

APPENDIX A: SAR TEST DATA

ELEMENT

DUT: BCG-A3064; Type: Wireless Earbud; Serial: H5RHH4000TN

Communication System: UID:10981 - AAA, CW; MAIA: Y; Frequency: 2441.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2441.0$ MHz; $\text{cond} = 1.78$ S/m; $\text{perm} = 39.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/20/2025; Ambient Temp: 20.5°C; Tissue Temp: 19.4°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. 38, 4 Mbps

Area Scan (60.0 x 60.0): 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

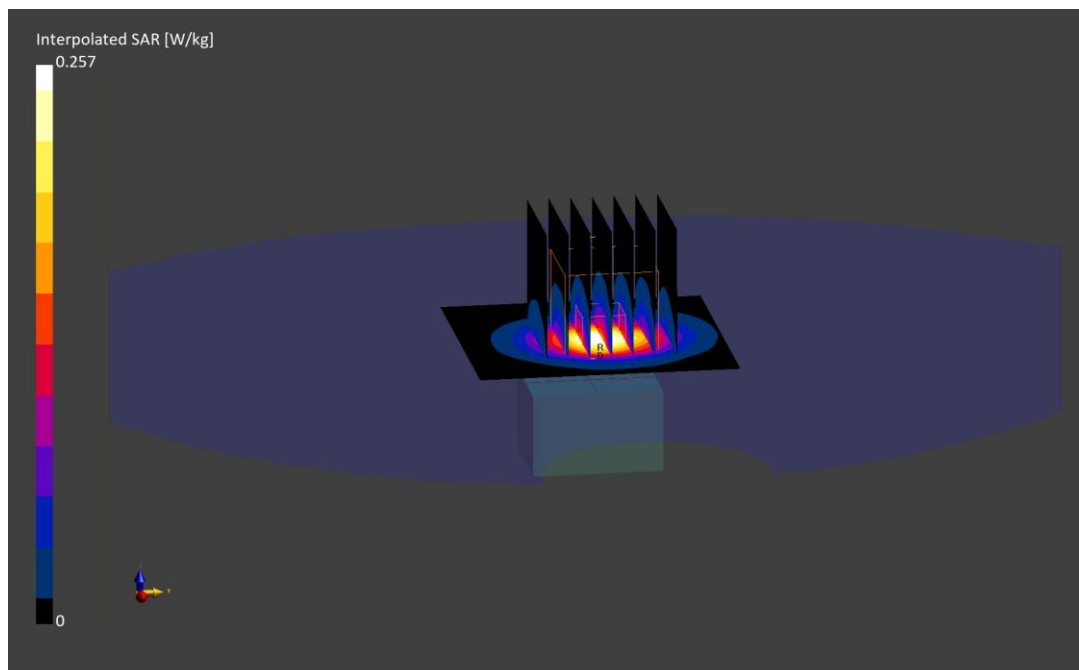
Reference Value = 0.20 W/kg; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.130 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 = 80.8 %



ELEMENT

DUT: BCG-A3064 Type: Wireless Earbud; Serial: H5RHH6001CV

Communication System: UID:10670 - AAA, CW; MAIA: Y; Frequency: 5157.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5157.0$ MHz; $\text{cond} = 4.57$ S/m; $\text{perm} = 35.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/16/2025; Ambient Temp: 20.5°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7499; ConvF:(5.42,5.54,5.73); 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: NB U-NII-1, Exp: Head| Front Side, Ch. Low, 1 Mbps

Area Scan (60.0 x 60.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (36.0 x 36.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

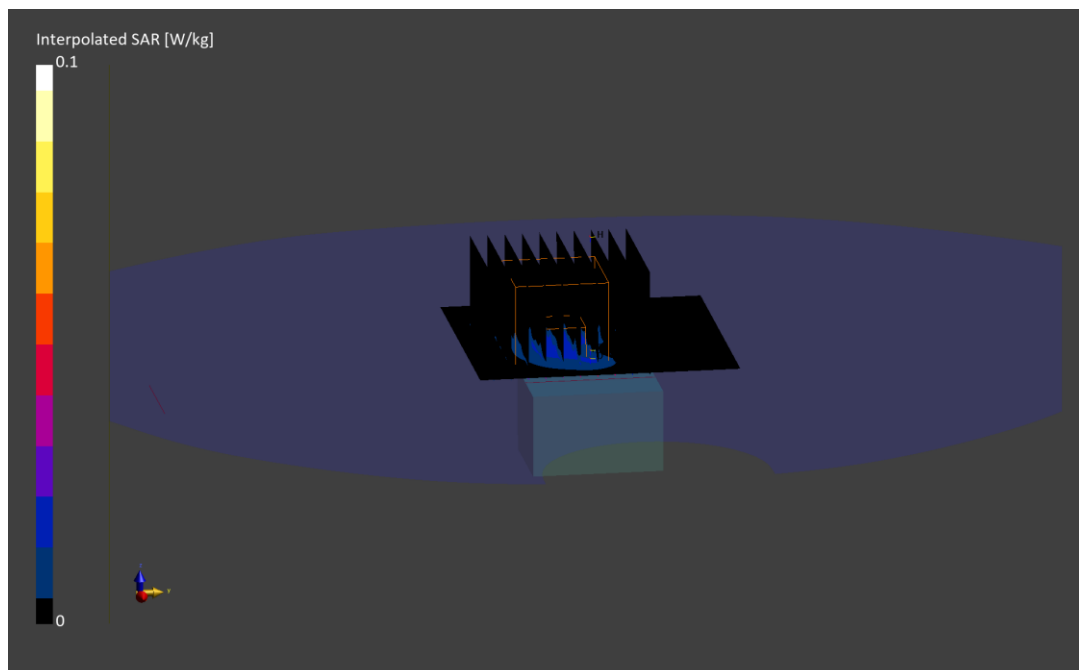
Reference Value = 0.01 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.071 W/kg

SAR(1 g) = 0.016 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 = 63.8 %



ELEMENT

DUT: BCG-A3064; Type: Wireless Earbud; Serial: H5RHH6001C

Communication System: UID:10670 - AAA, CW; MAIA: Y; Frequency: 5788.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5788.0$ MHz; $\text{cond} = 5.30$ S/m; $\text{perm} = 34.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/16/2025; Ambient Temp: 20.5°C; Tissue Temp: 19.1°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: NB U-NII 3, Exp: Head| Front Side, Ch. Mid, 1 Mbps

Area Scan (60.0 x 60.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (36.0 x 36.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

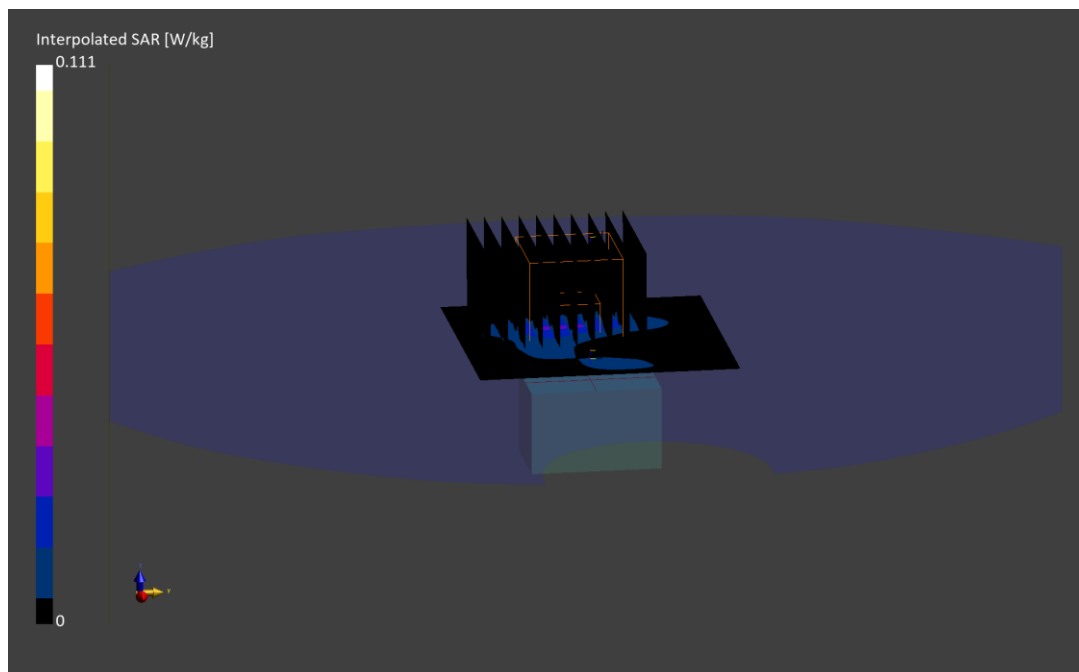
Reference Value = 0.01 W/kg; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.017 W/kg

Smallest distance from peaks to all points 3 dB below is 8.8 mm

Ratio of SAR at M2 to SAR at M1 = 56.2 %



ELEMENT

DUT: BCG-A3064; Type: Wireless Earbud; Serial: H5RHH6001CV

Communication System: UID:10982 - AAA, CW; MAIA: Y; Frequency: 6108.0 MHz

Medium: 6000 Head; Medium parameters used:

$f = 6108.0$ MHz; $\text{cond} = 5.34$ S/m; $\text{perm} = 35.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 08/11/2025; Ambient Temp: 22.1°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3949; ConvF:(5.23,5.7,5.57); Calibrated: 2024-09-09

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

Electronics: DAE4 Sn1684; Calibrated: 2024-09-04

Phantom: Twin-SAM V4.0; Serial: 1275

Measurement SW: DASY Module SAR V16.4.0.5005

Mode: NB U-NII 5, Exp: Head| Front Side, Ch. Low, 8 Mbps

Area Scan (68.0 x 85.0): Measurement grid: $dx=8.5$ mm, $dy=8.5$ mm

Zoom Scan (30.6 x 27.2 x 22.9): Measurement grid: $dx=3.4$ mm, $dy=3.4$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

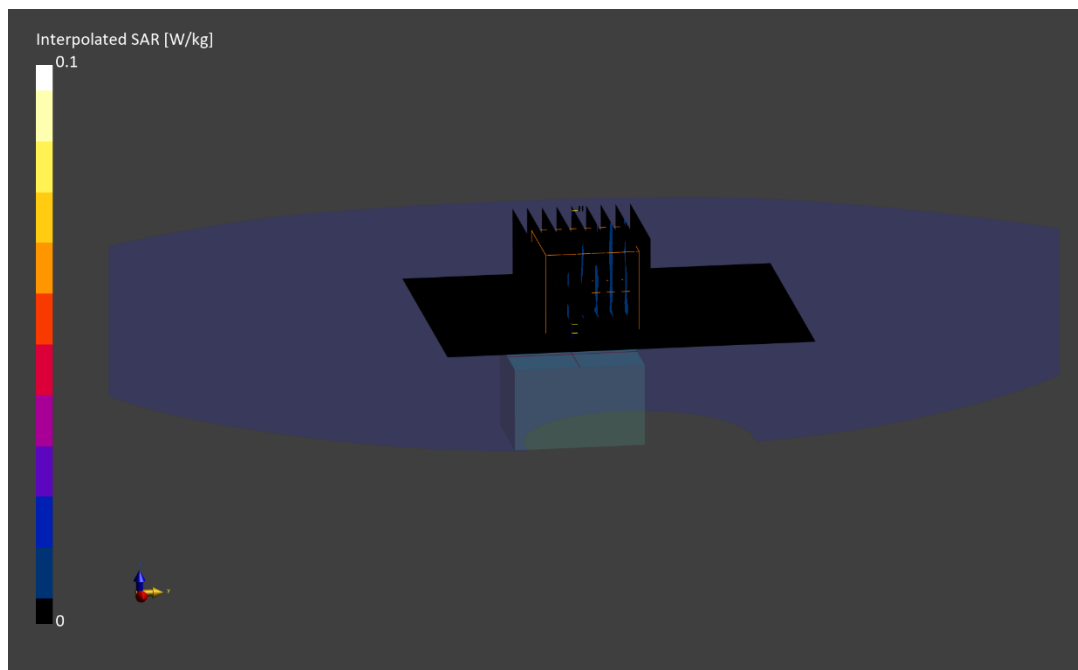
Reference Value = -0.00 W/kg; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.025 W/kg

SAR(1 g) = 0.008 W/kg; APD(4cm²) = 0.072 W/m²

Smallest distance from peaks to all points 3 dB below is N/A

Ratio of SAR at M2 to SAR at M1 = 73.5 %



ELEMENT

DUT: BCG-A3064; Type: Wireless Earbud; Serial: H5RHH4000TN

Communication System: UID:10981 - AAA, CW; MAIA: Y; Frequency: 2441.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2441.0$ MHz; $\text{cond} = 1.78$ S/m; $\text{perm} = 39.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/20/2025; Ambient Temp: 20.5°C; Tissue Temp: 19.4°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: Body-worn| Left Side, Ch. 38, 4 Mbps

Area Scan (60.0 x 60.0): 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

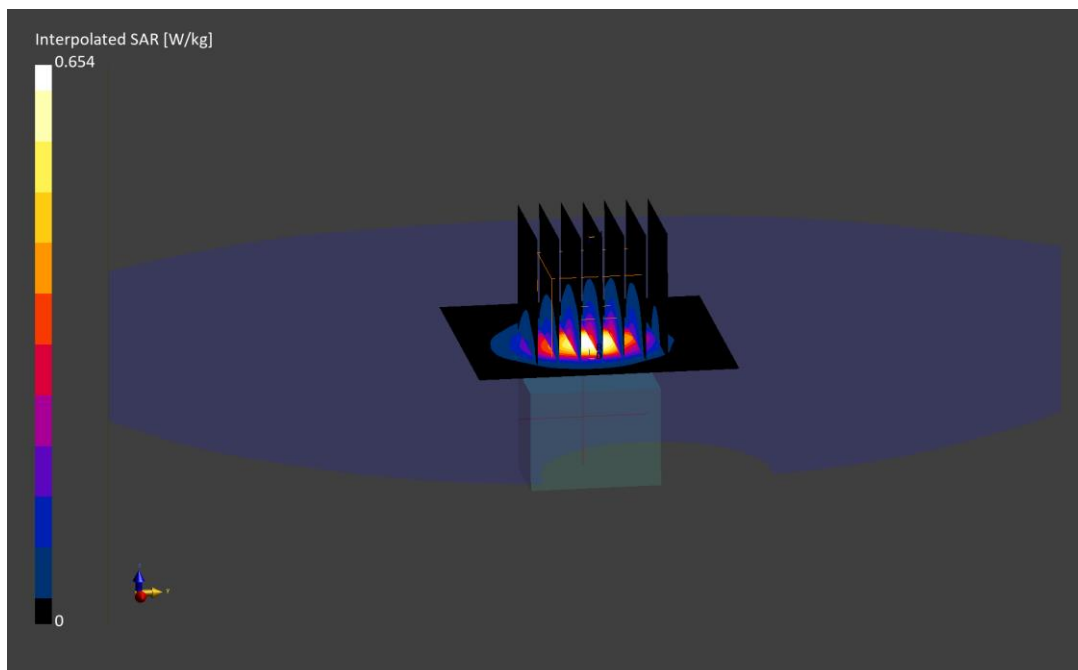
Reference Value = 0.48 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.654 W/kg

SAR(1 g) = 0.309 W/kg

Smallest distance from peaks to all points 3 dB below is 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 78.6 %



ELEMENT

DUT: BCG-A3064; Type: Wireless Earbud; Serial: H5RHH6001CV

Communication System: UID:10670 - AAA, CW; MAIA: Y; Frequency: 5157.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5157.0$ MHz; $\text{cond} = 4.57$ S/m; $\text{perm} = 35.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/16/2025; Ambient Temp: 20.5°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7499; ConvF:(5.42,5.54,5.73); 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: NB U-NII 1, Exp: Body-worn| Back Side, Ch. Low, 1 Mbps

Area Scan (60.0 x 60.0): 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

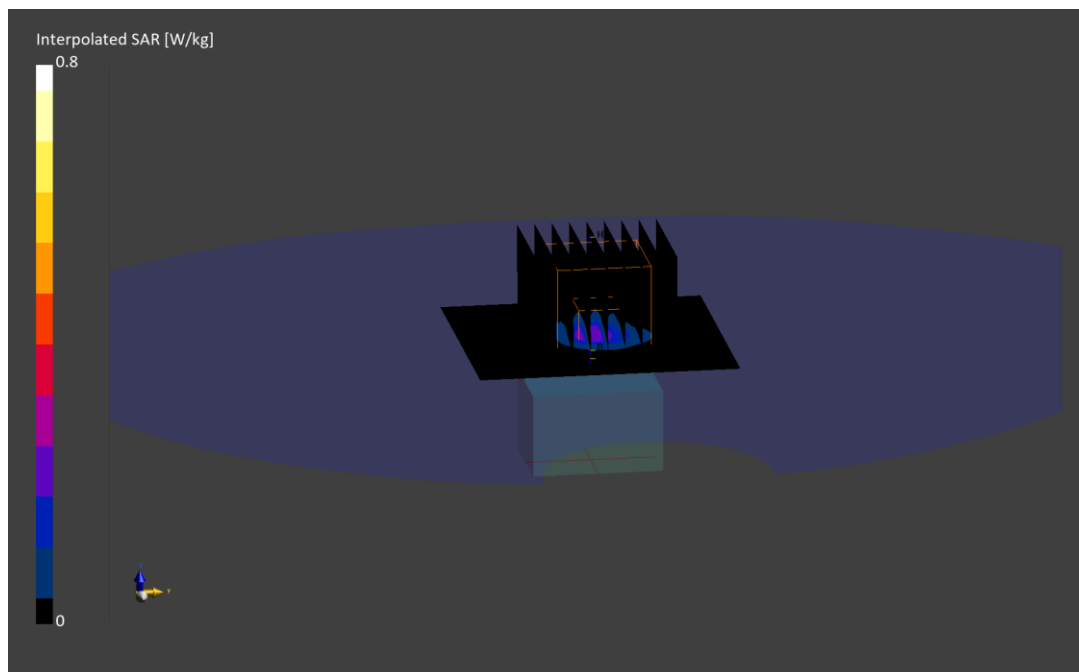
Reference Value = 0.12 W/kg; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.800 W/kg

SAR(1 g) = 0.197 W/kg

Smallest distance from peaks to all points 3 dB below is 6.5 mm

Ratio of SAR at M2 to SAR at M1 = 63.2 %



ELEMENT

DUT: BCG-A3064; Type: Wireless Earbud; Serial: H5RHH6001CV

Communication System: UID:10670 - AAA, CW; MAIA: Y; Frequency: 5788.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5788.0$ MHz; $\text{cond} = 5.30$ S/m; $\text{perm} = 34.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 5.00 mm

Test Date: 07/16/2025; Ambient Temp: 20.5°C; Tissue Temp: 19.1°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: NB U-NII 3, Exp: Body-worn| Back Side, Ch. Mid, 1 Mbps

Area Scan (60.0 x 60.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (24.0 x 24.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

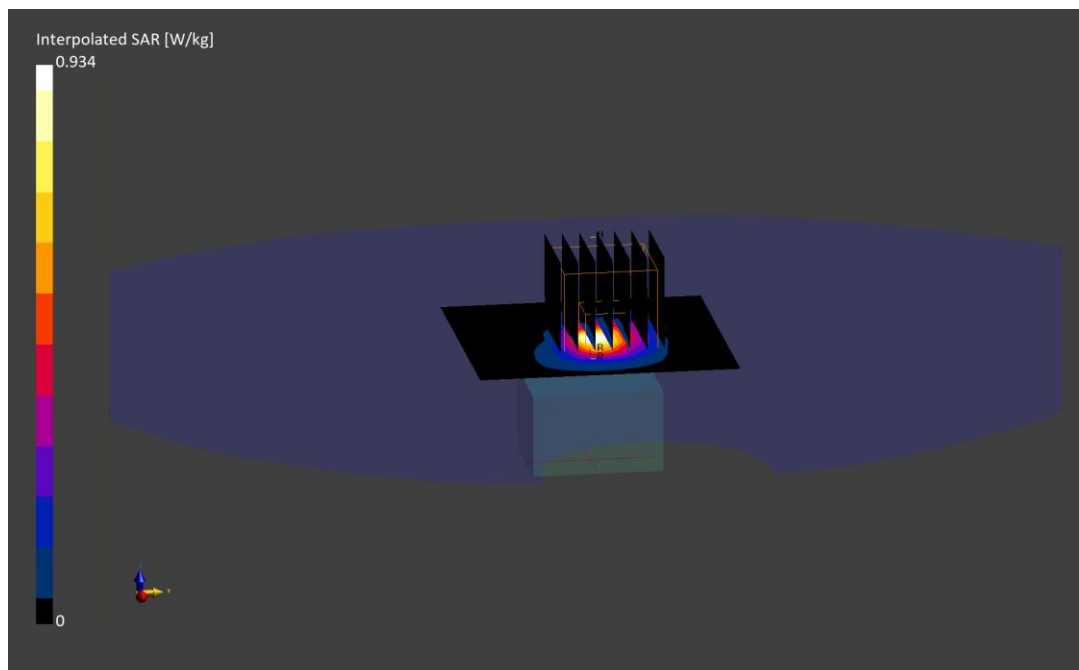
Reference Value = 0.09 W/kg; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.934 W/kg

SAR(1 g) = 0.192 W/kg

Smallest distance from peaks to all points 3 dB below is 5.4 mm

Ratio of SAR at M2 to SAR at M1 = 55.6 %



ELEMENT

DUT: BCG-A3064; Type: Wireless Earbud; Serial: H5RHH6001CV

Communication System: UID:10982 - AAA, CW; MAIA: Y; Frequency: 6108.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6108.0 MHz; cond = 5.34 S/m; perm = 35.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 5.00 mm

Test Date: 08/11/2025; Ambient Temp: 22.1°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3949; ConvF:(5.23,5.7,5.57); Calibrated: 2024-09-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1684; Calibrated: 2024-09-04
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.4.0.5005

Mode: NB U-NII 5, Exp: Body-worn| Back Side, Ch. Low, 8 Mbps

Area Scan (68.0 x 68.0): Measurement grid: dx=8.5 mm, dy=8.5 mm

Zoom Scan (30.6 x 27.2 x 22.9): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

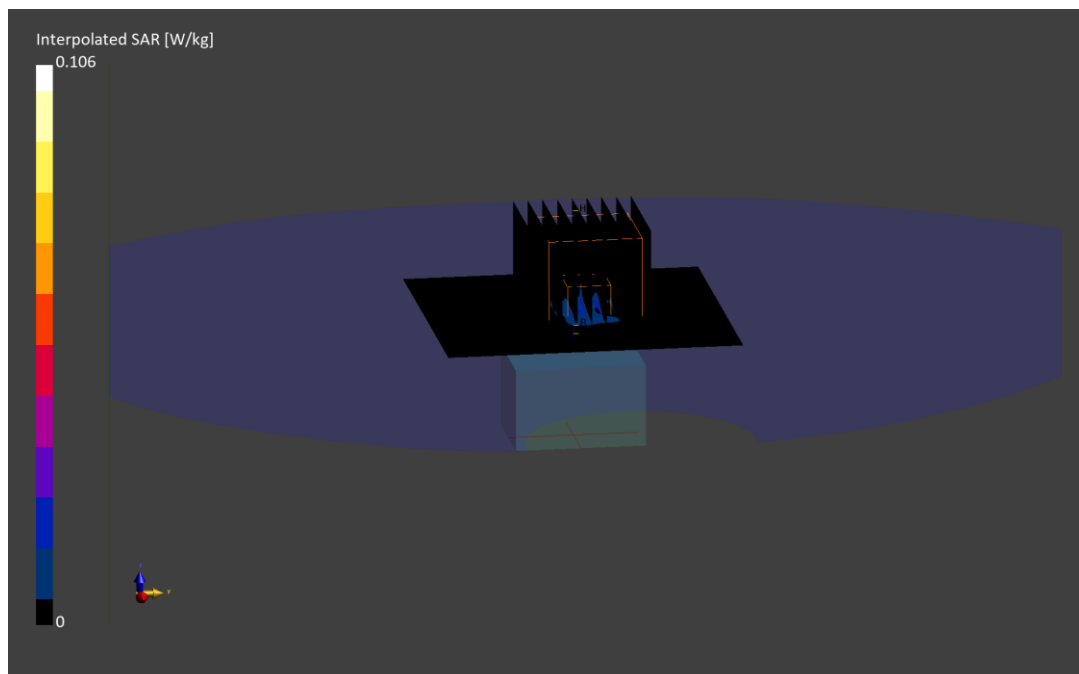
Reference Value = 0.01 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.106 W/kg

SAR(1 g) = 0.021 W/kg; APD(4cm²) = 0.112 W/m²

Smallest distance from peaks to all points 3 dB below is 5.5 mm

Ratio of SAR at M2 to SAR at M1 = 43.7 %



Date: 08/13/2025

Mode: NB-UNII 5, Exp: Body-worn| Back, Ch. Low, 8 Mbps

Device Under Test Properties

DUT	Serial Number	DUT Type
BCG-A3064	H5RHH6001CV	Wireless Earbud

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Channel	Group, UID	Frequency [MHz]
5G	Back	2.00	Low	10982	6108.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9407, 10/09/2024	DAE4 – SN1402, 04/10/2025

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 [cm²]	4.00
pS _{tot} avg [W/m²]	0.220
pS _n avg [W/m²]	0.213
E _{peak} [V/m]	14.6
Power Drift [dB]	-0.03

