

**APPENDIX A: TEST PLOTS**

# ELEMENT

**DUT: A3LSMS918JPN; Type: Portable Handset; Serial: 0970M**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 7025.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 7025.0 MHz; cond = 6.91 S/m; perm = 34.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Left Head; Space: 0.00 mm

Test Date: 01/17/2023; Ambient Temp: 22.6°C; Tissue Temp: 21.0°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-8, MIMO, Ch. 215, Left Head,  
Cheek, 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=1.4 mm; Graded  
Ratio: 1.4

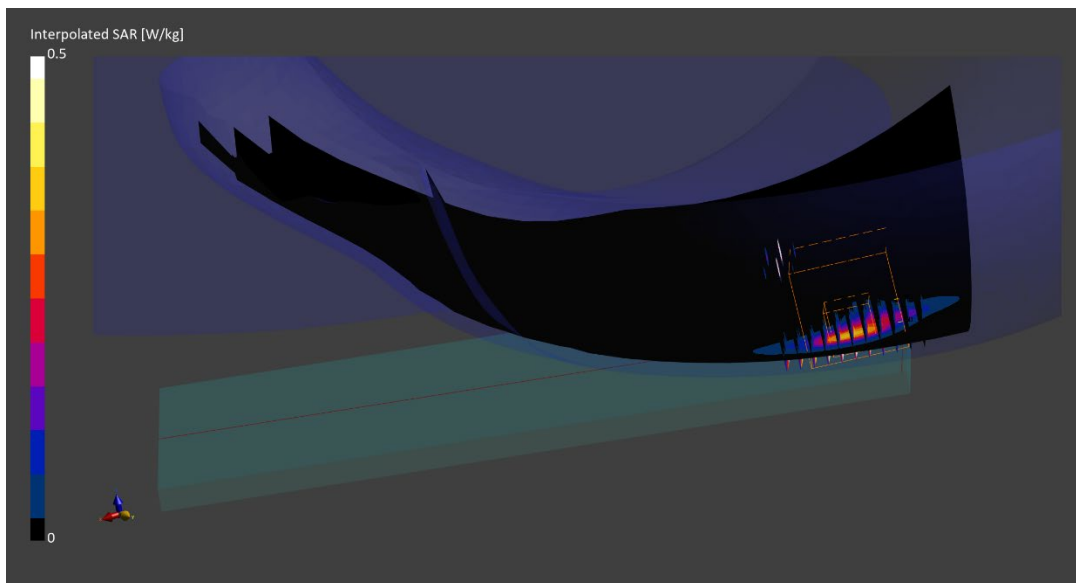
Reference Value = 0.32 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.41 W/kg

**SAR(1 g) = 0.305 W/kg; APD(4 cm<sup>2</sup>) = 1.83 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 49.1 %



# ELEMENT

**DUT: A3LSMS918JPN; Type: Portable Handset; Serial: 0970M**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 5985.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5985.0 MHz; cond = 5.62 S/m; perm = 36.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15.00 mm

Test Date: 01/17/2023; Ambient Temp: 22.6°C; Tissue Temp: 21.0°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. 7, Body SAR,  
Back Side, 68.1 Mbps**

**Area Scan (120.0 x 200.0):** Measurement grid: dx=10.0 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

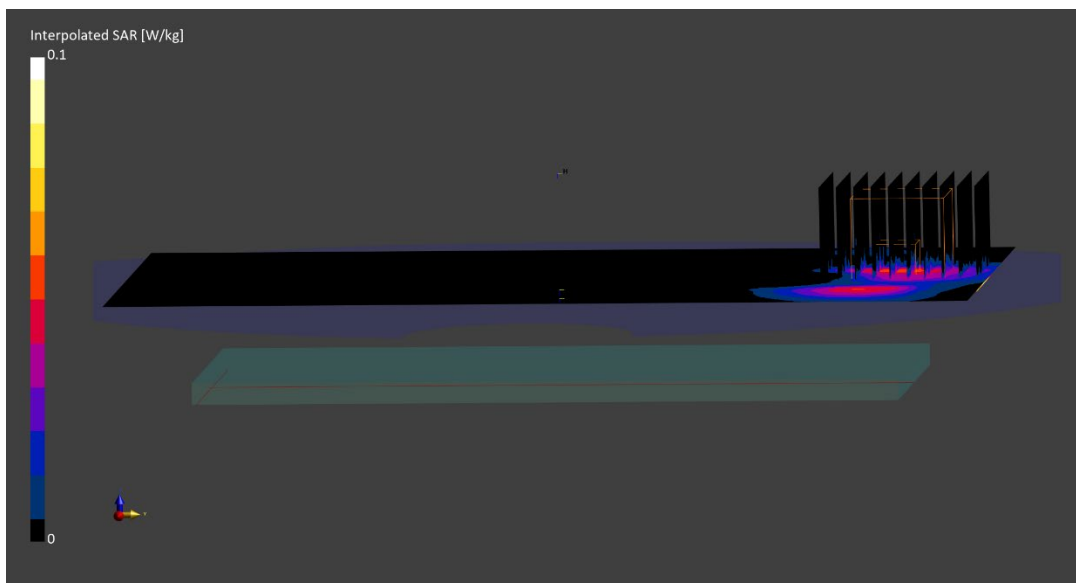
Reference Value = 0.04 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.165 W/kg

**SAR(1 g) = 0.036 W/kg; APD(4 cm<sup>2</sup>) = 0.283 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 8.3 mm

Ratio of SAR at M2 to SAR at M1 = 58.6 %



# ELEMENT

**DUT: A3LSMS918JPN; Type: Portable Handset; Serial: 0970M**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 7025.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 7025.0 MHz; cond = 6.91 S/m; perm = 34.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/17/2023; Ambient Temp: 22.6°C; Tissue Temp: 21.0°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-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=3.0 mm, dy=3.0 mm, dz=1.4 mm; Graded  
Ratio: 1.4

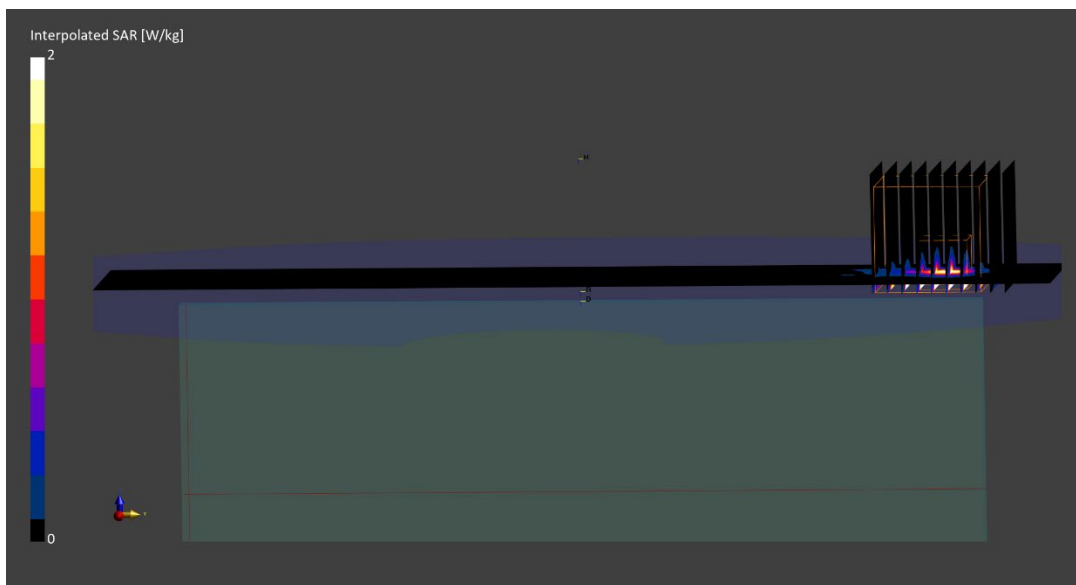
Reference Value = 1.38 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 9.21 W/kg

**SAR(10 g) = 0.217 W/kg; APD(4 cm<sup>2</sup>) = 5.24 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 3.6 mm

Ratio of SAR at M2 to SAR at M1 = 48.7 %



# ELEMENT

**DUT: A3LSMS918JPN; Type: Portable Handset; Serial: 0972M**

Communication System: UID:0, CW; MAIA: Y; Frequency: 7987.2 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 7987.2 MHz; cond = 8.15 S/m; perm = 31.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/19/2023; Ambient Temp: 22.7°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3914; ConvF:(5.4,5.4,5.4); 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: UWB, Antenna 1, Phablet SAR, Left Edge, Ch. 9**

**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=3.0 mm, dy=3.0 mm, dz=1.4 mm; Graded  
Ratio: 1.4

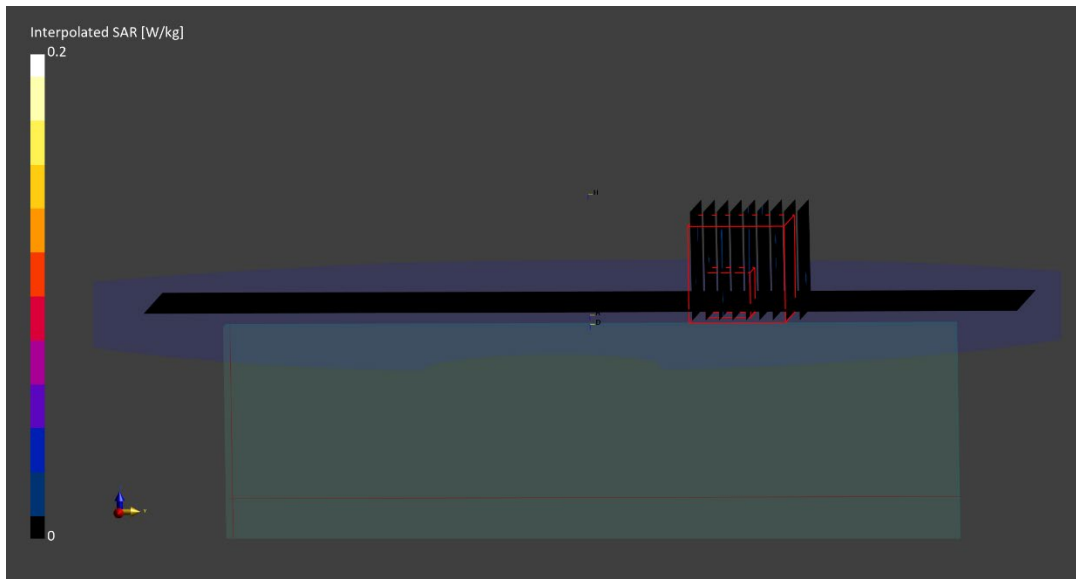
Reference Value = 0.00 W/kg; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.033 W/kg

**SAR(10 g) = 0.002 W/kg; APD(4 cm<sup>2</sup>) = 0.034 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 1.2 mm

Ratio of SAR at M2 to SAR at M1 = 48.3 %



# Element

Date: 12/21/2022

MIMO; Channel 119; 802.11ax

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMS918JPN	0978M	Portable Handset

## Exposure Conditions

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

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV4 - SN9541, 05/19/2022	DAE4ip SN1639, 11/16/2022

## Software Setup

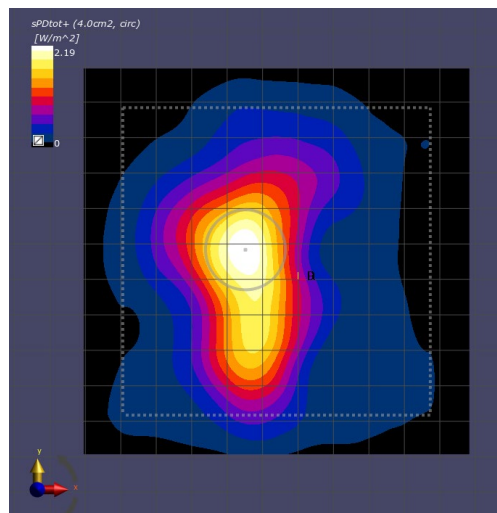
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

## 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 <sup>2</sup> ]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	2.19
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	1.97
E <sub>peak</sub> [V/m]	42.2
Power Drift [dB]	-0.05



# Element

Date: 12/12/2022

Antenna 2; Channel 9; CW

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMS918JPN	0972M	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group	Frequency [MHz]
5G	LEFT	2.00	9	CW	7987.2

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV3 - SN9407, 10/17/2022	DAE4ip SN1638, 10/13/2022

## 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 <sup>2</sup> ]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	0.094
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	0.093
E <sub>peak</sub> [V/m]	7.48
Power Drift [dB]	0.00

