

## APPENDIX B: SYSTEM VERIFICATION

# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN750**

Communication System: UID: 0, CW; Frequency: 2450.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2450.0$  MHz;  $\text{cond} = 1.71$  S/m;  $\text{perm} = 40.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 08/22/2024; Ambient Temp: 20.4°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7546; ConvF:(7.31,6.67,7.21); Calibrated: 2024-04-16

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

Electronics: DAE4 Sn1402; Calibrated: 2024-04-10

Phantom: Twin-SAM V8.0; Serial: 2029

Measurement SW: DASY Module SAR V16.2.4.2524

## 2450.0 MHz System Verification at 20.0 dBm (100 mW)

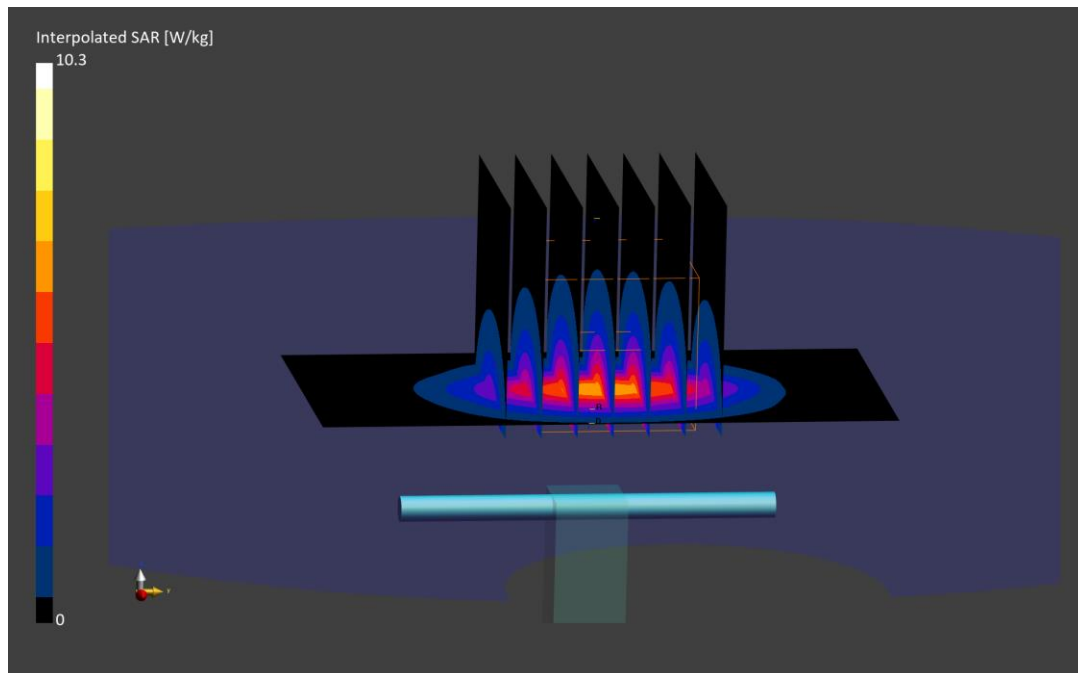
**Area Scan (40.0 x 80.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**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

Peak SAR (extrapolated) = 10.3 W/kg

**SAR(1 g) = 5.17 W/kg; SAR(10 g) = 2.44 W/kg**

Deviation (1 g) = -1.71%; Deviation (10 g) = -0.41%



# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN750**

Communication System: UID: 0, CW; Frequency: 2450.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2450.0$  MHz;  $\text{cond} = 1.79$  S/m;  $\text{perm} = 38.4$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 08/23/2024; Ambient Temp: 20.5°C; Tissue Temp: 23.1°C

Probe: EX3DV4 - SN7421; ConvF:(7.33,7.33,7.33); Calibrated: 2024-03-11

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

Electronics: DAE4 Sn604; Calibrated: 2024-03-06

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

Measurement SW: DASY Module SAR V16.2.4.2524

## 2450.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 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

Peak SAR (extrapolated) = 11.4 W/kg

**SAR(1 g) = 5.12 W/kg; SAR(10 g) = 2.29 W/kg**

Deviation (1 g) = -2.66%; Deviation (10 g) = -6.53%

