

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: BCG-A2722; Type: Watch; Serial: CPW976DKLW

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

Medium: 2450 Head; Medium parameters used:

$f = 2412.0$ MHz; $\text{cond} = 1.76$ S/m; $\text{perm} = 40.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/06/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.1°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, Head SAR, Front side, 22 MHz Bandwidth, Ch. 1, 1 Mbps,
Aluminum, Sport Wristband**

Area Scan (80.0 x 80.0): 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

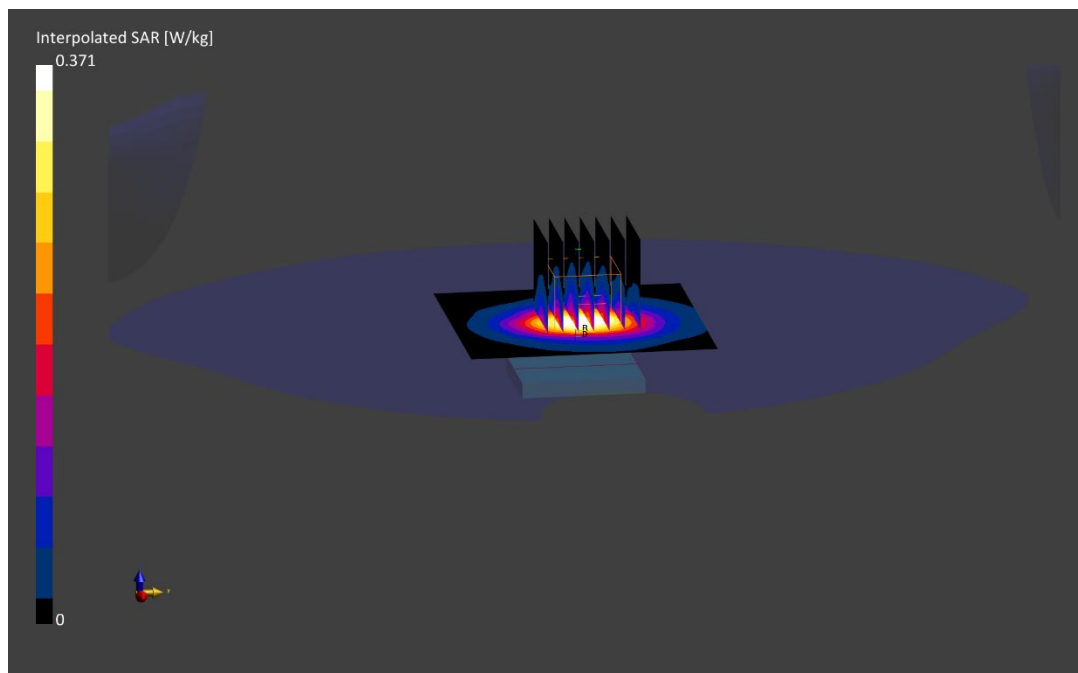
Reference Value = 0.22 W/kg; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.371 W/kg

SAR(1 g) = 0.198 W/kg

Smallest distance from peaks to all points 3 dB below is 11.2 mm

Ratio of SAR at M2 to SAR at M1 = 81.2 %



ELEMENT

DUT: BCG-A2722; Type: Watch; Serial: CPW976DKLW

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

Medium: 2450 Head; Medium parameters used:

$f = 2441.0 \text{ MHz}$; $\text{cond} = 1.78 \text{ S/m}$; $\text{perm} = 40.6$; $\text{density} = 1000 \text{ kg/m}^3$

Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/06/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.1°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, Head SAR, Ch.39, 1Mbps, Front Side,
Aluminum, Sport Wristband**

Area Scan (80.0 x 80.0): Measurement grid: $dx=10.0 \text{ mm}$, $dy=10.0 \text{ mm}$

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

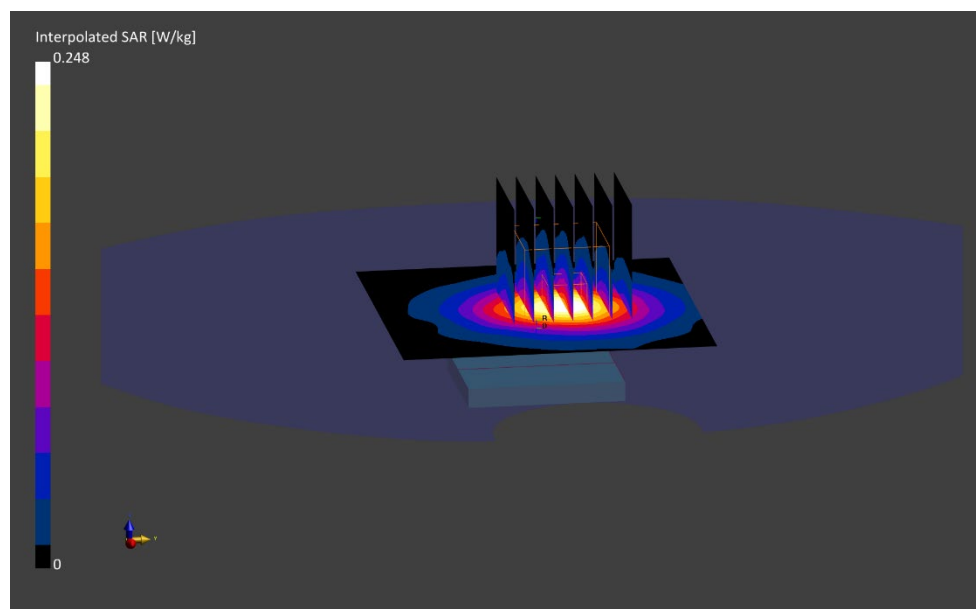
Reference Value = 0.14 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.137 W/kg

Smallest distance from peaks to all points 3 dB below is 13.9 mm

Ratio of SAR at M2 to SAR at M1 = 81.5 %



ELEMENT

DUT: BCG-A2722; Type: Watch; Serial: CPW976DKLW

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

Medium: 2450 Head; Medium parameters used:

$f = 2412.0$ MHz; $\text{cond} = 1.76$ S/m; $\text{perm} = 40.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/06/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.1°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, Extremity SAR, Back side, 22 MHz Bandwidth, Ch. 1,
1 Mbps, Aluminum, Metal Links Wristband**

Area Scan (80.0 x 80.0): 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

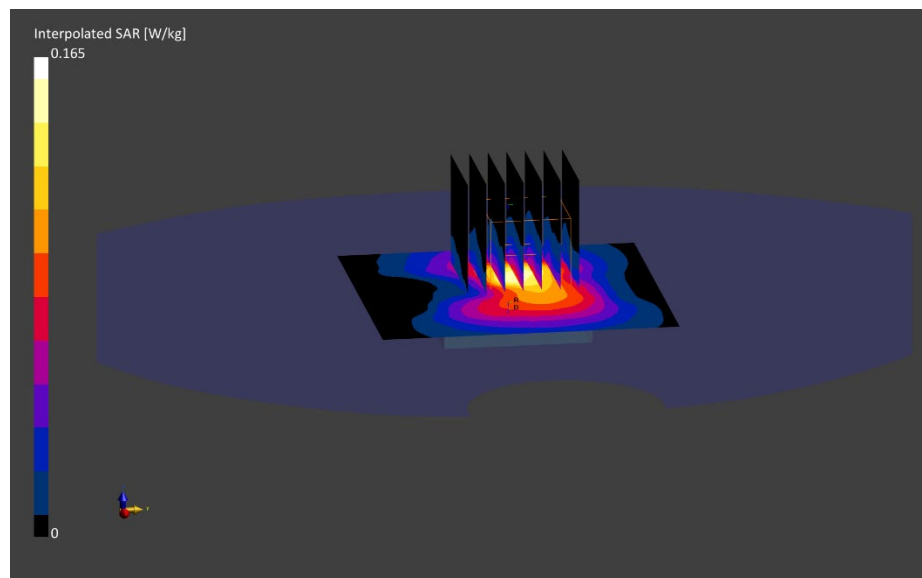
Reference Value = 0.07 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.165 W/kg

SAR(10 g) = 0.036 W/kg

Smallest distance from peaks to all points 3 dB below is 9.0 mm

Ratio of SAR at M2 to SAR at M1 = 74.8 %



ELEMENT

DUT: BCG-A2722; Type: Watch; Serial: CPW976DKLW

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

Medium: 2450 Head; Medium parameters used:

$f = 2441.0$ MHz; $\text{cond} = 1.78$ S/m; $\text{perm} = 40.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/06/2022; Ambient Temp: 21.5°C; Tissue Temp: 21.1°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, Extremity SAR, Ch.39, 1Mbps, Back Side,
Aluminum, Sport Wristband**

Area Scan (80.0 x 80.0): 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 = 0.09 W/kg; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(10 g) = 0.027 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 = 73.1 %

