

Appendix C - Highest Measurement Plots

Test Date : 2024-01-29 | Ambient Temp : 22.3 °C | Tissue Temp : 22.1 °C

Test Mode

1_WLAN 2.4 GHZ_802.11b_Bottom of laptop_0mm_Ch6_Ant 1+2_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
MediaTek	MT7922A12L	RBNTCX001756465	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	7.05	1.81	39.6

Hardware Setup

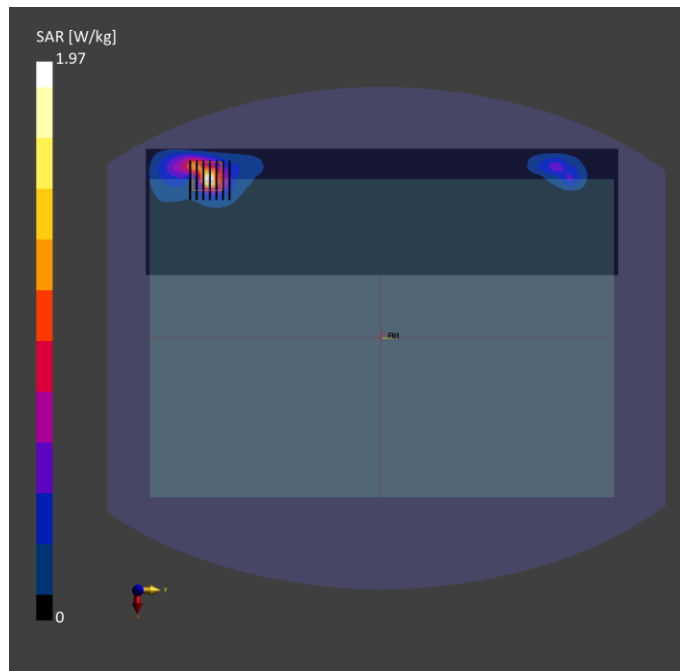
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1669 / 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 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]	0.880	0.933
psSAR-10g [W/kg]	0.372	0.351
Power Drift [dB]		-0.04
TSL Correction	Positive only	Positive only
M2 / M1 [%]		55.9
Dist 3dB Peak [mm]		5.4



Test Date : 2023-12-13 | Ambient Temp : 22.5 °C | Tissue Temp : 21.5 °C

Test Mode

2_WLAN 5.3 GHZ_802.11ac VHT80_Bottom of laptop_0mm_Ch58_Ant 1+2_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
MediaTek	MT7922A12L	RBNTCX001756465	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	5290.000, 58	5.02	4.47	34.6

Hardware Setup

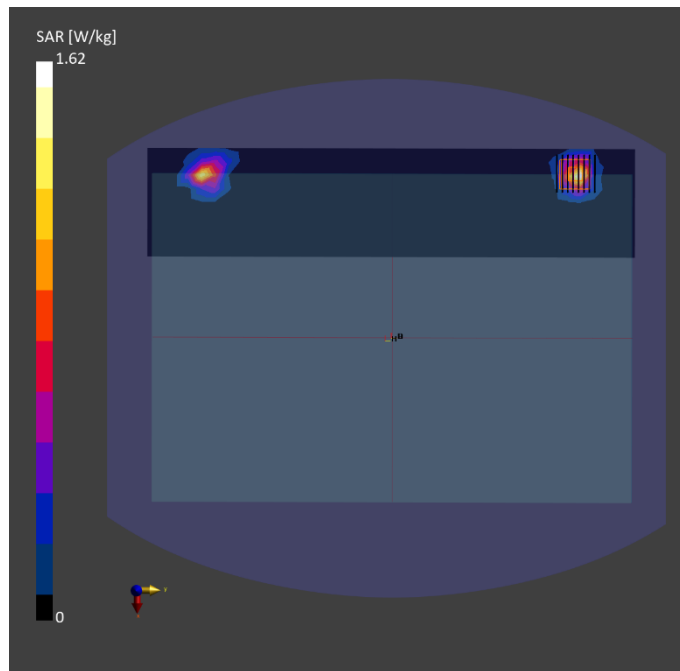
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7757 2023-08-22	DAE4 Sn1669 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 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]	1.07	1.15
psSAR-10g [W/kg]	0.344	0.352
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		62.8
Dist 3dB Peak [mm]		6.6



Test Date : 2023-12-13 | Ambient Temp : 22.5 °C | Tissue Temp : 21.5 °C

Test Mode

3_WLAN 5.6 GHZ_802.11ac VHT80_Bottom of laptop_0mm_Ch122_Ant 1+2_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
MediaTek	MT7922A12L	RBNTCX001756465	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	5610.000, 122	4.29	4.82	34.1

Hardware Setup

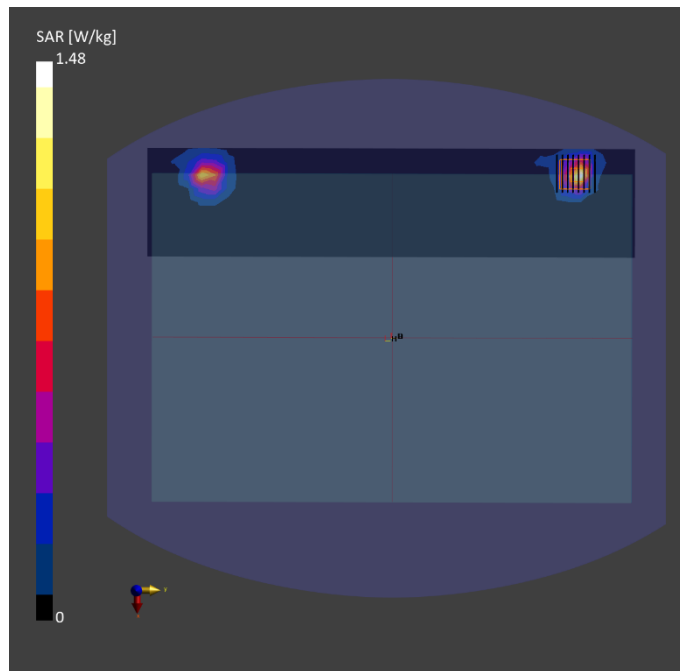
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1669 / 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 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]	0.949	1.10
psSAR-10g [W/kg]	0.292	0.323
Power Drift [dB]		-0.09
TSL Correction	Positive only	Positive only
M2 / M1 [%]		61.2
Dist 3dB Peak [mm]		6.6



Test Date : 2023-12-13 | Ambient Temp : 22.5 °C | Tissue Temp : 21.5 °C

Test Mode

5_WLAN 5.8 GHZ_802.11ac VHT80_Bottom of laptop_0mm_Ch155_Ant 1+2_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
MediaTek	MT7922A12L	RBNTCX001756465	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	4.36	5.00	33.8

Hardware Setup

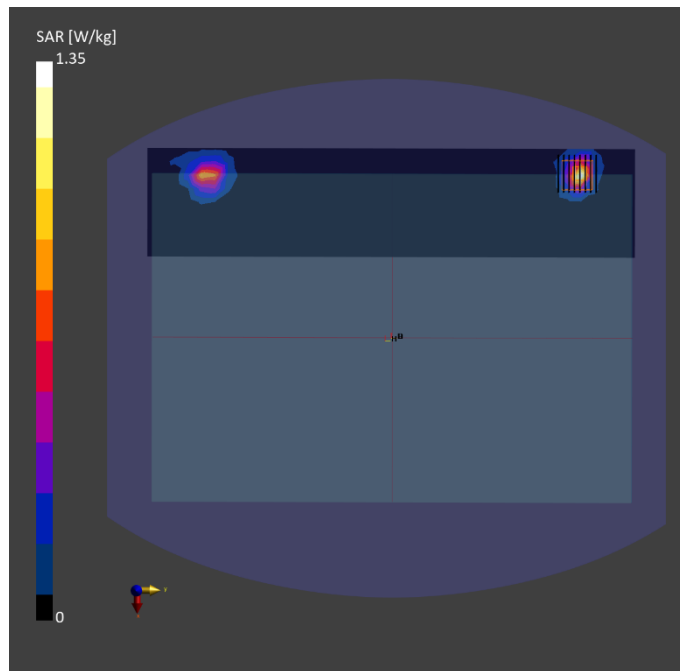
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1669 / 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 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]	0.826	0.977
psSAR-10g [W/kg]	0.239	0.265
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.8
Dist 3dB Peak [mm]		6.4



Test Date : 2023-12-13 | Ambient Temp : 22.5 °C | Tissue Temp : 21.5 °C

Test Mode

6_WLAN 5.9 GHZ_802.11ac VHT160_Bottom of Laptop_0mm_Ch163_Ant 1+2_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
MediaTek	MT7922A12L	A001	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 - AAD	5815.000, 163	4.36	5.05	33.8

Hardware Setup

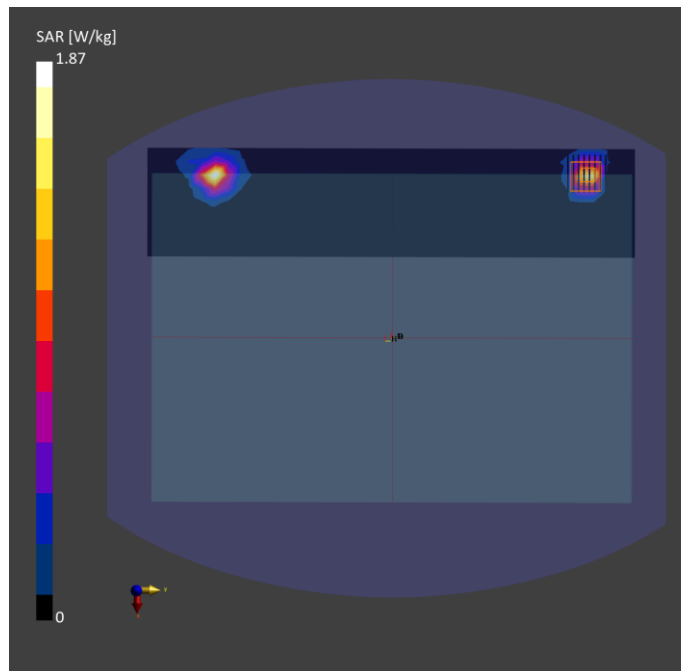
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1669 / 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	80.0 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]	0.550	0.688
psSAR-10g [W/kg]	0.173	0.184
Power Drift [dB]		0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		57.4
Dist 3dB Peak [mm]		5.9



Test Date : 2023-12-13 | Ambient Temp : 22.5 °C | Tissue Temp : 21.5 °C

Test Mode

7_Bluetooth_BDR_Bottom of laptop_0mm_Ch39_Ant 2_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
MediaTek	MT7922A12L	RBNTCX001756465	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	7.05	1.84	40.5

Hardware Setup

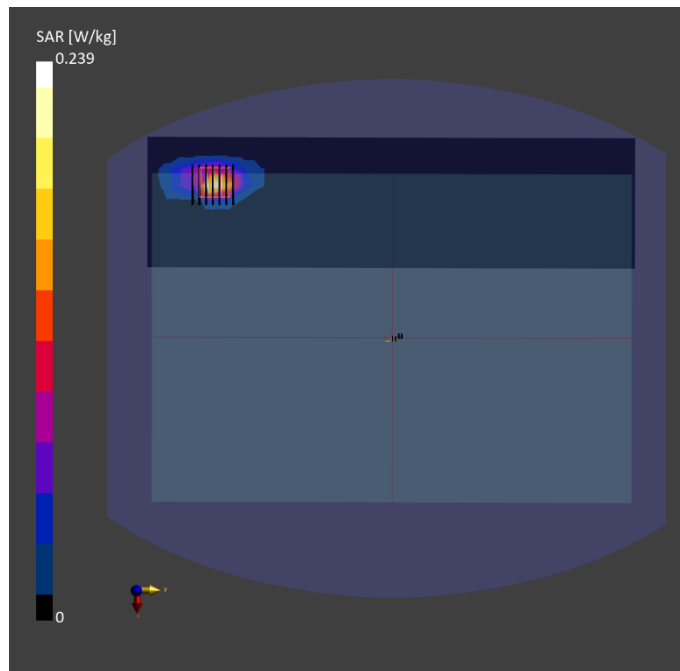
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1669 / 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	96.0 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]	0.177	0.232
psSAR-10g [W/kg]	0.078	0.083
Power Drift [dB]		-0.02
TSL Correction	Positive only	Positive only
M2 / M1 [%]		38.4
Dist 3dB Peak [mm]		5.4



Test Date : 2023-12-12 | Ambient Temp : 22.7 °C | Tissue Temp : 21.3 °C

Test Mode

8_WLAN 6 GHz_802.11a_Bottom of laptop_0mm_Ch1_Ant 1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
MediaTek	MT7922A12L	RBNTCX001756465	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, 10671 - AAC	5955.000, 1	4.47	5.36	34.8

Hardware Setup

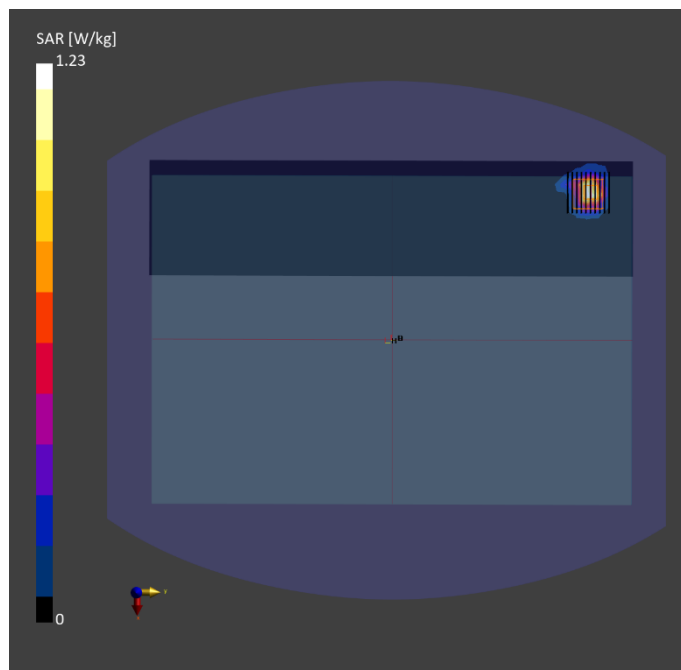
Phantom	Tissue Simulating Liquid	Probe Calibration Date	DAE Calibration Date
ELI V8.0 (20deg probe tilt) - 2141	HBBL-600-10000	EX3DV4 - SN7757 / 2023-08-22	DAE4 Sn1669 / 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	85.0 x 357.0	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]	0.947	1.12
psSAR-10g [W/kg]	0.287	0.298
psAPD (1.0 cm ² , sq) [W/m ²]		11.2
psAPD (4.0 cm ² , sq) [W/m ²]		7.0
Power Drift [dB]		-0.01
TSL Correction	Positive only	Positive only
M2 / M1 [%]		56.4
Dist 3dB Peak [mm]		6.1



Test Date : 2023-12-14 | Ambient Temp : 22.6 °C

Test Mode

8_WLAN 6 GHz_802.11a_Bottom of laptop_2mm_Ch1_Ant 1_Sample 1

Device Under Test Properties

Manufacturer or Brand	Model No. or Code Name	Sample No. or IMEI	DUT Type
MediaTek	MT7922A12L	RBNTCX001756465	Laptop

Exposure Conditions

Phantom Section	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	U-NII-5	WLAN, 10671 - AAC	5955.0, 1	1.0

Hardware Setup

Phantom	Medium	Probe Calibration Date	DAE Calibration Date
mmWave - 1102	Air	EUmmWV4 - SN9639_F1-55GHz / 2023-08-18	DAE4 Sn1669 / 2023-05-23

Scan Setup

	5G Scan
Grid Extents [mm]	101.0 x 101.0
Grid Steps [mm]	0.0496 x 0.0496
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Avg. Area [cm ²]	4.00
psPD n+ [W/m ²]	3.07
psPD tot+ [W/m ²]	3.09
psPD mod+ [W/m ²]	3.11
E max [V/m]	34.8
Power Drift [dB]	0.10

