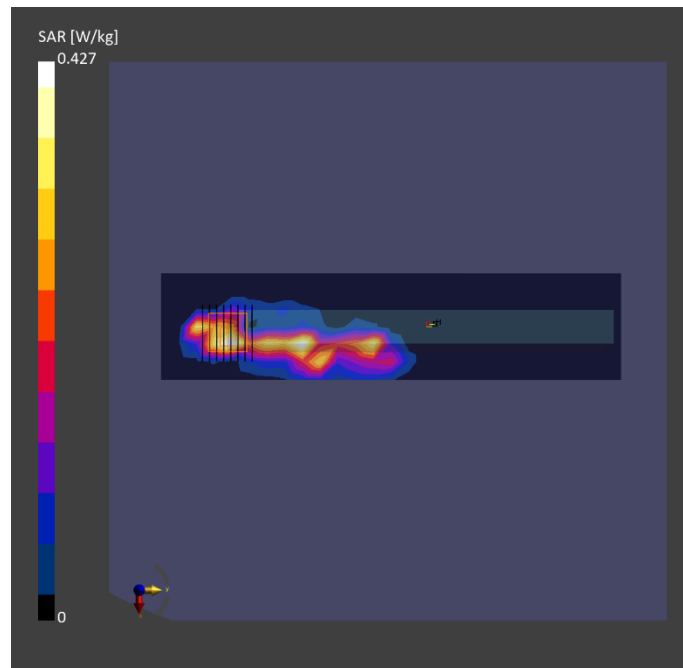
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 260.0	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]	0.315	0.463
psSAR-10g [W/kg]	0.110	0.115
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		52.7
Dist 3dB Peak [mm]		4.7



Test Date : 2024-04-30 | Ambient Temp : 22.7 °C | Tissue Temp : 21.5 °C

Test Mode**8_Bluetooth_GFSK_Bottom Side_0mm_Ch39_Ant 1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	HN7306W	A004	Convertible PC

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	8.2	1.80	39.3

Hardware Setup

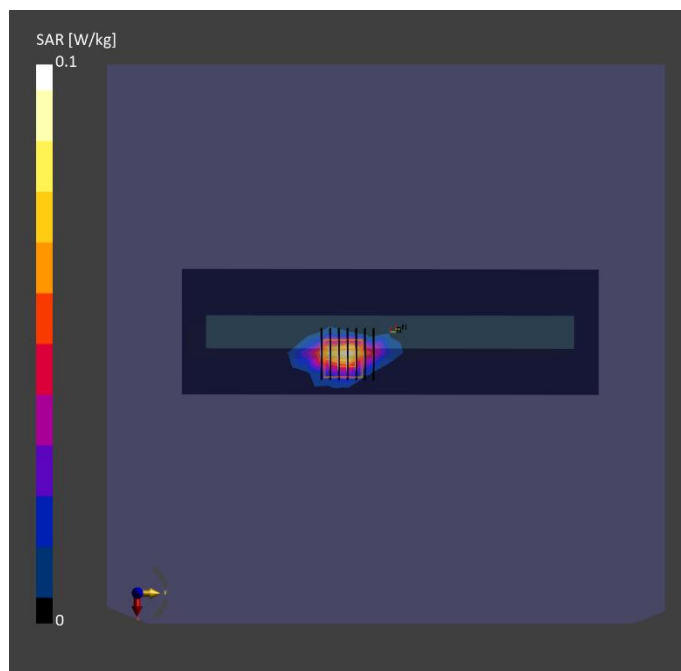
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	72.0 x 240.0	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]	0.073	0.078
psSAR-10g [W/kg]	0.031	0.028
Power Drift [dB]		0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		31.1
Dist 3dB Peak [mm]		5.2



Test Date : 2024-04-30 | Ambient Temp : 22.7 °C | Tissue Temp : 21.5 °C

Test Mode**9_UNII_5_802.11a_Bottom Side_0mm_Ch93_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	HN7306W	A004	Convertible PC

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat	U-NII-5	WLAN, 10683 - AAC	6415.000, 93	5.4	6.00	33.7

Hardware Setup

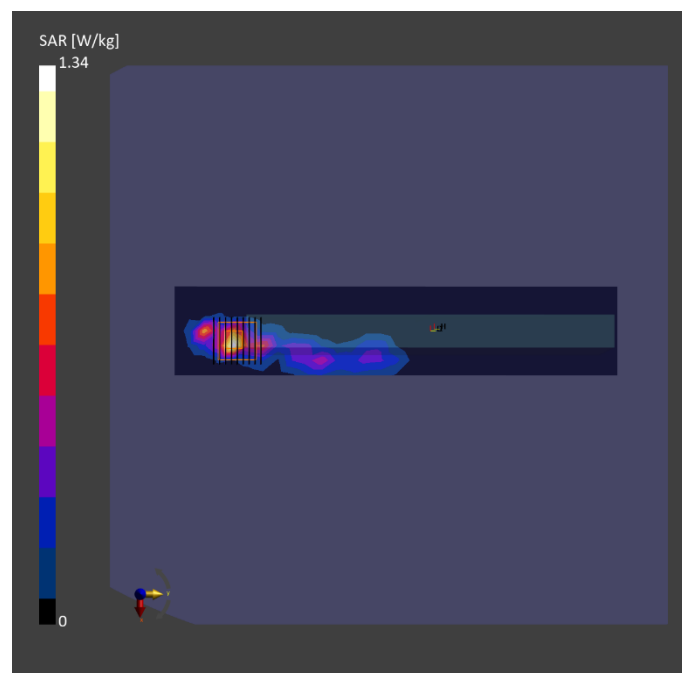
Phantom	Tissue Simulating Liquid	Probe / Calibration Date	DAE / Calibration Date
ELI V8.0 (20deg probe tilt) - 2179	HBBL-600-10000	EX3DV4 - SN7650 / 2023-05-22	DAE4 Sn1741 / 2023-08-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	51.0 x 255.0	23.8 x 23.8 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]	0.870	1.05
psSAR-10g [W/kg]	0.242	0.217
psAPD (1.0 cm ² , sq) [W/m ²]		11.6
psAPD (4.0 cm ² , sq) [W/m ²]		6.18
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		48.9
Dist 3dB Peak [mm]		4.6



Test Date : 2024-05-06 | Ambient Temp : 22.5 °C

Test Mode**10_UNII-5_802.11a_Bottom Side_0mm_Ch93_Ant 0+1****Device Under Test Properties**

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
ASUS	HN7306W	A004	Convertible PC

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-5	WLAN, 10062 - CAD	6415.0, 93	1.0

Hardware Setup

Phantom	Medium	Probe Calibration Date	DAE Calibration Date
mmWave - 1102	Air	EUmmWV3 - SN9403_F1-55GHz / 2023-12-05	DAE4 Sn1741 / 2023-08-23

Scan Setup

	5G Scan
Grid Extents [mm]	94.0 x 94.0
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]	4.00
psPD tot+ [W/m ²]	6.77
psPD mod+ [W/m ²]	7.84
E max [V/m]	84.2
Power Drift [dB]	-0.03

