

APPENDIX A: SAR TEST PLOTS

ELEMENT

DUT: 2BHDHBR00004; Type: Portable Drone Controller; Serial: 00009

Communication System: UID:0 - -, CW; MAIA: Y; Frequency: 2455.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2455.000$ MHz; $\text{cond} = 1.79$ S/m; $\text{perm} = 39.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 0.00 mm

Test Date: 08/26/2024; Ambient Temp: 22.3°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3914; ConvF:(7.52,6.84,6.89); Calibrated: 2024-05-10

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

Electronics: DAE4 Sn728; Calibrated: 2024-05-08

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 2.4GHz ISM Band, Antenna A, Exp: Body/Extremity| Back Side, Ch Low

Area Scan (240.0 x 300.0): 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

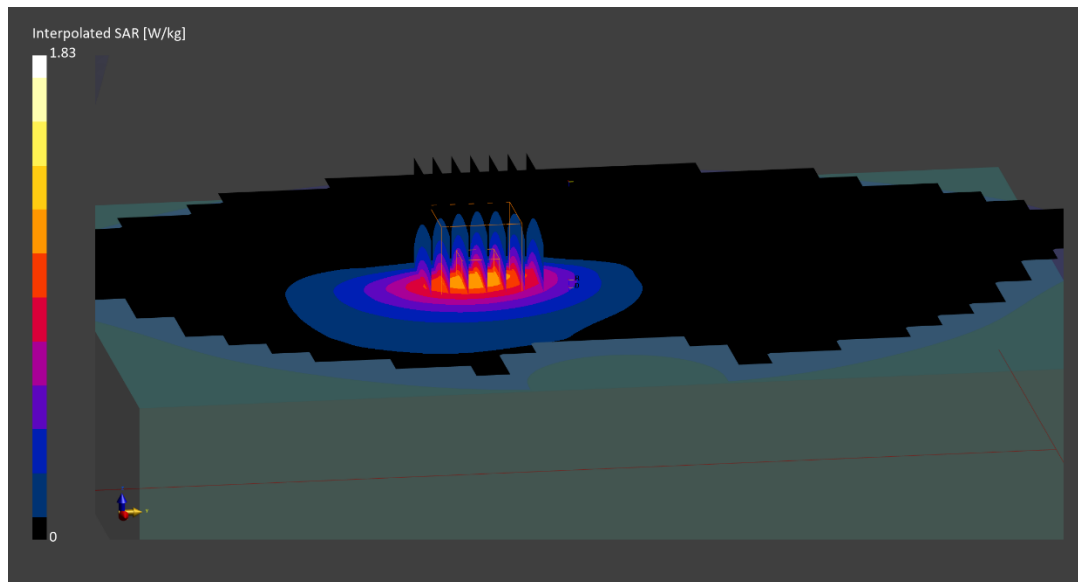
Reference Value = 0.98 W/kg; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.572 W/kg

Smallest distance from peaks to all points 3 dB below is 13.4 mm

Ratio of SAR at M2 to SAR at M1 = 82.0 %



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Phantom Section: Flat; Space: 0.00 mm

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

Electronics: DAE4 Sn728; Calibrated: 2024-05-08

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.4.2524

Mode: 2.4GHz ISM Band, Antenna B, Exp: Extremity| Top Edge, Ch Low

Area Scan (80.0 x 240.0): 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 = 2.47 W/kg; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 26.0 W/kg

SAR(10 g) = 5.38 W/kg

Smallest distance from peaks to all points 3 dB below is 8.5 mm

Ratio of SAR at M2 to SAR at M1 = 81.0 %

