

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: BCGA2759; Type: Portable Tablet; Serial: D52G3R42LM

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

Medium: 2450 Head; Medium parameters used:

f = 2462.0 MHz; cond = 1.78 S/m; perm = 39.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/17/2022; Ambient Temp: 20.8°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN3837; ConvF:(7.21,7.21,7.21); Calibrated: 2022-01-19

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

Electronics: DAE4 Sn793; Calibrated: 2022-01-13

Phantom: Twin-SAM V8.0; Serial: 2034

Measurement SW: DASY Module SAR V16.0.2.136

Mode: IEEE 802.11b, 22 MHz Bandwidth, Antenna WF8, Variant 1
Back Side, Body SAR, Ch. 11, 1 Mbps

Area Scan (220.0 x 280.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=3.2 mm, dy=3.2 mm, dz=1.5 mm; Graded Ratio: 1.5

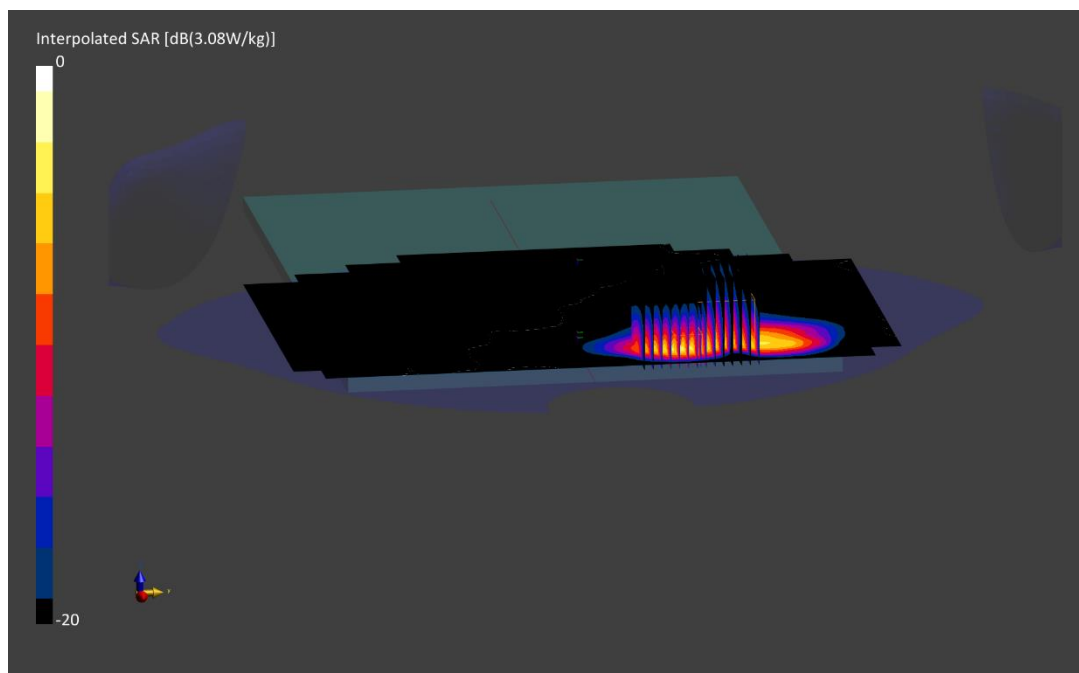
Reference Value = 0.83 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.84 W/kg

SAR(1 g) 0.848 W/kg; SAR(10 g) 0.381 W/kg

Smallest distance from peaks to all points 3 dB below is 3.8 mm

Ratio of SAR at M2 to SAR at M1 = 71.0 %



ELEMENT

DUT: BCGA2759; Type: Portable Tablet; Serial: D52G3R42LM

Communication System: UID:10544 - AAC, WLAN; MAIA: Y; Frequency: 5690.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

f = 5690.0 MHz; cond = 5.04 S/m; perm = 34.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/30/2022; Ambient Temp: 24.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7638; ConvF:(5.18,5.18,5.18); Calibrated: 2022-03-22

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

Electronics: DAE4 Sn1408; Calibrated: 2022-03-21

Phantom: Twin-SAM V8.0; Serial: 2027

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: IEEE 801.11ac, 80 MHz Bandwidth, UNII-2C, Antenna WF5B, Variant 1,
Right Edge, Body SAR, Ch. 138, 29.3 Mbps**

Area Scan (40.0 x 280.0): 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

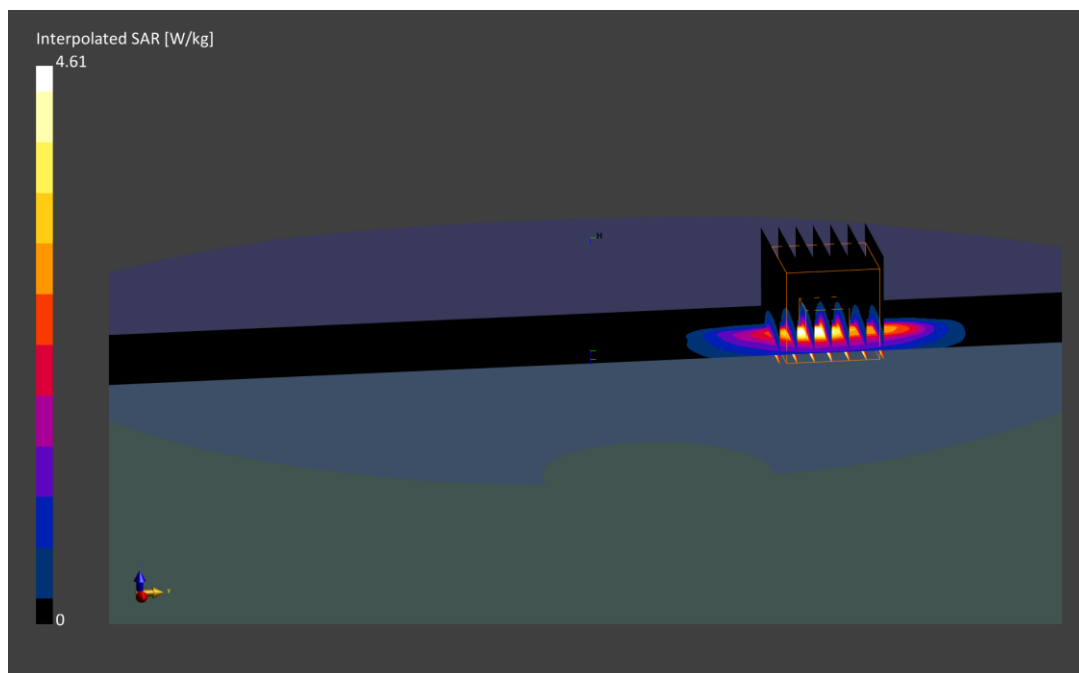
Reference Value = 0.90 W/kg; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 4.61 W/kg

SAR(1 g) 1.030 W/kg; SAR(10 g) 0.312 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 = 61.1 %



ELEMENT

DUT: BCGA2759; Type: Portable Tablet; Serial: RHC919JY0Y

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

Medium: 2450 Head; Medium parameters used:

$f = 2402.0$ MHz; $\text{cond} = 1.79$ S/m; $\text{perm} = 39.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/20/2022; Ambient Temp: 23.9°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7427; ConvF:(7.28,7.28,7.28); Calibrated: 2022-02-22

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

Electronics: DAE4 Sn1403; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.0.2.136

Mode: Bluetooth, Antenna WF7, Variant 2
Back Side, Body SAR, Ch. 0, 1Mbps

Area Scan (220.0 x 280.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=2.5$ mm, $dy=2.5$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

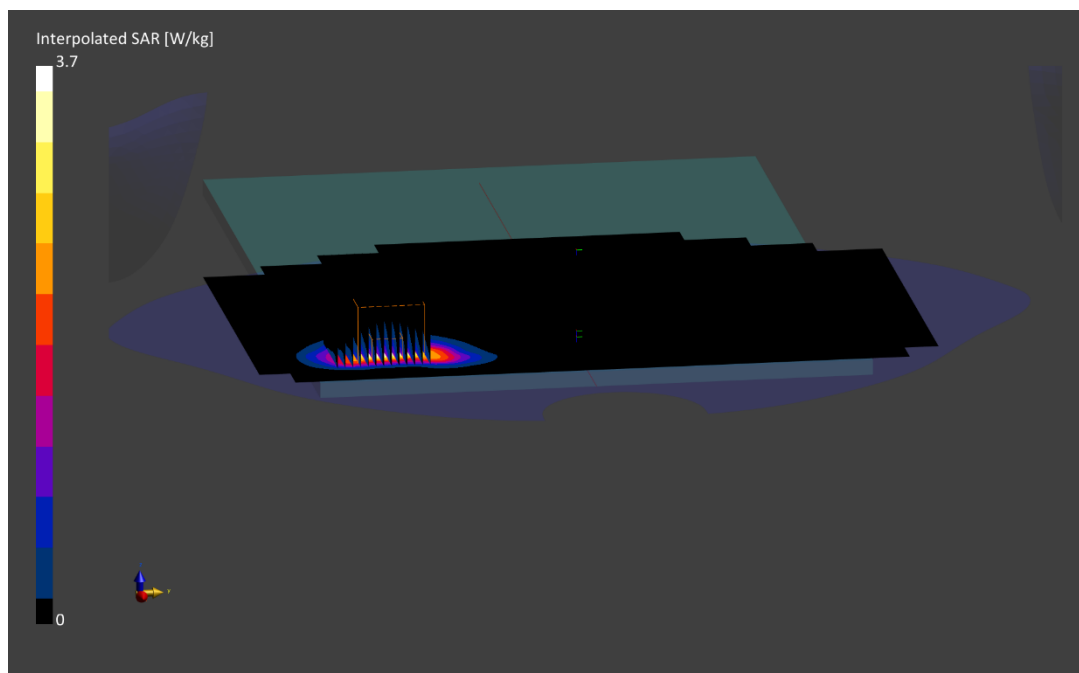
Reference Value = 0.96 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.70 W/kg

SAR(1 g) 1.070 W/kg; SAR(10 g) 0.469 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 = 57.8 %



ELEMENT

DUT: BCGA2759; Type: Portable Tablet; Serial: XYKLWWL2CL

Communication System: UID:10032 - CAA, CW; MAIA: Y; Frequency: 5733.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5733.0$ MHz; $\text{cond} = 5.13$ S/m; $\text{perm} = 35.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/31/2022; Ambient Temp: 21.5°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7638; ConvF:(5.18,5.18,5.18); Calibrated: 2022-03-22

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

Electronics: DAE4 Sn1408; Calibrated: 2022-03-21

Phantom: Twin-SAM V8.0; Serial: 2027

Measurement SW: DASY Module SAR V16.0.2.136

**Mode: NB UNII 3, Antenna WF5T, Variant 2,
Right Edge Body SAR, Ch. 5733, 1Mbps,**

Area Scan (40.0 x 280.0): 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 = 0.62 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) 0.799 W/kg; SAR(10 g) 0.256 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 = 57.7 %

