APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: A3LNP960XMA; Type: Portable Laptop; Serial: 0093L

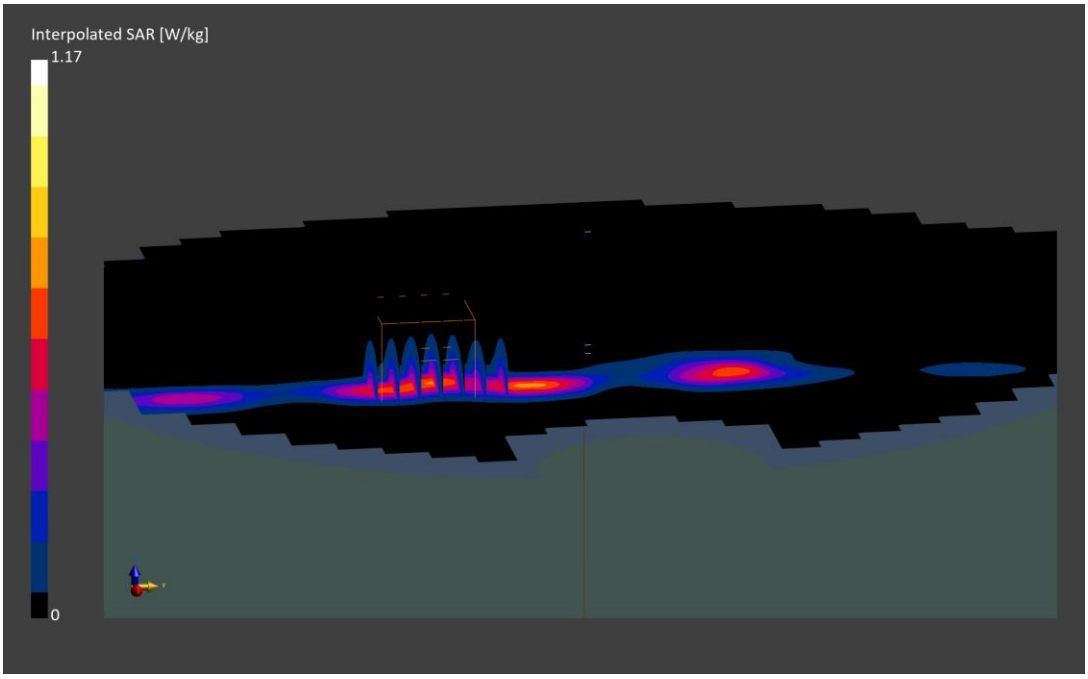
Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2462.000 MHz; cond = 1.89 S/m; perm = 39.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/18/2024; Ambient Temp: 22.4°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7527; ConvF:(7.26,6.64,7.68); Calibrated: 2024-03-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2024-03-12
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna MIMO, 22 MHz Bandwidth, Exp: Body| Bottom Edge, Ch. 11, 1Mbps

Area Scan (1000.0 x 1000.0): Measurement grid: dx=5.0 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 = 0.10 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.478 W/kg
Smallest distance from peaks to all points 3 dB below is 7.1 mm
Ratio of SAR at M2 to SAR at M1 = 76.2 %



ELEMENT

DUT: A3LNP960XMA; Type: Portable Laptop; Serial: 0099R

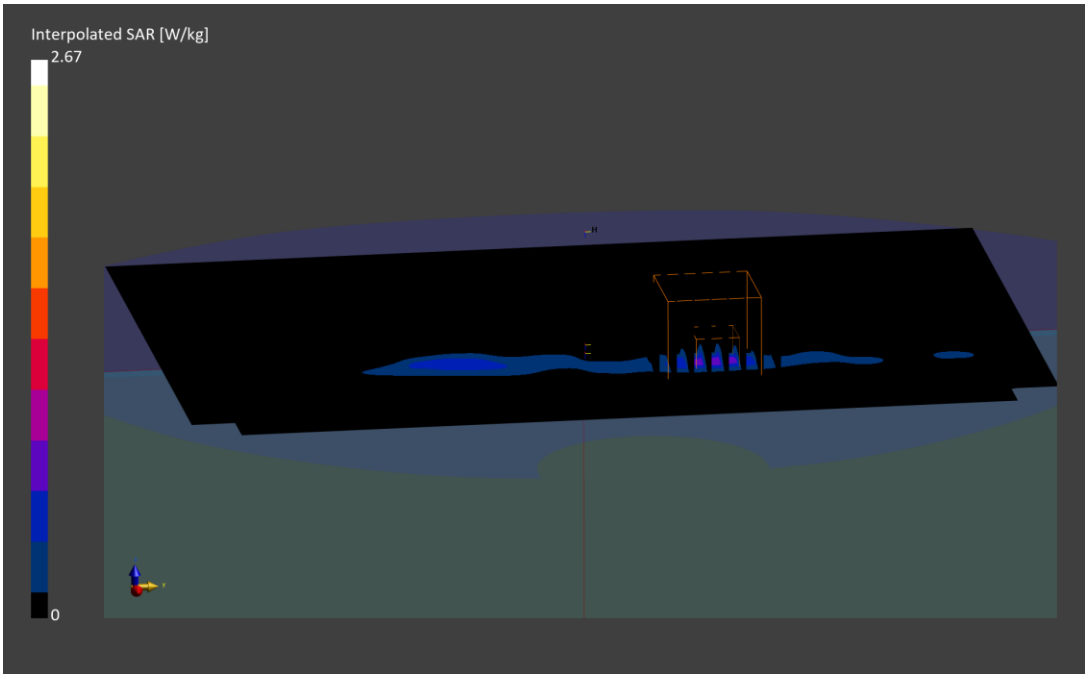
Communication System: UID:10544 - AAC, WLAN; MAIA: Y; Frequency: 5775.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5775.000 MHz; cond = 5.22 S/m; perm = 33.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/15/2024; Ambient Temp: 20.9°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7803; ConvF:(4.68,4.79,4.72); Calibrated: 2024-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1533; Calibrated: 2024-01-09
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna MIMO, 80 MHz Bandwidth, U-NII-3, Exp: Body| Bottom Edge, Ch. 155, 58.5 Mbps

Area Scan (140.0 x 200.0): Measurement grid: dx=5.0 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 = 0.02 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.67 W/kg
SAR(1 g) = 0.571 W/kg
Smallest distance from peaks to all points 3 dB below is 5.6 mm
Ratio of SAR at M2 to SAR at M1 = 59.4 %



ELEMENT

DUT: A3LNP960XMA; Type: Portable Laptop; Serial: 1119W

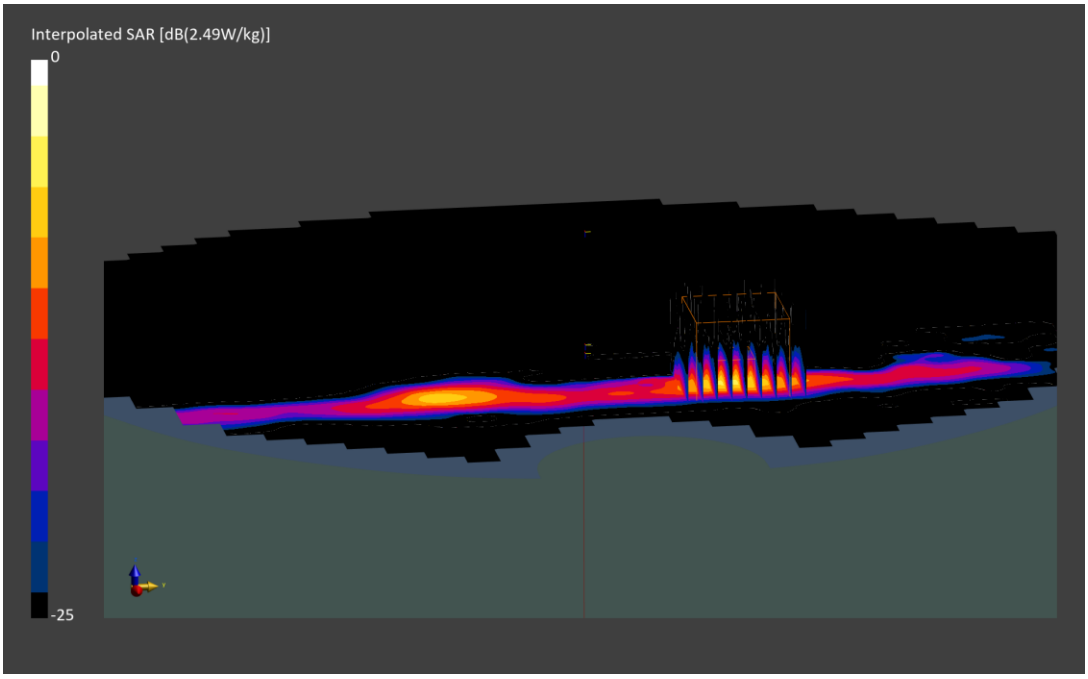
Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6465.000 MHz
Medium: 6000 Head; Medium parameters used:
f = 6465.000 MHz; cond = 6.18 S/m; perm = 33.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/08/2024; Ambient Temp: 20.5°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7410; ConvF:(5.55,5.55,5.55); Calibrated: 2023-07-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4ip Sn1638; Calibrated: 2023-10-18
Phantom: Twin-SAM V8.0; Serial: 1979
Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 6 GHz WIFI/ IEEE 802.11ax, Antenna MIMO, 80 MHz Bandwidth, U-NII-6, Exp: Body| Bottom Edge, Ch. 103, 68.1 Mbps

Area Scan (1000.0 x 1003.0): Measurement grid: dx=5.0 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 = 0.22 W/kg; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 0.448 W/kg; APD(4cm^2) = 2.59 W/m^2
Smallest distance from peaks to all points 3 dB below is 5.0 mm
Ratio of SAR at M2 to SAR at M1 = 51.7 %



ELEMENT

DUT: A3LNP960XMA; Type: Portable Laptop; Serial: 0095W

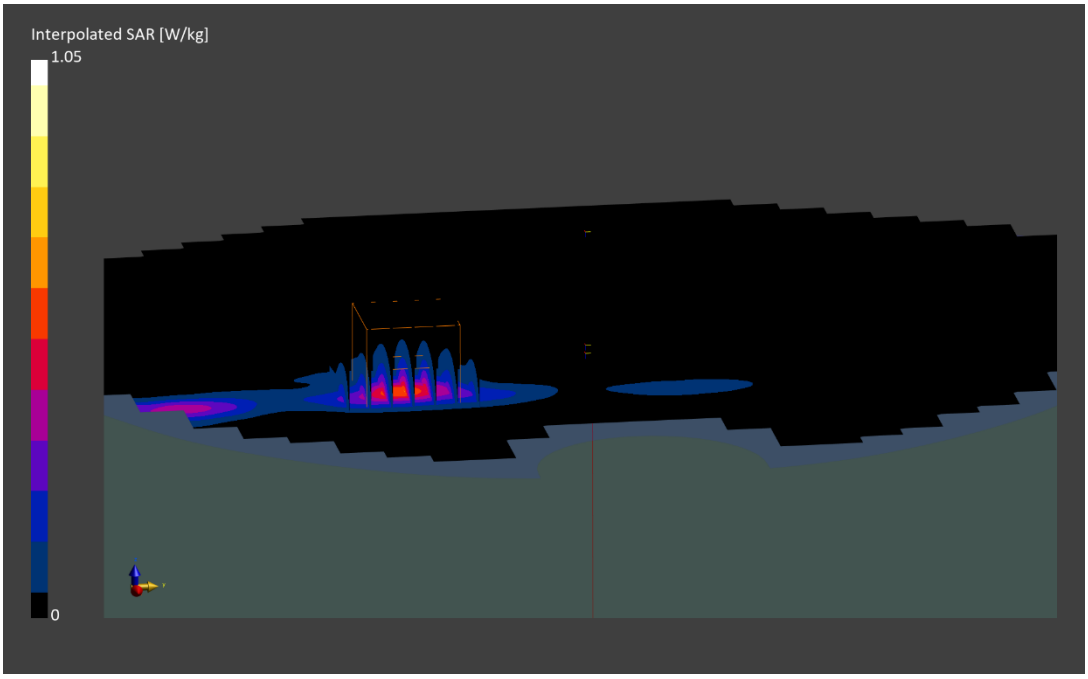
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2441.000 MHz; cond = 1.80 S/m; perm = 38.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/19/2024; Ambient Temp: 20.3°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7547; ConvF:(7.18,7.18,7.18); Calibrated: 2023-10-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2023-10-18
Phantom: Twin-SAM V8.0; Serial: 1937
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: 2.4 GHz Bluetooth, Antenna 1, Exp: Body| Bottom Edge, Ch. 39, 1 Mbps, Model: NP960XMB

Area Scan (1000.0 x 1000.0): Measurement grid: dx=5.0 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 = 0.36 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.05 W/kg
SAR(1 g) = 0.439 W/kg
Smallest distance from peaks to all points 3 dB below is 8.0 mm
Ratio of SAR at M2 to SAR at M1 = 77.4 %



Measurement Report for A3LNP960XMA, EDGE BOTTOM, U-NII-6, IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle), Channel 103 (6465.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
A3LNP960XMA	15.1 x 353.0 x 250.0	0716P	Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	EDGE BOTTOM, 2.00	U-NII-6	WLAN, 10731-AAC	6465.0, 103	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9622_F1-55GHz, 2024-02-02	DAE4ip Sn1639, 2023-11-15

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	150.0 x 150.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

Scan Type	5G Scan
Date	2024-04-08, 22:56
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	3.54
psPDtot+ [W/m²]	3.99
psPDmod+ [W/m²]	4.32
E_{max} [V/m]	53.5
Power Drift [dB]	0.18