APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: BCG-A3184; Type: Wireless Headphones; Serial: 03D9X

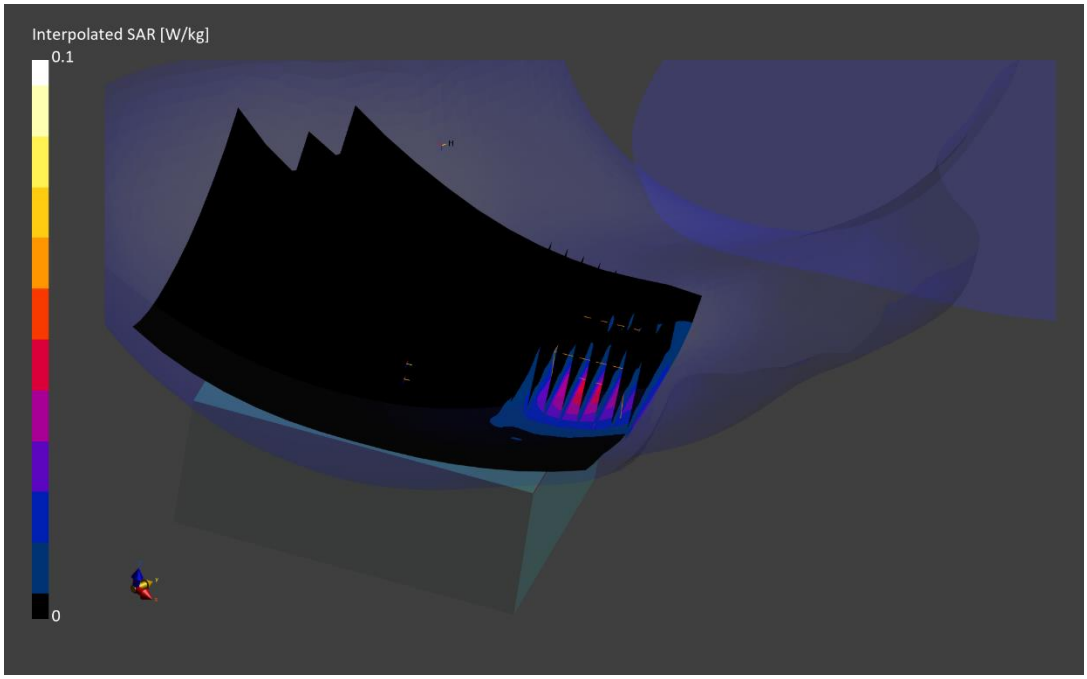
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2480.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2480.0 MHz; cond = 1.88 S/m; perm = 39.3; density = 1000 kg/m^3
Phantom Section: Right Head; Space: 0.00 mm

Test Date: 07/08/2024; Ambient Temp: 22.5°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7552; ConvF:(7.01,7.58,7.38); Calibrated: 2024-05-13
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1676; Calibrated: 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2058
Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 2.4 GHz Bluetooth, 1 Mbps, Exp: Head| Right Cheek, Ch. 78

Area Scan (120.0 x 140.0): 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 = 0.03 W/kg; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.072 W/kg
SAR(1 g) = 0.037 W/kg
Smallest distance from peaks to all points 3 dB below is 10.1 mm
Ratio of SAR at M2 to SAR at M1 = 85.2 %



ELEMENT

DUT: BCG-A3184; Type: Wireless Headphones; Serial: 005E98

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2402.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2402.0 MHz; cond = 1.80 S/m; perm = 39.6; density = 1000 kg/m^3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 07/08/2024; Ambient Temp: 22.5°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7552; ConvF:(7.01,7.58,7.38); Calibrated: 2024-05-13
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1676; Calibrated: 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2058
Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 2.4 GHz Bluetooth, 1 Mbps, Exp: Extremity| Antenna Touching, Ch. 0

Area Scan (120.0 x 140.0): 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 = 0.28 W/kg; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.843 W/kg
SAR(10 g) = 0.106 W/kg
Smallest distance from peaks to all points 3 dB below is 8.0 mm
Ratio of SAR at M2 to SAR at M1 = 58.6 %