

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: BCGA2993; Type: Tablet Device; Serial: FYW64

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

Medium: 2450 Head; Medium parameters used:

$f = 2462.0$ MHz; $\text{cond} = 1.88$ S/m; $\text{perm} = 39.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/20/2024; Ambient Temp: 21.5°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7638; ConvF:(7.38,7.72,7.8); Calibrated: 2024-03-11

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

Electronics: DAE4 Sn1408; Calibrated: 2024-03-06

Phantom: Twin-SAM V8.0; Serial: 1935

Measurement SW: DASY Module SAR V16.2.4.2524

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

Area Scan (40.0 x 180.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

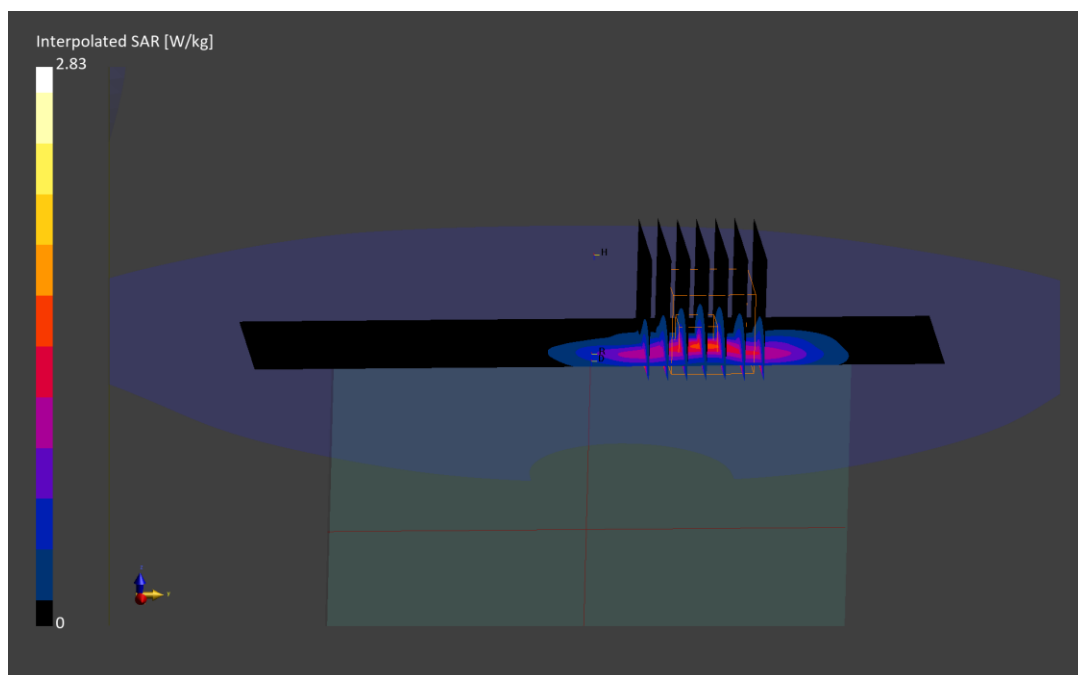
Reference Value = 1.44 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 1.12 W/kg

Smallest distance from peaks to all points 3 dB below is 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 74.7 %



ELEMENT

DUT: BCGA2993; Type: Tablet Device; Serial: 2GVGG

Communication System: UID:10544 - AAD, WLAN; MAIA: Y; Frequency: 5775.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5775.0 MHz; cond = 5.25 S/m; perm = 35.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/20/2024; Ambient Temp: 20.7°C; Tissue Temp: 19.8°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 V16.2.4.2524

**Mode: 5 GHz WIFI/ IEEE 802.11ac, Antenna WF2, 80 MHz Bandwidth, U-NII-3,
Variant 2, Exp: Body| Bottom Edge, Ch. 155, 29.3 Mbps**

Area Scan (40.0 x 180.0): 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

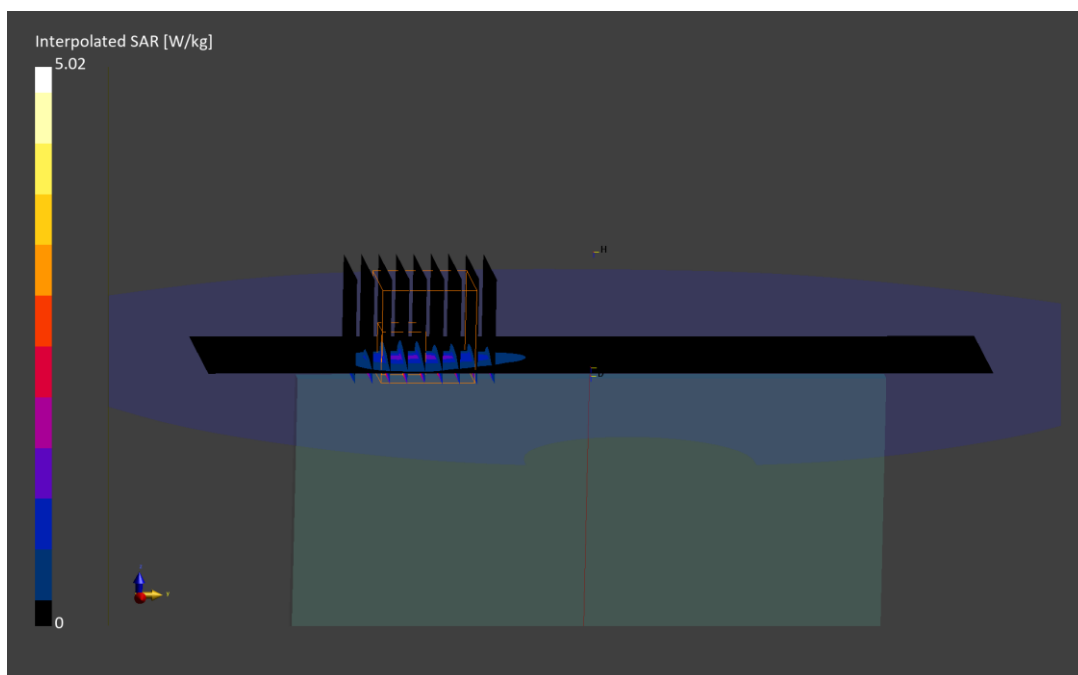
Reference Value = 0.95 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 5.02 W/kg

SAR(1 g) = 1.05 W/kg

Smallest distance from peaks to all points 3 dB below is 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 57.5 %



ELEMENT

DUT: BCGA2993; Type: Tablet Device; Serial: 9R4T3

Communication System: UID:10755 - AAC, WLAN; MAIA: Y; Frequency: 6665.0 MHz

Medium: 6500 Head; Medium parameters used:

$f = 6665.0$ MHz; $\text{cond} = 6.12$ S/m; $\text{perm} = 34.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/28/2024; Ambient Temp: 21.3°C; Tissue Temp: 20.0°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; Serial: 1275

Measurement SW: DASY Module SAR V16.2.4.2524

**Mode: 6 GHz WIFI/ IEEE 802.11ax, Antenna WF2, 160 MHz Bandwidth, U-NII-7,
Variant 2, Exp: Body| Bottom Edge, Ch. 143, 68.1 Mbps**

Area Scan (40.0 x 170.0): 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

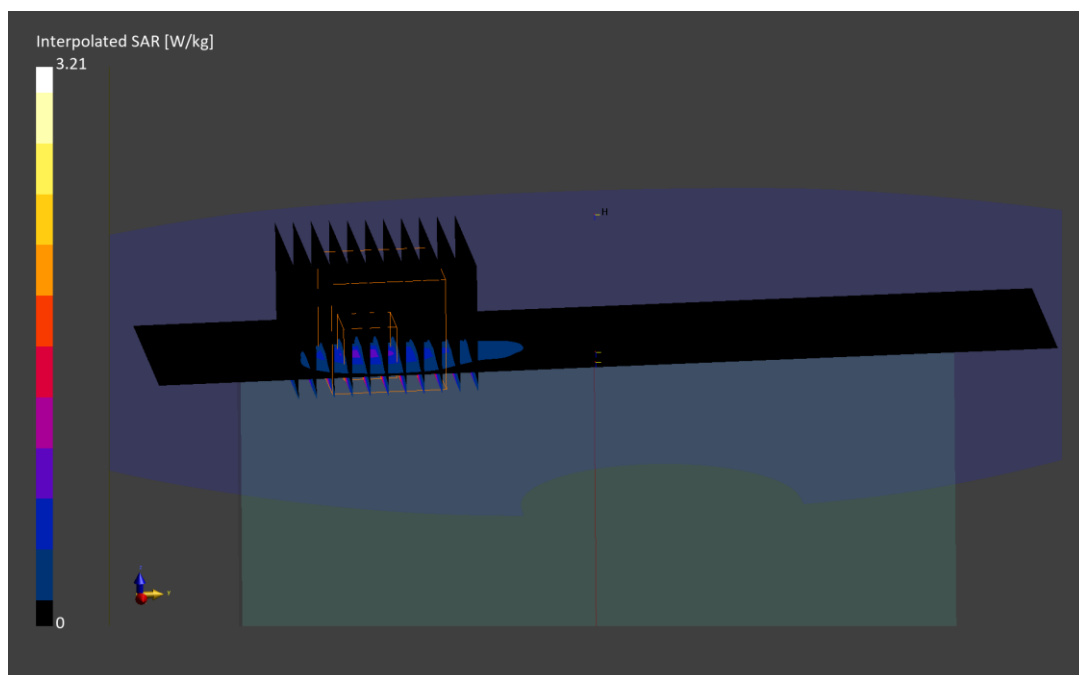
Reference Value = 1.04 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 3.21 W/kg

SAR(1 g) = 0.664 W/kg; APD(4cm²) = 4.75 W/m²

Smallest distance from peaks to all points 3 dB below is 6.2 mm

Ratio of SAR at M2 to SAR at M1 = 47.4 %



ELEMENT

DUT: BCGA2993; Type: Tablet Device; Serial: FPMT2

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2402.0$ MHz; $\text{cond} = 1.72$ S/m; $\text{perm} = 40.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/26/2024; Ambient Temp: 22.5°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7682; ConvF:(7.87,7.72,8.18); Calibrated: 2024-05-13

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

Electronics: DAE4 Sn1683; Calibrated: 2024-05-08

Phantom: Twin-SAM V8.0; Serial: 1917

Measurement SW: DASY Module SAR V16.2.4.2524

**Mode: 2.4 GHz Bluetooth, Antenna WF8, Variant 2,
Exp: Body| Top Edge, Ch. 0, 1 Mbps**

Area Scan (40.0 x 180.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

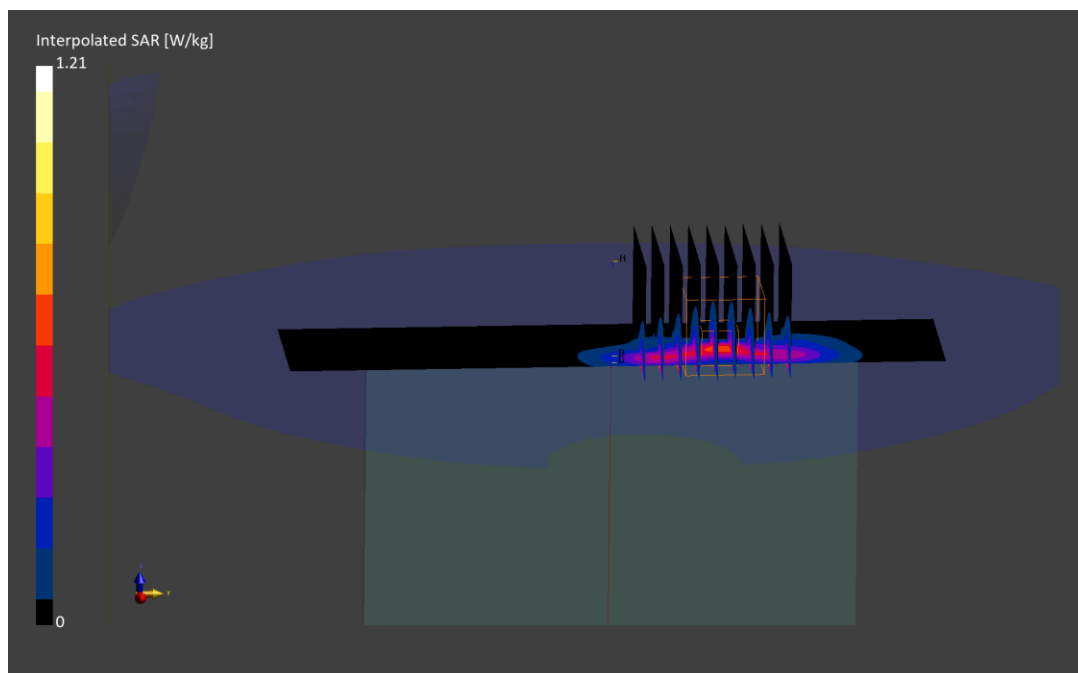
Reference Value = 0.53 W/kg; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.493 W/kg

Smallest distance from peaks to all points 3 dB below is 6.0 mm

Ratio of SAR at M2 to SAR at M1 = 75.3 %



ELEMENT

DUT: BCGA2993; Type: Tablet Device; Serial: X6FW6

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 2475.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2475.0$ MHz; $\text{cond} = 1.91$ S/m; $\text{perm} = 38.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 05/22/2024; Ambient Temp: 21.0°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7638; ConvF:(7.38,7.72,7.8); Calibrated: 2024-03-11

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

Electronics: DAE4 Sn1408; Calibrated: 2024-03-06

Phantom: Twin-SAM V8.0; Serial: 1935

Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 802.15.4, Antenna WF8, Variant 2, Exp: Body| Top Edge, Ch. 25, 1 Mbps

Area Scan (40.0 x 180.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

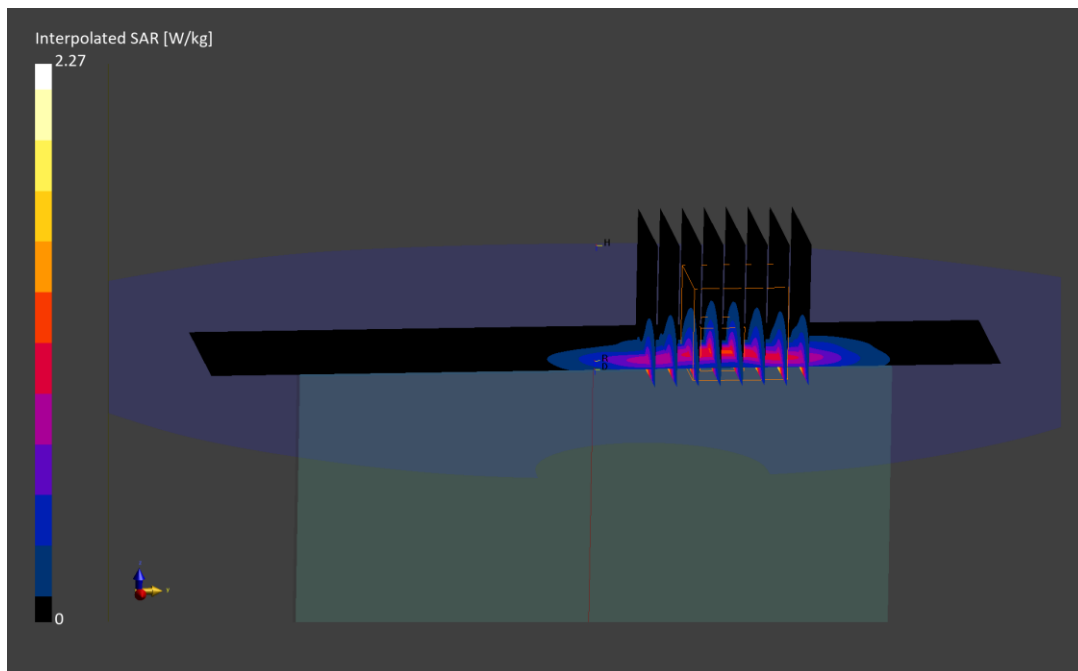
Reference Value = 1.10 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 0.899 W/kg

Smallest distance from peaks to all points 3 dB below is 7.0 mm

Ratio of SAR at M2 to SAR at M1 = 74.3 %



ELEMENT

DUT: BCGA2993; Type: Tablet Device; Serial: X6FW6

Communication System: UID:10032 - CAA, CW; MAIA: Y; Frequency: 5844.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5844.0 MHz; cond = 5.20 S/m; perm = 33.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/27/2024; Ambient Temp: 20.8°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7427; ConvF:(4.04,4.57,4.63); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

**Mode: NB U-NII 3, Antenna WF5T, Variant 2,
Exp: Body| Right Edge, Ch. High, 1 Mbps**

Area Scan (40.0 x 240.0): 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

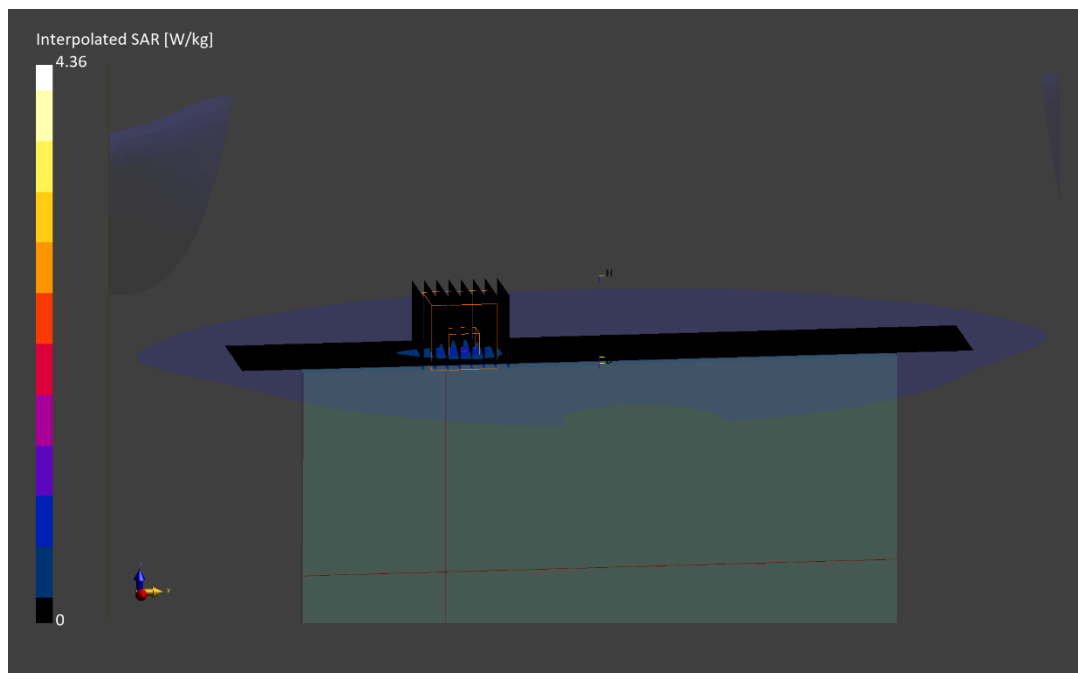
Reference Value = 0.50 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.36 W/kg

SAR(1 g) = 0.886 W/kg

Smallest distance from peaks to all points 3 dB below is 5.6 mm

Ratio of SAR at M2 to SAR at M1 = 56.6 %



ELEMENT

DUT: BCGA2993; Type: Tablet Device; Serial: VXP7G

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

Medium: 13 Head; Medium parameters used:

f = 13.6 MHz; cond = 0.722 S/m; perm = 52.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 6/22/2024; Ambient Temp: 21.0°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3746; ConvF:(16.19,16.19,16.19); Calibrated: 2023-10-16

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1237; Calibrated: 2023-10-18

Phantom: ELI V6.0; Serial: 2003

Measurement SW: DASY Module SAR V16.2.4.2524

Mode: wPT, Body SAR, Back Side

Area Scan (180.0 x 240.0): 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

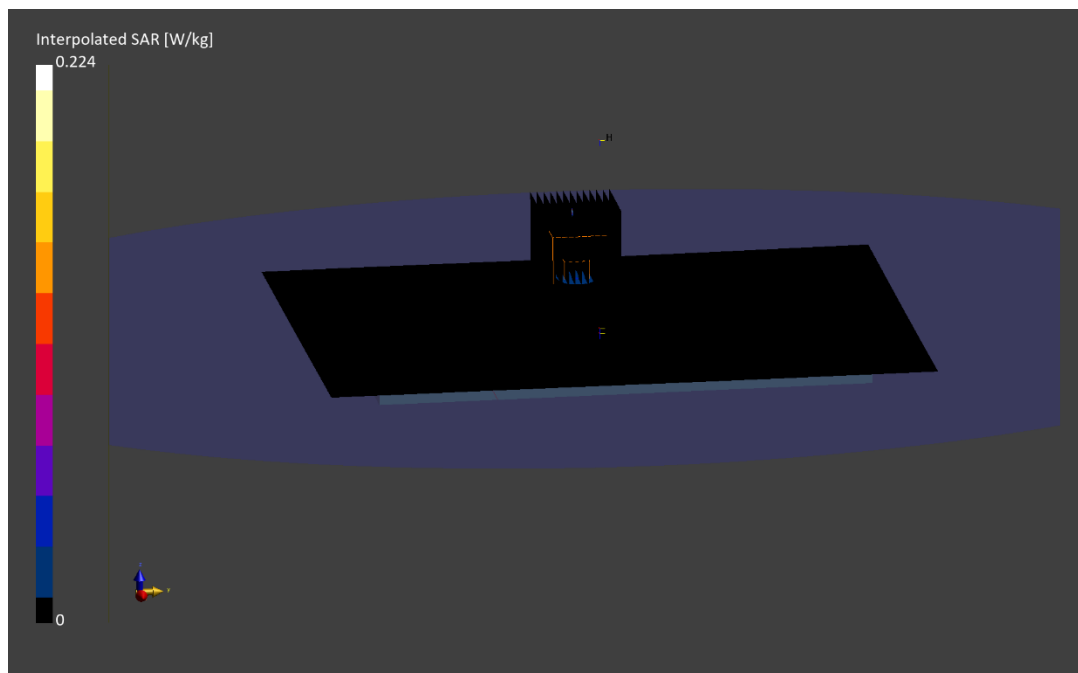
Reference Value = 0.01 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.023 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 %



ELEMENT

Date: 06/12/2024

Antenna WF5T; Variant 1; Channel 207; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2993	7X2QW	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE RIGHT	2.00	207	10755	6985.0

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]	60.0 x 60.0
Grid Steps [lambda]	0.041 x 0.041
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
pS _{tot} avg [W/m ²]	4.11
pS _n avg [W/m ²]	3.65
E _{peak} [V/m]	62.0
Power Drift [dB]	-0.03

