

## APPENDIX A: TEST PLOTS

# PCTEST

**DUT: A3LSMF926U; Type: Portable Handset; S/N: 2007M**

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6675.0 MHz; cond = 6.35 S/m; perm = 33.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Right Head; Space: 0.00 mm

Test Date: 04/14/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.0°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: cDASY6 Module SAR V6.14.0.959

**Mode: IEEE 802.11ax, U-NII-7, MIMO, 20 MHz Bandwidth, Right Head, Tilt,  
Ch. 145, 16.3 Mbps**

**Area Scan (102.0 x 204.0):** Measurement grid: dx=8.5mm, dy=8.5mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=3.4mm, dy=3.4mm, dz=1.2mm; Graded  
Ratio: 1.2

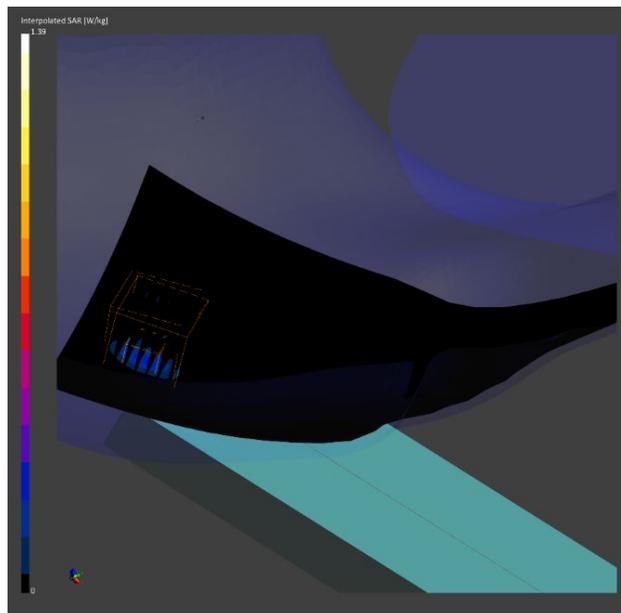
Reference Value = 0.35 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.231 W/kg; APD(4 cm<sup>2</sup>) = 1.310 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below = 4.4 mm

Ratio of SAR at M2 to SAR at M1 = 49.7 %



# PCTEST

**DUT: A3LSMF926U; Type: Portable Handset; S/N: 2007M**

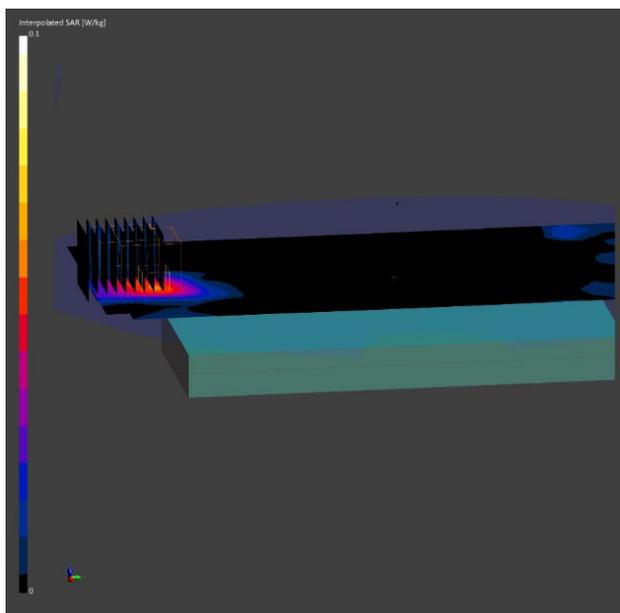
Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6675.0 MHz; cond = 6.35 S/m; perm = 33.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15.00 mm

Test Date: 04/14/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.0°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: cDASY6 Module SAR V6.14.0.959

**Mode: IEEE 802.11ax, U-NII-7, MIMO, 20 MHz Bandwidth, Body SAR, Ch.  
145, Front Side, Peak Number 2, 16.3 Mbps**

**Area Scan (102.0 x 221.0):** Measurement grid: dx=8.5mm, dy=8.5mm  
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=3.4mm, dy=3.4mm, dz=1.4mm; Graded  
Ratio: 1.4  
Reference Value = 0 V/m; Power Drift = 0 dB  
Peak SAR (extrapolated) = 0.029 W/kg  
**SAR(1 g) = 0.007 W/kg; APD(4cm<sup>2</sup>) = 0.074 W/m<sup>2</sup>**  
Smallest distance from peaks to all points 3 dB below = > 11 mm  
Ratio of SAR at M2 to SAR at M1 = 69.6%



# PCTEST

**DUT: A3LSMF926U; Type: Portable Handset; S/N: 2007M**

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6675.0 MHz; cond = 6.40 S/m; perm = 31.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/12/2021; Ambient Temp: 22.4°C; Tissue Temp: 20.7°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: cDASY6 Module SAR V6.14.0.959

**Mode: IEEE 802.11ax, U-NII-7, MIMO, 20 MHz Bandwidth, Phablet SAR, Ch. 145, Top Edge, 16.3 Mbps**

**Area Scan (50.0 x 102.0):** Measurement grid: dx=5.0mm, dy=8.5mm

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

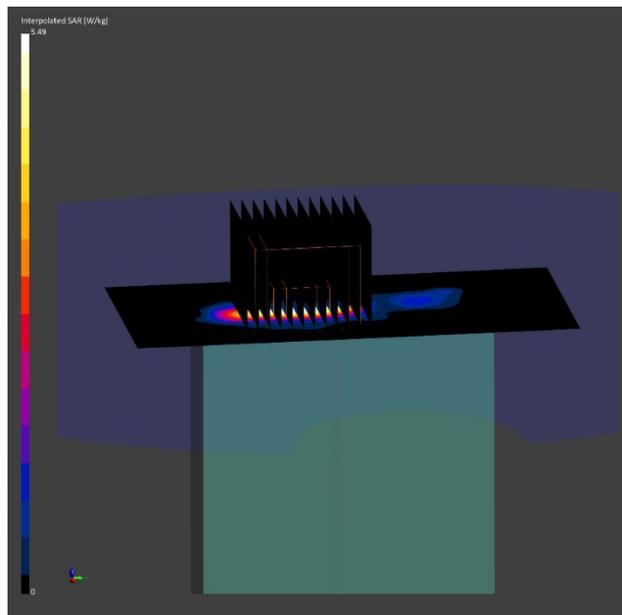
Reference Value = 1.01 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 5.49 W/kg

**SAR(10 g) = 0.160 W/kg; APD(4cm<sup>2</sup>) = 4.000 W/m<sup>2</sup>**

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

Ratio of SAR at M2 to SAR at M1 = 48.8 %



# PCTEST

**DUT: A3LSMF926U; Type: Portable Handset; S/N: 2007M**

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6675.0 MHz; cond = 6.35 S/m; perm = 33.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/14/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.0°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: cDASY6 Module SAR V6.14.0.959

**Mode: IEEE 802.11ax, U-NII-7, MIMO, 20 MHz Bandwidth, UMPC Body SAR,  
Ch. 145, Front Side, Peak Number 2, 16.3 Mbps**

**Area Scan (170.0 x 204.0):** Measurement grid: dx=8.5mm, dy=8.5mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=3.4mm, dy=3.4mm, dz=1.4mm; Graded  
Ratio: 1.4

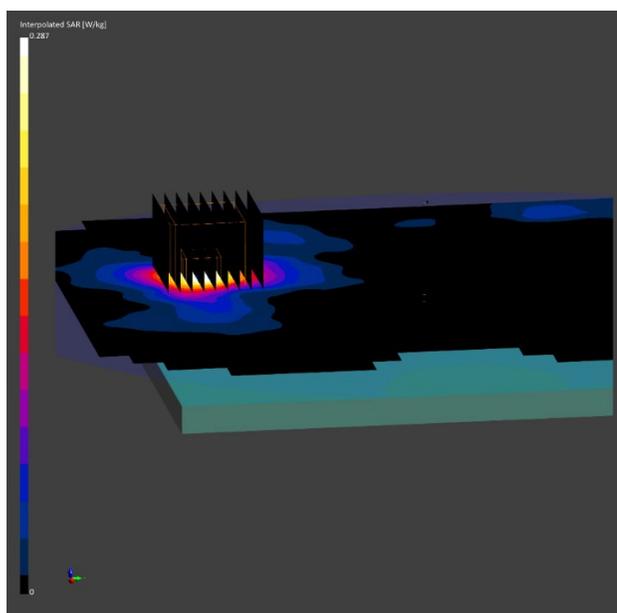
Reference Value = 0.02 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.108 W/kg

**SAR(1 g) = 0.019 W/kg; APD(4cm<sup>2</sup>) = 0.146 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below = > 11 mm

Ratio of SAR at M2 to SAR at M1 =56.7 %



# PCTEST

**DUT: A3LSMF926U; Type: Portable Handset; S/N: 2007M**

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6675.0 MHz; cond = 6.40 S/m; perm = 31.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/12/2021; Ambient Temp: 22.4°C; Tissue Temp: 20.7°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: cDASY6 Module SAR V6.14.0.959

**Mode: IEEE 802.11ax, U-NII-7, MIMO, 20 MHz Bandwidth, UMPC Extremity  
SAR, Ch. 145, Top Edge, 16.3 Mbps**

**Area Scan (40.0 x 170.0):** Measurement grid: dx=5.0mm, dy=8.5mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=2.4mm, dy=2.4mm, dz=1.2mm; Graded  
Ratio: 1.2

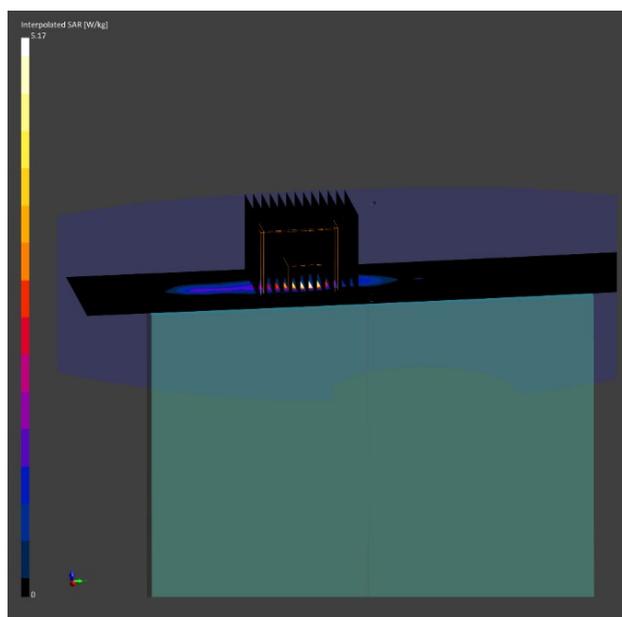
Reference Value = 0.90 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 5.17 W/kg

**SAR(10 g) = 0.137 W/kg; APD(4cm<sup>2</sup>) = 3.430 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below = 2.9 mm

Ratio of SAR at M2 to SAR at M1 = 52.4 %



# PCTEST

Date: 04/28/2021

MIMO; Channel 145; 802.11ax; Open; Peak Number 2

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926U	UCT2038M	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	Front	2.00	145	WLAN, 10683	6675.00

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV3 - SN9389, 11/16/2020	DAE4 SN728, 05/20/2020

## Software Setup

Software	Software Version
cDASY6 Module mmWave	2.2.0.76

## Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100x100
Grid Steps [lambda]	0.05 x 0.05
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> ]	2.32
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	2.13
E <sub>peak</sub> [V/m]	45.8
Power Drift [dB]	0.10

