APPENDIX A: TEST PLOTS

PCTEST

DUT: A3LSMS906E; Type: Portable Handset; Serial: UIO1028M

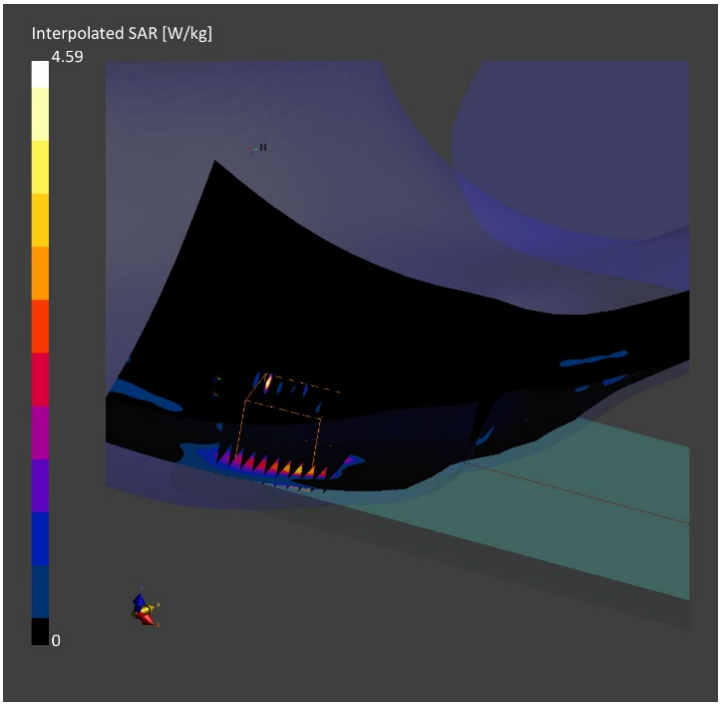
Communication System: UID:10683 - AAC, WLAN; MAIA: Y; Frequency: 6275.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6275.0 MHz; cond = 5.92 S/m; perm = 33.1; density = 1000 kg/m3
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 12/08/2021; Ambient Temp: 20.0^{0}C; Tissue Temp: 19.5^{0}C

Probe: EX3DV4 - SN7659; ConvF:(5.9,5.9,5.9); Calibrated: 2021-06-29
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; Calibrated: 2021-06-21
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.0.0.116

Mode: IEEE 802.11ax, U-NII-5, MIMO, 20 MHz Bandwidth, Right Head, Cheek, Ch. 65, 17.2 Mbps

Area Scan (119.0 x 204.0): Measurement grid: dx=8.5 mm, dy=8.5 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 = 0.00 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 4.59 W/kg
SAR(1 g) = 0.052 W/kg; APD(4 cm^2) = 0.434 W/m^2



PCTEST

DUT: A3LSMS906E; Type: Portable Handset; Serial: UIO1028M

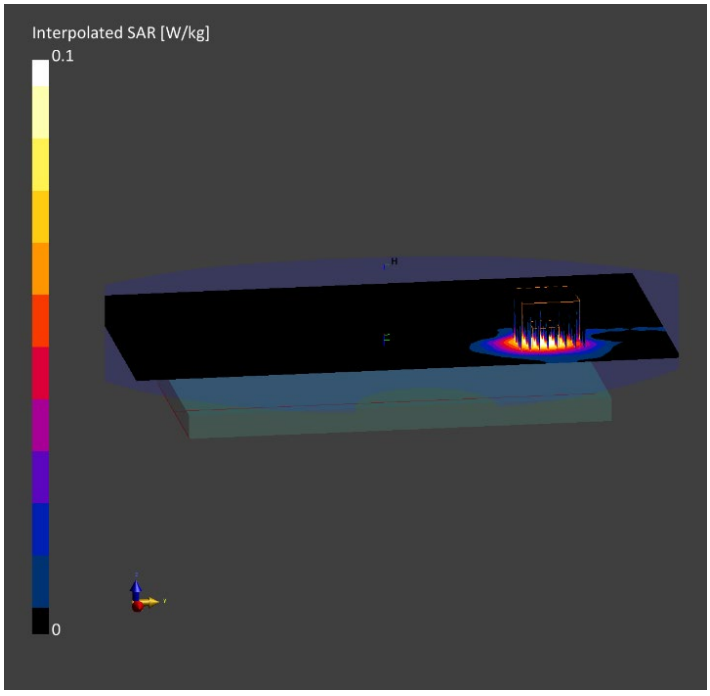
Communication System: UID:10683 - AAC, WLAN; MAIA: Y; Frequency: 6275.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6275.0 MHz; cond = 5.92 S/m; perm = 33.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15.00 mm

Test Date: 12/08/2021; Ambient Temp: 20.0^{0}C; Tissue Temp: 19.5^{0}C

Probe: EX3DV4 - SN7659; ConvF:(5.9,5.9,5.9); Calibrated: 2021-06-29
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; Calibrated: 2021-06-21
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.0.0.116

Mode: IEEE 802.11ax, U-NII-5, MIMO, 20 MHz Bandwidth, Body SAR, Ch. 65, Back Side, 17.2 Mbps

Area Scan (119.0 x 204.0): Measurement grid: dx=8.5 mm, dy=8.5 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 = 0.12 W/kg; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.411 W/kg
SAR(1 g) = 0.083 W/kg; APD(4 cm^2) = 0.666 W/m^2



PCTEST

DUT: A3LSMS906E; Type: Portable Handset; Serial: UIO1028M

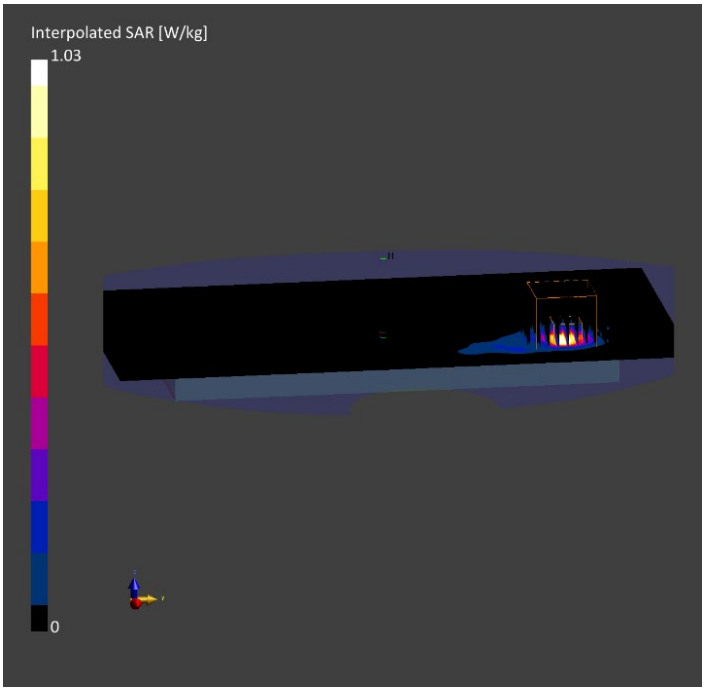
Communication System: UID:10683 - AAC, WLAN; MAIA: Y; Frequency: 6275.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6275.0 MHz; cond = 5.92 S/m; perm = 33.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/08/2021; Ambient Temp: 20.0^{0}C; Tissue Temp: 19.5^{0}C

Probe: EX3DV4 - SN7659; ConvF:(5.9,5.9,5.9); Calibrated: 2021-06-29
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; Calibrated: 2021-06-21
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.0.0.116

Mode: IEEE 802.11ax, U-NII-5, MIMO, 20 MHz Bandwidth, Phablet SAR, Ch. 65, Back Side, 17.2 Mbps

Area Scan (119.0 x 204.0): Measurement grid: dx=8.5 mm, dy=8.5 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 = 1.61 W/kg; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 5.51 W/kg
SAR(10 g) = 0.208 W/kg; APD(4 cm^2) = 4.950 W/m^2



PCTEST

Date: 11/22/2021

MIMO; Channel 65; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMS906E	UIO1028M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	BACK	2.00	65	WLAN, 10683	6275.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9364_F1-55GHz, 2021-06-21	DAE4 Sn1582, 2021-04-07

Software Setup

Software	Software Version
cDASY6 Module mmWave	2.4.2.62

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100 x 100
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS_{tot} avg [W/m²]	4.54
pS_n avg [W/m²]	3.66
E_{peak} [V/m]	58.1
Power Drift [dB]	0.12