

## APPENDIX A: TEST PLOTS

# ELEMENT

**DUT: A3LSMS916U; Type: Portable Handset; Serial: VJ31557M**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6305.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6305.0 MHz; cond = 5.81 S/m; perm = 33.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: RightHead; Space: 0.00 mm

Test Date: 10/26/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.3°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,  
Right Head, Cheek, 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=2.9 mm, dy=2.9 mm, dz=1.2 mm; Graded  
Ratio: 1.2

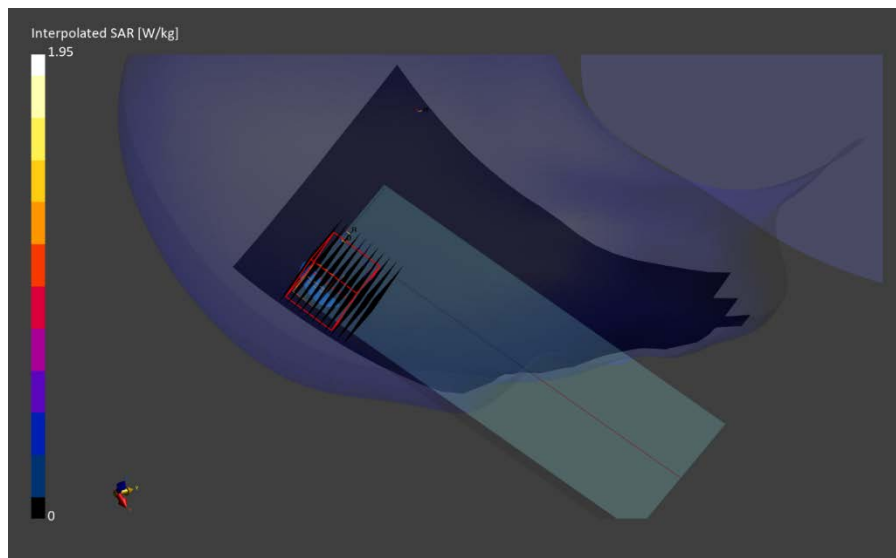
Reference Value = 0.08 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 0.211 W/kg; APD(4cm<sup>2</sup>) = 1.35 W/m<sup>2</sup>**

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

Ratio of SAR at M2 to SAR at M1 = 56.3 %



# ELEMENT

**DUT: A3LSMS916U; Type: Portable Handset; Serial: VJ31557M**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6785.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6785.0 MHz; cond = 6.39 S/m; perm = 32.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15.00 mm

Test Date: 10/26/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.3°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,  
Body SAR, 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

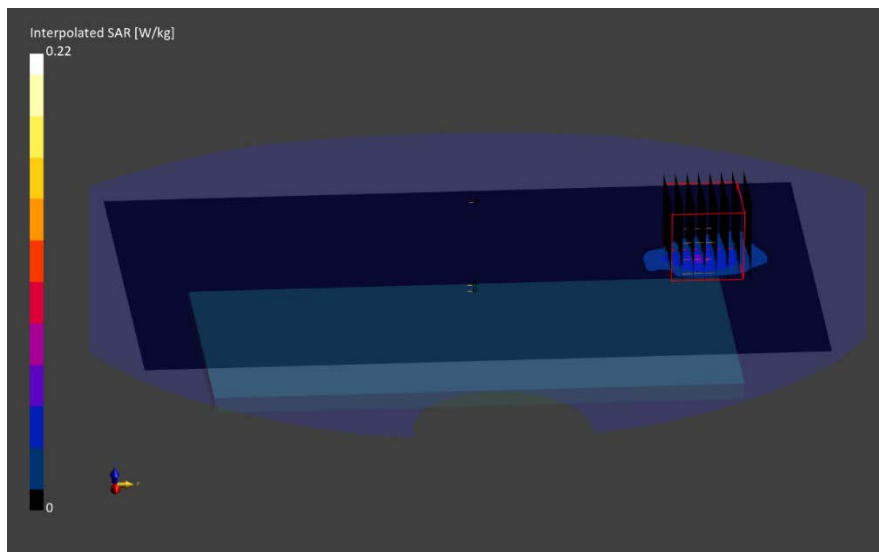
Reference Value = 0.03 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.220 W/kg

**SAR(1 g) = 0.045 W/kg; APD(4cm<sup>2</sup>) = 0.360 W/m<sup>2</sup>**

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

Ratio of SAR at M2 to SAR at M1 = 52.7 %



# ELEMENT

**DUT: A3LSMS916U; Type: Portable Handset; Serial: VJ31557M**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6305.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6305.0 MHz; cond = 5.81 S/m; perm = 33.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/26/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.3°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,  
Phablet SAR, Left Edge, 68.1 Mbps**

**Area Scan (40.0 x 204.0):** 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

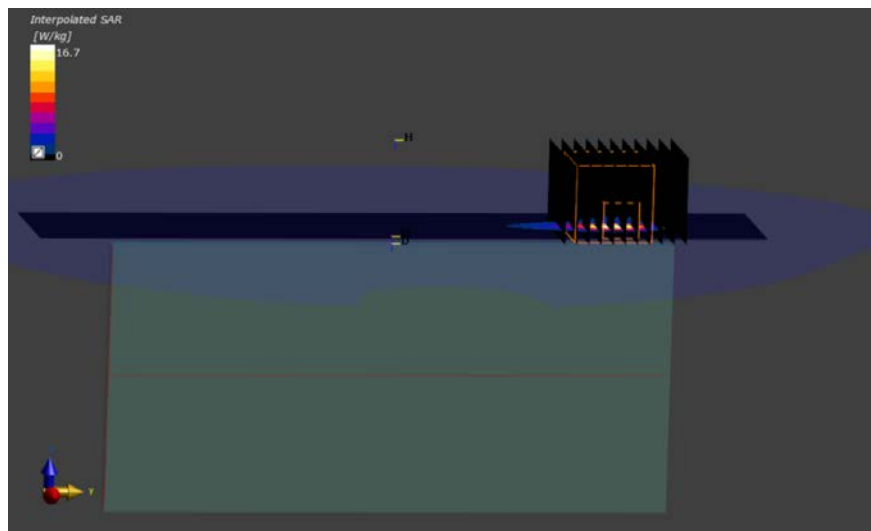
Reference Value = 2.55 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 16.4 W/kg

**SAR(10 g) = 0.522 W/kg; APD(4cm<sup>2</sup>) = 12.7 W/m<sup>2</sup>**

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

Ratio of SAR at M2 to SAR at M1 = 49.2 %



# ELEMENT

**DUT: A3LSMS916U; Type: Portable Handset; Serial: VIJ2657M**

Communication System: UID:0, CW; MAIA: Y; Frequency: 7987.2 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 7987.2 MHz; cond = 7.79 S/m; perm = 31.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/19/2022; Ambient Temp: 23.5°C; Tissue Temp: 22.1°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, Back Side, Ch. 9**

**Area Scan (105.0 x 195.0):** Measurement grid: dx=7.5 mm, dy=7.5 mm

**Zoom Scan (24.0 x 24.0 x 22.0):** Measurement grid: dx=3.0 mm, dy=3.0 mm, dz=1.4 mm; Graded  
Ratio: 1.4

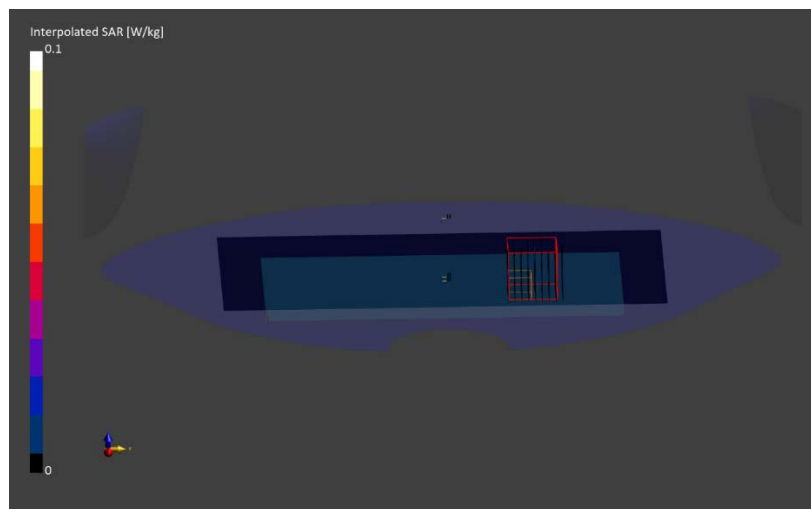
Reference Value = -0.00 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.020 W/kg

**SAR(10 g) = 0.002 W/kg; APD(4cm<sup>2</sup>) = 0.045 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 = 86.5 %



# Element

Date: 10/05/2022

MIMO; Channel 119; 802.11ax

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMS916U	VJ2606M	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 - SN9541, 05/19/2022	DAE4ip SN1639, 01/21/2022

## Software Setup

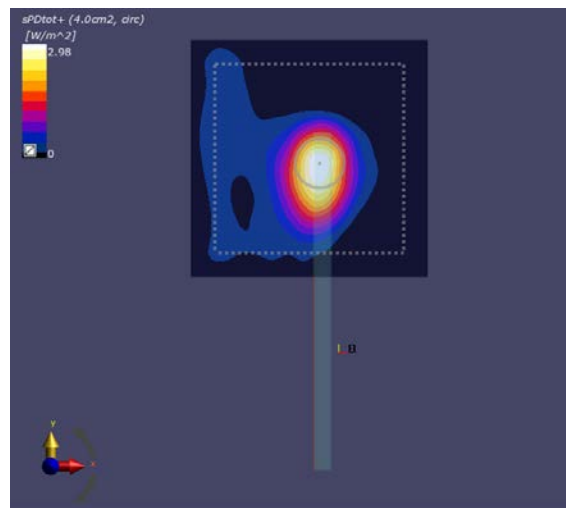
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

## Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100x100
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> ]	2.98
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	1.65
E <sub>peak</sub> [V/m]	59.9
Power Drift [dB]	0.15



# Element

Date: 10/11/2022

Antenna 1; Channel 9; CW

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMS916U	VJ2657M	Portable Handset

## Exposure Conditions

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

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV4 - SN9541, 05/19/2022	DAE4ip SN1639, 01/21/2022

## 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> ]	0.205
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	0.189
E <sub>peak</sub> [V/m]	25.7
Power Drift [dB]	0.10

