

## APPENDIX A: TEST PLOTS

# Element

**DUT: PY7-57325M; Type: Portable Handset; Serial: QV77001XAZ**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6065.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6065.0 MHz; cond = 5.40 S/m; perm = 34.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Right Head; Space: 0.00 mm

Test Date: 04/04/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7551; ConvF:(5.54,5.54,5.54); Calibrated: 2021-10-26  
Sensor-Surface: 1.4mm (All points)  
Electronics: DAE4 Sn1449; Calibrated: 2021-09-15  
Phantom: Twin-SAM V8.0 Right; Serial: 1981  
Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11ax, U-NII-5, MIMO, 80 MHz Bandwidth, Right Head,  
Cheek, Ch. 23, 68.1 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=2.7 mm, dy=2.7 mm, dz=1.2 mm; Graded  
Ratio: 1.2

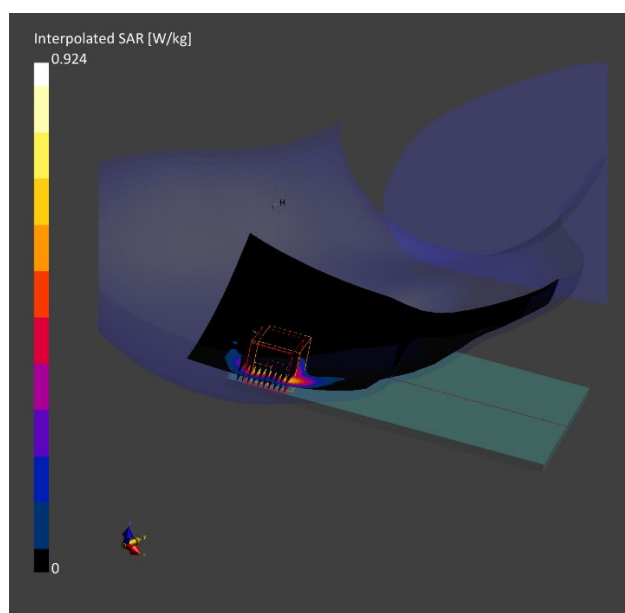
Reference Value = 0.06 W/kg; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.776 W/kg

**SAR(1 g) = 0.126 W/kg; APD(4 cm<sup>2</sup>) = 0.807 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 = 56.4 %



# Element

**DUT: PY7-57325M; Type: Portable Handset; Serial: QV77001XAZ**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6545.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 6545.0 MHz; cond = 5.99 S/m; perm = 33.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10.00 mm

Test Date: 04/04/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.5°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 Right; Serial: 1981  
Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11ax, U-NII-7, MIMO, 80 MHz Bandwidth, Body SAR, Back Side, Ch. 119, 68.1 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

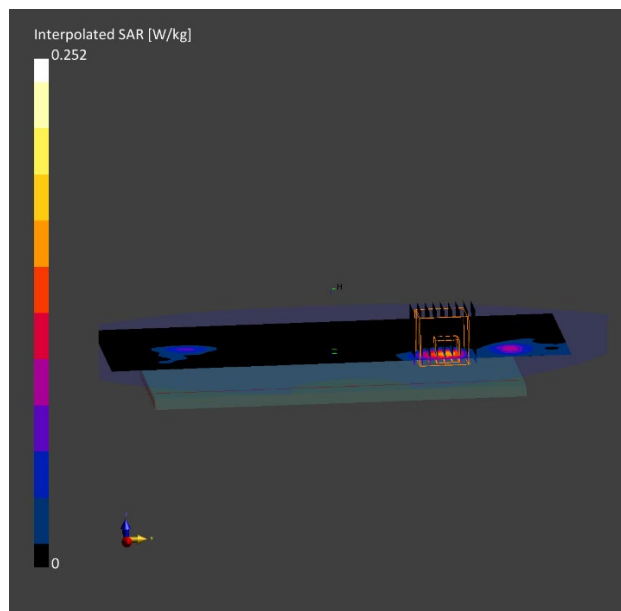
Reference Value = 0.03 W/kg; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.252 W/kg

**SAR(1 g) = 0.054 W/kg; APD(4 cm<sup>2</sup>) = 0.408 W/m<sup>2</sup>**

Smallest distance from peaks to all points 3 dB below is 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.5 %



# Element

**DUT: PY7-57325M; Type: Portable Handset; Serial: QV77001XAZ**

Communication System: UID:10731 - AAC, WLAN; MAIA: Y; Frequency: 6545.0 MHz

Medium: 6000 Head; Medium parameters used:

f = 6545.0 MHz; cond = 5.99 S/m; perm = 33.5; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 04/04/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.5°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 Right; Serial: 1981

Measurement SW: DASY Module SAR V16.0.0.116

**Mode: IEEE 802.11ax, U-NII-7, MIMO, 80 MHz Bandwidth, Phablet SAR, Back Side, Ch. 119, 68.1 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=3.1 mm, dy=3.1 mm, dz=1.2 mm; Graded Ratio: 1.2

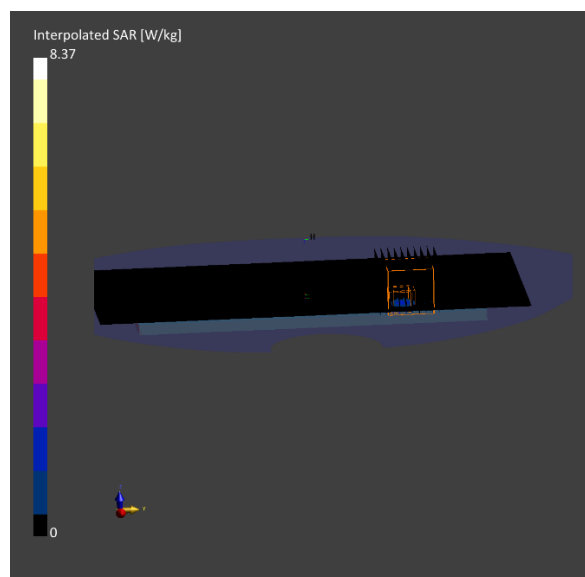
Reference Value = 0.99 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 8.37 W/kg

**SAR(10 g) = 0.268 W/kg; APD(4 cm<sup>2</sup>) = 6.230 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 = 59.0 %



# Element

Date: 04/05/2022

MIMO; Channel 119; 802.11ax

## Device Under Test Properties

DUT	Serial Number	DUT Type
PY7-57325M	QV77005PAZ	Portable Handset

## Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	BACK	2.00	119	WLAN, 10731	6545.00

## 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]	120x120
Grid Steps [lambda]	0.0625 x 0.0625
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> ]	2.86
pS <sub>n</sub> avg [W/m <sup>2</sup> ]	2.28
E <sub>peak</sub> [V/m]	52.0
Power Drift [dB]	0.05

