

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; $\text{cond} = 1.78$ S/m; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³

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

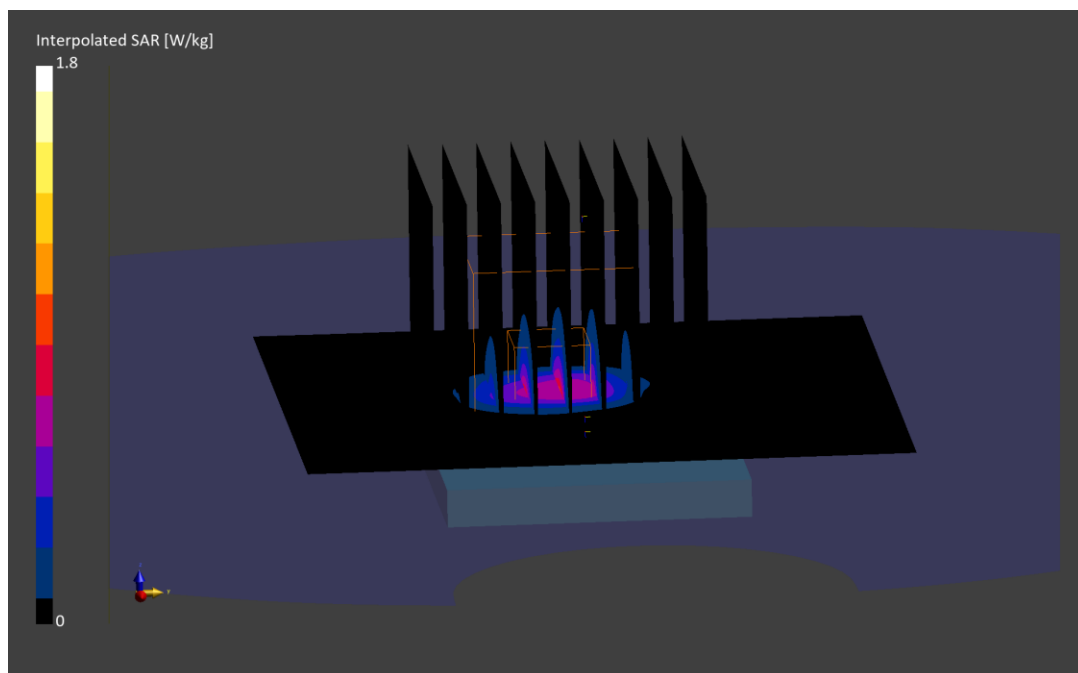
Reference Value = 0.53 W/kg; Power Drift = 0.00 dB

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 %



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Phantom Section: Flat; Space: 0.00 mm

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

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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 %

