

APPENDIX A: TEST PLOTS

PCTEST

DUT: A3LSMF926B; Type: Portable Handset; S/N: UD70537M

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6995.0 MHz

Medium: 6000 Head; Medium parameters used:

$f = 6995.0$ MHz; $\text{cond} = 6.79$ S/m; $\text{perm} = 33.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Right Head; Space: 0.00 mm

Test Date: 05/31/2021; Ambient Temp: 21.5°C; Tissue Temp: 20.8°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-8, MIMO, 20 MHz Bandwidth, Right Head, Tilt,
Ch. 209, 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

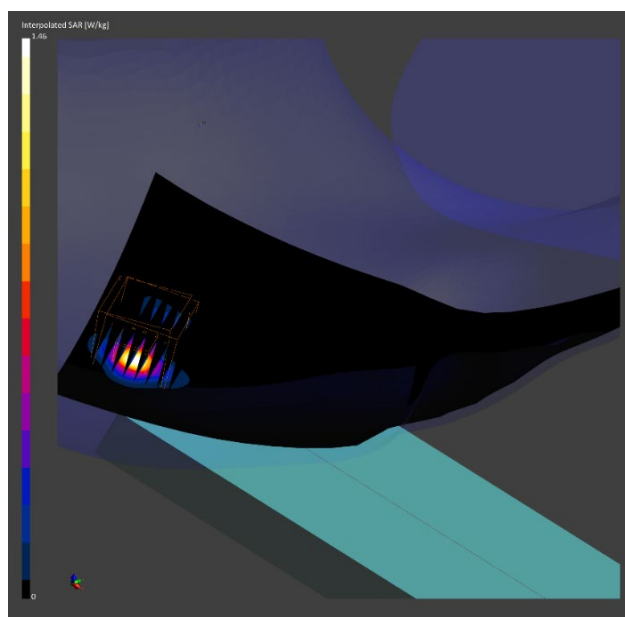
Reference Value = 0.31 W/kg; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.46 W/kg

SAR(1 g) = 0.235 W/kg; APD(4 cm²) = 1.370 W/m²

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 48.0 %



PCTEST

DUT: A3LSMF926B; Type: Portable Handset; S/N: UD70537M

Communication System: UID: 10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz
Medium: 6000 Head; Medium parameters used:
 $f = 6675.0$ MHz; $\text{cond} = 6.59$ S/m; $\text{perm} = 33.9$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 15.00 mm

Test Date: 05/31/2021; Ambient Temp: 21.5°C; Tissue Temp: 20.8°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, Back Side, 16.3 Mbps**

Area Scan (102.0 x 204.0): Measurement grid: $\text{dx}=8.5\text{mm}$, $\text{dy}=8.5\text{mm}$

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: $\text{dx}=3.4\text{mm}$, $\text{dy}=3.4\text{mm}$, $\text{dz}=1.4\text{mm}$; Graded
Ratio: 1.4

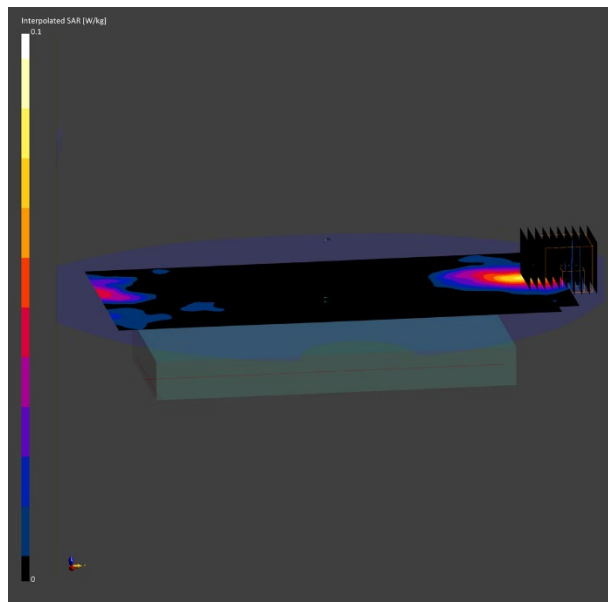
Reference Value = 0.01 W/kg; Power Drift = 0 dB

Peak SAR (extrapolated) = 0.029 W/kg

SAR(1 g) = 0.007 W/kg; APD(4 cm²) = 0.063 W/m²

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

Ratio of SAR at M2 to SAR at M1 = 71.3 %



PCTEST

DUT: A3LSMF926B; Type: Portable Handset; S/N: UD70537M

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6675.0 MHz; cond = 6.37 S/m; perm = 31.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/28/2021; Ambient Temp: 23.6°C; Tissue Temp: 21.0°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, Bottom Edge, 16.3 Mbps**

Area Scan (51.0 x 102.0): Measurement grid: dx=8.5mm, dy=8.5mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.1mm, dy=3.1mm, dz=1.2mm; Graded
Ratio: 1.2

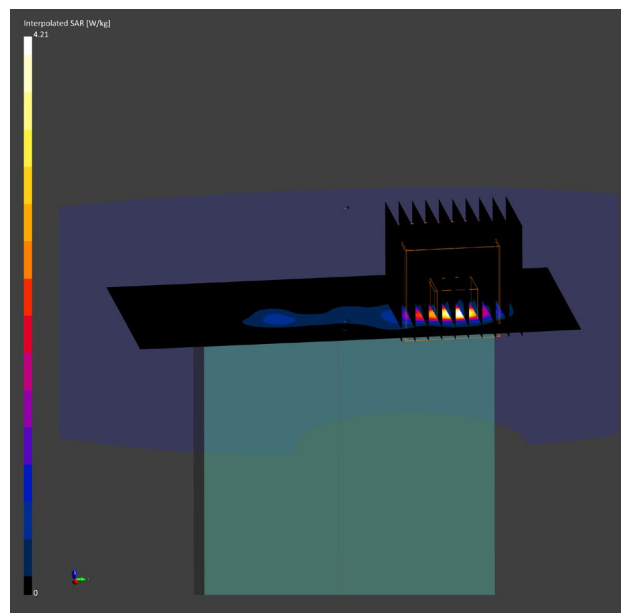
Reference Value = 1.08 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 4.21 W/kg

SAR(10 g) = 0.145 W/kg; APD(4 cm²) = 3.630 W/m²

Smallest distance from peaks to all points 3 dB below = 3.7 mm

Ratio of SAR at M2 to SAR at M1 = 57.1 %



PCTEST

DUT: A3LSMF926B; Type: Portable Handset; S/N: UD70537M

Communication System: UID: 10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6675.0 MHz; cond = 6.37 S/m; perm = 31.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 10.00 mm

Test Date: 05/28/2021; Ambient Temp: 23.6°C; Tissue Temp: 21.0°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 1, 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

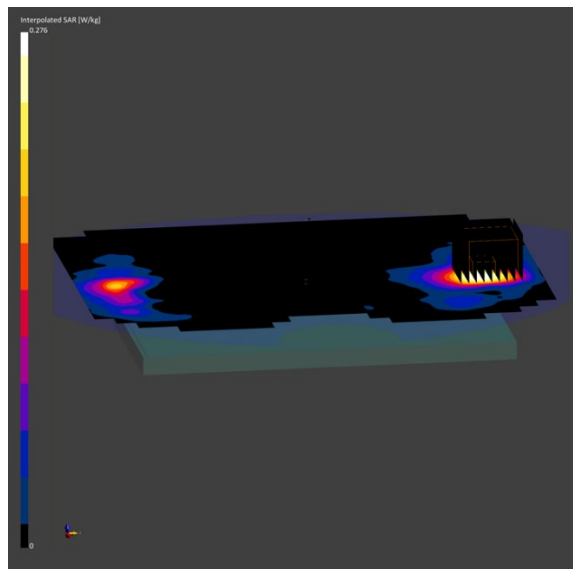
Reference Value = 0.03 W/kg; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.107 W/kg

SAR(1 g) = 0.022 W/kg; APD(4 cm²) = 0.207 W/m²

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

Ratio of SAR at M2 to SAR at M1 = 69.6 %



PCTEST

DUT: A3LSMF926B; Type: Portable Handset; S/N: UD70537M

Communication System: UID:10683-AAC, WLAN; MAIA: Y; Frequency: 6675.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6675.0 MHz; cond = 6.37 S/m; perm = 31.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/28/2021; Ambient Temp: 23.6°C; Tissue Temp: 21.0°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 Extremity
SAR, Ch. 145, Bottom 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=2.7mm, dy=2.7mm, dz=1.2mm; Graded
Ratio: 1.2

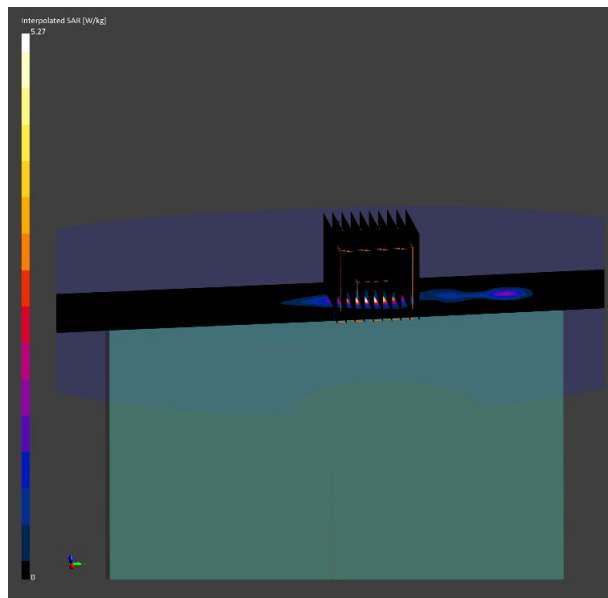
Reference Value = 1.23 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 5.27 W/kg

SAR(10 g) = 0.161 W/kg; APD(4 cm²) = 4.010 W/m²

Smallest distance from peaks to all points 3 dB below = 3.4 mm

Ratio of SAR at M2 to SAR at M1 = 50.6 %



PCTEST

Date: 05/28/2021

MIMO; Channel 65; 802.11ax; Closed; Peak Number 2

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926B	UD70543M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	FRONT	2.00	65	WLAN, 10683	6275.00

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9523, 01/11/2021	DAE4 SN1368, 03/10/2021

Software Setup

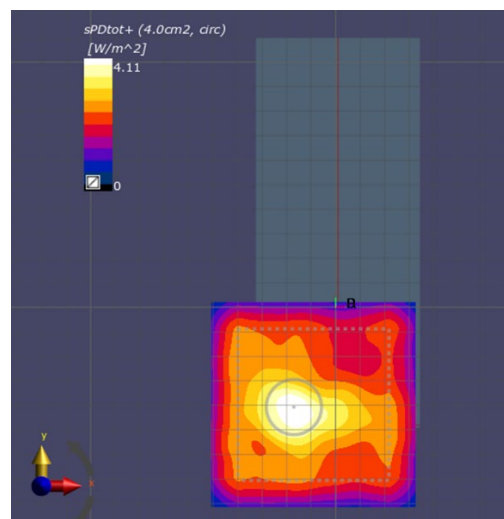
Software	Software Version
cDASY6 Module mmWave	2.2.0.76

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	80x80
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	4.11
pS _n avg [W/m ²]	3.91
E _{peak} [V/m]	59.3
Power Drift [dB]	-0.11



PCTEST

Date: 05/26/2021

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

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF926B	UD70537M	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
EUmmWV3 - SN9389, 11/16/2020	DAE4 SN1582, 04/07/2021

Software Setup

Software	Software Version
cDASY6 Module mmWave	2.2.0.76

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120 x 120
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	1.050
pS _n avg [W/m ²]	0.955
E _{peak} [V/m]	35.4
Power Drift [dB]	-0.12

