

APPENDIX A: TEST PLOTS

ELEMENT

DUT: A3LSMS911U; Type: Portable Handset; Serial: VIJ0189M

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6785.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6785.0 MHz; cond = 6.52 S/m; perm = 34.3; density = 1000 kg/m³
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/17/2022; Ambient Temp: 23.7°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN3914; ConvF:(5.5,5.5,5.5); Calibrated: 2022-05-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; Calibrated: 2022-05-10
Phantom: Twin-SAM V5.0; Serial: 1759
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: IEEE 802.11ax, 80 MHz Bandwidth, UNII-7, MIMO, Ch. 167, Right Head, Cheek, 68.1 Mbps

Area Scan (102.0 x 187.0): 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

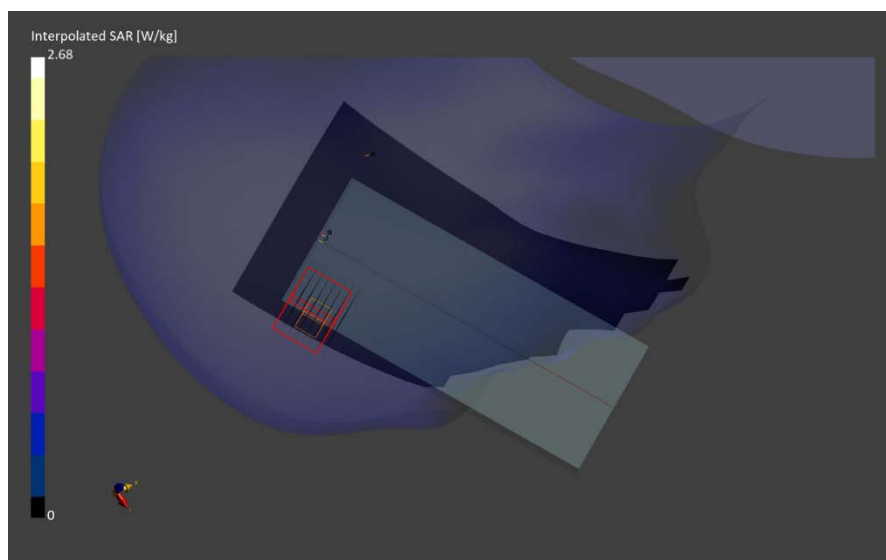
Reference Value = 0.05 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 0.137 W/kg; APD (4cm²) = 0.855 W/m²

Smallest distance from peaks to all points 3 dB below is 4.2 mm

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



ELEMENT

DUT: A3LSMS911U; Type: Portable Handset; Serial: VIJ0189M

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6305.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6305.0 MHz; cond = 5.92 S/m; perm = 35.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/17/2022; Ambient Temp: 23.7°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN3914; ConvF:(5.5,5.5,5.5); Calibrated: 2022-05-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; Calibrated: 2022-05-10
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, Body SAR,
Back Side, 68.1 Mbps**

Area Scan (102.0 x 187.0): 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

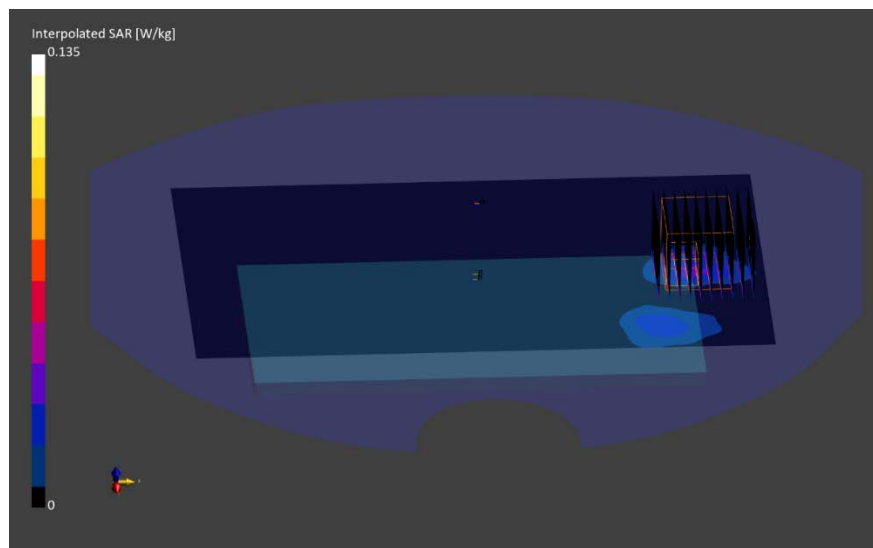
Reference Value = 0.01 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.135 W/kg

SAR(1 g) = 0.024 W/kg; APD (4cm²) = 0.191 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 = 65.4 %



ELEMENT

DUT: A3LSMS911U; Type: Portable Handset; Serial: VIJ0189M

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6785.0 MHz

Medium: 6000 Head; Medium parameters used:

f = 6785.0 MHz; cond = 6.52 S/m; perm = 34.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/17/2022; Ambient Temp: 23.7°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN3914; ConvF:(5.5,5.5,5.5); Calibrated: 2022-05-17

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn728; Calibrated: 2022-05-10

Phantom: Twin-SAM V5.0; Serial: 1759

Measurement SW: DASY Module SAR V16.2.0.1425

IEEE 802.11ax, 80 MHz Bandwidth, UNII-7, MIMO, Ch. 167, Phablet SAR, Left Edge, 68.1 Mbps

Area Scan (40.0 x 187.0): Measurement grid: dx=5.0 mm, dy=8.5 mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=2.6 mm, dy=2.6 mm, dz=1.2 mm; Graded Ratio: 1.2

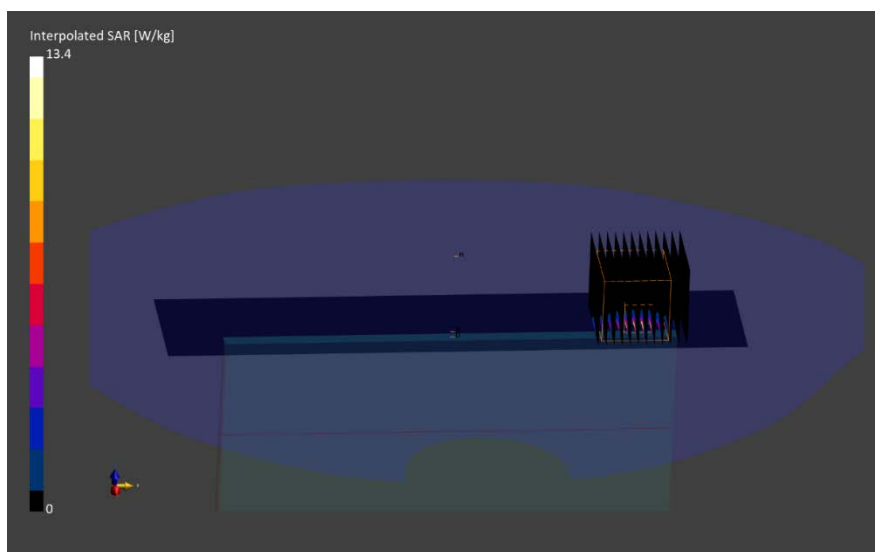
Reference Value = 1.59 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 13.4 W/kg

SAR(10 g) = 0.389 W/kg; APD (4cm²) = 9.33 W/m²

Smallest distance from peaks to all points 3 dB below is 4.0 mm

Ratio of SAR at M2 to SAR at M1 = 48.9 %



Element

Date: 10/12/2022

MIMO; Channel 119; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMS911U	VIJ0189M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	Left	2.00	119	WLAN, 10731	6545.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV4 - SN9622, 02/24/2022	DAE4 SN1676, 06/15/2022

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100 x 100
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
pStot avg [W/m ²]	3.19
pSn avg [W/m ²]	2.66
Epeak [V/m]	60.5
Power Drift [dB]	-0.03

