

## APPENDIX A: TEST PLOTS

# PCTEST

**DUT: A3LSMF926JPN; Type: Portable Handset; Serial: UFF1371M**

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6675.0 MHz; cond = 6.25 S/m; perm = 33.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Right Head; Space: 0.00 mm

Test Date: 07/19/2021; Ambient Temp: 21.50°C; Tissue Temp: 21.80°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 V16.0.0.116

**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=8.5 mm, dy=8.5 mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=3.3 mm, dy=3.3 mm, dz=1.2 mm; Graded  
Ratio: 1.2

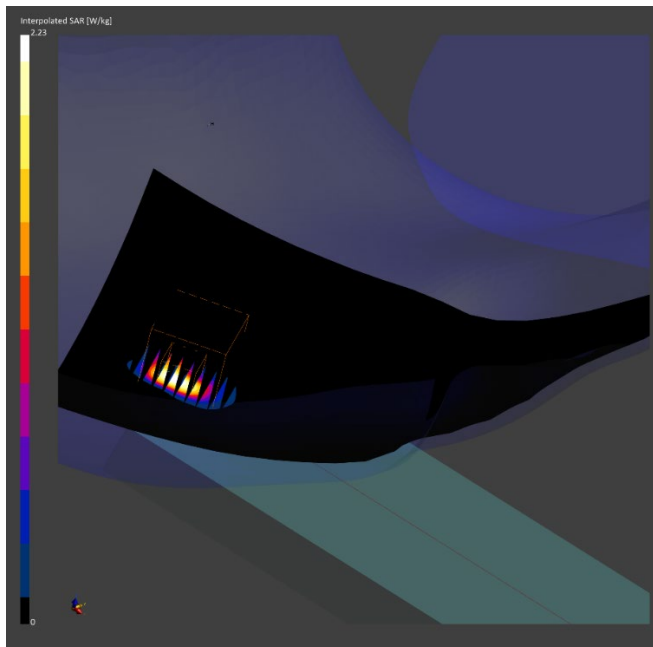
Reference Value = 0.157 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.23 W/kg

**SAR(1 g) = 0.316 W/kg; APD(4 cm<sup>2</sup>)= 1.570 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 = 53.4%



# PCTEST

**DUT: A3LSMF926JPN; Type: Portable Handset; Serial: UFF1371M**

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6675.0 MHz; cond = 6.25 S/m; perm = 33.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15.00 mm

Test Date: 07/19/2021; Ambient Temp: 21.50°C; Tissue Temp: 21.80°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 V16.0.0.116

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

**Area Scan (102.0 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

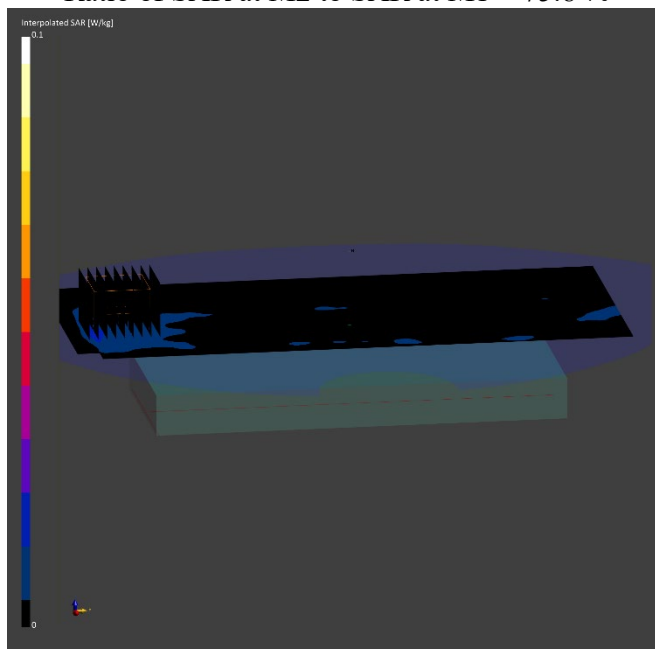
Reference Value = -0.00 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.029 W/kg

**SAR(1 g) = 0.004 W/kg; APD(4 cm<sup>2</sup>) = 0.036 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is > 11.0 mm

Ratio of SAR at M2 to SAR at M1 = 75.8 %



# PCTEST

**DUT: A3LSMF926JPN; Type: Portable Handset; Serial: UFF1371M**

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6475.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6475.0 MHz; cond = 5.99 S/m; perm = 34.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/19/2021; Ambient Temp: 21.50°C; Tissue Temp: 21.80°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 V16.0.0.116

**Mode: IEEE 802.11ax, U-NII-6, MIMO, 20 MHz Bandwidth, Phablet SAR, Ch.  
105, Front Side, Peak Number 2, 16.3 Mbps**

**Area Scan (102.0 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

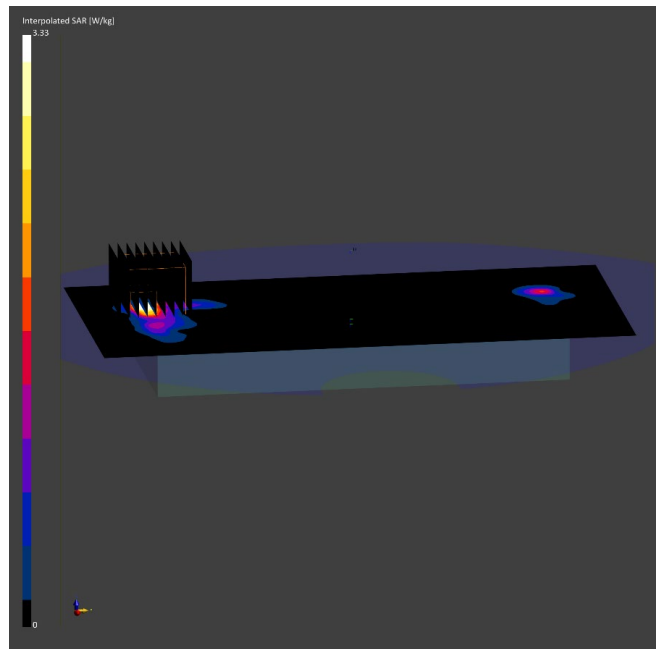
Reference Value = 0.26 W/kg; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.33 W/kg

**SAR(10 g) = 0.148 W/kg; APD(4 cm<sup>2</sup>) = 3.420 W/m<sup>2</sup>**

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

Ratio of SAR at M2 to SAR at M1 = 46.0 %



# PCTEST

**DUT: A3LSMF926JPN; Type: Portable Handset; Serial: UFF1371M**

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6675.0 MHz; cond = 6.25 S/m; perm = 33.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10.00 mm

Test Date: 07/19/2021; Ambient Temp: 21.50°C; Tissue Temp: 21.80°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 V16.0.0.116

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

**Area Scan (48.0 x 170.0):** Measurement grid: dx=8.0 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

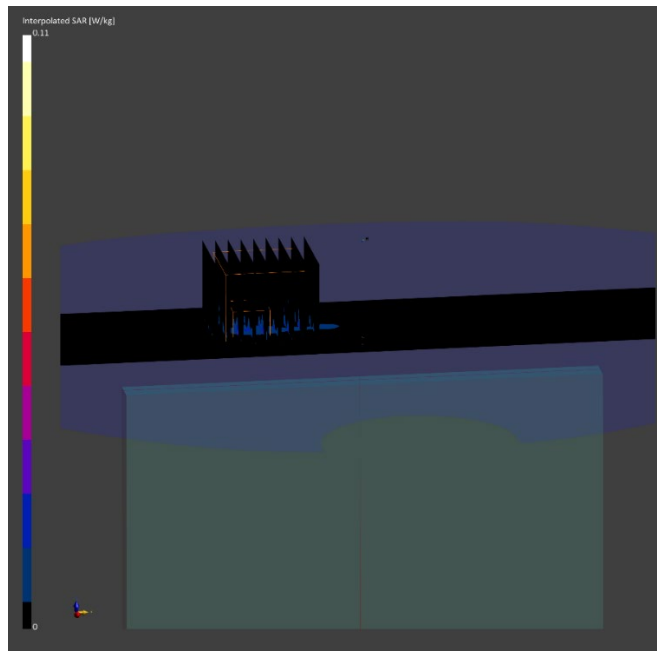
Reference Value = -0.00 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.110 W/kg

**SAR(1 g) = 0.020 W/kg; APD(4 cm<sup>2</sup>)= 0.141 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is > 11.0 mm

Ratio of SAR at M2 to SAR at M1 = 58.1 %



# PCTEST

**DUT: A3LSMF926JPN; Type: Portable Handset; Serial: UFF1371M**

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6675.0 MHz; cond = 6.25 S/m; perm = 33.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/19/2021; Ambient Temp: 21.50°C; Tissue Temp: 21.80°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 V16.0.0.116

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

**Area Scan (48.0 x 170.0):** Measurement grid: dx=8.0 mm, dy=8.5 mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=2.7 mm, dy=2.7 mm, dz=1.2 mm; Graded Ratio: 1.2

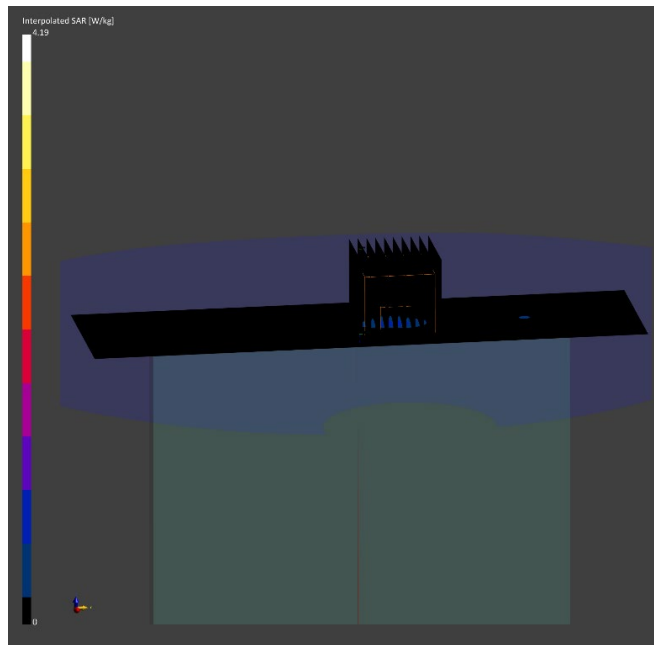
Reference Value = 0.44 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 4.19 W/kg

**SAR(10 g) = 0.128 W/kg; APD(4 cm<sup>2</sup>)= 3.070 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 3.2 mm

Ratio of SAR at M2 to SAR at M1 = 50.9%



# PCTEST

Date: 07/19/2021

MIMO; Channel 145; 802.11ax, Closed

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926JPN	UFF1377M	Portable Handset

## Exposure Conditions

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

## Hardware Setup

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

## Software Setup

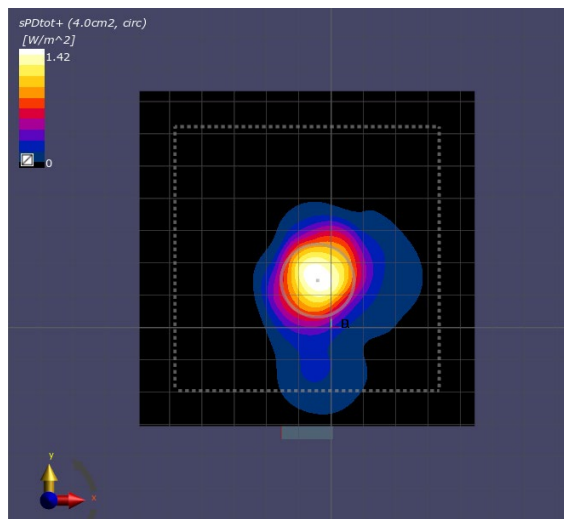
Software	Software Version
cDASY6 Module mmWave	2.4.2.62

## Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100x100
Grid Steps [lambda]	0.0625 x 0.0625
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> ]	1.42
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	0.841
E <sub>peak</sub> [V/m]	53.6
Power Drift [dB]	0.18



# PCTEST

Date: 07/19/2021

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

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926JPN	UFF1380M	Portable Handset

## Exposure Conditions

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

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9523, 01/11/2021	DAE4ip SN1639, 11/17/2020

## Software Setup

Software	Software Version
cDASY6 Module mmWave	2.4.2.62

## Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	130x130
Grid Steps [lambda]	0.0625 x 0.0625
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> ]	1.45
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	1.07
E <sub>peak</sub> [V/m]	44.7
Power Drift [dB]	0.09

