

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: BCGA3151; Type: Wireless Earbuds; Serial: FL6H3M00070000NRM

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

Medium: 2450 Head; Medium parameters used:

$f = 2480.0$ MHz; $\text{cond} = 1.86$ S/m; $\text{perm} = 38.1$; $\text{density} = 1000$ kg/m³

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, Point 1, 3 Position

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

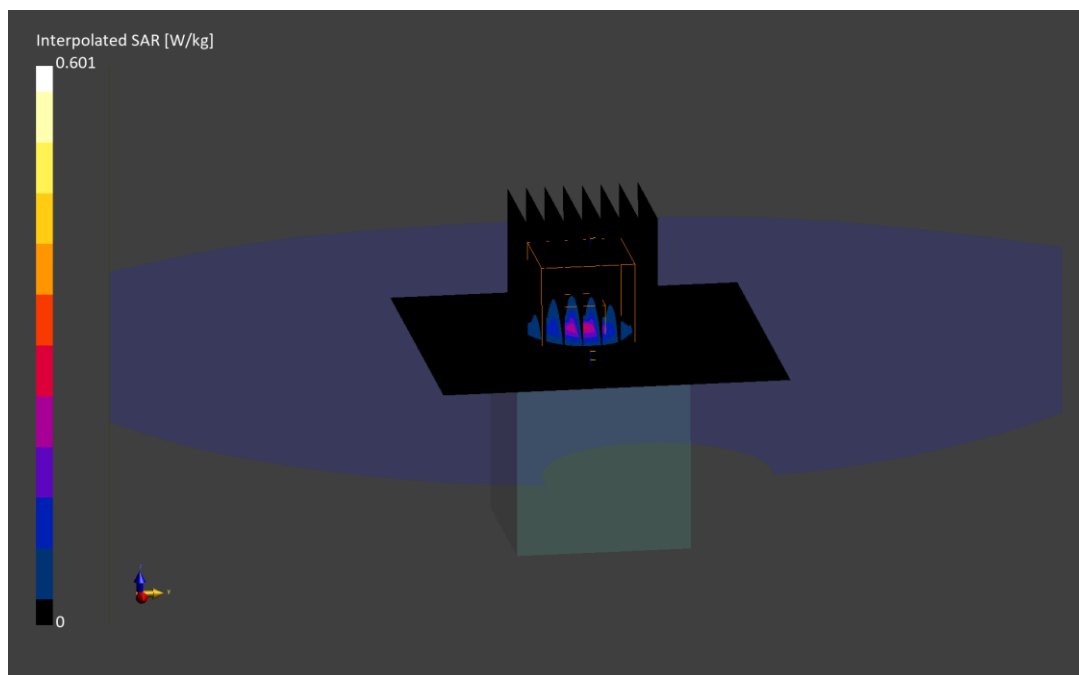
Reference Value = 0.23 W/kg; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.601 W/kg

SAR(1 g) = 0.179 W/kg

Smallest distance from peaks to all points 3 dB below is 5.5 mm

Ratio of SAR at M2 to SAR at M1 = 65.4 %



ELEMENT

DUT: BCGA3151; Type: Wireless Earbuds; Serial: FL6H3M00070000NRM

Communication System: UID:10032 - CAA, Bluetooth; MAIA: Y; Frequency: 2441.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2441.0 \text{ MHz}$; $\text{cond} = 1.82 \text{ S/m}$; $\text{perm} = 38.2$; $\text{density} = 1000 \text{ kg/m}^3$

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.39, 1Mbps, Back Side, S2 Position

Area Scan (80.0 x 80.0): Measurement grid: $dx=10.0 \text{ mm}$, $dy=10.0 \text{ mm}$

Zoom Scan (36.0 x 36.0 x 30.0): Measurement grid: $dx=3.6 \text{ mm}$, $dy=3.6 \text{ mm}$, $dz=1.5 \text{ mm}$; Graded Ratio: 1.5

Reference Value = 0.37 W/kg; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.284 W/kg

Smallest distance from peaks to all points 3 dB below is 4.4 mm

Ratio of SAR at M2 to SAR at M1 = 59.6 %

