

**APPENDIX A: TEST PLOTS**

# ELEMENT

**DUT: PY7-76056F; Type: Portable Handset; Serial: 99567**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6545.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6545.0 MHz; cond = 6.25 S/m; perm = 34.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Right Head; Space: 0.00 mm

Test Date: 07/05/2022; Ambient Temp: 21.0°C; Tissue Temp: 22.0°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-7, MIMO, 80 MHz Bandwidth, Right Head, Cheek,  
Ch. 119, 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

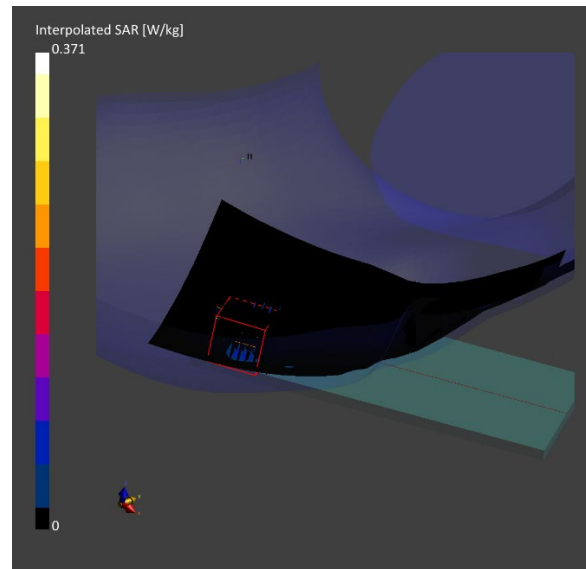
Reference Value = -0.01 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.371 W/kg

**SAR(1 g) = 0.053 W/kg; APD(4 cm<sup>2</sup>) = 0.217 W/m<sup>2</sup>**

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

Ratio of SAR at M2 to SAR at M1 = 58.4 %



# ELEMENT

**DUT: PY7-76056F; Type: Portable Handset; Serial: 99567**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 7025.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 7025.0 MHz; cond = 6.74 S/m; perm = 33.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10.00 mm

Test Date: 07/05/2022; Ambient Temp: 21.0°C; Tissue Temp: 22.0°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-8, MIMO, 80 MHz Bandwidth, Body SAR, Ch.  
215, Back Side, Peak Number 1, 68.1 Mbps**

**Area Scan (120.0 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

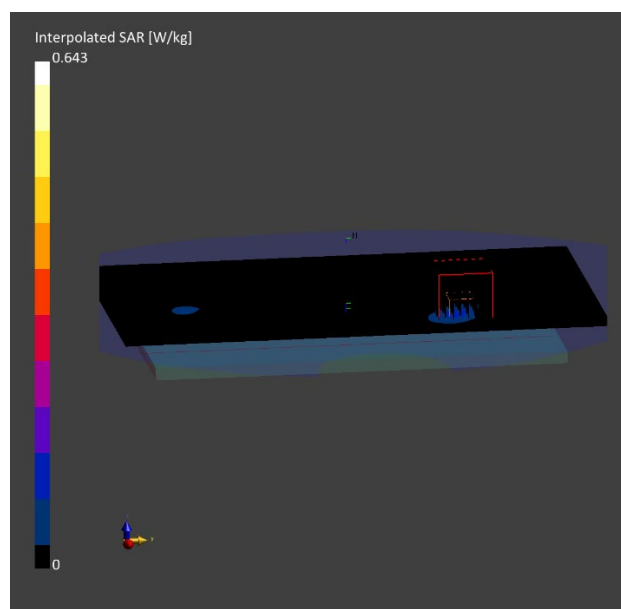
Reference Value = -0.02 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.643 W/kg

**SAR(1 g) = 0.114 W/kg; APD(4 cm<sup>2</sup>) = 0.778 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 5.9 mm

Ratio of SAR at M2 to SAR at M1 = 51.8 %



# ELEMENT

**DUT: PY7-76056F; Type: Portable Handset; Serial: 99567**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6545.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6545.0 MHz; cond = 6.25 S/m; perm = 34.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/05/2022; Ambient Temp: 21.0°C; Tissue Temp: 22.0°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-7, MIMO, 80 MHz Bandwidth, Phablet SAR, Ch. 119, Left Edge, Peak Number 1, 68.1 Mbps**

**Area Scan (40.0 x 204.0):** 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

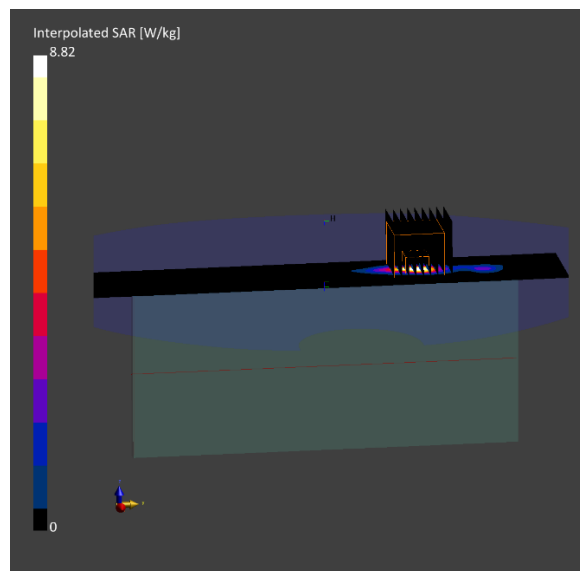
Reference Value = 0.82 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.214 W/kg

**SAR(10 g) = 0.275 W/kg; APD(4 cm<sup>2</sup>) = 6.59 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 = 53.3 %



# ELEMENT

Date: 07/05/2022

MIMO; Channel 119; 802.11ax

## Device Under Test Properties

DUT	Serial Number	DUT Type
PY7-76056F	99567	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	BACK, Peak Number 2	2.00	119	WLAN, 10731	6545.0

## Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 - SN9541, 05/22/2022	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]	100x100
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> ]	3.65
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	3.17
E <sub>peak</sub> [V/m]	51.8
Power Drift [dB]	0.03

