APPENDIX A: SAR TEST DATA

ELEMENT

DUT: BCGA2871; Type: Wireless Earbud; Serial: FL6JN0P424FH

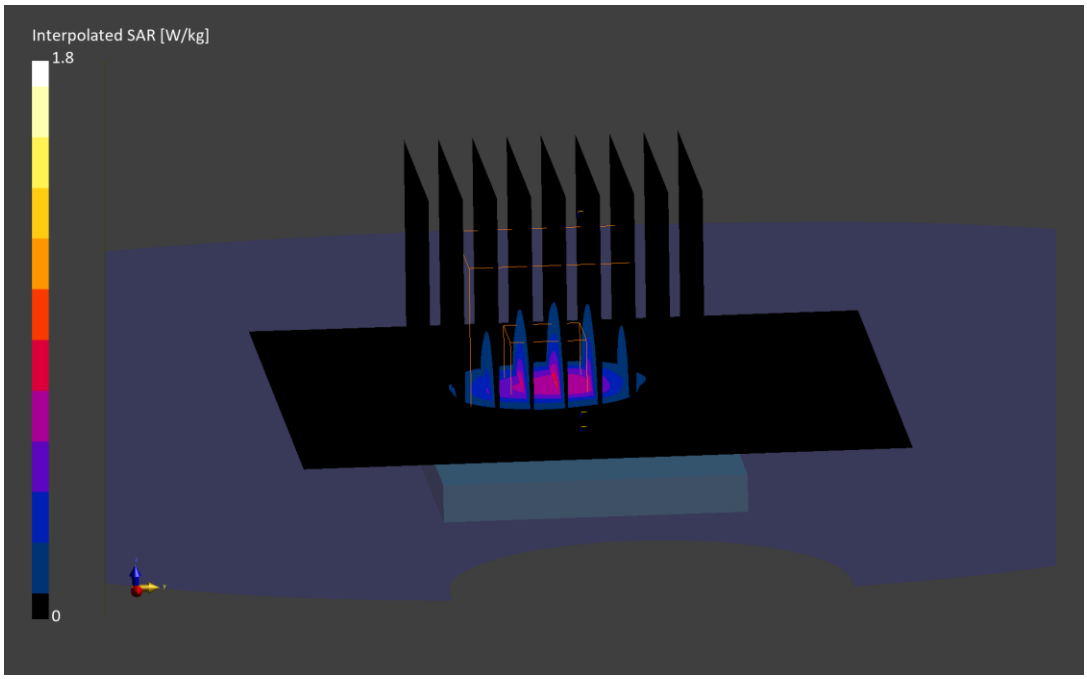
Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2480.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2480.0 MHz; cond = 1.78 S/m; perm = 38.5; density = 1000 kg/m^3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/14/2022; Ambient Temp: 21.5°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7420; ConvF:(7.33,7.33,7.33); Calibrated: 2022-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2022-10-13
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, Head SAR, Ch. 78, 1 Mbps, Ear-tip Side, Right Earbud

Area Scan (80.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (36.0 x 36.0 x 30.0): Measurement grid: dx=4.5 mm, dy=4.5 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.53 W/kg; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 1.80 W/kg
SAR (1 g) = 0.662 W/kg
Smallest distance from peaks to all points 3 dB below is 5.3 mm
Ratio of SAR at M2 to SAR at M1 = 76.9 %



ELEMENT

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Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2480.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2480.0 MHz; cond = 1.78 S/m; perm = 38.5; density = 1000 kg/m^3
Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/14/2022; Ambient Temp: 21.5°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7420; ConvF:(7.33,7.33,7.33); Calibrated: 2022-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2022-10-13
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.0.1425

Mode: Bluetooth, Body SAR, Ch. 78, 1 Mbps, Back side, Right Earbud

Area Scan (80.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (34.8 x 34.8 x 30.0): Measurement grid: dx=2.9 mm, dy=2.9 mm, dz=1.5 mm; Graded Ratio: 1.5
Reference Value = 0.18 W/kg; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 1.72 W/kg
SAR (1 g) = 0.323 W/kg
Smallest distance from peaks to all points 3 dB below is 3.7 mm
Ratio of SAR at M2 to SAR at M1 = 49.1 %