

APPENDIX A: SAR TEST DATA

ELEMENT

DUT: BCGA3266; Type: Portable Tablet; Serial: N6799

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

Medium: 2450 Head; Medium parameters used:

$f = 2462.0$ MHz; $\text{cond} = 1.81$ S/m; $\text{perm} = 38.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/26/2024; Ambient Temp: 21.5°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7639; ConvF:(7.43,7.55,8.26); Calibrated: 2024-09-09

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

Electronics: DAE4 Sn1403; Calibrated: 2024-09-04

Phantom: Twin-SAM V8.0; Serial: 1357

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, Antenna WF7b, Variant 1,
22 MHz Bandwidth, Exp: Body| Top Edge, Ch. 11, 1Mbps**

Area Scan (40.0 x 220.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

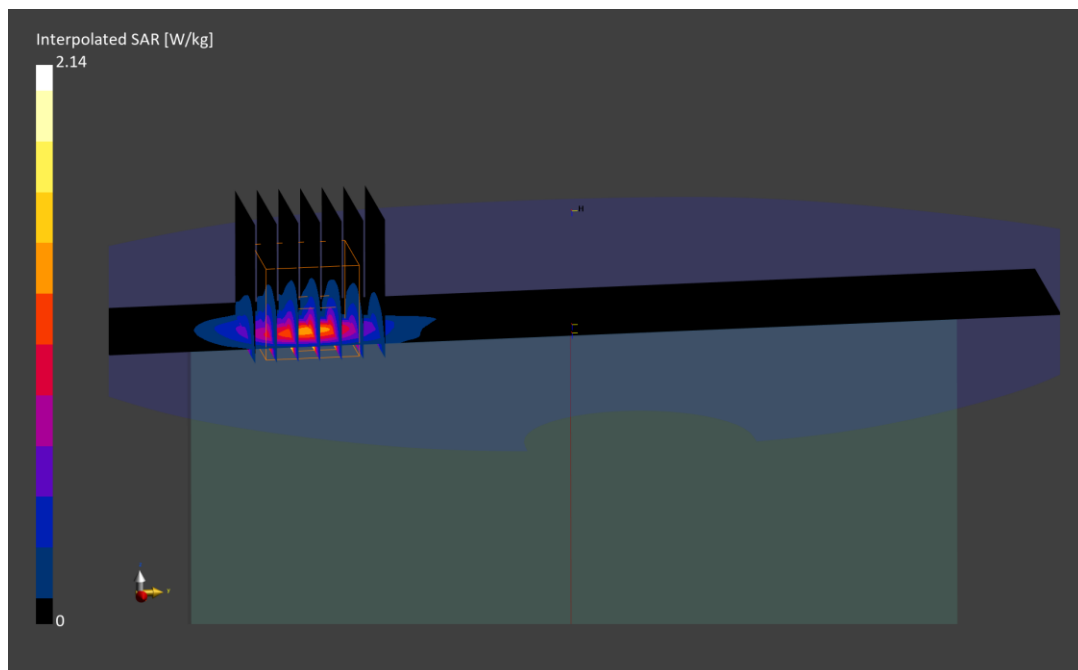
Reference Value = 0.03 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.14 W/kg

SAR(1 g) = 0.959 W/kg

Smallest distance from peaks to all points 3 dB below is 7.9 mm

Ratio of SAR at M2 to SAR at M1 = 79.2 %



ELEMENT

DUT: BCGA3266; Type: Portable Tablet; Serial: QMQJ6

Communication System: UID:10117 - CAE, WLAN; MAIA: Y; Frequency: 5270.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5270.0 MHz; cond = 4.82 S/m; perm = 34.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/10/2024; Ambient Temp: 20.1°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7427; ConvF:(4.73,5.26,5.35); 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 V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11n, Antenna MIMO Ant WF8 & Ant WF7a, Variant 1,
40 MHz Bandwidth, U-NII-2A, Exp: Body| Top Edge, Ch. 54, 27 Mbps**

Area Scan (40.0 x 220.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (28.0 x 28.0 x 22.9): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

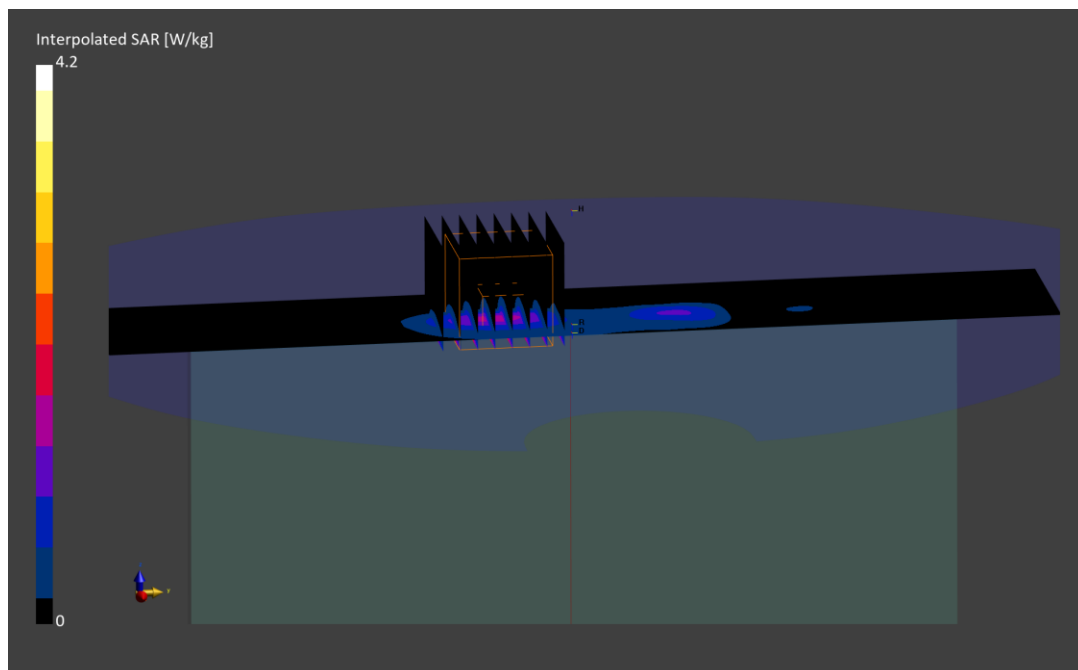
Reference Value = 0.70 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.19 W/kg

SAR(1 g) = 1.08 W/kg

Smallest distance from peaks to all points 3 dB below is 6.4 mm

Ratio of SAR at M2 to SAR at M1 = 61.8 %



ELEMENT

DUT: BCGA3266; Type: Portable Tablet; Serial: 4PYLJ

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

Medium: 6000 Head; Medium parameters used:

f = 6665.0 MHz; cond = 6.22 S/m; perm = 33.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/27/2024; Ambient Temp: 22.1°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3949; ConvF:(5.23,5.7,5.57); Calibrated: 2024-09-09

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

Electronics: DAE4 Sn1684; Calibrated: 2024-09-04

Phantom: Twin-SAM V4.0; Serial: 1275

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 6 GHz WIFI/ IEEE 802.11ax, Antenna WF7a, Variant 1, 160 MHz Bandwidth,
U-NII-7, Exp: Body| Top Edge, Ch. 143, 68.1 Mbps**

Area Scan (40.0 x 221.0): Measurement grid: dx=5.0 mm, dy=8.5 mm

Zoom Scan (37.4 x 30.6 x 22.9): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

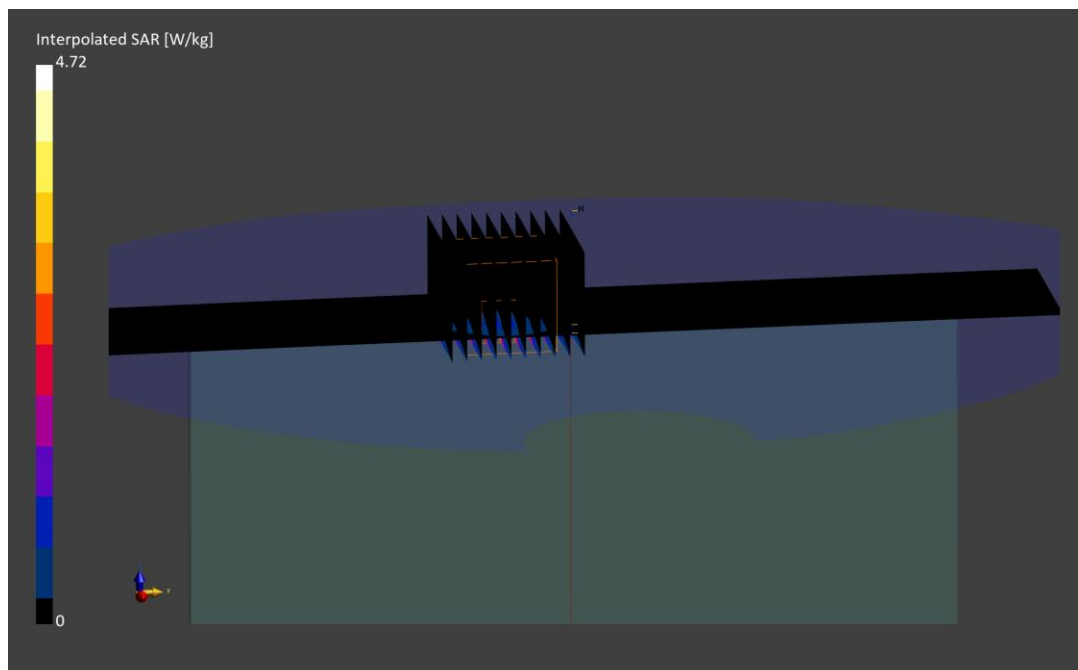
Reference Value = 0.99 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 4.72 W/kg

SAR(1 g) = 0.868 W/kg; APD(4cm²) = 5.64 W/m²

Smallest distance from peaks to all points 3 dB below is 5.5 mm

Ratio of SAR at M2 to SAR at M1 = 49.3 %



ELEMENT

DUT: BCGA3266; Type: Portable Tablet; Serial: 61FW0

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

Medium: 2450 Head; Medium parameters used:

$f = 2480.0$ MHz; $\text{cond} = 1.89$ S/m; $\text{perm} = 38.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 11/19/2024; Ambient Temp: 21.4°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7639; ConvF:(7.43,7.55,8.26); Calibrated: 2024-09-09

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

Electronics: DAE4 Sn1403; Calibrated: 2024-09-04

Phantom: Twin-SAM V8.0; Serial: 1357

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 2.4 GHz Bluetooth, Antenna WF8, Variant 2, Exp: Body| Top Edge, Ch. 78, 1 Mbps

Area Scan (40.0 x 220.0): Measurement grid: $\text{dx}=10.0$ mm, $\text{dy}=10.0$ mm

Zoom Scan (32.0 x 32.0 x 33.4): Measurement grid: $\text{dx}=4.0$ mm, $\text{dy}=4.0$ mm, $\text{dz}=1.4$ mm; Graded Ratio: 1.4

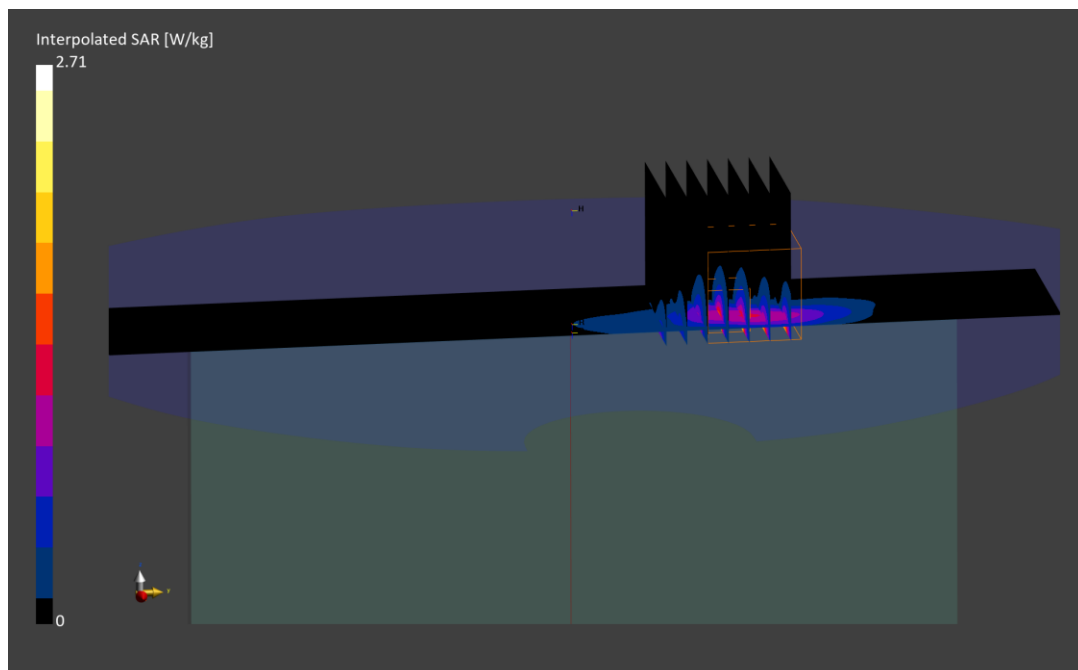
Reference Value = 0.09 W/kg; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.71 W/kg

SAR(1 g) = 0.991 W/kg

Smallest distance from peaks to all points 3 dB below is 5.8 mm

Ratio of SAR at M2 to SAR at M1 = 75.9 %



ELEMENT

DUT: BCGA3266; Type: Portable Tablet; Serial: M06GF

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

Medium: 2450 Head; Medium parameters used:

$f = 2475.0$ MHz; $\text{cond} = 1.88$ S/m; $\text{perm} = 38.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 11/03/2024; Ambient Temp: 22.8°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7639; ConvF:(7.43,7.55,8.26); Calibrated: 2024-09-09

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

Electronics: DAE4 Sn1403; Calibrated: 2024-09-04

Phantom: Twin-SAM V8.0; Serial: 1357

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 802.15.4, Antenna WF8, 22 MHz Bandwidth, Variant 1,

Exp: Body| Top Edge, Ch. 25, 1 Mbps

Area Scan (48.0 x 220.0): Measurement grid: $dx=8.0$ mm, $dy=10.0$ mm

Zoom Scan (38.0 x 38.0 x 33.4): Measurement grid: $dx=3.8$ mm, $dy=3.8$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

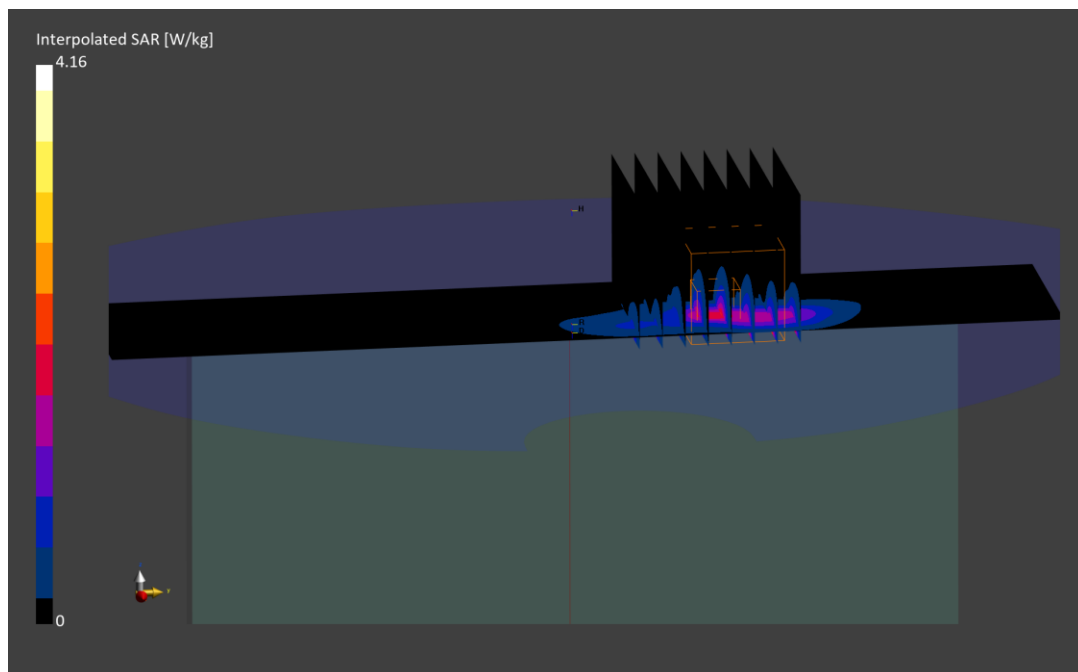
Reference Value = 2.94 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.16 W/kg

SAR(1 g) = 1.48 W/kg

Smallest distance from peaks to all points 3 dB below is 5.1 mm

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



ELEMENT

DUT: BCGA3266; Type: Portable Tablet; Serial: JV4NH

Communication System: UID:10032 - CAA, CW; MAIA: Y; Frequency: 5789.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5789.0 MHz; cond = 5.20 S/m; perm = 33.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 10/30/2024; Ambient Temp: 21.3°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7427; ConvF:(4.35,4.78,4.93); 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 V16.4.0.5005

**Mode: NB U-NII 3, Antenna WF7a, Variant 2,
Exp: Body| Top Edge, Ch. Mid, 1 Mbps**

Area Scan (40.0 x 220.0): Measurement grid: dx=5.0 mm, dy=10.0 mm

Zoom Scan (36.0 x 32.0 x 22.9): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

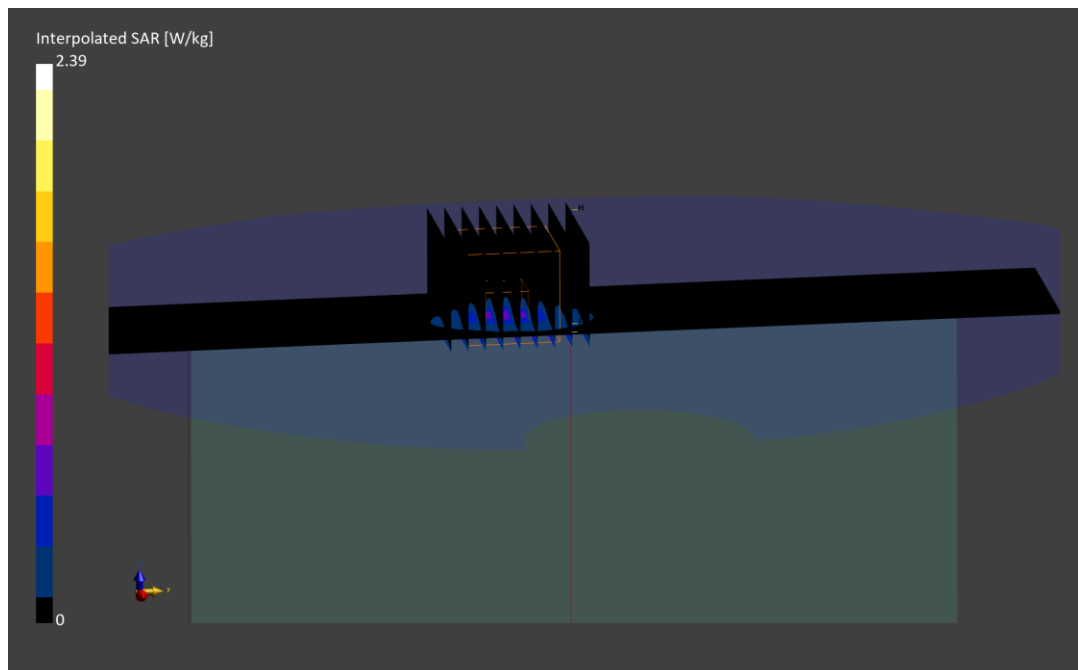
Reference Value = 0.30 W/kg; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.39 W/kg

SAR(1 g) = 0.526 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 = 57.2 %



ELEMENT

DUT: BCGA3266; Type: Portable Tablet; Serial: PMQP5

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

Medium: 30 Head; Medium parameters used:

$f = 13.6$ MHz; $\text{cond} = 0.745$ S/m; $\text{perm} = 52.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/11/2024; Ambient Temp: 21.9°C; Tissue Temp: 24.0°C

Probe: EX3DV4 - SN7308; ConvF:(16.59,16.59,16.59); Calibrated: 2024-02-09

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn534; Calibrated: 2024-03-06

Phantom: ELI V6.0; Serial: 2003

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: wPT, Body SAR, Back Side

Area Scan (210.0 x 300.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

Zoom Scan (33.8 x 33.8 x 31.2): Measurement grid: $dx=2.6$ mm, $dy=2.6$ mm, $dz=1.2$ mm; Graded Ratio: 1.2

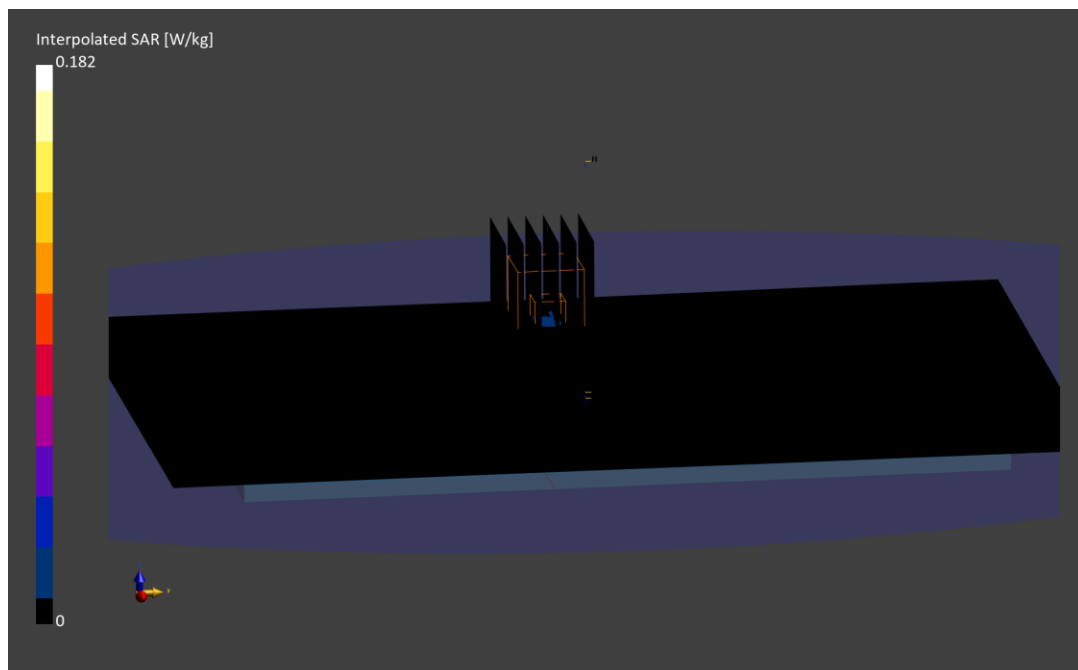
Reference Value = 0.01 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.024 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 = 51.3 %



Date: 01/02/2024

Antenna WF8; Variant 1: Channel 143; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA3266	QMQJ6	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	EDGE TOP	2.00	143	10755	6665.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 – SN9487, 04/08/2024	DAE4 – SN1333, 10/09/2024

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 [cm²]	4.00
pS _{tot} avg [W/m²]	4.38
pS _n avg [W/m²]	3.97
E _{peak} [V/m]	57.1
Power Drift [dB]	0.11

