

APPENDIX A: SAR TEST DATA

ELEMENT

DUT: BCGA2925; Type: Portable Tablet; Serial: 9QXKO

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2462.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2462.0$ MHz; $\text{cond} = 1.77$ S/m; $\text{perm} = 40.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/16/2024; Ambient Temp: 20.6°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7421; ConvF:(7.45,7.45,7.45); Calibrated: 2023-03-16

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn604; Calibrated: 2023-03-15

Phantom: Twin-SAM V8.0; Serial: 2070

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna WF8, Variant 1, 22 MHz Bandwidth, Exp:
Body SAR| Right Edge, Ch. 11, 1Mbps**

Area Scan (40.0 x 320.0): Measurement grid: $\text{dx}=5.0$ mm, $\text{dy}=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $\text{dx}=3.4$ mm, $\text{dy}=3.4$ mm, $\text{dz}=1.4$ mm; Graded Ratio: 1.4

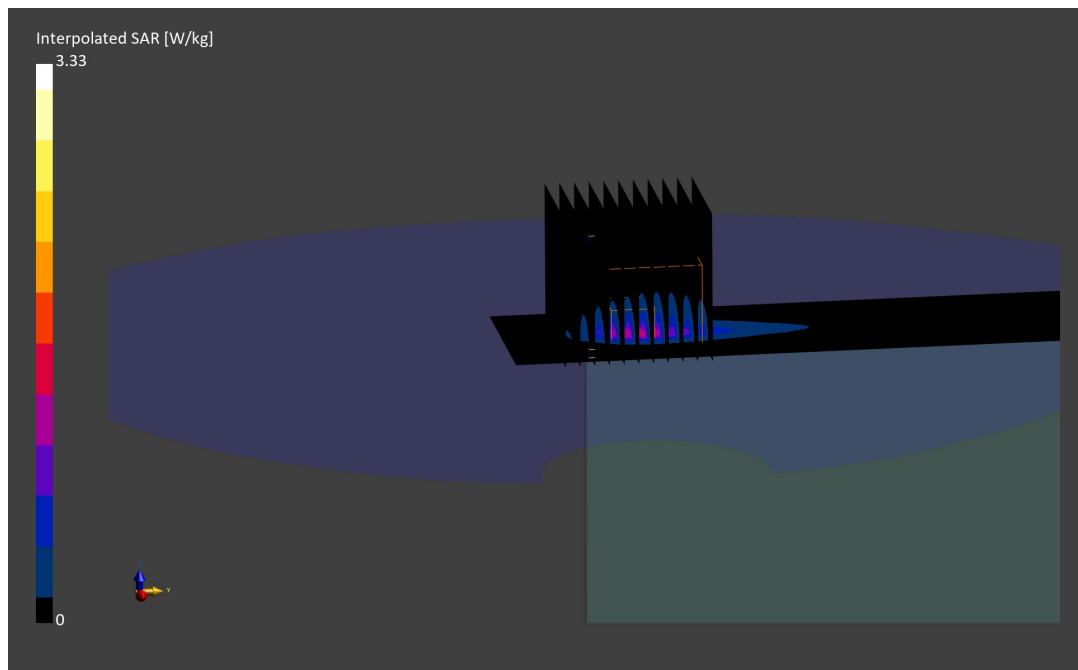
Reference Value = 1.09 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.33 W/kg

SAR(1 g) = 0.945 W/kg

Smallest distance from peaks to all points 3 dB below is 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 68.9 %



ELEMENT

DUT: BCGA2925; Type: Portable Tablet; Serial: WD0XN

Communication System: UID:10544 - AAC, WLAN; MAIA: Y; Frequency: 5210.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5210.0 MHz; cond = 4.44 S/m; perm = 35.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/08/2024; Ambient Temp: 19.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN3746; ConvF:(5.12,5.12,5.12); Calibrated: 2023-10-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1237; Calibrated: 2023-10-18
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna WF8, Variant 2, 80 MHz Bandwidth, U-NII-1,
Exp: Body SAR| Right Edge, Ch. 42, 29.3 Mbps**

Area Scan (40.0 x 320.0): 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

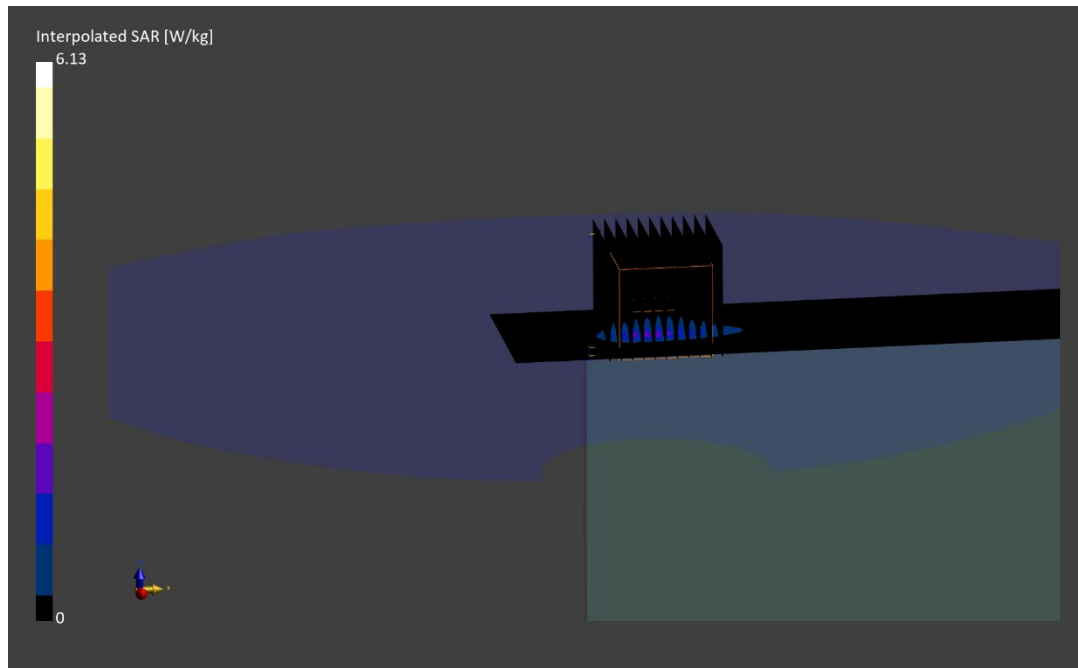
Reference Value = 1.05 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 6.13 W/kg

SAR(1 g) = 1.11 W/kg

Smallest distance from peaks to all points 3 dB below is 4.0 mm

Ratio of SAR at M2 to SAR at M1 = 62.1 %



ELEMENT

DUT: BCGA2925; Type: Portable Tablet; Serial: 4T6QV

Communication System: UID:10755 - AAC, WLAN; MAIA: Y; Frequency: 6505.0 MHz

Medium: 6000 Head; Medium parameters used:

$f = 6505.0$ MHz; $\text{cond} = 5.98$ S/m; $\text{perm} = 33.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/08/2024; Ambient Temp: 21.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7420; ConvF:(5.21,5.12,5.28); Calibrated: 2023-10-16

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1333; Calibrated: 2023-10-18

Phantom: Twin-SAM V4.0 (30deg probe tilt); Serial: 1275

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: 6 GHz WIFI/ IEEE 802.11ax, Antenna WF7, Variant 1, 160 MHz Bandwidth, U-NII-6, Exp: Body SAR| Back Side, Ch. 111, 68.1 Mbps

Area Scan (255.0 x 323.0): Measurement grid: $dx=8.5$ mm, $dy=8.5$ mm

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

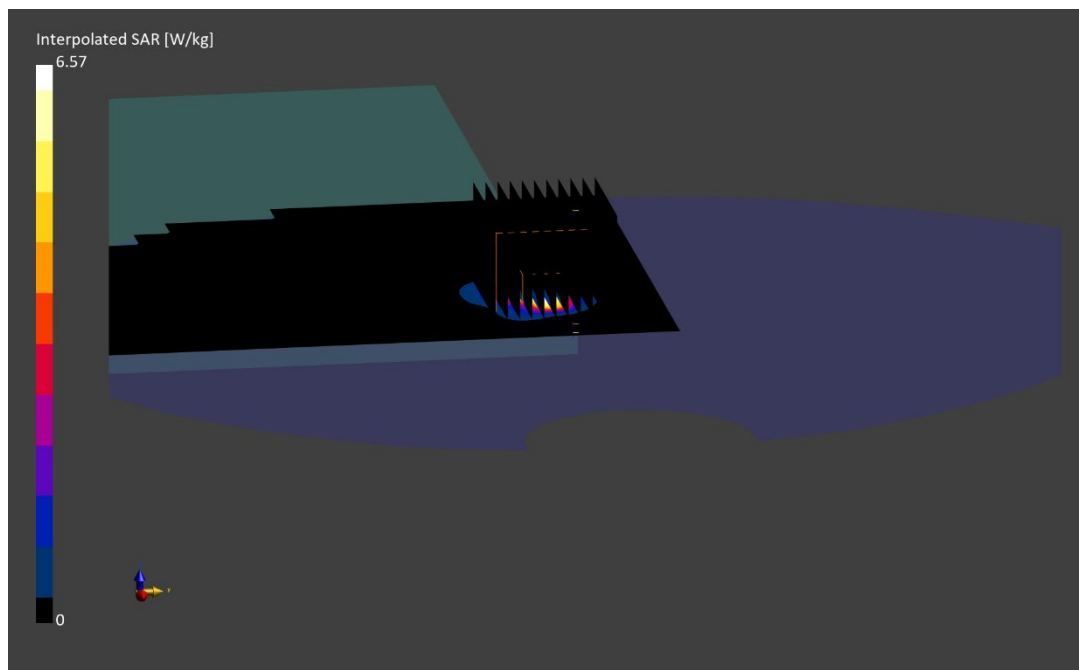
Reference Value = 1.35 W/kg; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 6.57 W/kg

SAR(1 g) = 1.12 W/kg; APD(4cm²) = 7.09 W/m²

Smallest distance from peaks to all points 3 dB below is 4.3 mm

Ratio of SAR at M2 to SAR at M1 = 46.5 %



ELEMENT

DUT: BCGA2925; Type: Portable Tablet; Serial: 41377

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2480.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2480.0$ MHz; $\text{cond} = 1.79$ S/m; $\text{perm} = 39.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/08/2024; Ambient Temp: 19.9°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7421; ConvF:(7.45,7.45,7.45); Calibrated: 2023-03-16

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn604; Calibrated: 2023-03-15

Phantom: Twin-SAM V8.0; Serial: 2070

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: 2.4 GHz Bluetooth, Antenna WF7, Variant 2, Exp: Body SAR| Back Side, Ch. 78, 1 Mbps

Area Scan (260.0 x 320.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (33.6 x 33.6 x 30.0): Measurement grid: $dx=2.4$ mm, $dy=2.4$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

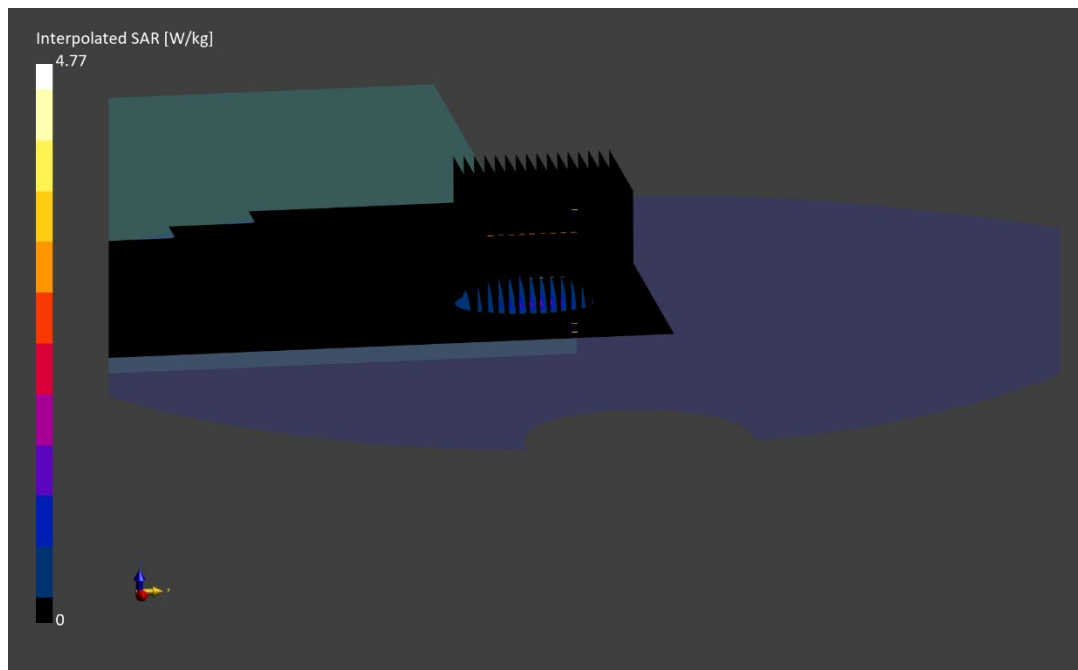
Reference Value = 1.04 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.77 W/kg

SAR(1 g) = 1.10 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 53.0 %



ELEMENT

DUT: BCGA2925; Type: Portable Handset; Serial: MJ7F3

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 2405.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2405.0 MHz; cond = 1.71 S/m; perm = 40.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 02/28/2024; Ambient Temp: 19.0°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7416; ConvF:(7.27,7.27,7.27); Calibrated: 2023-05-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2023-05-11
Phantom: Twin-SAM V8.0; Serial: 2029
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: 802.15.4, Antenna WF8, Variant 2, Exp: Body SAR| Right Edge, Ch. 11, 0.25 Mbps

Area Scan (40.0 x 320.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=3.9 mm, dy=3.9 mm, dz=1.4 mm; Graded Ratio: 1.4

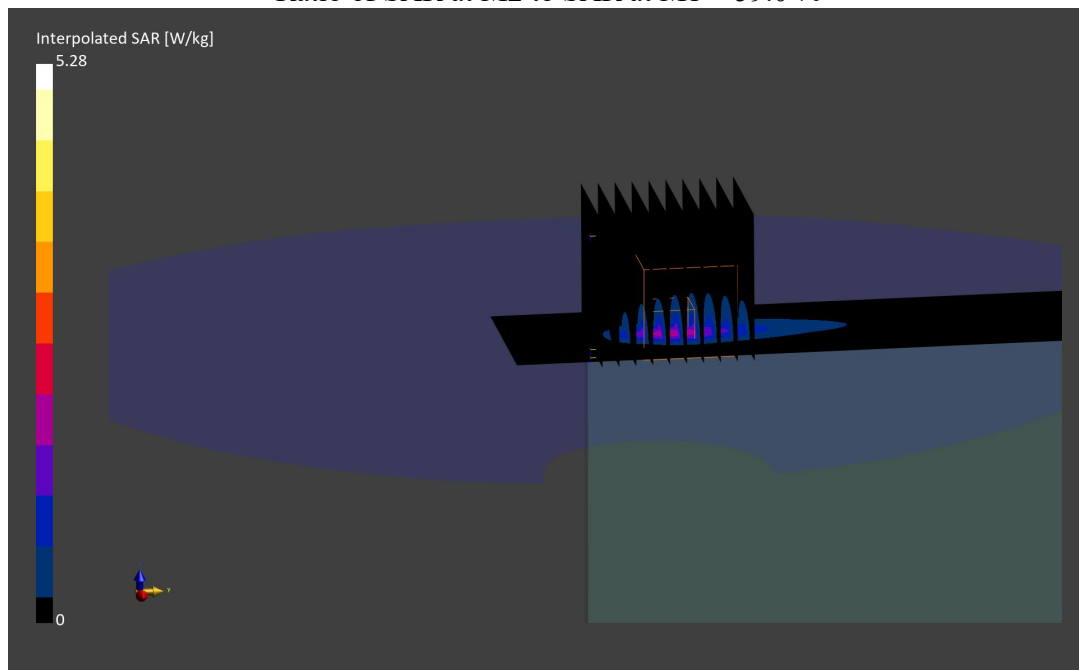
Reference Value = 1.25 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.28 W/kg

SAR(1 g) = 1.42 W/kg

Smallest distance from peaks to all points 3 dB below is 4.3 mm

Ratio of SAR at M2 to SAR at M1 = 59.0 %



ELEMENT

DUT: BCGA2925; Type: Portable Tablet; Serial: 2F3VY

Communication System: UID:10032 - CAA, CW; MAIA: Y; Frequency: 5789.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5789.0 \text{ MHz}$; $\text{cond} = 5.20 \text{ S/m}$; $\text{perm} = 35.0$; $\text{density} = 1000 \text{ kg/m}^3$
Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/18/2024; Ambient Temp: 23.0°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN3746; ConvF:(4.59,4.59,4.59); Calibrated: 2023-10-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1237; Calibrated: 2023-10-18
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: NB U-NII 3, Antenna WF8, Variant 1, Exp: Body SAR| Right Edge, Ch. Mid, 1 Mbps

Area Scan (40.0 x 320.0): Measurement grid: $dx=5.0 \text{ mm}$, $dy=10.0 \text{ mm}$

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: $dx=2.8 \text{ mm}$, $dy=2.8 \text{ mm}$, $dz=1.2 \text{ mm}$; Graded Ratio: 1.2

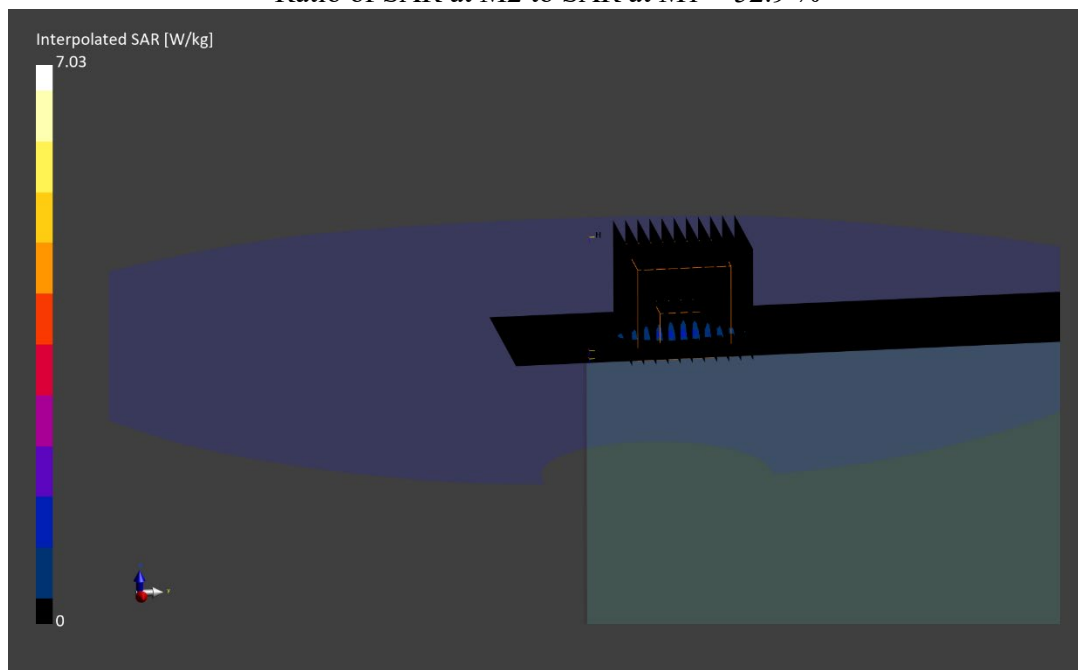
Reference Value = 0.88 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 7.03 W/kg

SAR(1 g) = 1.09 W/kg

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

Ratio of SAR at M2 to SAR at M1 = 52.9 %



ELEMENT

DUT: BCGA2925; Type: Portable Tablet; Serial: HHF20

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.6 MHz

Medium: 30 Head; Medium parameters used:

$f = 13.6$ MHz; $\text{cond} = 0.727$ S/m; $\text{perm} = 53.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 02/14/2024; Ambient Temp: 22.6°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7360; ConvF:(17.98,17.98,17.98); Calibrated: 2023-03-16

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn534; Calibrated: 2023-03-15

Phantom: ELI V6.0; Serial: 2044

Measurement SW: DASY Module SAR V16.2.0.1425

Mode: wPT, Body SAR, Back Side

Area Scan (270.0 x 330.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=2.6$ mm, $dy=2.6$ mm, $dz=1.2$ mm; Graded Ratio: 1.2

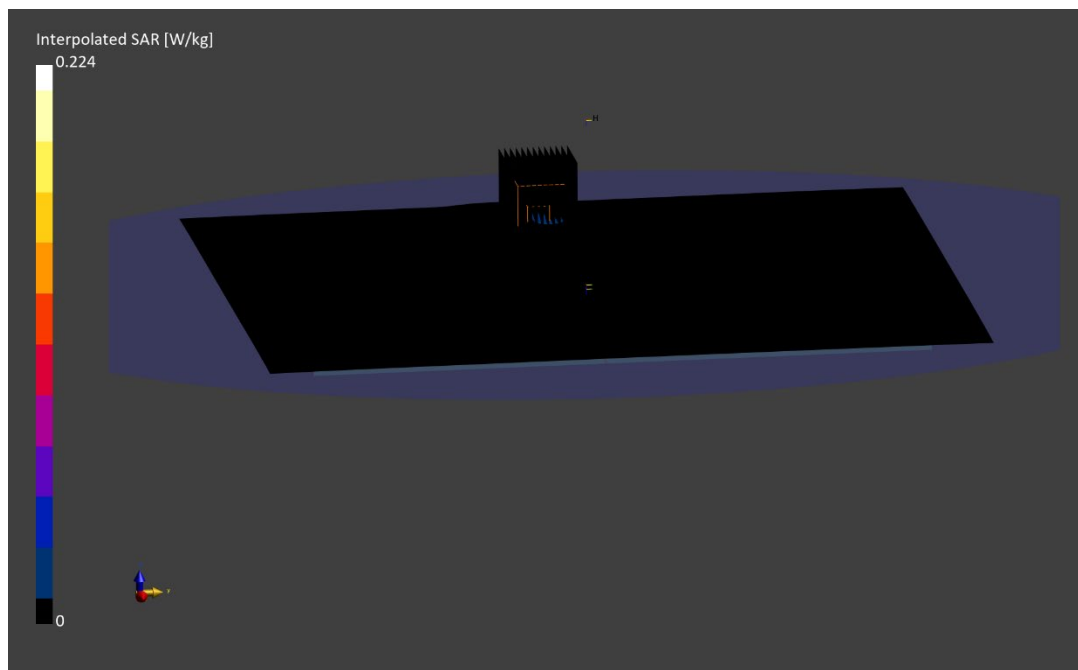
Reference Value = 0.01 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.031 W/kg

Smallest distance from peaks to all points 3 dB below is 4.2 mm

Ratio of SAR at M2 to SAR at M1 = 53.0 %



Date: 01/25/2024

Antenna WF8; Variant 2; Channel 15; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2925	X9T79CW4WJ	Portable Tablet

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE RIGHT	2.00	15	WLAN 10755	6025.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9407, 10/09/2023	DAE4 – SN793, 10/18/2023

Software Setup

Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	25.0 x 25.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	3.87
pS _n avg [W/m²]	1.78
E _{peak} [V/m]	57.1
Power Drift [dB]	-0.07

