

## APPENDIX A: SAR TEST PLOTS

# ELEMENT

**DUT: BCGA3150; Type: Wireless Earbuds; Serial: FL6H3M000120000NRL**

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2480.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2480.0$  MHz;  $cond = 1.86$  S/m;  $perm = 38.1$ ;  $density = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0.00 mm

Test Date: 03/11/2024; Ambient Temp: 20.3°C; Tissue Temp: 24.0°C

Probe: EX3DV4 - SN7532; ConvF:(7.88,7.88,7.88); Calibrated: 2023-04-18

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

Electronics: DAE4 Sn501; Calibrated: 2023-04-14

Phantom: Twin-SAM V8.0; Serial: 2067

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: Bluetooth, Head SAR, Ch.78, 1Mbps, 3 Point**

**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:  $dx=5.0$  mm,  $dy=5.0$  mm,  $dz=1.5$  mm; Graded Ratio: 1.5

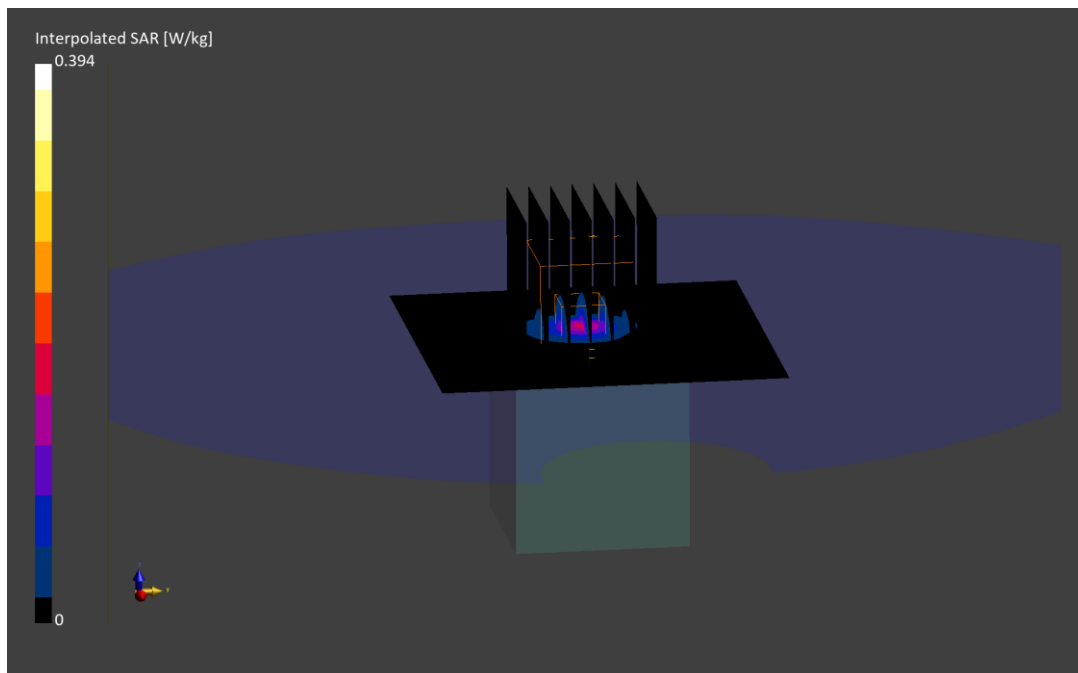
Reference Value = 0.13 W/kg; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.394 W/kg

**SAR(1 g) = 0.120 W/kg**

Smallest distance from peaks to all points 3 dB below is 5.9 mm

Ratio of SAR at M2 to SAR at M1 = 66.9 %



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Phantom Section: Flat; Space: 0.00 mm

Test Date: 03/11/2024; Ambient Temp: 20.3°C; Tissue Temp: 24.0°C

Probe: EX3DV4 - SN7532; ConvF:(7.88,7.88,7.88); Calibrated: 2023-04-18

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

Electronics: DAE4 Sn501; Calibrated: 2023-04-14

Phantom: Twin-SAM V8.0; Serial: 2067

Measurement SW: DASY Module SAR V16.2.0.1425

**Mode: Bluetooth, Body SAR, Ch.78, 1Mbps, S2**

**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:  $dx=2.5$  mm,  $dy=2.5$  mm,  $dz=1.2$  mm; Graded Ratio: 1.2

Reference Value = 0.24 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.927 W/kg

**SAR(1 g) = 0.175 W/kg**

Smallest distance from peaks to all points 3 dB below is 3.6 mm

Ratio of SAR at M2 to SAR at M1 = 60.6 %

