

APPENDIX A: SAR TEST DATA

ELEMENT

DUT: BCGA2898; Type: Tablet Device; Serial: QGX1M2P2YH

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

Medium: 2450 Head; Medium parameters used:

$f = 2462.0$ MHz; $\text{cond} = 1.73$ S/m; $\text{perm} = 40.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/11/2023; Ambient Temp: 20.0°C; Tissue Temp: 19.5°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 WF7b, Variant 2
22 MHz Bandwidth, Exp: Body SAR| Top Edge, Ch. 11, 1Mbps

Area Scan (40.0 x 260.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.8$ mm, $dy=4.8$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

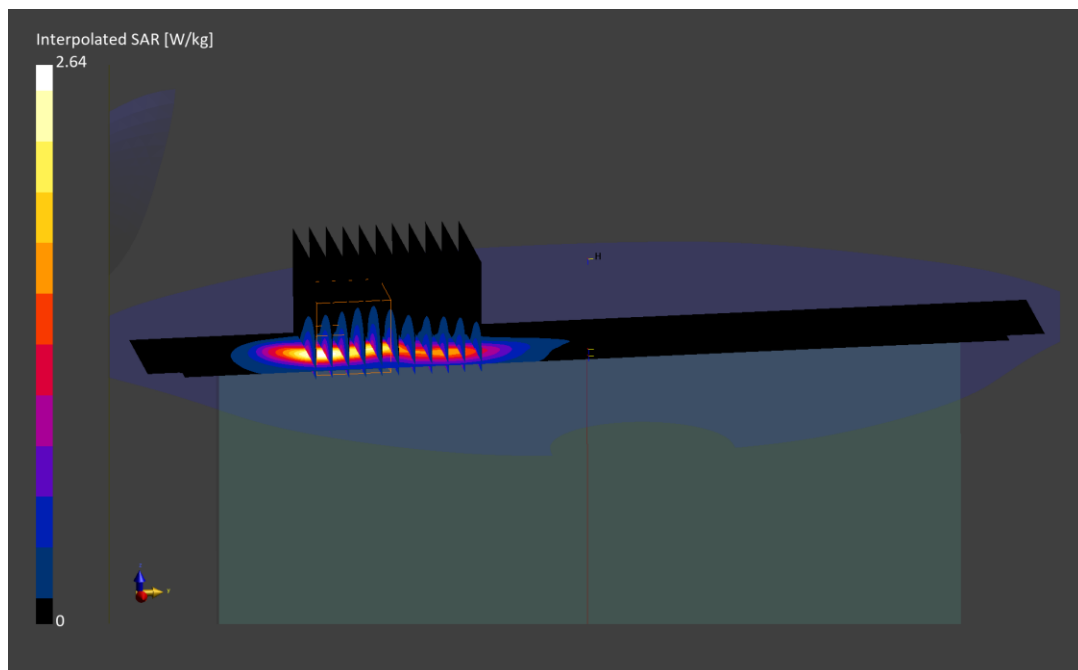
Reference Value = 1.20 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.64 W/kg

SAR(1 g) = 1.04 W/kg

Smallest distance from peaks to all points 3 dB below is 7.4 mm

Ratio of SAR at M2 to SAR at M1 = 74.1 %



ELEMENT

DUT: BCGA2898; Type: Tablet Device; Serial: X06N2R77QM

Communication System: UID:10544 - AAC, WLAN; MAIA: Y; Frequency: 5290.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5290.0 MHz; cond = 4.54 S/m; perm = 36.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/20/2023; Ambient Temp: 19.6°C; Tissue Temp: 19.1°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 WF7a, Variant 2
80 MHz Bandwidth, U-NII-2A, Exp: Body SAR| Top Edge, Ch. 58, 29.3 Mbps

Area Scan (40.0 x 260.0): 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

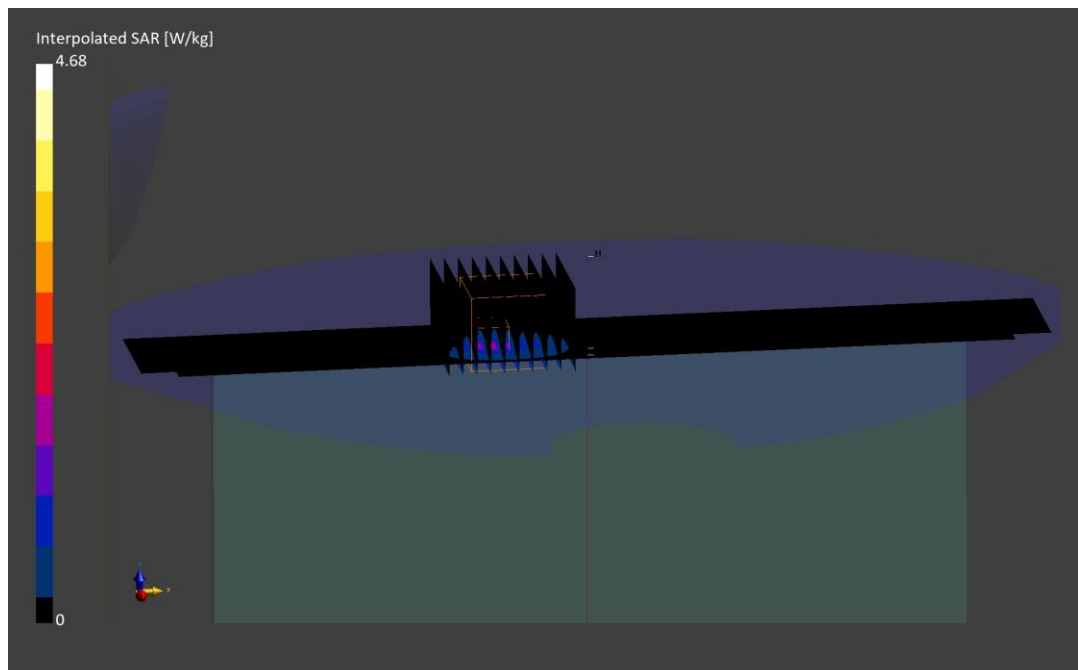
Reference Value = 0.92 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.68 W/kg

SAR(1 g) = 1.08 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 = 62.6 %



ELEMENT

DUT: BCGA2898; Type: Tablet Device; Serial: VMC236QV6G

Communication System: UID:10755 - AAC, WLAN; MAIA: Y; Frequency: 6985.0 MHz

Medium: 6000 Head; Medium parameters used:

$f = 6985.0$ MHz; $\text{cond} = 6.71$ S/m; $\text{perm} = 34.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/15/2023; Ambient Temp: 21.3°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7682; ConvF:(5.5,5.5,5.5); Calibrated: 2023-05-11

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

Electronics: DAE4 Sn1683; Calibrated: 2023-05-11

Phantom: Twin-SAM V4.0; Serial: 1598

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: 6 GHz WIFI/ IEEE 802.11ax, Antenna WF2a, Variant 2,
160 MHz Bandwidth, U-NII-8, Exp: Body SAR| Bottom Edge, Ch. 207, 68.1 Mbps**

Area Scan (40.0 x 255.0): 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

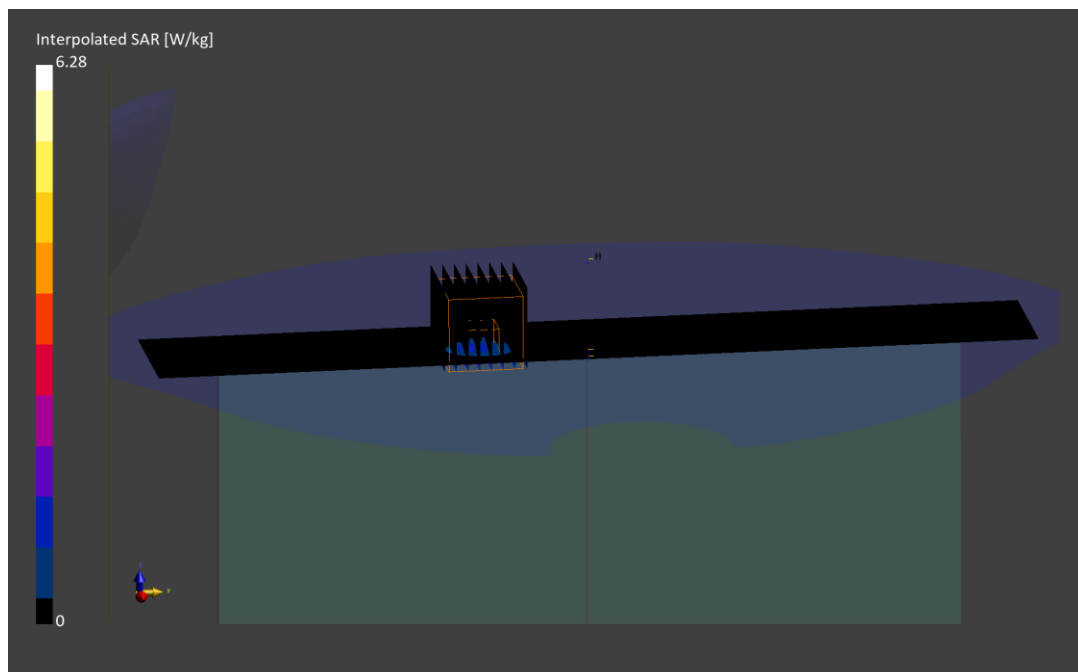
Reference Value = 1.00 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 6.28 W/kg

SAR(1 g) = 1.07 W/kg; APD(4cm²) = 6.37 W/m²

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

Ratio of SAR at M2 to SAR at M1 = 48.5 %



ELEMENT

DUT: BCGA2898; Type: Tablet Device; Serial: QGX1M2P2YH

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

Medium: 2450 Head; Medium parameters used:

$f = 2480.0$ MHz; $\text{cond} = 1.75$ S/m; $\text{perm} = 40.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/11/2023; Ambient Temp: 20.0°C; Tissue Temp: 19.5°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 WF7b, Variant 2

Exp: Body SAR| Top Edge, Ch. 78, 1 Mbps

Area Scan (40.0 x 260.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.6$ mm, $dy=4.6$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

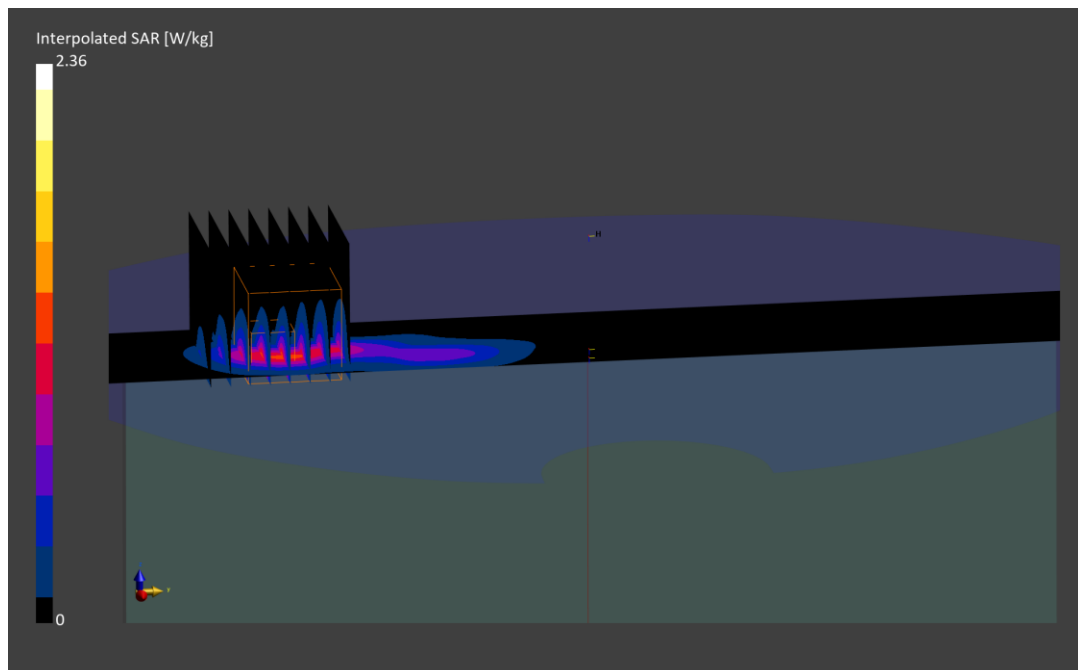
Reference Value = 1.06 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.36 W/kg

SAR(1 g) = 0.927 W/kg

Smallest distance from peaks to all points 3 dB below is 7.1 mm

Ratio of SAR at M2 to SAR at M1 = 75.7 %



ELEMENT

DUT: BCGA2898; Type: Tablet Device; Serial: V6JK7C4WQG

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

Medium: 2450 Head; Medium parameters used:

$f = 2475.0$ MHz; $\text{cond} = 1.76$ S/m; $\text{perm} = 39.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/13/2023; Ambient Temp: 20.3°C; Tissue Temp: 19.7°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: 802.15.4, Antenna WF7b, Variant 1

Exp: Body SAR| Top Edge, Ch. 25, 0.25 Mbps

Area Scan (40.0 x 260.0): 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

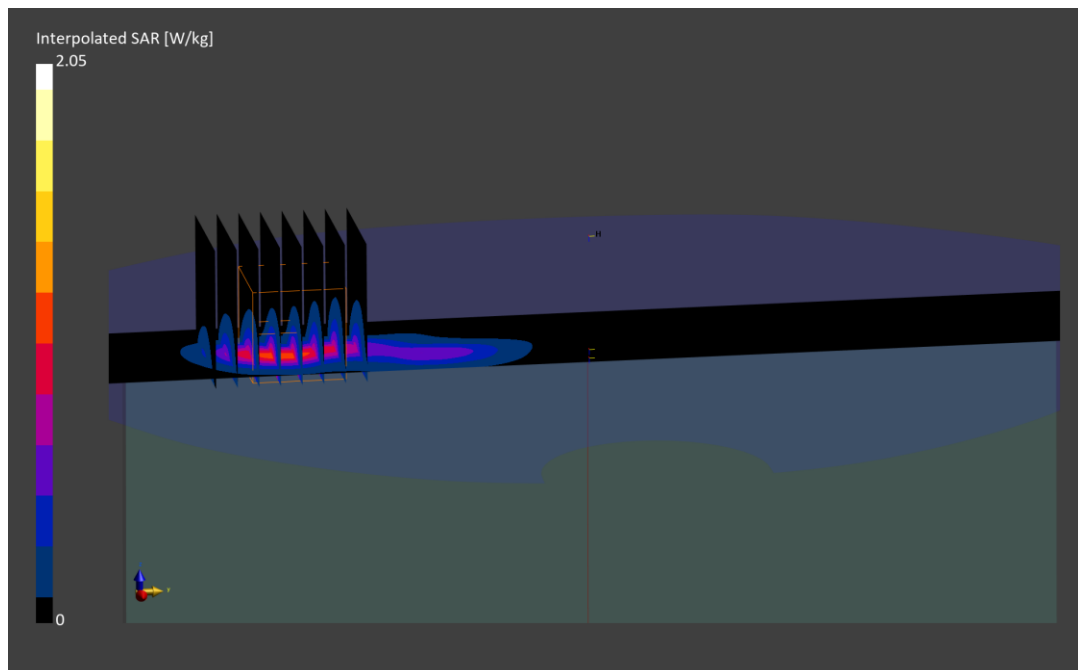
Reference Value = 0.95 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 0.798 W/kg

Smallest distance from peaks to all points 3 dB below is 6.8 mm

Ratio of SAR at M2 to SAR at M1 = 73.9 %



ELEMENT

DUT: BCGA2898; Type: Tablet Device; Serial: MR7XTL9LQW

Communication System: UID:10032 - CAA, CW; MAIA: Y; Frequency: 5789.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5789.0$ MHz; $\text{cond} = 5.09$ S/m; $\text{perm} = 34.0$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/14/2023; Ambient Temp: 20.4°C; Tissue Temp: 19.3°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 WF2a, Variant 2
Exp: Body SAR| Bottom Edge, Ch. Mid, 1 Mbps

Area Scan (40.0 x 260.0): Measurement grid: $\text{dx}=5.0$ mm, $\text{dy}=10.0$ mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: $\text{dx}=4.0$ mm, $\text{dy}=4.0$ mm, $\text{dz}=1.4$ mm; Graded Ratio: 1.4

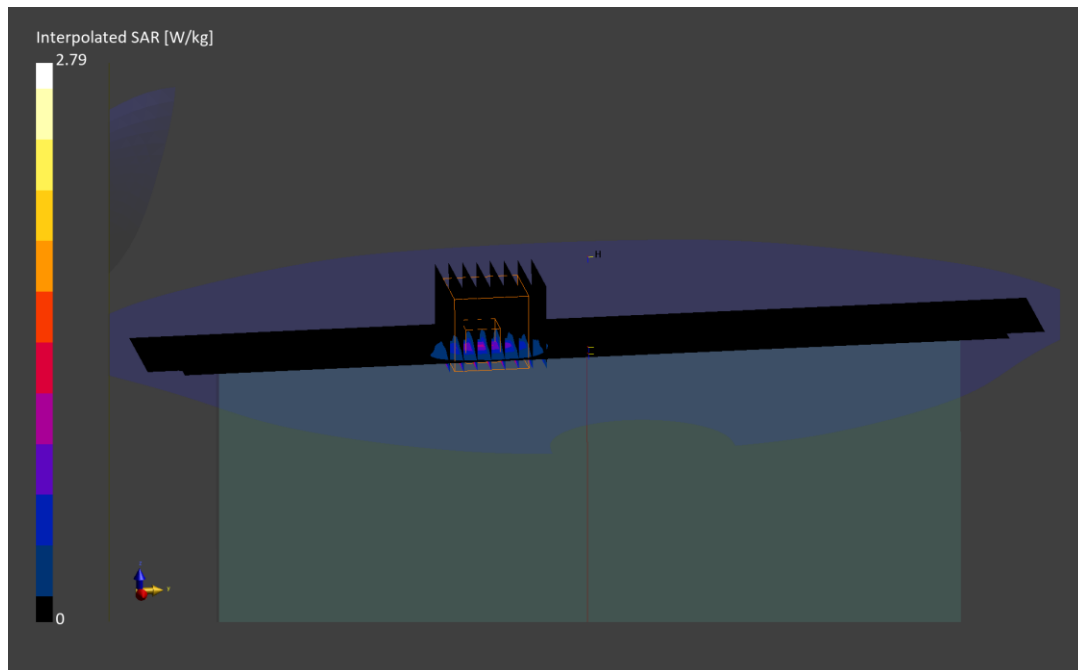
Reference Value = 0.56 W/kg; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.79 W/kg

SAR(1 g) = 0.679 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 = 60.3 %



ELEMENT

DUT: BCGA2898; Type: Tablet Device; Serial: MR7XTL9LQW

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

Medium: 30 Head; Medium parameters used:

$f = 13.6$ MHz; $\text{cond} = 0.725$ S/m; $\text{perm} = 53.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 01/02/2024; Ambient Temp: 21.2°C; Tissue Temp: 20.8°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

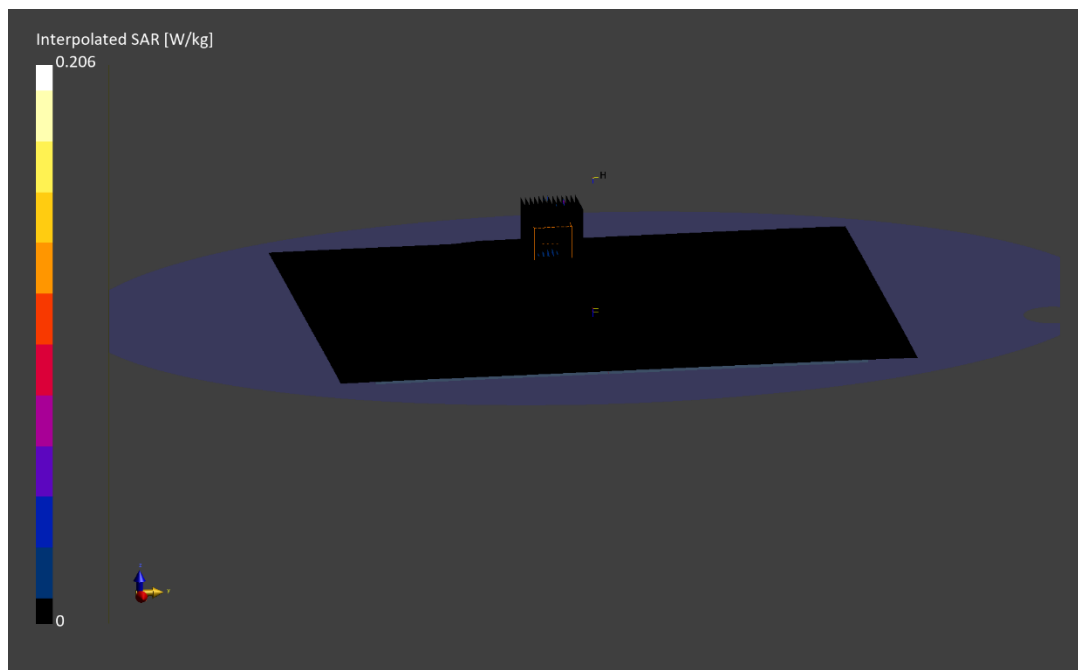
Reference Value = 0.01 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.206 W/kg

SAR(1 g) = 0.030 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 = 53.4 %



Date: 12/28/2023

Antenna WF2a; Variant 2; Channel 15; 802.11ax

Device Under Test Properties

DUT	Serial Number	DUT Type
BCGA2898	W75G607LX7	Tablet Device

Exposure Conditions

Phantom Section	Position	Test Distance	Channel	Group, UID	Frequency
5G	BOTTOM	2.00	15	WAN, 10755-AAC	6025

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV4 – SN9523_F1–55GHz, 2023–01–16	DAE4 Sn793, 2023–10–18

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]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm ²]	4.00
psPDn+ [W/m ²]	3.30
psPDtot+ [W/m ²]	3.54
psPDmod+ [W/m ²]	4.26
Power Drift [dBm]	0.03

