APPENDIX A: TEST PLOTS

ELEMENT

DUT: A3LSMF731JPN; Type: Portable Handset; Serial: 0880M

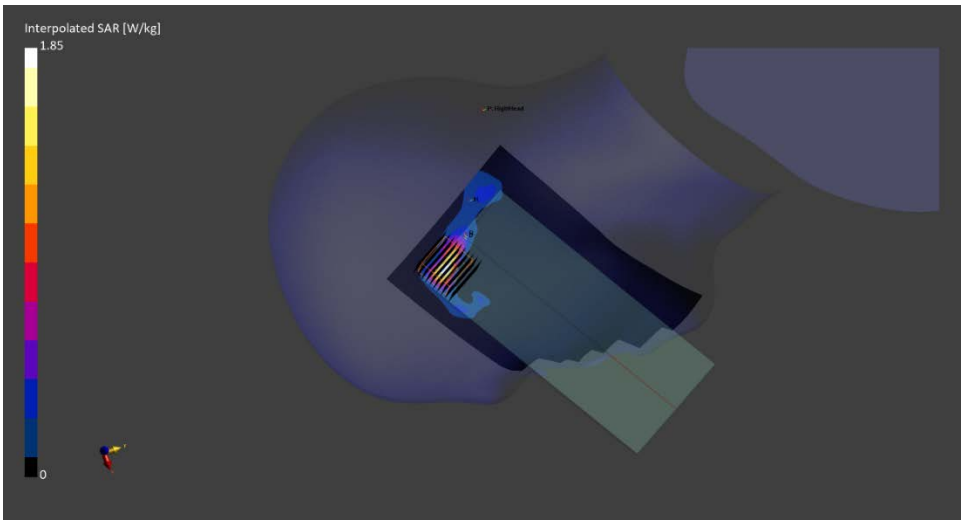
Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6305.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6305.0 MHz; cond = 5.85 S/m; perm = 33.8; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 07/10/2023; Ambient Temp: 23.0°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7718; ConvF:(5.15,5.15,5.15); Calibrated: 2023-04-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1368; Calibrated: 2023-04-14
Phantom: Twin-SAM V5.0; Serial: 1759
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11ax, 80 MHz Bandwidth, UNII-5, MIMO, Ch. 71, Right Head, Cheek, 68.1 Mbps

Area Scan (105.0 x 195.0): Measurement grid: dx=7.5 mm, dy=7.5 mm
Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.0 mm, dy=3.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.11 W/kg; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.223 W/kg; APD(4cm^2) = 1.40 W/m^2
Smallest distance from peaks to all points 3 dB below is 4.9 mm
Ratio of SAR at M2 to SAR at M1 = 64.9 %



ELEMENT

DUT: A3LSMF731JPN; Type: Portable Handset; Serial: 0880M

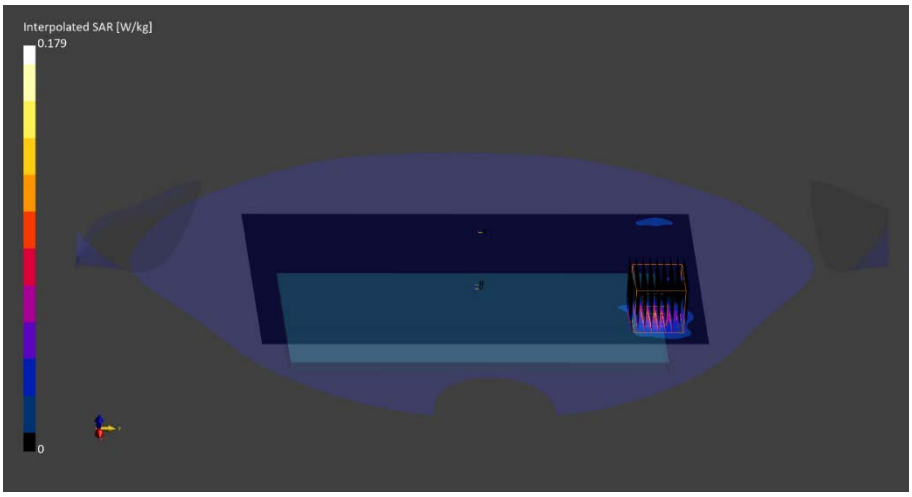
Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 7025.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 7025.0 MHz; cond = 6.67 S/m; perm = 33.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 06/29/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7718; ConvF:(5.15,5.15,5.15); Calibrated: 2023-04-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1368; Calibrated: 2023-04-14
Phantom: Twin-SAM V5.0; Serial: 1759
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11ax, 80 MHz Bandwidth, UNII-8, MIMO, Ch. 215, Body SAR, Back Side, 68.1 Mbps

Area Scan (105.0 x 195.0): Measurement grid: dx=7.5 mm, dy=7.5 mm
Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.0 mm, dy=3.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Reference Value = 0.04 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.179 W/kg
SAR(1 g) = 0.040 W/kg; APD(4cm^2) = 0.321 W/m^2
Smallest distance from peaks to all points 3 dB below is 6.0 mm
Ratio of SAR at M2 to SAR at M1 = 74.2 %



ELEMENT

DUT: A3LSMF731JPN; Type: Portable Handset; Serial: 0880M

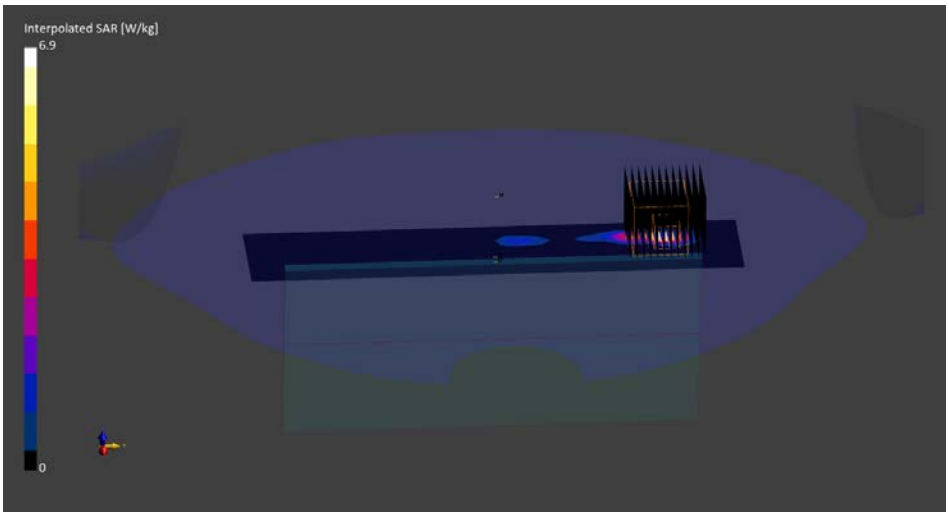
Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 7025.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 7025.0 MHz; cond = 6.67 S/m; perm = 33.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/29/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7718; ConvF:(5.15,5.15,5.15); Calibrated: 2023-04-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1368; Calibrated: 2023-04-14
Phantom: Twin-SAM V5.0; Serial: 1759
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11ax, 80 MHz Bandwidth, UNII-8, MIMO, Ch. 215, Phablet SAR, Left Edge, 68.1 Mbps

Area Scan (40.0 x 195.0): Measurement grid: dx=5.0 mm, dy=7.5 mm
Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=2.7 mm, dy=2.7 mm, dz=1.2 mm; Graded Ratio: 1.2
Reference Value = 1.46 W/kg; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 6.90 W/kg
SAR(10 g) = 0.256 W/kg, APD(4cm^2) = 6.08 W/m^2
Smallest distance from peaks to all points 3 dB below is 3.5 mm
Ratio of SAR at M2 to SAR at M1 = 59.2 %



Date: 2023-06-28

MIMO channel 7

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF731JPN	WE00865M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	2.00	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	5985.0

Hardware/Software Setup

Probe, Calibration Date	DAE, Calibration Date	Software	Software Version
EUmmWV3 - SN9407, 2022-10-17	DAE4ip - SN1638, 2022-10-13	cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 60.0
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]	1.00
pS_n avg [W/m²]	0.830
E_{peak} [V/m]	36.6
Power Drift [dB]	0.00