

## APPENDIX A: TEST PLOTS

# ELEMENT

**DUT: PY7-84558E; Type: Portable Handset; Serial: 02862**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 5985.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5985.0 MHz; cond = 5.62 S/m; perm = 34.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Right Head; Space: 0.00 mm

Test Date: 03/01/2023; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7416; ConvF:(5.25,5.25,5.25); Calibrated: 2022-05-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn701; Calibrated: 2022-05-16  
Phantom: Twin-SAM V8.0; Serial: 2071  
Measurement SW: DASY Module SAR V16.2.0.1425

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

**Area Scan (120.0 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=2.6 mm, dy=2.6 mm, dz=1.2 mm; Graded  
Ratio: 1.2

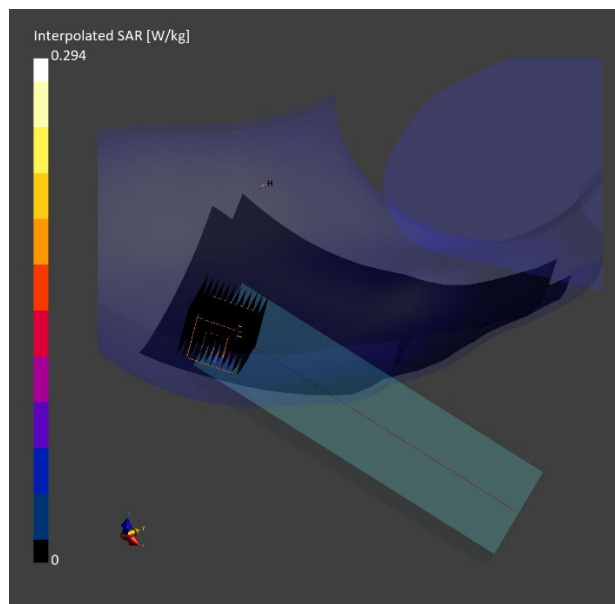
Reference Value = -0.01 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.294 W/kg

**SAR(1 g) = 0.037 W/kg; APD(4 cm<sup>2</sup>) = 0.107 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 2.7 mm

Ratio of SAR at M2 to SAR at M1 = 61.7 %



# ELEMENT

**DUT: PY7-84558E; Type: Portable Handset; Serial: 02862**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6305.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6305.0 MHz; cond = 6.01 S/m; perm = 33.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10.00 mm

Test Date: 03/01/2023; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7416; ConvF:(5.25,5.25,5.25); Calibrated: 2022-05-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn701; Calibrated: 2022-05-16  
Phantom: Twin-SAM V8.0; Serial: 2071  
Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: IEEE 802.11ax, 80 MHz Bandwidth, UNII-5, MIMO, Ch. 71, Body SAR,  
Back Side, 68.1 Mbps, Peak Number 2**

**Area Scan (51.0 x 51.0):** 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

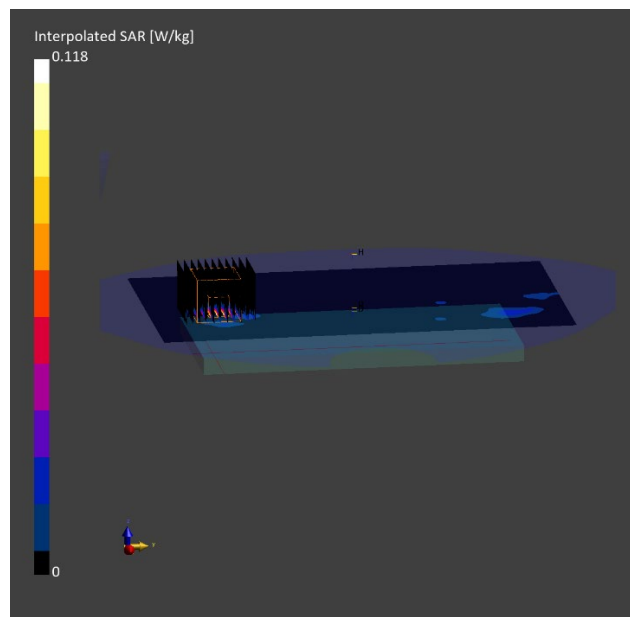
Reference Value = 0.02 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.118 W/kg

**SAR(1 g) = 0.022 W/kg; APD(4 cm<sup>2</sup>) = 0.127 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 53.5 %



# ELEMENT

**DUT: PY7-84558E; Type: Portable Handset; Serial: 02862**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 5985.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5985.0 MHz; cond = 5.62 S/m; perm = 34.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 03/01/2023; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7416; ConvF:(5.25,5.25,5.25); Calibrated: 2022-05-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn701; Calibrated: 2022-05-16  
Phantom: Twin-SAM V8.0; Serial: 2071  
Measurement SW: DASY Module SAR V16.2.0.1425

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

**Area Scan (48.0 x 200.0):** Measurement grid: dx=8.0 mm, dy=10.0 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

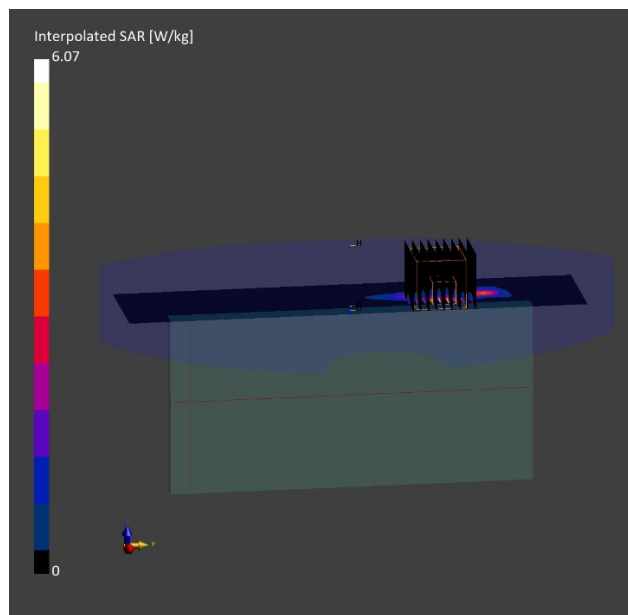
Reference Value = 1.09 W/kg; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 6.07 W/kg

**SAR(10 g) = 0.225 W/kg; APD(4 cm<sup>2</sup>) = 5.37 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 = 53.3 %



# ELEMENT

Date: 03/02/2023

MIMO, Channel 167, 802.11ax

## Device Under Test Properties

DUT	Serial Number	DUT Type
PY7-84558E	02847	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE LEFT	2.00	167	WLAN, 10731	6785.0

## Hardware/Software Setup

Probe, Calibration Date	DAE, Calibration Date	Software	Software Version
EUmmWV3 - SN9407, 10/17/2022	DAE4ip - SN1638, 10/13/2022	cDASY6 Module mmWave	3.2.0.1840

## Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	100.0 x 100.0
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> ]	1.86
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	1.43
E <sub>peak</sub> [V/m]	47.6
Power Drift [dB]	-0.06

