

APPENDIX A: SAR TEST DATA

ELEMENT

DUT: BCGA2872; Type: Wireless Earbud; Serial: FL6JN0SX24FJ

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2480.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2480.0 MHz; cond = 1.80 S/m; perm = 39.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 0.00 mm

Test Date: 12/08/2022; Ambient Temp: 20.8°C; Tissue Temp: 20.2°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, 1Mbps, Ear-tip Side, Left Earbud

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 30.0): Measurement grid: dx=4.3 mm, dy=4.3 mm, dz=1.5 mm; Graded Ratio: 1.5

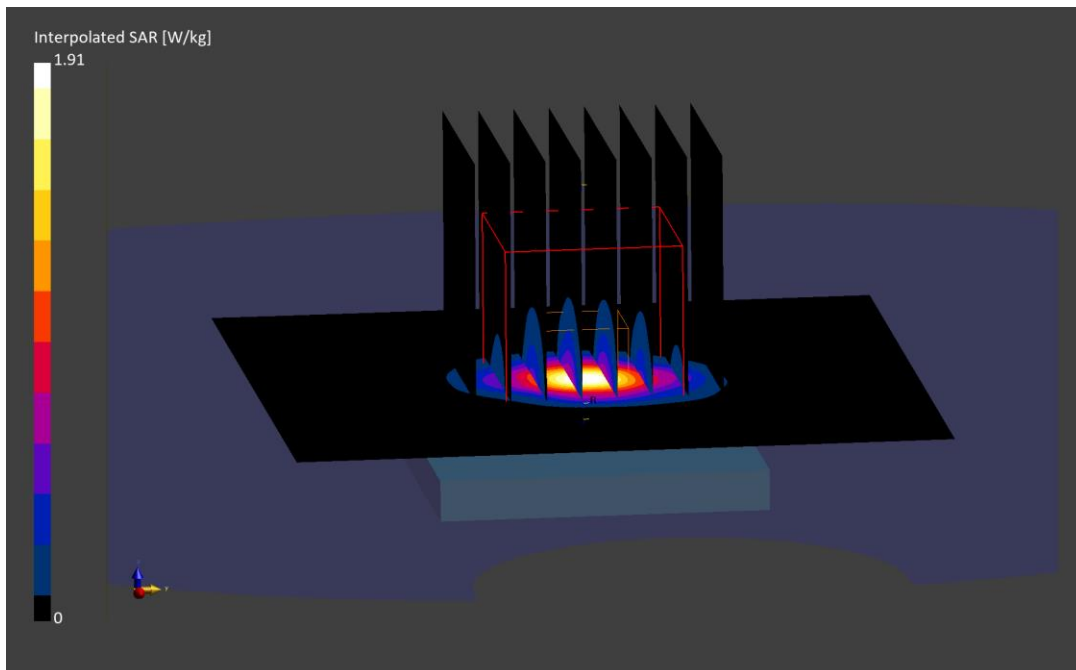
Reference Value = 0.49 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.91 W/kg

SAR (1 g) = 0.610 W/kg

Smallest distance from peaks to all points 3 dB below is 4.7 mm

Ratio of SAR at M2 to SAR at M1 = 60.9 %



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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-Worn SAR, Ch.78, 1Mbps, Back Side, Left Earbud

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 30.0): Measurement grid: $dx=4.7$ mm, $dy=4.7$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Reference Value = 0.16 W/kg; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR (1 g) = 0.301 W/kg

Smallest distance from peaks to all points 3 dB below is 6.1 mm

Ratio of SAR at M2 to SAR at M1 = 50.3 %

