

APPENDIX A: TEST PLOTS

PCTEST

DUT: A3LSMS908U; Type: Portable Handset; Serial: UIB0509M

Communication System: UID:10719 - AAC, WLAN; MAIA: Y; Frequency: 6065.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6065.0 MHz; cond = 5.67 S/m; perm = 34.8; density = 1000 kg/m³
Phantom Section: Right Head; Space: 0.00 mm

Test Date: 10/27/2021; Ambient Temp: 21.9°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7570; ConvF:(5.4,5.4,5.4); Calibrated: 2020-12-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn859; Calibrated: 2020-12-07
Phantom: Twin-SAM V8.0 Right; Serial: 1981
Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, Right Head, Cheek,
Ch. 23, 68.1 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

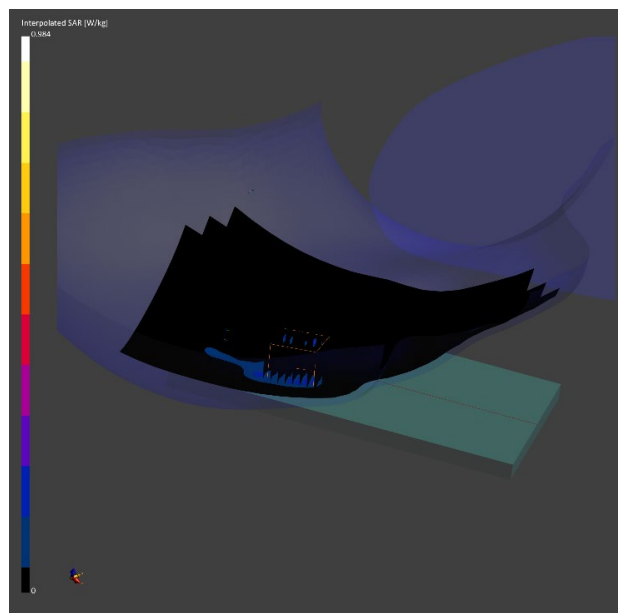
Reference Value = 0.10 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.984 W/kg

SAR(1 g) = 0.199 W/kg; APD(4 cm²) = 1.540 W/m²

Smallest distance from peaks to all points 3 dB below is 4.1 mm

Ratio of SAR at M2 to SAR at M1 = 52.9 %



PCTEST

DUT: A3LSMS908U; Type: Portable Handset; Serial: UIB0509M

Communication System: UID:10719 - AAC, WLAN; MAIA: Y; Frequency: 6305.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6305.0 MHz; cond = 5.97 S/m; perm = 34.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/27/2021; Ambient Temp: 21.9°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7570; ConvF:(5.4,5.4,5.4); Calibrated: 2020-12-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn859; Calibrated: 2020-12-07
Phantom: Twin-SAM V8.0 Right; Serial: 1981
Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, Body SAR,
Ch. 71, Back Side, 68.1 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

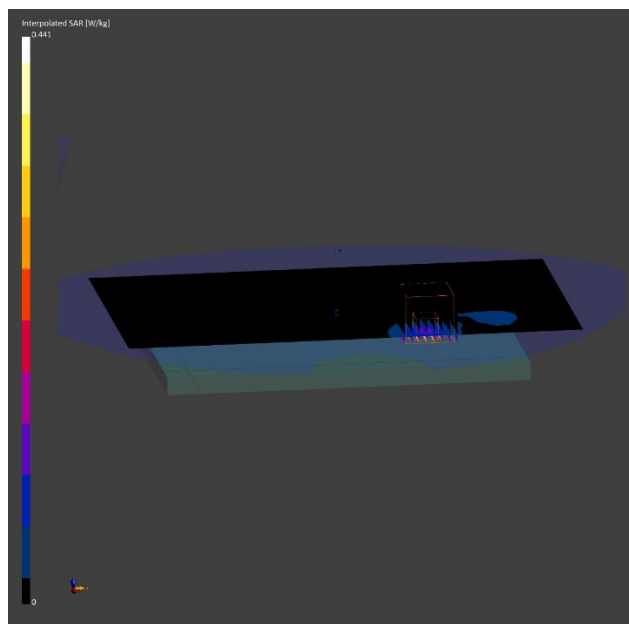
Reference Value = 0.06 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.441 W/kg

SAR(1 g) = 0.100 W/kg; APD(4 cm²) = 0.798 W/m²

Smallest distance from peaks to all points 3 dB below is 8.9 mm

Ratio of SAR at M2 to SAR at M1 = 55.0 %



PCTEST

DUT: A3LSMS908U; Type: Portable Handset; Serial: UIB0509M

Communication System: UID:10719 - AAC, WLAN; MAIA: Y; Frequency: 7025.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 7025.0 MHz; cond = 6.83 S/m; perm = 32.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/27/2021; Ambient Temp: 21.9°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7570; ConvF:(5.4,5.4,5.4); Calibrated: 2020-12-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn859; Calibrated: 2020-12-07
Phantom: Twin-SAM V8.0 Right; Serial: 1981
Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11ax, U-NII-8, MIMO, 80 MHz Bandwidth, Phablet SAR,
Ch. 215, Back Side, 68.1 Mbps**

Area Scan (120.0 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=1.2 mm; Graded
Ratio: 1.2

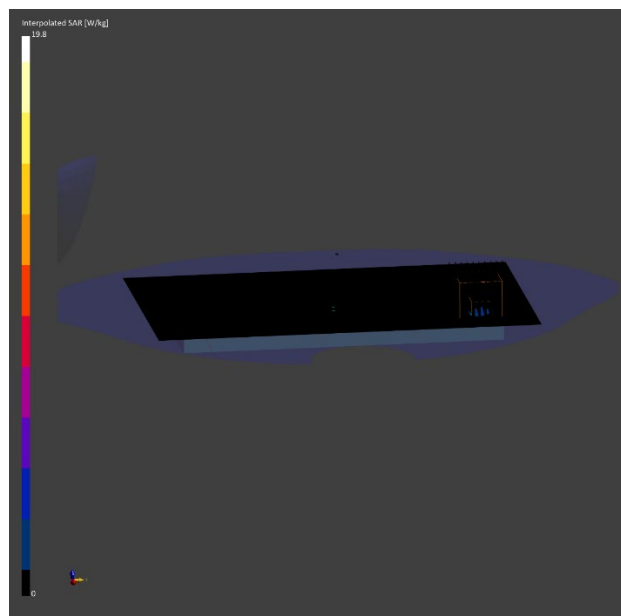
Reference Value = 2.09 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 19.8 W/kg

SAR(10 g) = 0.511 W/kg; APD(4 cm²) = 12.400 W/m²

Smallest distance from peaks to all points 3 dB below is 3.8 mm

Ratio of SAR at M2 to SAR at M1 = 49.5 %



PCTEST

Date: 10/27/2021

MIMO; Channel 23; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMS908U	UIB0506M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	LEFT	2.00	23	WLAN, 10719	6065.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9389, 11/16/2020	DAE4ip SN1638, 11/17/2020

Software Setup

Software	Software Version
cDASY6 Module mmWave	2.4.2.62

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120x120
Grid Steps [lambda]	0.0625 x 0.0625
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	3.99
pS _n avg [W/m ²]	3.53
E _{peak} [V/m]	53.1
Power Drift [dB]	-0.20

