

## APPENDIX A: VERIFICATION PLOTS

# ELEMENT

**DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN719**

Communication System: UID: 0, CW; Frequency: 2450.000 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2450.000 MHz; cond = 1.83 S/m; perm = 37.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/02/2024; Ambient Temp: 23.1<sup>0</sup>C; Tissue Temp: 23.1<sup>0</sup>C

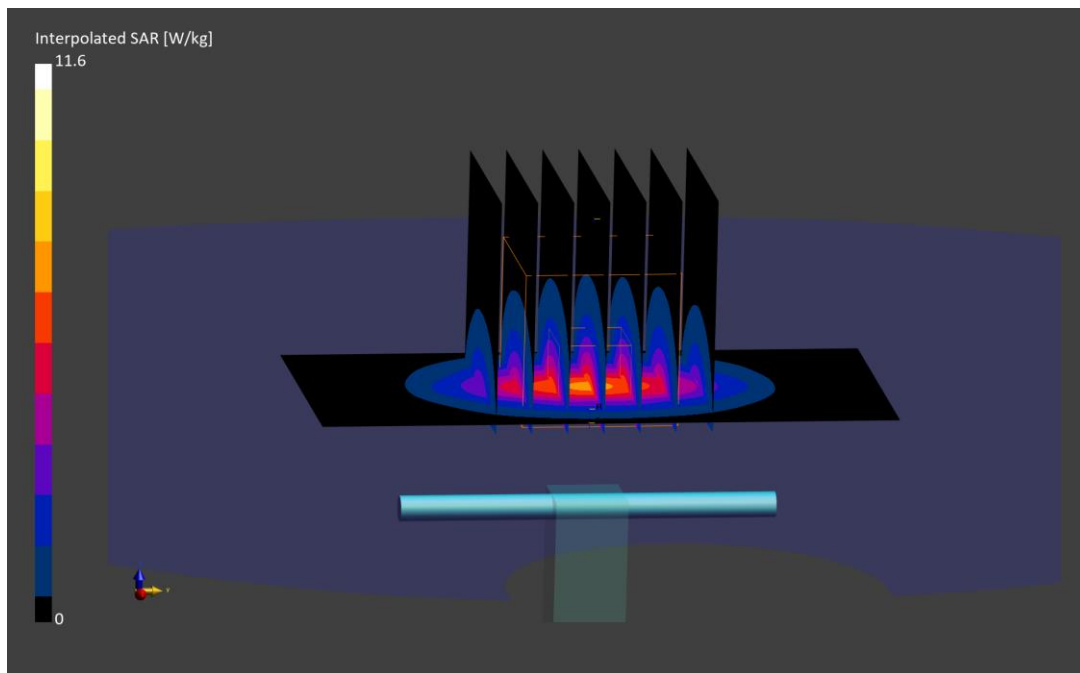
Probe: EX3DV4 - SN7551; ConvF:(7.56,7.56,7.56); 2023-11-14  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1323; 2023-11-15  
Phantom: Twin-SAM V8.0 (Left); Serial: 1964  
Measurement SW: DASY Module SAR V16.2.4.2524

## 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) = 11.6 W/kg  
**SAR(1 g) = 5.47 W/kg; SAR(10 g) = 2.57 W/kg**  
Deviation (1 g) = -0.55%



# ELEMENT

**DUT: Dipole 5250.000 MHz; Type: D5GHzV2 - SN1057**

Communication System: UID: 0, CW; Frequency: 5250.000 MHz  
Medium: 5200-5800 Head; Medium parameters used:  
f = 5250.000 MHz; cond = 4.54 S/m; perm = 35.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/02/2024; Ambient Temp: 24.1<sup>0</sup>C; Tissue Temp: 20.0<sup>0</sup>C

Probe: EX3DV4 - SN7571; ConvF:(5.14,5.14,5.14); 2024-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn859; 2024-01-09  
Phantom: Twin-SAM V8.0; Serial: 1978  
Measurement SW: DASY Module SAR V16.2.4.2524

## 5250.0 MHz System Verification at 17.0 dBm (50 mW)

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

**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded  
Ratio: 1.4

Peak SAR (extrapolated) = 13.9 W/kg  
**SAR(1 g) = 3.78 W/kg; SAR(10 g) = 1.09 W/kg**  
Deviation (1 g) = -4.79%

