

APPENDIX A: TEST PLOTS

ELEMENT

DUT: A3LSMF936B; Type: Portable Handset; Serial: 0439M

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6065.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6065.0 MHz; cond = 5.76 S/m; perm = 34.9; density = 1000 kg/m³
Phantom Section: Right Head; Space: 0.00 mm

Test Date: 06/13/2022; Ambient Temp: 21.7°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7551; ConvF:(5.54,5.54,5.54); Calibrated: 2021-10-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; Calibrated: 2021-09-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.0.2.137

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, Right Head, Cheek,
Ch. 23, 68.1 Mbps**

Area Scan (102.0 x 187.0): 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=1.2 mm; Graded
Ratio: 1.2

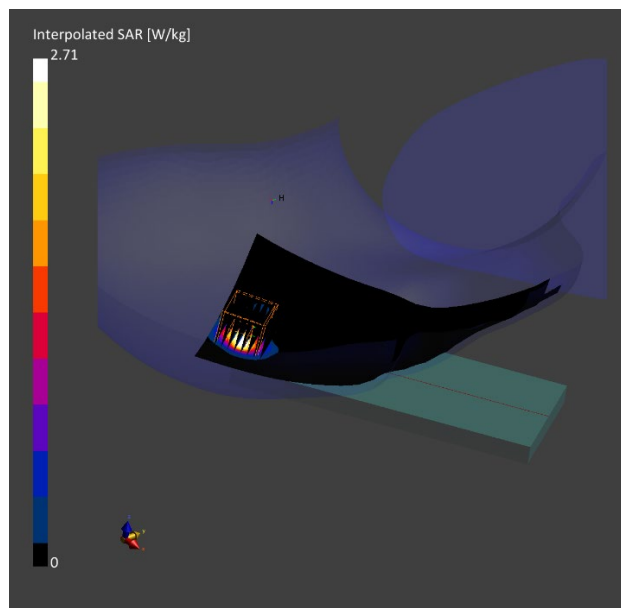
Reference Value = 0.31 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.71 W/kg

SAR(1 g) = 0.455 W/kg; APD(4 cm²) = 2.59 W/m²

Smallest distance from peaks to all points 3 dB below is 3.9 mm

Ratio of SAR at M2 to SAR at M1 = 56.6 %



ELEMENT

DUT: A3LSMF936B; Type: Portable Handset; Serial: 0439M

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6065.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6065.0 MHz; cond = 5.76 S/m; perm = 34.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 15.00 mm

Test Date: 06/13/2022; Ambient Temp: 21.7°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7551; ConvF:(5.54,5.54,5.54); Calibrated: 2021-10-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; Calibrated: 2021-09-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.0.2.137

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, Body SAR, Ch.
23, Back Side, Peak Number 1, 68.1 Mbps**

Area Scan (102.0 x 187.0): 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

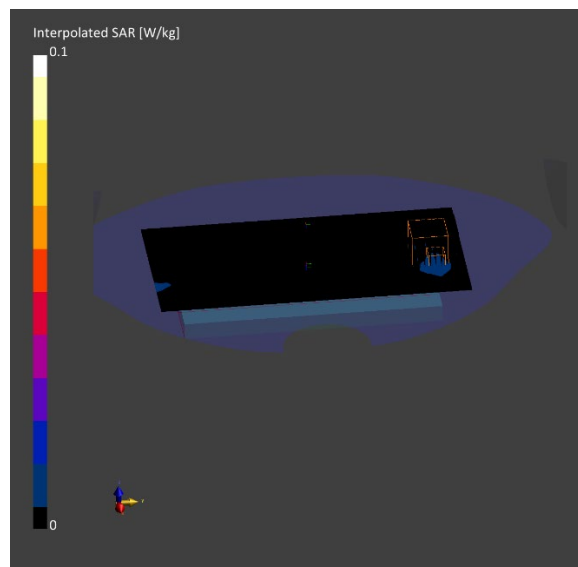
Reference Value = 0.00 W/kg; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.024 W/kg

SAR(1 g) = 0.007 W/kg; APD(4 cm²) = 0.058 W/m²

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

Ratio of SAR at M2 to SAR at M1 = 68.1 %



ELEMENT

DUT: A3LSMF936B; Type: Portable Handset; Serial: 0439M

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6065.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6065.0 MHz; cond = 5.51 S/m; perm = 34.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/09/2022; Ambient Temp: 22.4°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7551; ConvF:(5.54,5.54,5.54); Calibrated: 2021-10-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; Calibrated: 2021-09-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.0.2.137

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, Phablet SAR, Ch.
23, Top Edge, 68.1 Mbps**

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

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=2.7 mm, dy=2.7 mm, dz=1.4 mm; Graded
Ratio: 1.4

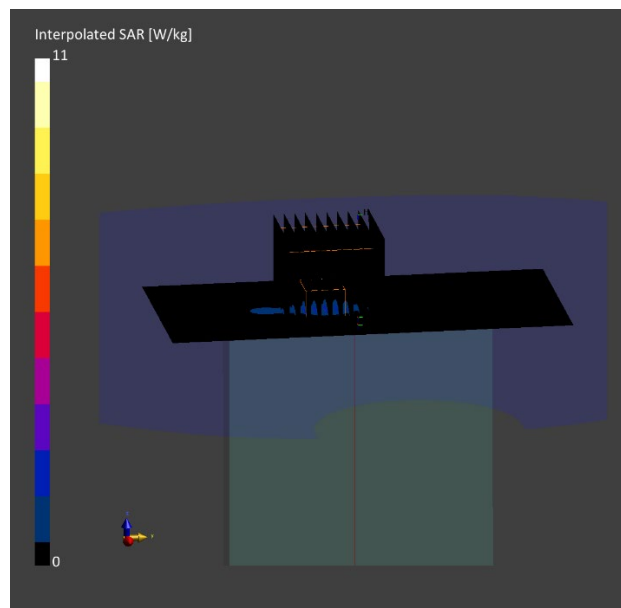
Reference Value = 1.19 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 11.0 W/kg

SAR(10 g) = 0.386 W/kg; APD(4 cm²) = 9.16 W/m²

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

Ratio of SAR at M2 to SAR at M1 = 50.2 %



ELEMENT

DUT: A3LSMF936B; Type: Portable Handset; Serial: VEV0026M

Communication System: CW; MAIA: Y; Frequency: 7987.2 MHz
Medium: 6000 Head; Medium parameters used:
f = 7987.2 MHz; cond = 7.90 S/m; perm = 32.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/28/2022; Ambient Temp: 20.9°C; Tissue Temp: 21.0°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 V16.0.2.137

Mode: UWB, CW, Antenna 0, Phablet SAR, Ch. 9, Back Side

Area Scan (104.0 x 195.0): Measurement grid: dx=6.5 mm, dy=6.5 mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=2.7 mm, dy=2.7 mm, dz=1.3 mm; Graded
Ratio: 1.4

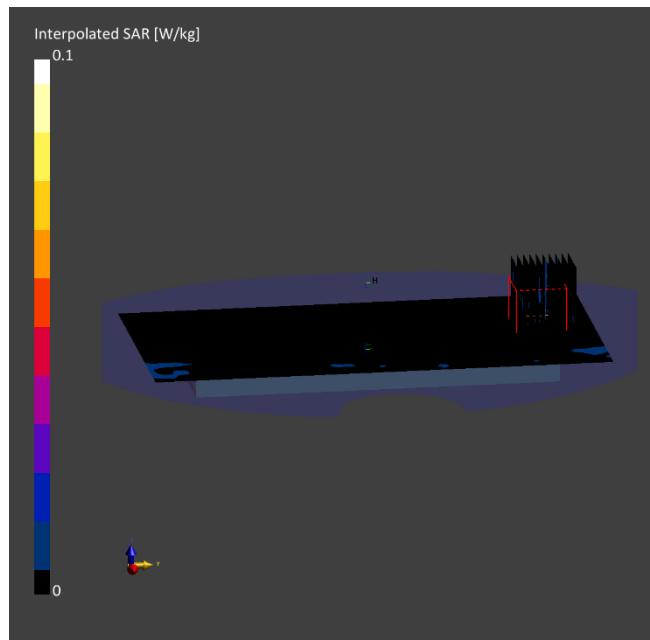
Reference Value = -0.01 W/kg; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.032 W/kg

SAR(10 g) = 0.001 W/kg; APD(4 cm²) = 0.030 W/m²

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

Ratio of SAR at M2 to SAR at M1 = 72.7 %



ELEMENT

DUT: A3LSMF936B; Type: Portable Handset; Serial: 0439M

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6065.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6065.0 MHz; cond = 5.76 S/m; perm = 34.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/13/2022; Ambient Temp: 21.7°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7551; ConvF:(5.54,5.54,5.54); Calibrated: 2021-10-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; Calibrated: 2021-09-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.0.2.137

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, UMPC Body SAR,
Ch. 23, Top Edge, 68.1 Mbps**

Area Scan (40.0 x 170.0): Measurement grid: dx=5.0 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

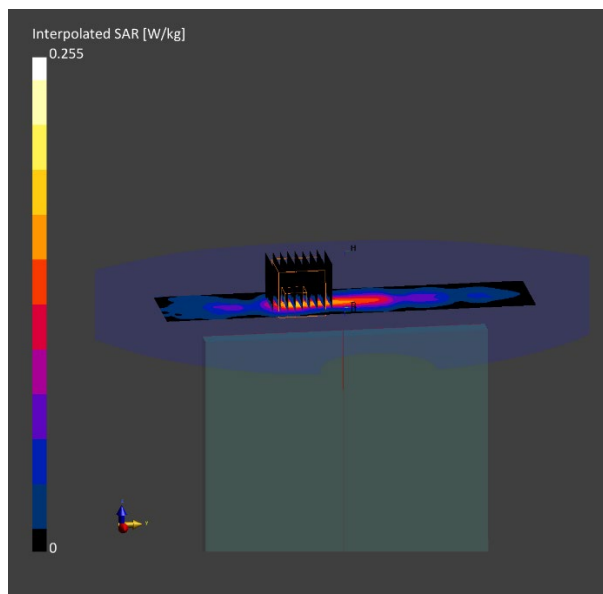
Reference Value = 0.05 W/kg; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.061 W/kg; APD(4 cm²) = 0.508 W/m²

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

Ratio of SAR at M2 to SAR at M1 = 56.8 %



ELEMENT

DUT: A3LSMF936B; Type: Portable Handset; Serial: 0439M

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6065.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6065.0 MHz; cond = 5.76 S/m; perm = 34.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/13/2022; Ambient Temp: 21.7°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7551; ConvF:(5.54,5.54,5.54); Calibrated: 2021-10-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; Calibrated: 2021-09-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.0.2.137

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, UMPC Extremity
SAR, Ch. 23, Top Edge, 68.1 Mbps**

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

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=3.1 mm, dy=3.1 mm, dz=1.4 mm; Graded
Ratio: 1.4

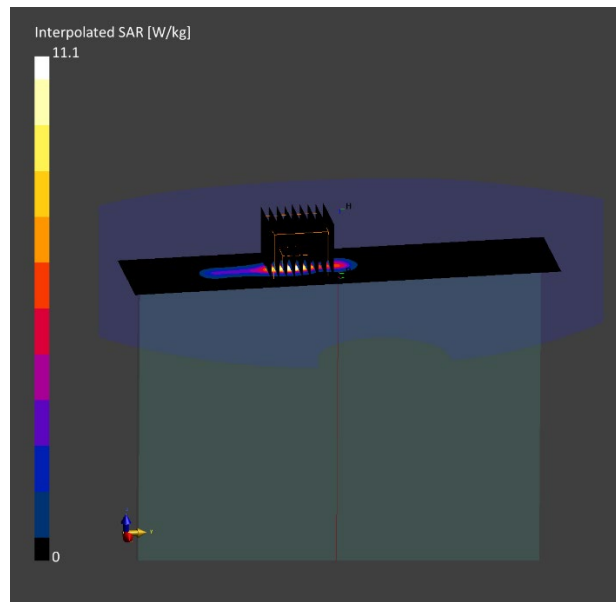
Reference Value = 1.81 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(10 g) = 0.418 W/kg; APD(4 cm²) = 9.97 W/m²

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

Ratio of SAR at M2 to SAR at M1 = 48.4 %



ELEMENT

DUT: A3LSMF936B; Type: Portable Handset; Serial: VEV0026M

Communication System: CW; MAIA: Y; Frequency: 7987.2 MHz
Medium: 6000 Head; Medium parameters used:
f = 7987.2 MHz; cond = 7.90 S/m; perm = 32.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/28/2022; Ambient Temp: 20.9°C; Tissue Temp: 21.0°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 V16.0.2.137

Mode: UWB, CW, Antenna 0, UMPC Extremity SAR, Ch. 9, Front Side

Area Scan (165.0 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

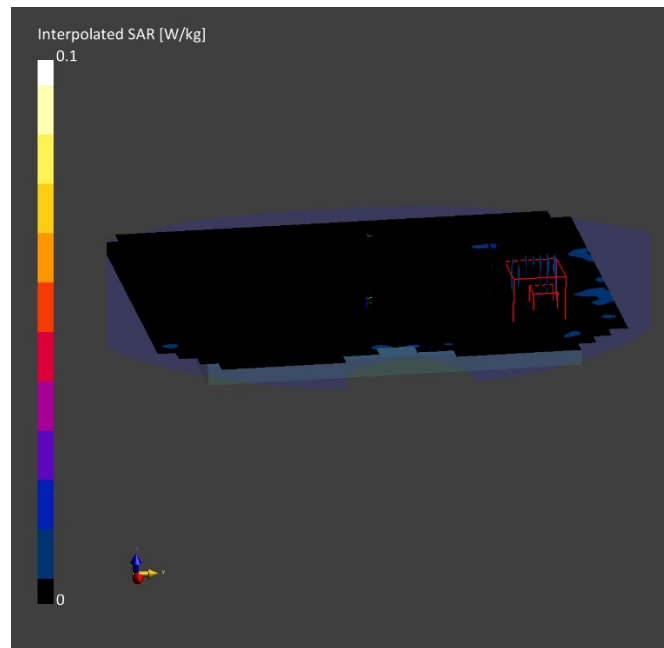
Reference Value = -0.01 W/kg; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.035 W/kg

SAR(10 g) = 0.001 W/kg; APD(4 cm²) = 0.028 W/m²

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

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



Element

Date: 05/31/2022

MIMO; Channel 23; 802.11ax; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936B	VDM0439M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	TOP	2.00	23	WLAN, 10731	6065.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV3 - SN9407, 12/13/2021	DAE4ip SN1639, 01/21/2022

Software Setup

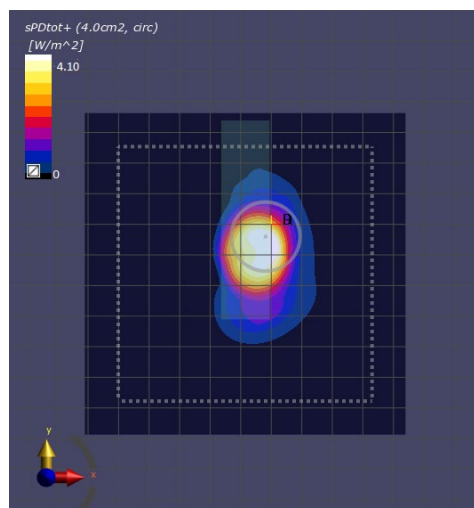
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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 ²]	4.00
pS _{tot} avg [W/m ²]	4.10
pS _n avg [W/m ²]	3.45
E _{peak} [V/m]	161
Power Drift [dB]	0.03



Element

Date: 05/31/2022

MIMO; Channel 23; 802.11ax; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936B	VDM0439M	Portable Handset

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group	Frequency [MHz]
5G	TOP	2.00	23	WLAN, 10731	6065.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV3 - SN9407, 12/13/2021	DAE4ip SN1639, 01/21/2022

Software Setup

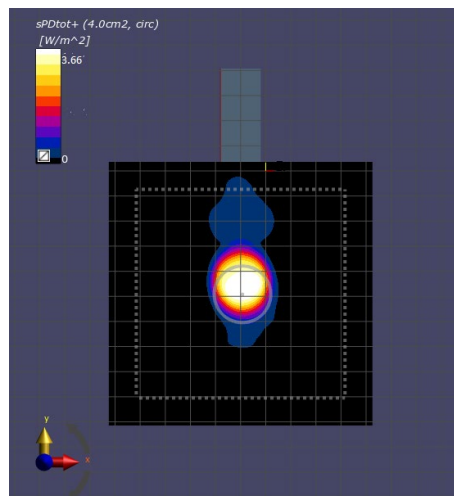
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

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 ²]	4.00
pS _{tot} avg [W/m ²]	3.66
pS _n avg [W/m ²]	3.05
E _{peak} [V/m]	165
Power Drift [dB]	0.02



Element

Date: 06/22/2022

Antenna 1; Channel 9; CW; Closed

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936B	VEV0026M	Portable Handset

Exposure Conditions

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

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 - SN9407, 12/13/2021	DAE4ip SN1639, 01/21/2022

Software Setup

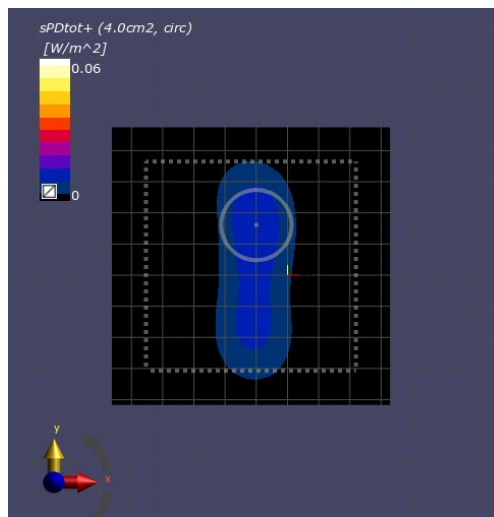
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	80 x 80
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	0.068
pS _n avg [W/m ²]	0.062
E _{peak} [V/m]	3.45
Power Drift [dB]	-0.16



Element

Date: 06/22/2022

Antenna 0; Channel 9; CW; Open

Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936B	VEV0026M	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
EUmWV3 - SN9407, 12/13/2021	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]	80 x 80
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	0.186
pS _n avg [W/m ²]	0.164
E _{peak} [V/m]	10.6
Power Drift [dB]	0.10

