APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LNP750XQA; Type: Portable Computing Device; Serial: 0677B

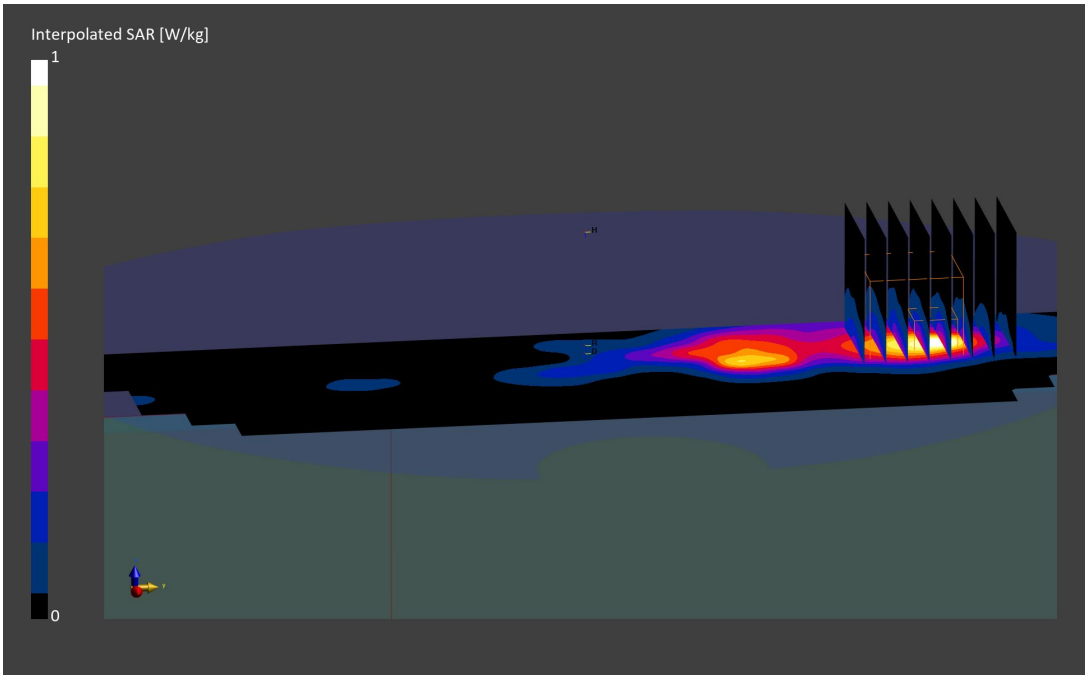
Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2462.000 MHz; cond = 1.81 S/m; perm = 38.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 08/19/2024; Ambient Temp: 21.9°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN3914; ConvF:(7.52,6.84,6.89); Calibrated: 2024-05-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; Calibrated: 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna MIMO, 20 MHz Bandwidth, Exp: Body| Bottom Edge, Ch. 11, 1Mbps

Area Scan (60.0 x 400.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.32 W/kg; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.00 W/kg
SAR(1 g) = 0.391 W/kg
Smallest distance from peaks to all points 3 dB below is 8.3 mm
Ratio of SAR at M2 to SAR at M1 = 70.4 %



ELEMENT

DUT: A3LNP750XQA; Type: Portable Computing Device; Serial: 0677B

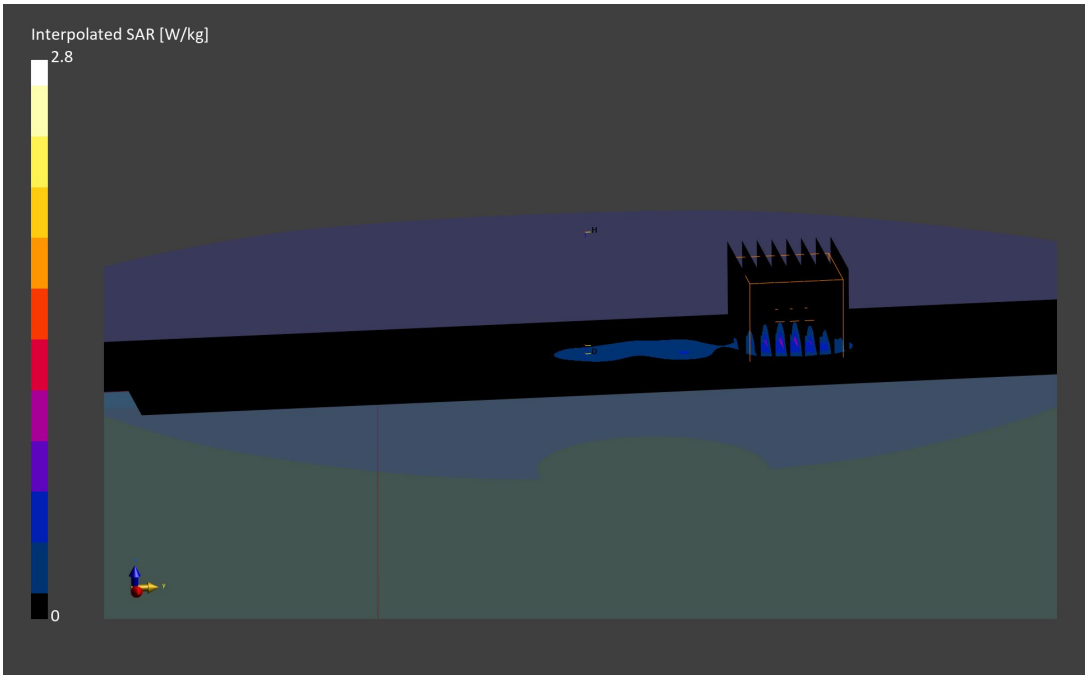
Communication System: UID:10544 - AAD, WLAN; MAIA: Y; Frequency: 5290.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5290.000 MHz; cond = 4.65 S/m; perm = 35.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 08/04/2024; Ambient Temp: 23.2°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN7713; ConvF:(5.54,5.54,5.54); Calibrated: 2024-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna MIMO, 80 MHz Bandwidth, U-NII-2A, Exp: Body| Bottom Edge, Ch. 58, 58.5 Mbps

Area Scan (60.0 x 400.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.50 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 2.80 W/kg
SAR(1 g) = 0.657 W/kg
Smallest distance from peaks to all points 3 dB below is 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 65.0 %



ELEMENT

DUT: A3LNP750XQA; Type: Portable Computing Device; Serial: 0671Z

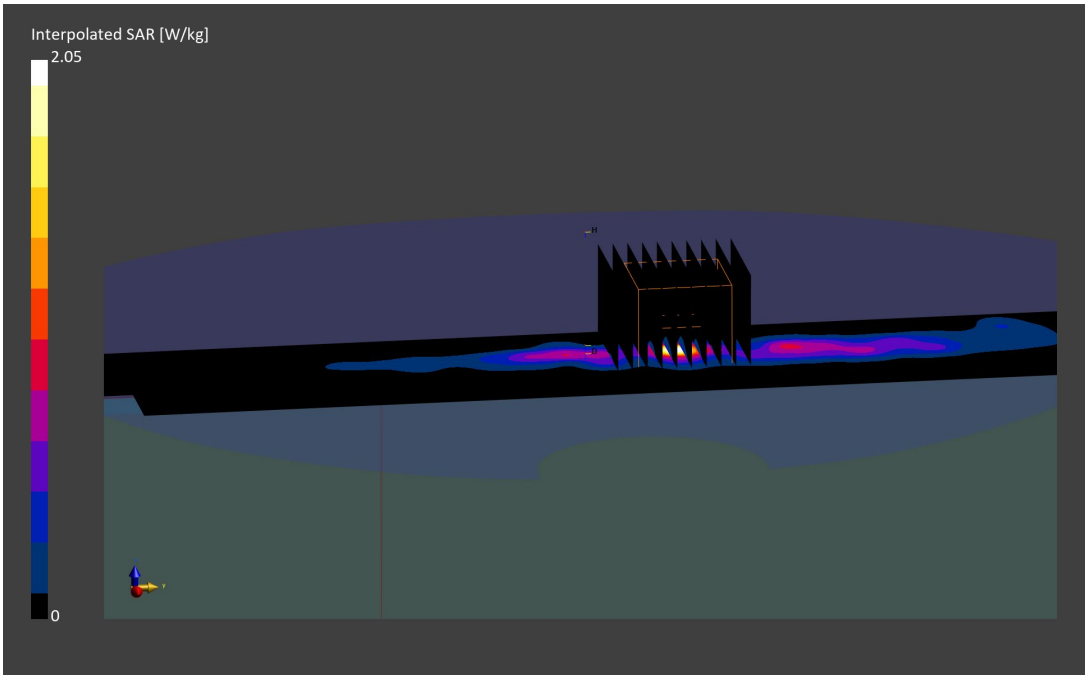
Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6705.000 MHz
Medium: 6000 Head; Medium parameters used:
f = 6705.000 MHz; cond = 6.37 S/m; perm = 33.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 08/05/2024; Ambient Temp: 23.0°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7659; ConvF:(5.95,5.95,5.95); Calibrated: 2024-04-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2024-04-18
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 6 GHz WIFI/ IEEE 802.11ax, Antenna MIMO, 80 MHz Bandwidth, U-NII-7, Exp: Body| Bottom Edge, Ch. 151, 68.1 Mbps

Area Scan (51.0 x 391.0): Measurement grid: dx=8.5 mm, dy=8.5 mm
Zoom Scan (23.8 x 23.8 x 22.0): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.32 W/kg; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 2.05 W/kg
SAR(1 g) = 0.358 W/kg; APD(4cm^2) = 1.97 W/m^2
Smallest distance from peaks to all points 3 dB below is 4.8 mm
Ratio of SAR at M2 to SAR at M1 = 52.0 %



ELEMENT

DUT: A3LNP750XQA; Type: Portable Computing Device; Serial: 0720R

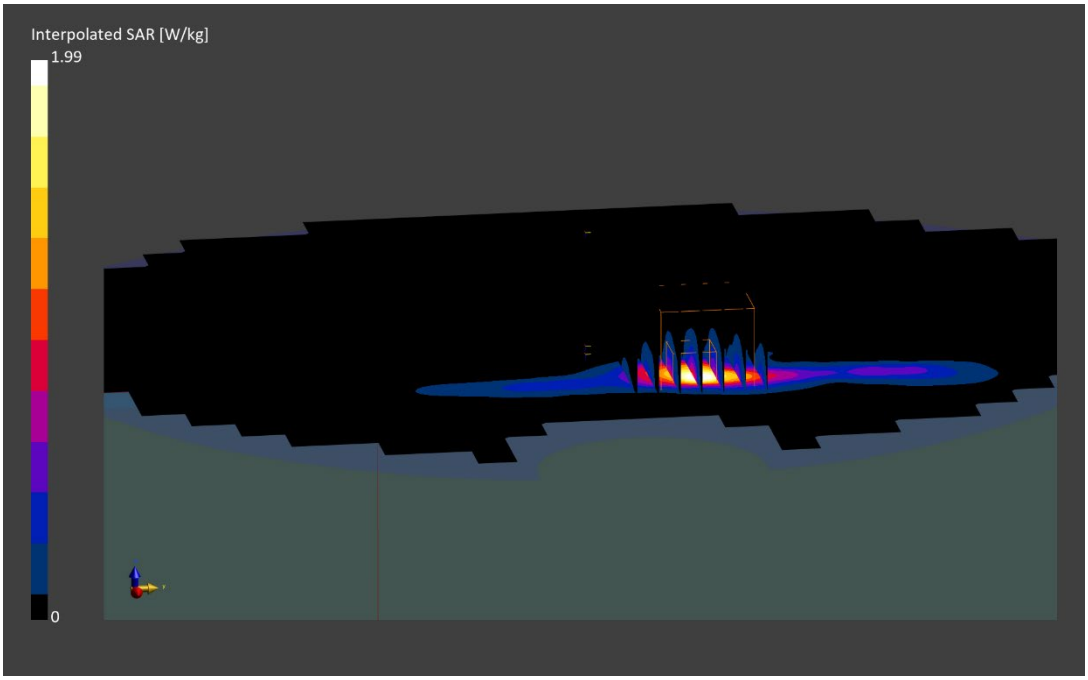
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2441.000 MHz; cond = 1.80 S/m; perm = 40.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 08/08/2024; Ambient Temp: 23.2°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7402; ConvF:(7.18,7.92,7.51); Calibrated: 2024-05-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1502; Calibrated: 2024-05-08
Phantom: Twin-SAM V5.0; Serial: 1797
Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 2.4 GHz Bluetooth, Antenna 1, Exp: Body| Bottom Edge, Ch. 39, 1 Mbps

Area Scan (1000.0 x 1000.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.68 W/kg; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 0.741 W/kg
Smallest distance from peaks to all points 3 dB below is 5.7 mm
Ratio of SAR at M2 to SAR at M1 = 73.5 %



Date: 2024-08-06

Measurement Group

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LNP750XQA	0721L	Portable Computing Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	Bottom	2.00	151	10731	6705.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9622, 2024-02-02	DAE4ip - SN1639, 2023-11-15

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS_{tot} avg [W/m²]	2.88
pS_n avg [W/m²]	2.44
E_{peak} [V/m]	56.3
Power Drift [dB]	0.10