APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LSMX910; Type: Portable Computing Device; Serial: R32W3001GVA

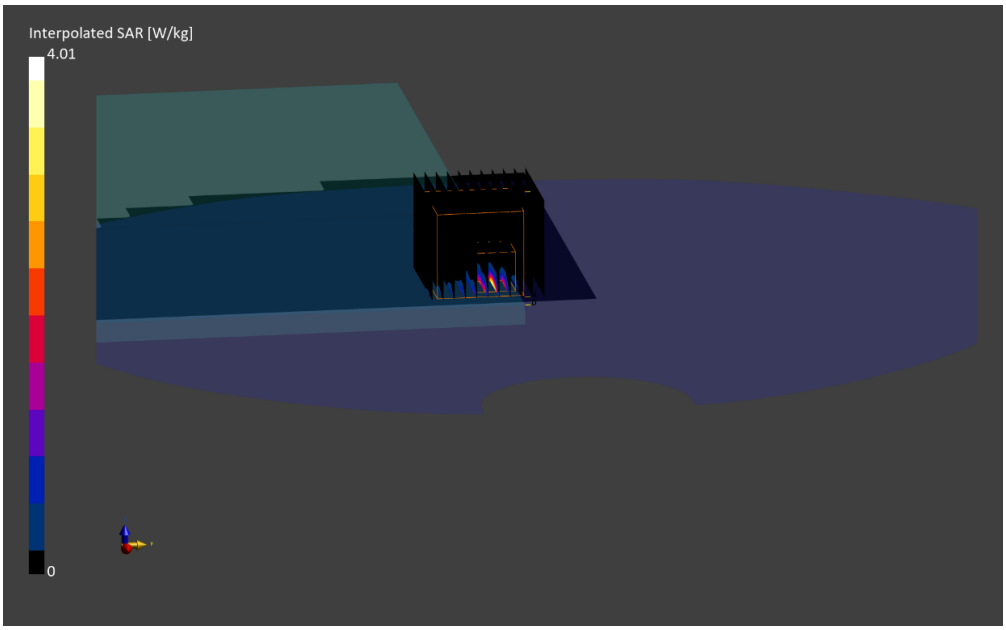
Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6305.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6305.0 MHz; cond = 6.12 S/m; perm = 34.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/08/2023; Ambient Temp: 21.0°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7532; ConvF:(5.3,5.3,5.3); Calibrated: 2023-04-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn501; Calibrated: 2023-04-14
Phantom: Twin-SAM V8.0; Serial: 2067
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11ax, 80 MHz Bandwidth, UNII-5, MIMO, Ch. 71, Body SAR, Back Side, 68.1 Mbps, Peak 2

Area Scan (238.0 x 357.0): Measurement grid: dx=8.5 mm, dy=8.5 mm
Zoom Scan (22.3 x 22.3 x 22.0): Measurement grid: dx=2.79 mm, dy=2.79 mm, dz=1.4 mm;
Graded Ratio: 1.4
Reference Value = 0.53 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 4.01 W/kg
SAR(1 g) = 0.520 W/kg; APD(4 cm^2) = 2.66 W/m^2
Smallest distance from peaks to all points 3 dB below is 2.8 mm
Ratio of SAR at M2 to SAR at M1 = 43.9 %



ELEMENT

DUT: A3LSMX910; Type: Portable Computing Device; Serial: R32W3001FXT

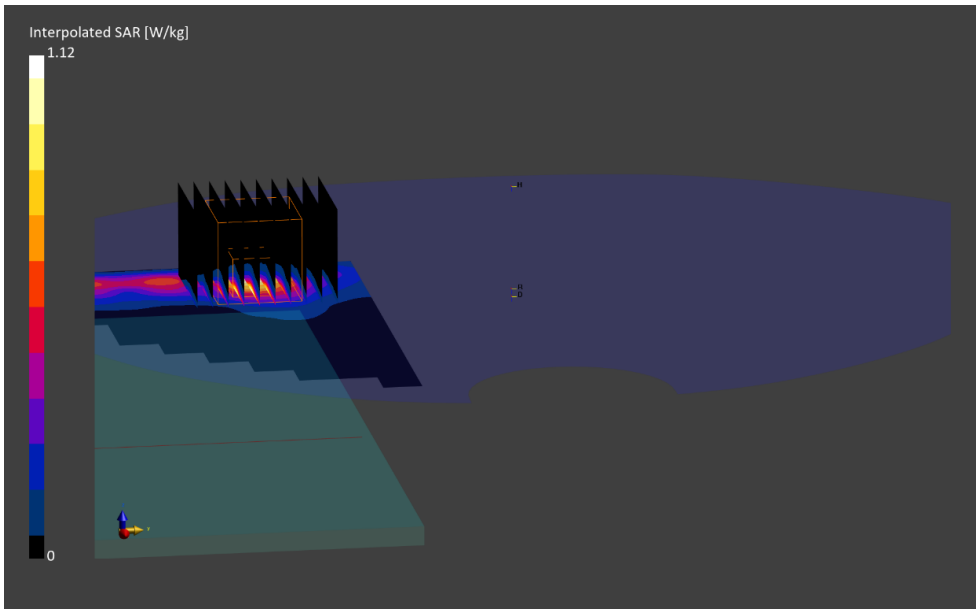
Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 5985.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 5985.0 MHz; cond = 5.72 S/m; perm = 35.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/08/2023; Ambient Temp: 21.0°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7532; ConvF:(5.3,5.3,5.3); Calibrated: 2023-04-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn501; Calibrated: 2023-04-14
Phantom: Twin-SAM V8.0; Serial: 2067
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11ax, 80 MHz Bandwidth, UNII-5, MIMO, Ch. 7, Body SAR, Bottom Edge, 68.1 Mbps

Area Scan (240.0 x 360.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.23 W/kg; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.250 W/kg; APD(4 cm^2) = 1.99 W/m^2
Smallest distance from peaks to all points 3 dB below is 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 55.2 %



ELEMENT

Date: 05/11/2023

Antenna MIMO; Channel 71; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMX910	R32W3001GYK	Portable Computing Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE LEFT	9.0	71	WLAN, 10731-AAC	6305.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9364_F1-55GHz, 2022-06-16	DAE4 Sn1646, 2022-11-10

Software Setup

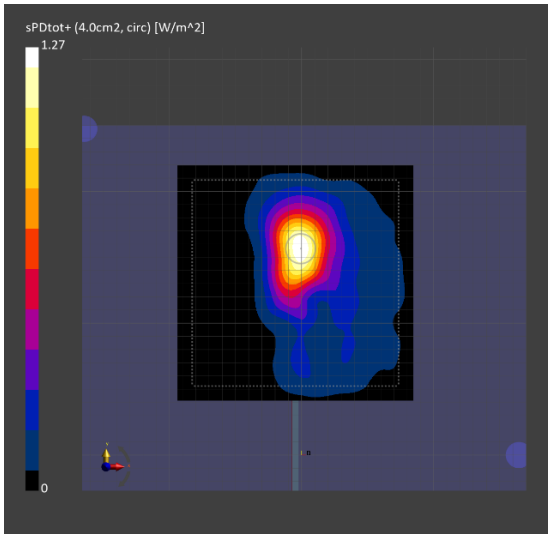
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	80.0 x 80.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	9.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS_{tot} avg [W/m²]	1.17
pS_n avg [W/m²]	1.27
E_{peak} [V/m]	28.6
Power Drift [dB]	0.12



ELEMENT

Date: 05/11/2023

Antenna MIMO; Channel 7; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMX910	R32W3001GYK	Portable Computing Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	BOTTOM	2.00	7	WLAN, 10731-AAC	5985.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9364_F1-55GHz, 2022-06-16	DAE4 Sn1646, 2022-11-10

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	80.0 x 80.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS_{tot} avg [W/m²]	1.81
pS_n avg [W/m²]	2.34
E_{peak} [V/m]	41.7
Power Drift [dB]	-0.20