

APPENDIX A: SAR TEST DATA

ELEMENT

DUT: BCGA2436; Type: Tablet Device; Serial: JYP1QGG4D2

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2412.0$ MHz; $\text{cond} = 1.74$ S/m; $\text{perm} = 39.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/08/2022; Ambient Temp: 23.1°C; Tissue Temp: 22.2°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,
Ch. 1, Body SAR, Back Side, 1 Mbps**

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

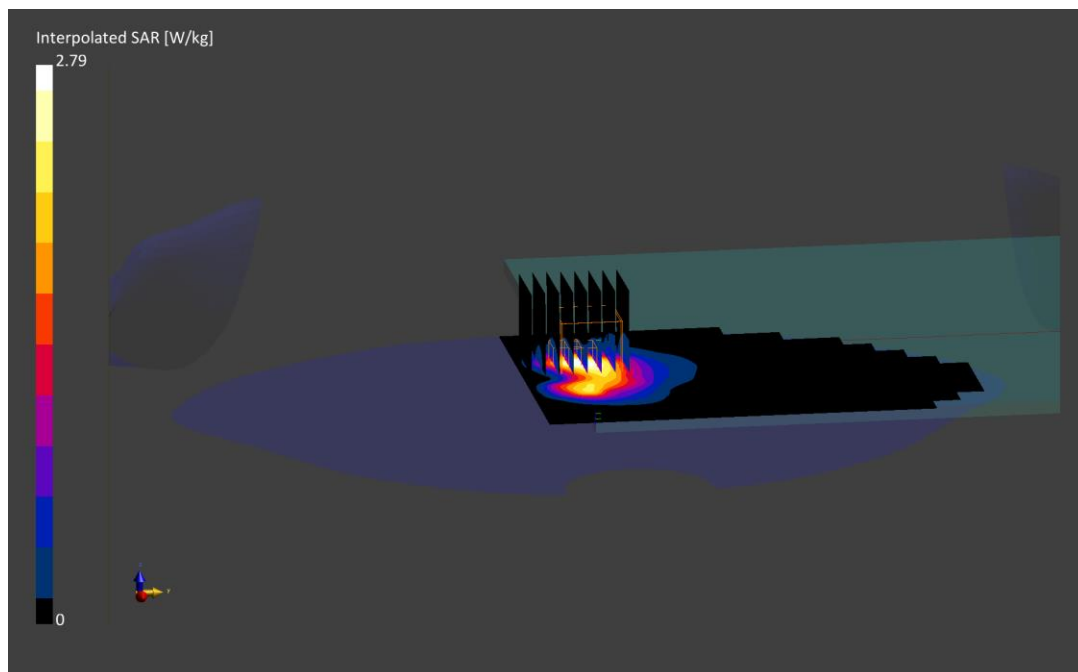
Reference Value = 0.63 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.79 W/kg

SAR(1 g) = 0.885 W/kg; SAR(10 g) = 0.435 W/kg

Smallest distance from peaks to all points 3 dB below is 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 65.6 %



ELEMENT

DUT: BCGA2436; Type: Tablet Device; Serial: YQ217J4PW0

Communication System: UID:10117 - CAD, WLAN; MAIA: Y; Frequency: 5230.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5230.0$ MHz; $\text{cond} = 4.58$ S/m; $\text{perm} = 35.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/15/2022; Ambient Temp: 21.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7638; ConvF:(5.59,5.59,5.59); 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 801.11n, 40 MHz Bandwidth, UNII-1, Antenna WF5T Variant 2,
Ch. 46, Body SAR, Right Edge, 13.5 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: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

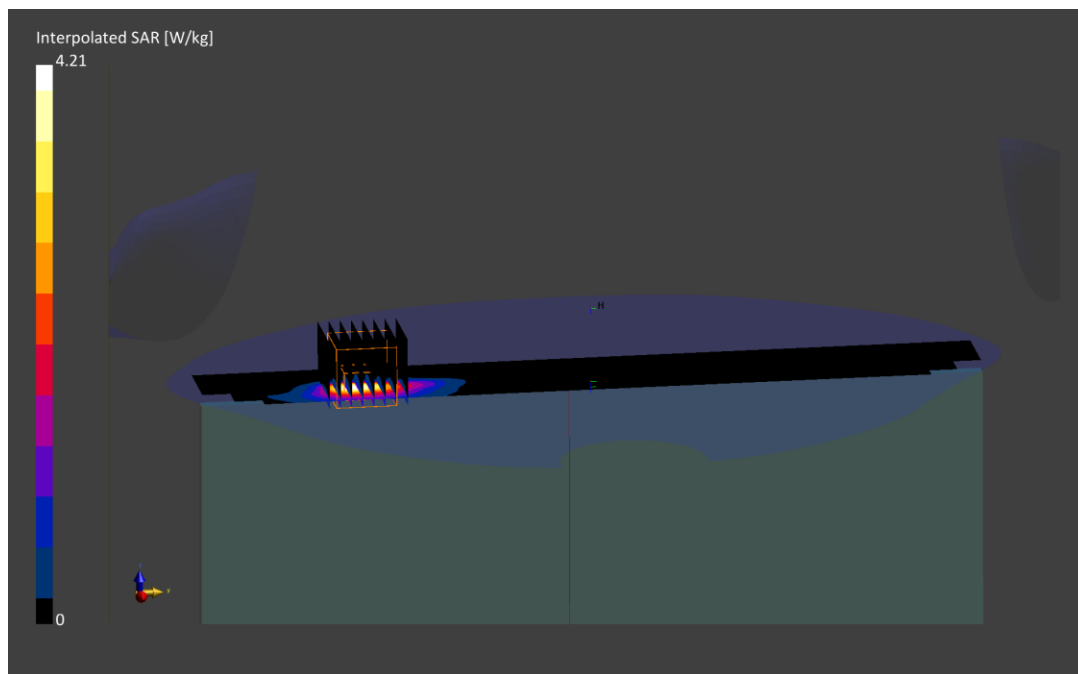
Reference Value = 0.88 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.21 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.327 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 = 62.7 %



ELEMENT

DUT: BCGA2436; Type: Tablet Device; Serial: JYP1QGG4D2

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2441.0$ MHz; $\text{cond} = 1.76$ S/m; $\text{perm} = 39.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/08/2022; Ambient Temp: 23.1°C; Tissue Temp: 22.2°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: Bluetooth, Antenna WF8 Variant 1,
Ch. 39, Body SAR, Back Side 1Mbps,**

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

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $dx=4.5$ mm, $dy=4.5$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

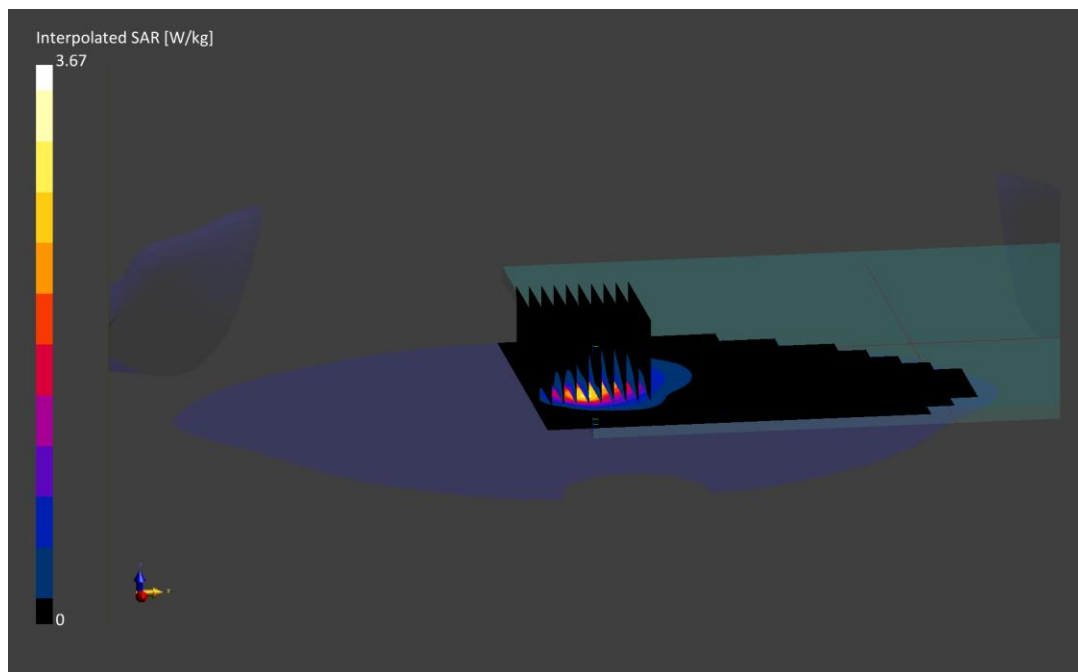
Reference Value = 0.71 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.67 W/kg

SAR(1 g) = 1.10 W/kg; SAR(10 g) = 0.527 W/kg

Smallest distance from peaks to all points 3 dB below is 6.6 mm

Ratio of SAR at M2 to SAR at M1 = 60.7 %



ELEMENT

DUT: BCGA2436; Type: Tablet Device; Serial: R6176N40F2

Communication System: UID:10032 - CAA, CW; MAIA: Y; Frequency: 5789.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5789.0$ MHz; $\text{cond} = 5.35$ S/m; $\text{perm} = 34.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 09/06/2022; Ambient Temp: 22.0°C; Tissue Temp: 21.5°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 WF5B, Variant 1 Body SAR,
Ch. Middle Channel, Right Edge, 1Mbps**

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: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Reference Value = 0.86 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 4.14 W/kg

SAR(1 g) = 0.946 W/kg; SAR(10 g) = 0.309 W/kg

Smallest distance from peaks to all points 3 dB below is 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 58.6 %

