

## APPENDIX A: TEST PLOTS

# ELEMENT

**DUT: A3LSMF936JPN; Type: Portable Handset; Serial: VEC0513M**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 5985.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5985.0 MHz; cond = 5.73 S/m; perm = 35.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Right Head; Space: 0.00 mm

Test Date: 07/12/2022; Ambient Temp: 20.0°C; Tissue Temp: 21.0°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 V16.0.2.136

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, Right Head, Tilt,  
Ch. 7, 68.1 Mbps**

**Area Scan (100.0 x 200.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=2.8 mm, dy=2.8 mm, dz=1.2 mm; Graded  
Ratio: 1.2

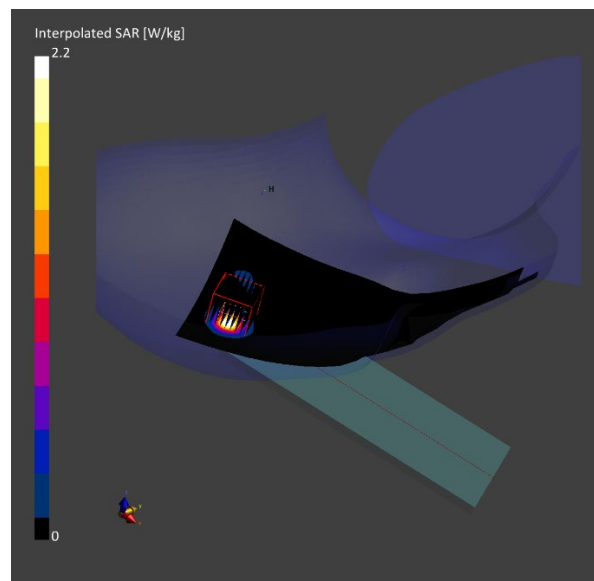
Reference Value = 0.21 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.20 W/kg

**SAR(1 g) = 0.351 W/kg; APD(4 cm<sup>2</sup>) = 2.02 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 = 58.5 %



# ELEMENT

**DUT: A3LSMF936JPN; Type: Portable Handset; Serial: VEC0513M**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 5985.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5985.0 MHz; cond = 5.73 S/m; perm = 35.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15.00 mm

Test Date: 07/12/2022; Ambient Temp: 20.0°C; Tissue Temp: 21.0°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 V16.0.2.136

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, Body SAR, Ch.  
7, Back Side, Peak Number 2, 68.1 Mbps**

**Area Scan (100.0 x 220.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded  
Ratio: 1.4

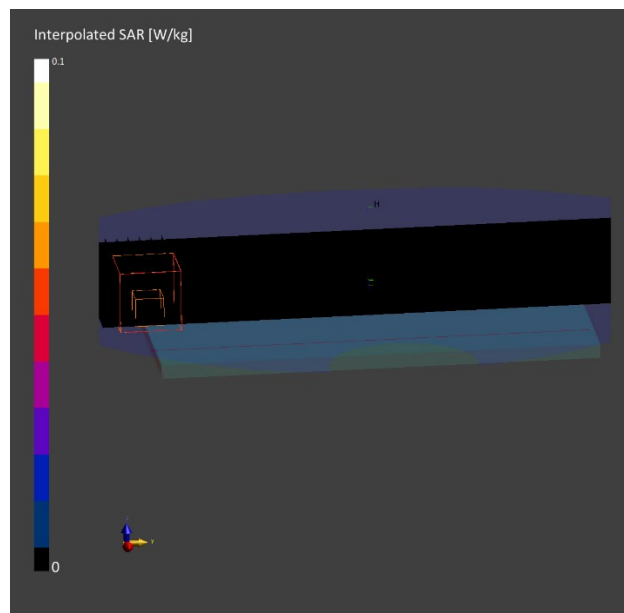
Reference Value = -0.01 W/kg; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.059 W/kg

**SAR(1 g) = 0.002 W/kg; APD(4 cm<sup>2</sup>) = 0.00 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 = 32.7 %



# ELEMENT

**DUT: A3LSMF936JPN; Type: Portable Handset; Serial: VEC0513M**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 5985.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5985.0 MHz; cond = 5.73 S/m; perm = 35.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/12/2022; Ambient Temp: 20.0°C; Tissue Temp: 21.0°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 V16.0.2.136

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

**Area Scan (40.0 x 100.0):** Measurement grid: dx=5.0 mm, dy=10.0 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

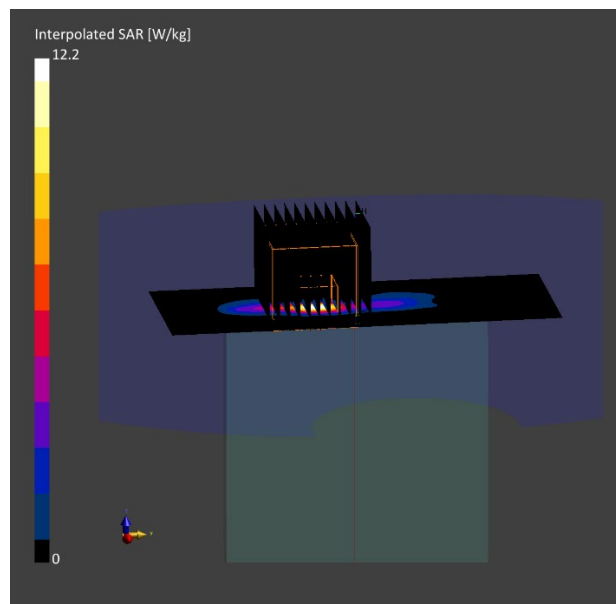
Reference Value = 0.96 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 12.2 W/kg

**SAR(10 g) = 0.311 W/kg; APD(4 cm<sup>2</sup>) = 7.42 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 3.3 mm

Ratio of SAR at M2 to SAR at M1 = 51.6 %



# ELEMENT

**DUT: A3LSMF936JPN; Type: Portable Handset; Serial: VEC0385M**

Communication System: CW; MAIA: Y; Frequency: 6489.6 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6489.6 MHz; cond = 6.04 S/m; perm = 34.5; density = 1000 kg/m<sup>3</sup>  
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 V16.0.2.136

**Mode: UWB, CW, Antenna 0, Phablet SAR, Ch. 5, Left Edge**

**Area Scan (48.0 x 187.0):** 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

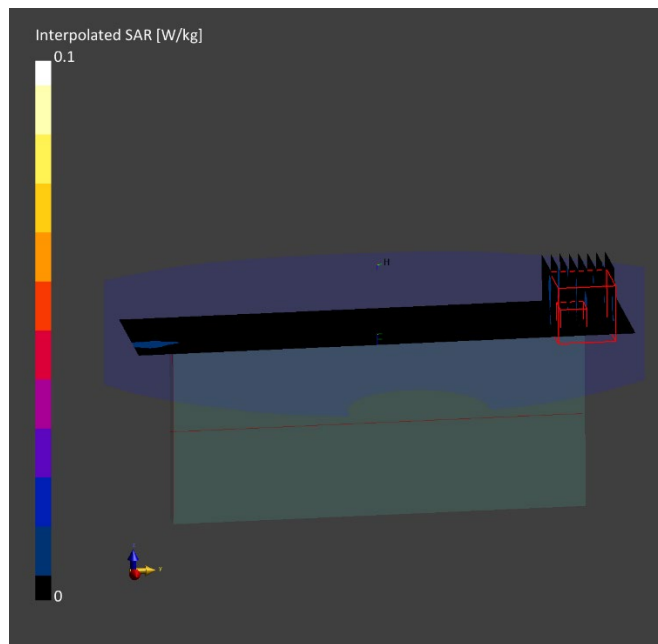
Reference Value = -0.01 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.020 W/kg

**SAR(10 g) = 0.002 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 = 53.1 %



# ELEMENT

**DUT: A3LSMF936JPN; Type: Portable Handset; Serial: VEC0513M**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 5985.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5985.0 MHz; cond = 5.73 S/m; perm = 35.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10.00 mm

Test Date: 07/12/2022; Ambient Temp: 20.0°C; Tissue Temp: 21.0°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 V16.0.2.136

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, UMPC Body SAR,  
Ch. 7, Top Edge, 68.1 Mbps**

**Area Scan (40.0 x 160.0):** Measurement grid: dx=5.0 mm, dy=10.0 mm

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded  
Ratio: 1.4

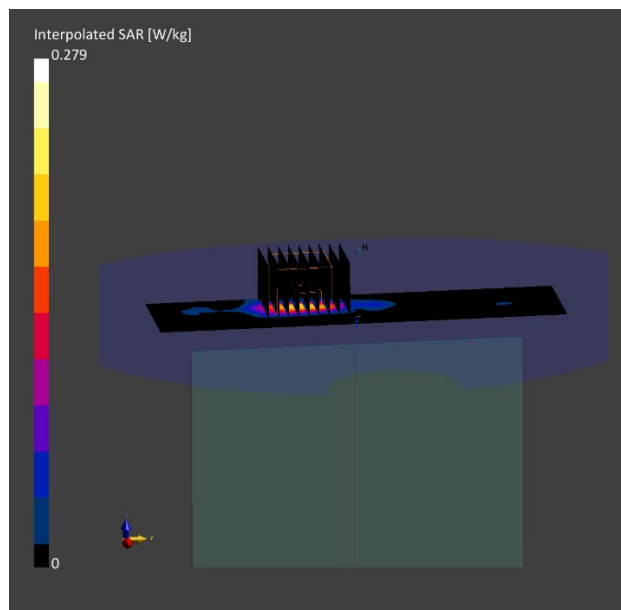
Reference Value = 0.03 W/kg; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.053 W/kg; APD(4 cm<sup>2</sup>) = 0.321 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 55.9 %



# ELEMENT

**DUT: A3LSMF936JPN; Type: Portable Handset; Serial: VEC0513M**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 5985.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5985.0 MHz; cond = 5.73 S/m; perm = 35.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/12/2022; Ambient Temp: 20.0°C; Tissue Temp: 21.0°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 V16.0.2.136

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, UMPC Extremity SAR, Ch. 7, Top Edge, 68.1 Mbps**

**Area Scan (40.0 x 160.0):** Measurement grid: dx=5.0 mm, dy=10.0 mm

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

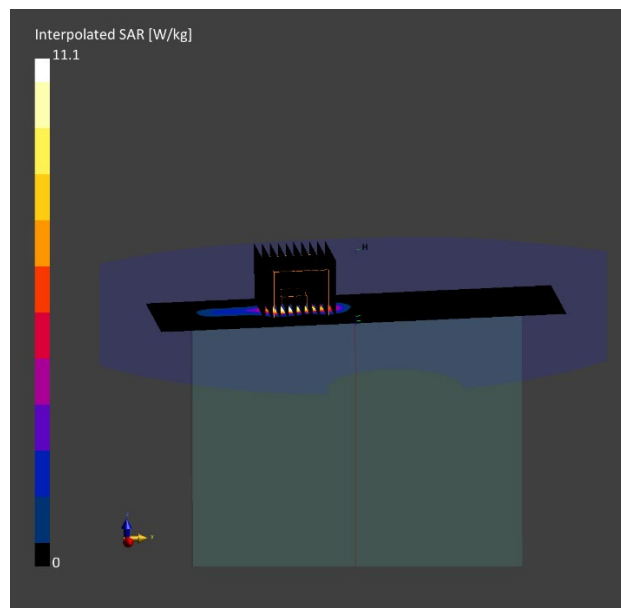
Reference Value = 0.93 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 11.1 W/kg

**SAR(10 g) = 0.331 W/kg; APD(4 cm<sup>2</sup>) = 7.82 W/m<sup>2</sup>**

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

Ratio of SAR at M2 to SAR at M1 = 47.1 %



# ELEMENT

**DUT: A3LSMF936JPN; Type: Portable Handset; Serial: VEC0385M**

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/m<sup>3</sup>  
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 V16.0.2.136

**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

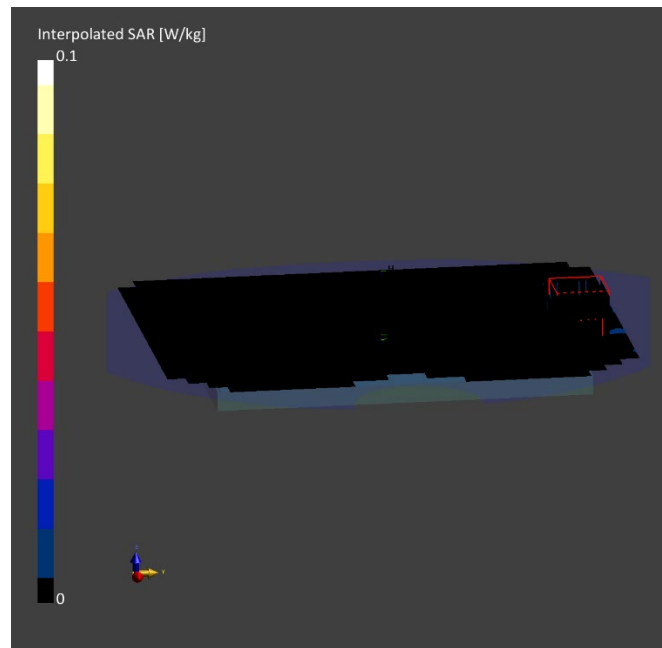
Reference Value = -0.01 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.023 W/kg

**SAR(10 g) = 0.001 W/kg; APD(4 cm<sup>2</sup>) = 0.025 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 = 46.0 %





# Element

Date: 07/11/2022

MIMO; Channel 7; 802.11ax; Closed

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936JPN	VEC0513M	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	TOP	2.00	7	WLAN, 10731	5985.0

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV4 - SN9541, 05/19/2022	DAE4ip SN1638, 11/11/2021

## Software Setup

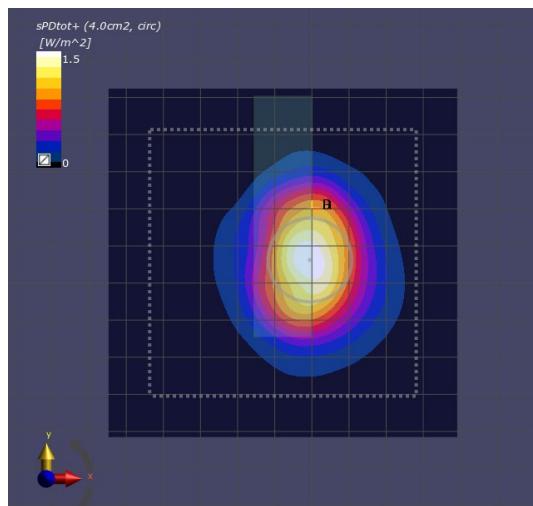
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

## 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 <sup>2</sup> ]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	1.51
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	1.11
E <sub>peak</sub> [V/m]	60.2
Power Drift [dB]	0.20



# Element

Date: 07/11/2022

MIMO; Channel 7; 802.11ax; Open

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936JPN	VEC0513M	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group	Frequency [MHz]
5G	TOP	2.00	7	WLAN, 10731	5985.0

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmWV4 - SN9541, 05/19/2022	DAE4ip SN1638, 11/11/2021

## Software Setup

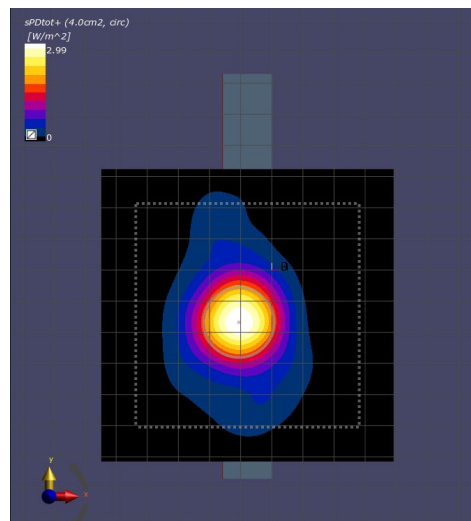
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

## 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 <sup>2</sup> ]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	2.99
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	2.38
E <sub>peak</sub> [V/m]	79.6
Power Drift [dB]	-0.09



# Element

Date: 06/22/2022

Antenna 0; Channel 5; CW; Closed

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936JPN	VEC0385M	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group	Frequency [MHz]
5G	LEFT	2.00	5	CW	6489.6

## Hardware Setup

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

## Software Setup

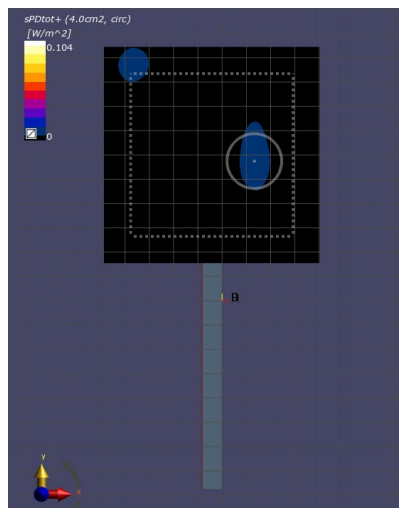
Software	Software Version
cDASY6 Module mmWave	3.0.0.841

## 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 <sup>2</sup> ]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	0.104
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	0.091
E <sub>peak</sub> [V/m]	7.17
Power Drift [dB]	-0.09



# Element

Date: 06/22/2022

Antenna 1; Channel 9; CW; Open

## Device Under Test Properties

DUT	Serial Number	DUT Type
A3LSMF936JPN	VEC0385M	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 <sup>2</sup> ]	4.00
pS <sub>tot</sub> avg [W/m <sup>2</sup> ]	0.191
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	0.158
E <sub>peak</sub> [V/m]	10.5
Power Drift [dB]	-0.03

