

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: BCG-A3331; Type: Watch; Serial: X4TDQ

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2412.000$ MHz; $\text{cond} = 1.76$ S/m; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/18/2025; Ambient Temp: 19.9°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.98,6.91,7.1); Calibrated: 2025-04-16

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

Electronics: DAE4 Sn1323; Calibrated: 2025-04-15

Phantom: Twin-SAM V4.0; Serial: 1447

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz WIFI/ IEEE 802.11b, 22 MHz Bandwidth, Exp: Head| Front Side, Ch. 1,
1Mbps, 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 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

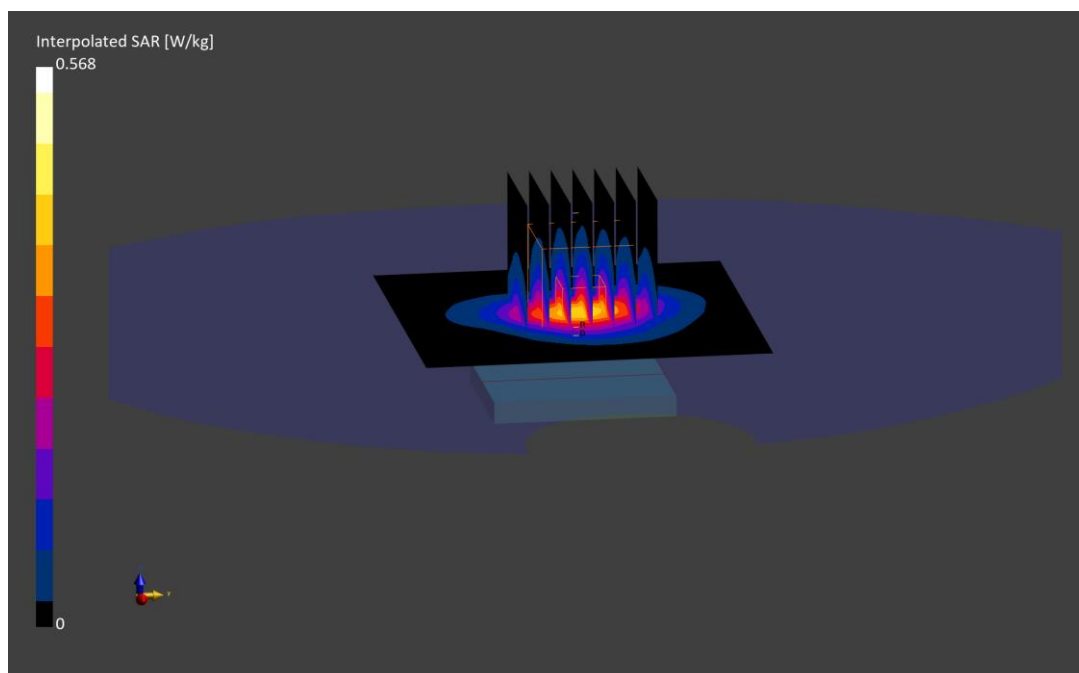
Reference Value = 0.51 W/kg; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.568 W/kg

SAR(1 g) = 0.339 W/kg

Smallest distance from peaks to all points 3 dB below is 11.5 mm

Ratio of SAR at M2 to SAR at M1 = 86.0 %



ELEMENT

DUT: BCG-A3331; Type: Watch; Serial: X4TDQ

Communication System: UID:10415 - AAA, WLAN; MAIA: Y; Frequency: 2412.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2412.000$ MHz; $\text{cond} = 1.76$ S/m; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/18/2025; Ambient Temp: 19.9°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.98,6.91,7.1); Calibrated: 2025-04-16

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

Electronics: DAE4 Sn1323; Calibrated: 2025-04-15

Phantom: Twin-SAM V4.0; Serial: 1447

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: 2.4 GHz WIFI/ IEEE 802.11b, 22 MHz Bandwidth, Exp: Extremity| Back Side, Ch. 1, 1Mbps, Aluminum, Metal Links Wristband

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

Zoom Scan (35.0 x 35.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

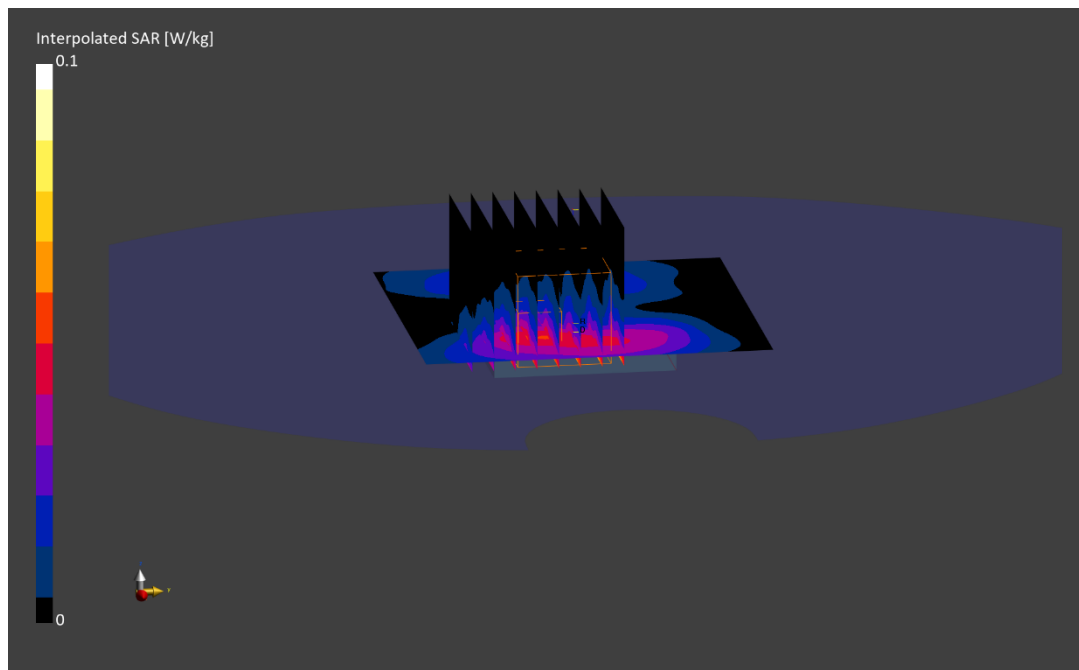
Reference Value = 0.07 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.075 W/kg

SAR(10 g) = 0.022 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 = 79.9 %



ELEMENT

DUT: BCG-A3331; Type: Watch; Serial: 3YJ56

Communication System: UID:10317 - AAE, WLAN; MAIA: Y; Frequency: 5785.000 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5785.000$ MHz; $\text{cond} = 5.24$ S/m; $\text{perm} = 34.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/24/2025; Ambient Temp: 21.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7782; ConvF:(5.28,4.62,4.52); Calibrated: 2024-09-12

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1646; Calibrated: 2024-09-03

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

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11a, 20 MHz Bandwidth, U-NII-3, Exp: Head|
Front Side, Ch. 157, 6.0 Mbps, Aluminum, Metal Links Wristband**

Area Scan (80.0 x 80.0): Measurement grid: $dx=10.0$ 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

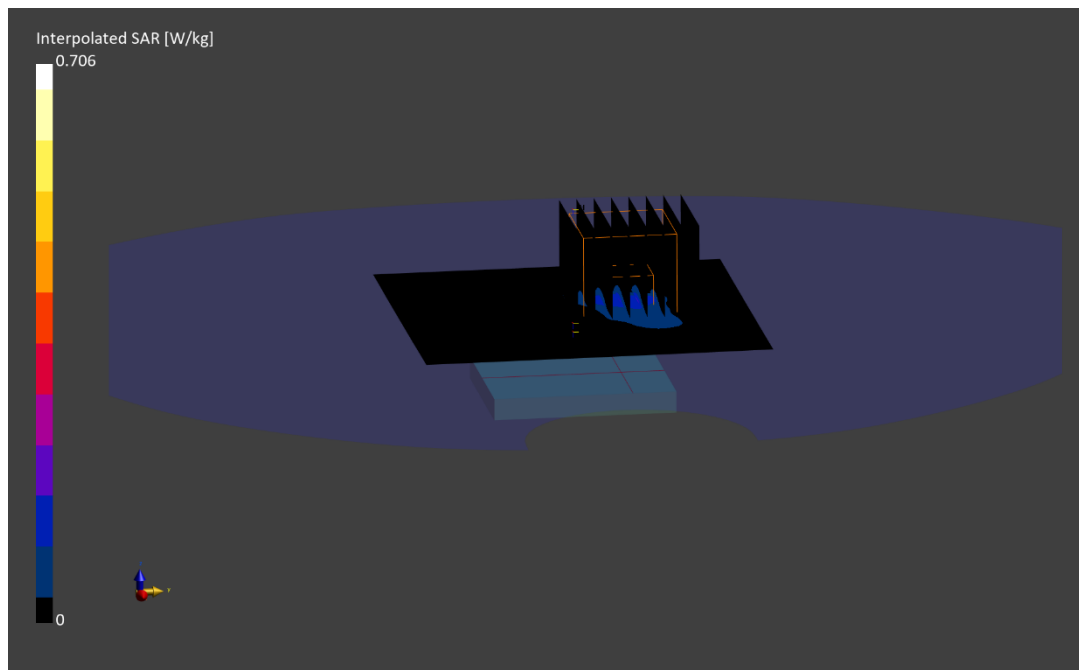
Reference Value = 0.05 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.706 W/kg

SAR(1 g) = 0.142 W/kg

Smallest distance from peaks to all points 3 dB below is 7.6 mm

Ratio of SAR at M2 to SAR at M1 = 54.2 %



ELEMENT

DUT: BCG-A3331; Type: Watch; Serial: FL4FH

Communication System: UID:10317 - AAE, WLAN; MAIA: Y; Frequency: 5785.000 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5785.000$ MHz; $\text{cond} = 5.24$ S/m; $\text{perm} = 34.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/24/2025; Ambient Temp: 21.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7782; ConvF:(5.28,4.62,4.52); Calibrated: 2024-09-12

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

Electronics: DAE4 Sn1646; Calibrated: 2024-09-03

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

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 5 GHz WIFI/ IEEE 802.11a, 20 MHz Bandwidth, U-NII-3, Exp: Extremity|
Back Side, Ch. 157, 6.0 Mbps, Aluminum, Metal Loop Wristband**

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

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

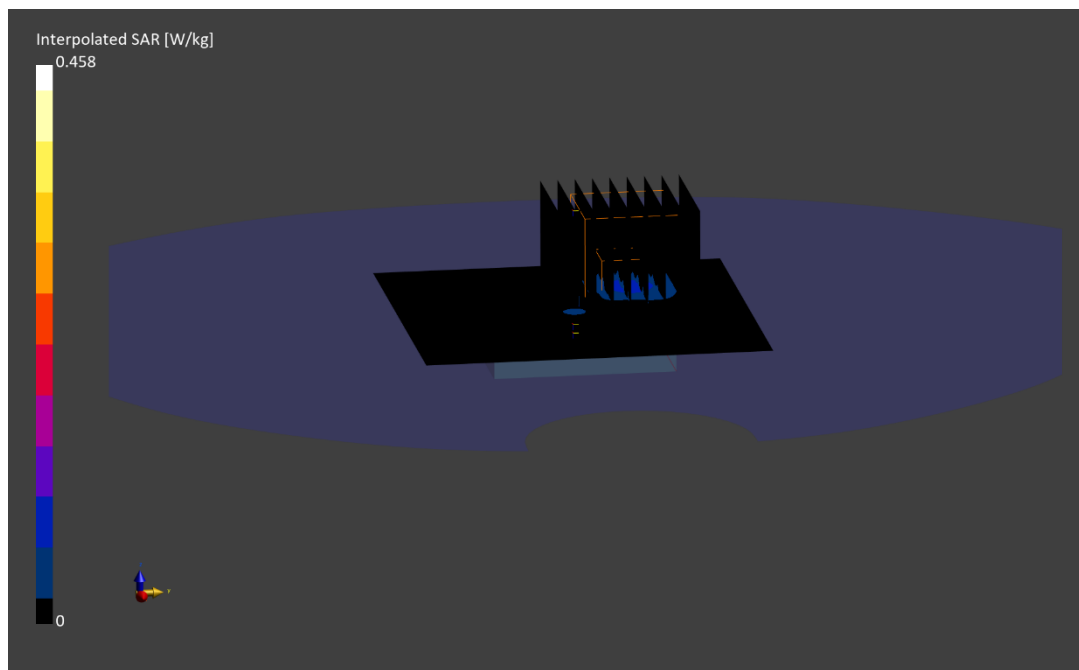
Reference Value = 0.07 W/kg; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.458 W/kg

SAR(10 g) = 0.017 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 = 44.8 %



ELEMENT

DUT: BCG-A3331; Type: Watch; Serial: X4TDQ

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2402.000$ MHz; $\text{cond} = 1.75$ S/m; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 06/18/2025; Ambient Temp: 19.9°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.98,6.91,7.1); Calibrated: 2025-04-16

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

Electronics: DAE4 Sn1323; Calibrated: 2025-04-15

Phantom: Twin-SAM V4.0; Serial: 1447

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz Bluetooth, Exp: Head| Front Side, Ch. 0,
1 Mbps, Aluminum, Sport Wristband**

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

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

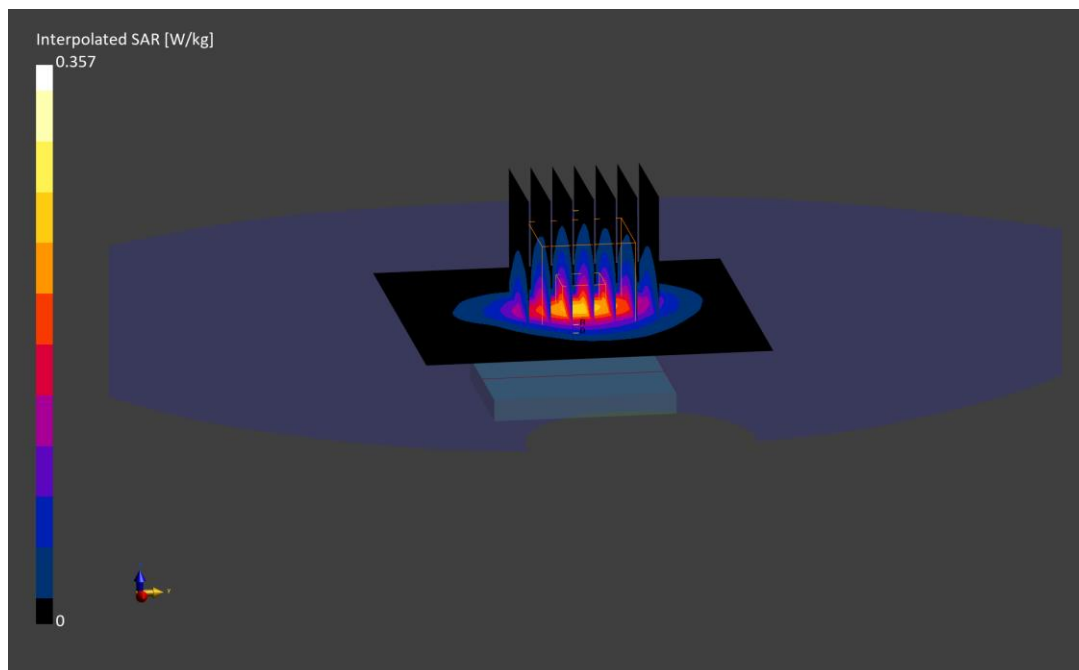
Reference Value = 0.32 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.211 W/kg

Smallest distance from peaks to all points 3 dB below is 10.8 mm

Ratio of SAR at M2 to SAR at M1 = 85.5 %



ELEMENT

DUT: BCG-A3331; Type: Watch; Serial: 3YJ56

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2402.000$ MHz; $\text{cond} = 1.80$ S/m; $\text{perm} = 38.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/23/2025; Ambient Temp: 21.0°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7532; ConvF:(6.89,6.81,7.65); Calibrated: 2025-04-16

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

Electronics: DAE4 Sn501; Calibrated: 2025-04-09

Phantom: Twin-SAM V8.0; Serial: 2058

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 2.4 GHz Bluetooth, Exp: Extremity| Back Side, Ch. 0, 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 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

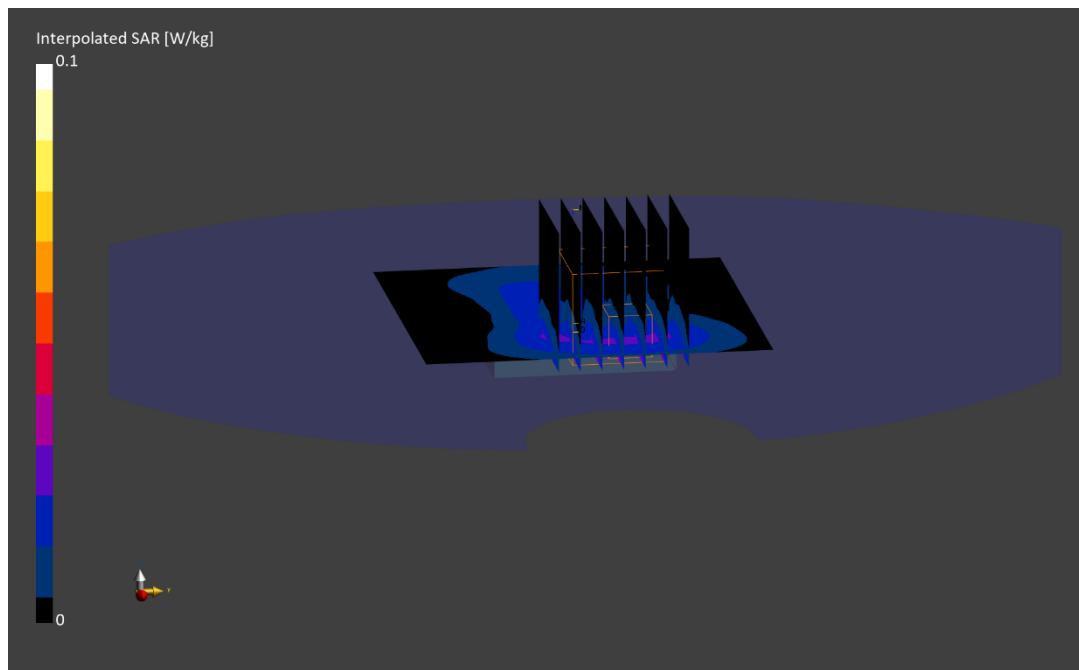
Reference Value = 0.02 W/kg; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.045 W/kg

SAR(10 g) = 0.011 W/kg

Smallest distance from peaks to all points 3 dB below is 14.0 mm

Ratio of SAR at M2 to SAR at M1 = 79.5 %



ELEMENT

DUT: BCG-A3331; Type: Watch; Serial: 3YJ56

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 5786.300 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5786.300$ MHz; $\text{cond} = 5.26$ S/m; $\text{perm} = 35.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10.00 mm

Test Date: 07/11/2025; Ambient Temp: 20.4°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7499; ConvF:(4.93,5.05,5.22); Calibrated: 2025-01-14

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

Electronics: DAE4 Sn1465; Calibrated: 2025-01-08

Phantom: Twin-SAM V8.0; Serial: 2070

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 802.15.4 ab-NB, Exp: Head| Front Side, Ch. Mid, 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 (24.0 x 28.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

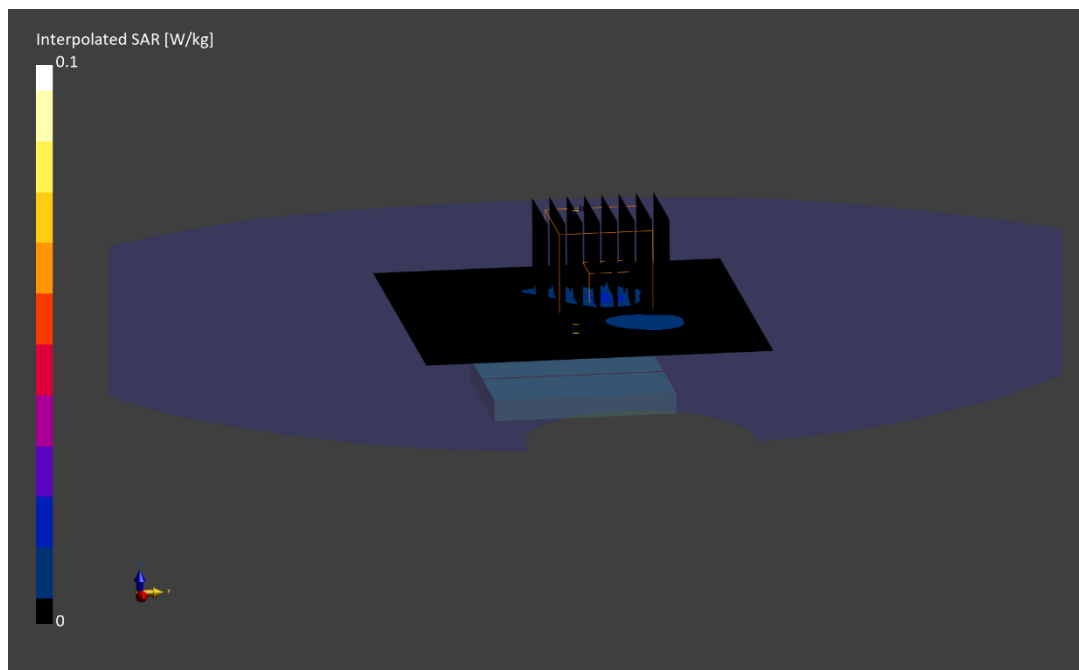
Reference Value = 0.00 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.069 W/kg

SAR(1 g) = 0.013 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 = 45.4 %



ELEMENT

DUT: BCG-A3331; Type: Watch; Serial: 3YJ56

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 5786.300 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5786.300$ MHz; $\text{cond} = 5.24$ S/m; $\text{perm} = 34.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 06/24/2025; Ambient Temp: 21.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7782; ConvF:(5.28,4.62,4.52); Calibrated: 2024-09-12

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

Electronics: DAE4 Sn1646; Calibrated: 2024-09-03

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

Measurement SW: DASY Module SAR V16.4.0.5005

**Mode: 802.15.4 ab-NB, Exp: Extremity| Back Side, Ch. Mid, 1 Mbps,
Aluminum, Metal Loop Wristband**

Area Scan (80.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (40.0 x 40.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

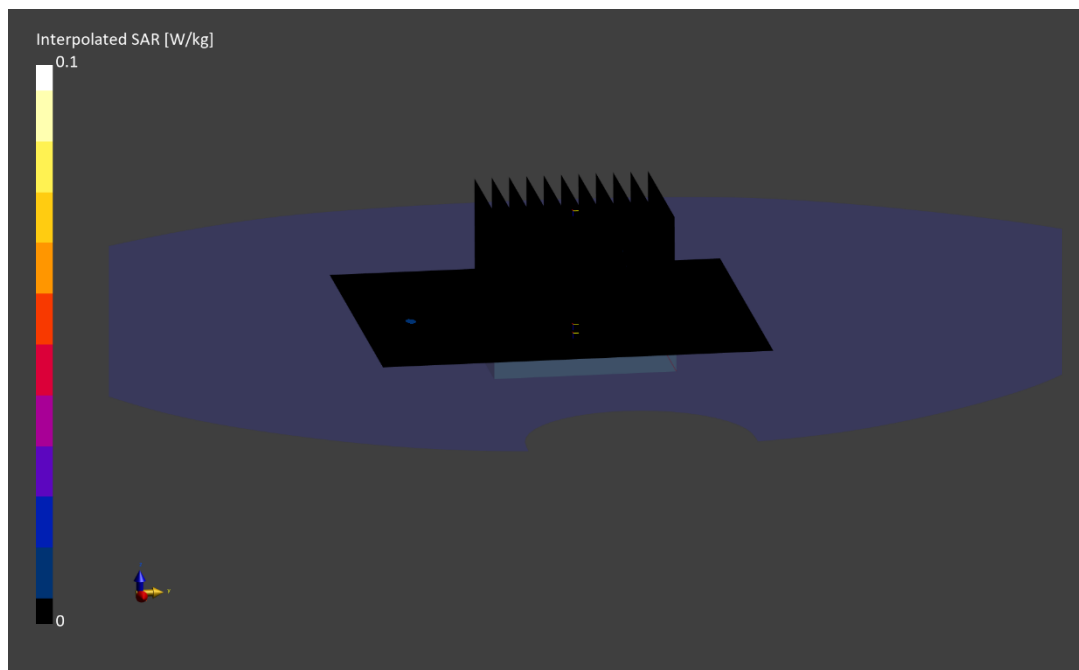
Reference Value = -0.03 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.009 W/kg

SAR(10 g) = 0 W/kg

Smallest distance from peaks to all points 3 dB below is 0.0 mm

Ratio of SAR at M2 to SAR at M1 = 3.2 %



ELEMENT

DUT: BCG-A3331; Type: Watch; Serial: PT7FL

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 13.600 MHz
Medium: 30 Head; Medium parameters used:
 $f = 13.600 \text{ MHz}$; $\text{cond} = 0.746 \text{ S/m}$; $\text{perm} = 55.5$; $\text{density} = 1000 \text{ kg/m}^3$
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/09/2025; Ambient Temp: 22.3°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN3746; ConvF:(15.27,15.58,17.13); Calibrated: 2024-10-15
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1237; Calibrated: 2024-10-10
Phantom: ELI V6.0; Serial: 2003
Measurement SW: DASY Module SAR V16.4.0.5005

Mode: NFC, Exp: Extremity| Back Side, Aluminum, Sport Wristband

Area Scan (150.0 x 135.0): Measurement grid: $dx=15.0 \text{ mm}$, $dy=15.0 \text{ mm}$

Zoom Scan (36.0 x 36.0 x 31.2): Measurement grid: $dx=6.0 \text{ mm}$, $dy=6.0 \text{ mm}$, $dz=1.5 \text{ mm}$; Graded Ratio: 1.5

Reference Value = 0.00 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.007 W/kg

SAR(10 g) = 0 W/kg

Smallest distance from peaks to all points 3 dB below is 2.4 mm

Ratio of SAR at M2 to SAR at M1 = 71.7 %

