

Appendix C - Highest Measurement Plots

1_WLAN 2.4 GHz_802.11n HT40_Rear Face_0mm_Ch9_ANT 0+1_Sample2_Cover w_o

Device under Test Properties

Model: MT7921

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	WLAN 2.4GHz	WLAN, 10534-AAC	2452.000, 9	7.05	1.80	38.7

Hardware Setup

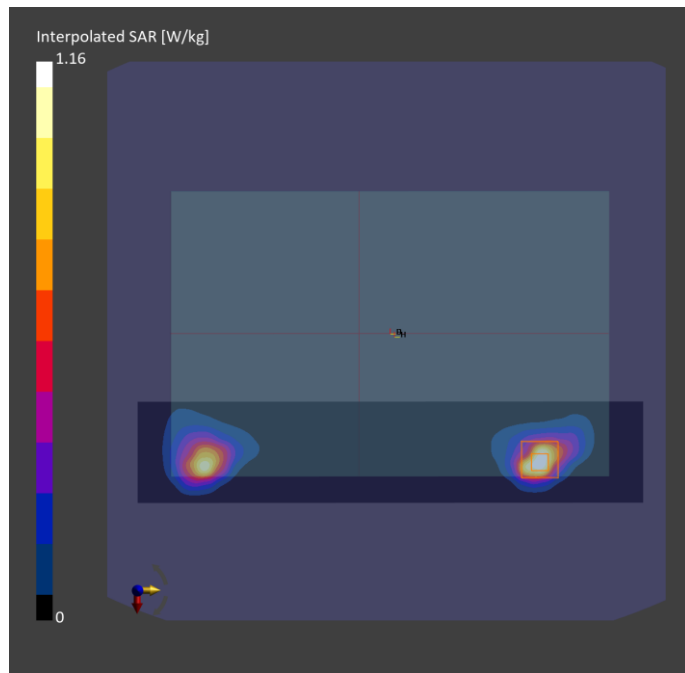
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2176	HBBL-600-10000 , 2023-Aug-25	EX3DV4 - SN7737, 2023-06-05	DAE4 Sn1669, 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 300.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-25	2023-08-25
psSAR1g [W/Kg]	0.904	0.780
psSAR10g [W/Kg]	0.405	0.331
Power Drift [dB]	0.00	0.02
TSL Correction	Positive only	Positive only
M2/M1 [%]		73.5
Dist 3dB Peak [mm]		7.1



5_Bluetooth_GFSK_Rear Face_0mm_Ch39_ANT 1_Sample1_Cover w_o

Device under Test Properties

Model: MT7921

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	ISM 2.4 GHz Band	Bluetooth, 10032-CAA	2441.000, 39	7.05	1.79	38.7

Hardware Setup

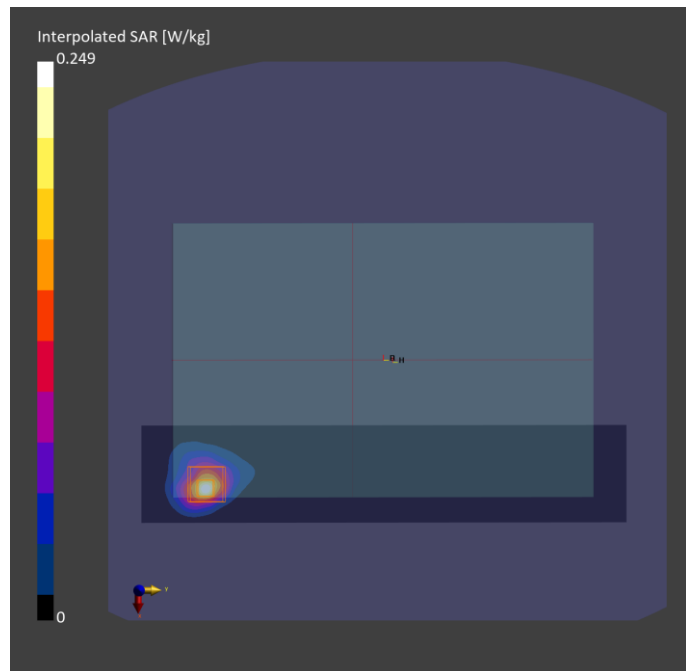
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2176	HBBL-600-10000 , 2023-Aug-28	EX3DV4 - SN7737, 2023-06-05	DAE4 Sn1669, 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 300.0	30.0 x 30.0 x 30.0
Grid Steps [mm]	10.0 x 10.0	5.0 x 5.0 x 1.5
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-28	2023-08-28
psSAR1g [W/Kg]	0.176	0.145
psSAR10g [W/Kg]	0.076	0.062
Power Drift [dB]	-1.07	-0.07
TSL Correction	Positive only	Positive only
M2/M1 [%]		73.4
Dist 3dB Peak [mm]		7.3



2_WLAN 5 GHz_802.11a_Top Side_0mm_Ch56_ANT 0_Sample1_Cover w_o

Device under Test Properties

Model: MT7921

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5280.000, 56	5.58	4.57	34.7

Hardware Setup

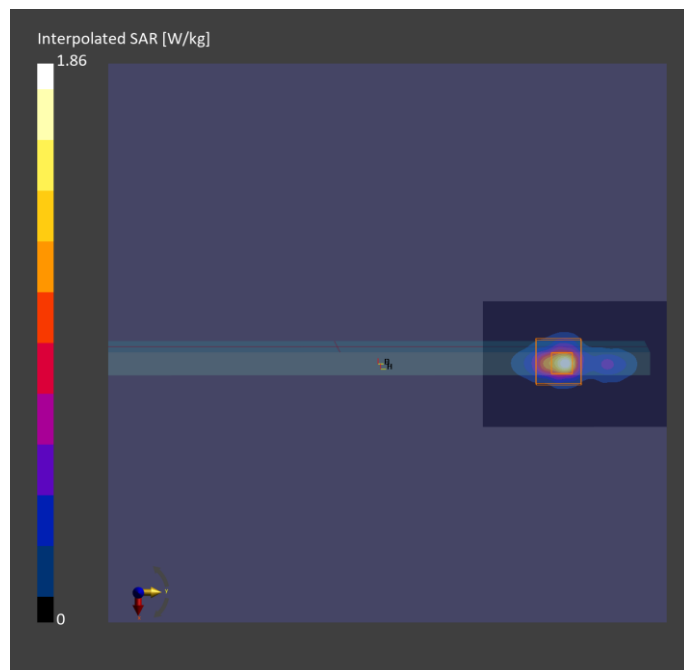
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2176	HBBL-600-10000 , 2023-Aug-28	EX3DV4 - SN7737, 2023-06-05	DAE4 Sn1669, 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 100.0	22.0 x 22.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-28	2023-08-28
psSAR1g [W/Kg]	1.12	1.13
psSAR10g [W/Kg]	0.294	0.298
Power Drift [dB]	-0.01	-0.04
TSL Correction	Positive only	Positive only
M2/M1 [%]		63.8
Dist 3dB Peak [mm]		5.6



3_WLAN 5 GHz_802.11a_Rear Face_0mm_Ch132_ANT 0_Sample1_Cover w_o

Device under Test Properties

Model: MT7921

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	BACK, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5660.000, 132	4.83	4.99	34.0

Hardware Setup

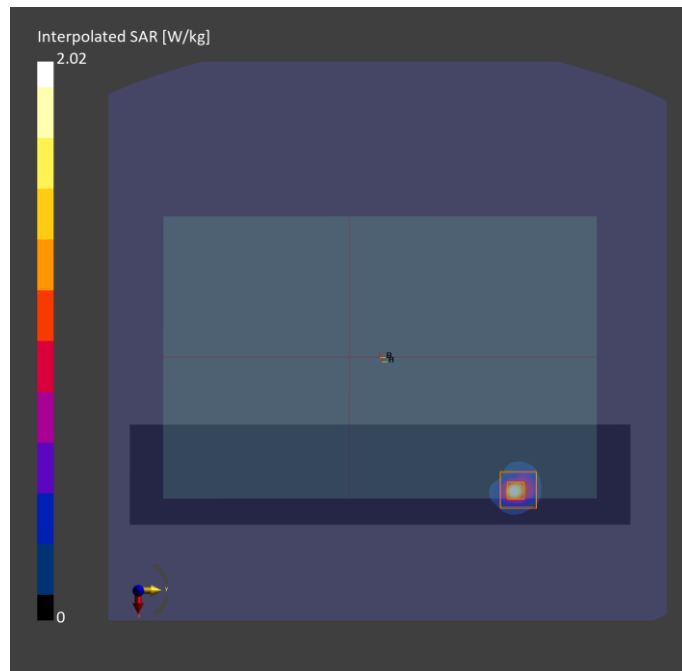
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2176	HBBL-600-10000 , 2023-Aug-28	EX3DV4 - SN7737, 2023-06-05	DAE4 Sn1669, 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 300.0	22.0 x 22.0 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

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-28	2023-08-28
psSAR1g [W/Kg]	1.16	1.11
psSAR10g [W/Kg]	0.297	0.302
Power Drift [dB]	0.05	0.03
TSL Correction	Positive only	Positive only
M2/M1 [%]		60.3
Dist 3dB Peak [mm]		4.7



4_WLAN 5 GHz_802.11a_Top Side_0mm_Ch157_ANT 0_Sample1_Cover w_o

Device under Test Properties

Model: MT7921

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	EDGE TOP, 0.00	WLAN 5GHz	WLAN, 10062-CAD	5785.000, 157	4.9	5.13	33.8

Hardware Setup

Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
ELI V8.0 (20deg probe tilt) - 2176	HBBL-600-10000 , 2023-Aug-28	EX3DV4 - SN7737, 2023-06-05	DAE4 Sn1669, 2023-05-23

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	60.0 x 100.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	10.0 x 10.0	3.9 x 3.9 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2023-08-28	2023-08-28
psSAR1g [W/Kg]	1.02	1.10
psSAR10g [W/Kg]	0.258	0.261
Power Drift [dB]	-0.00	-0.07
TSL Correction	Positive only	Positive only
M2/M1 [%]		59.6
Dist 3dB Peak [mm]		5.0

