

## APPENDIX A: VERIFICATION PLOTS

# ELEMENT

**DUT: Dipole 5750.000 MHz; Type: D5GHzV2 - SN1191**

Communication System: UID: 0, CW; Frequency: 5750.000 MHz  
Medium: Head Simulating Liquid; Medium parameters used:  
 $f = 5750.000$  MHz;  $\text{cond} = 5.18$  S/m;  $\text{perm} = 35.2$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/09/2025; Ambient Temp: 21.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7803; ConvF:(4.79,4.89,4.98); 2024-06-28  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1583; 2024-07-08  
Phantom: Twin-SAM V8.0; Serial: 2065  
Measurement SW: DASY Module SAR V16.4.0.5005

## 5750.0 MHz System Verification at 17.0 dBm (50 mW)

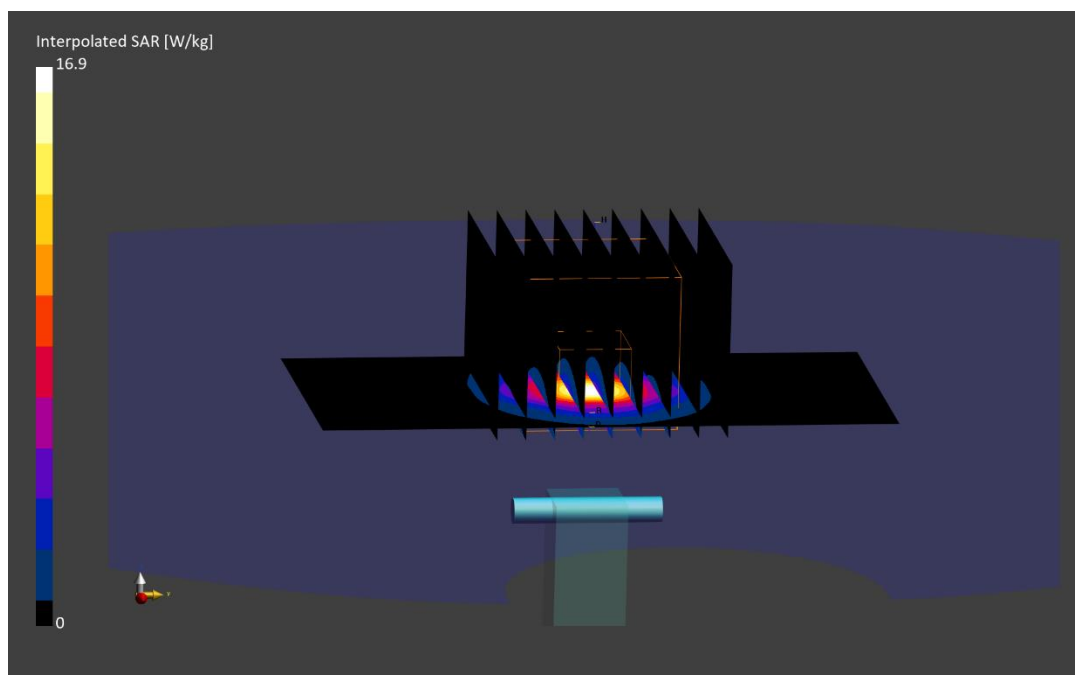
**Area Scan (40.0 x 80.0):** Measurement grid:  $dx=10.0$  mm,  $dy=10.0$  mm

**Zoom Scan (32.0 x 32.0 x 22.9):** Measurement grid:  $dx=4.0$  mm,  $dy=4.0$  mm,  $dz=1.4$  mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 16.9 W/kg

**SAR(1 g) = 3.85 W/kg**

Deviation (1 g) = -2.41%



# ELEMENT

**DUT: Dipole 6500.000 MHz; Type: D6.5GHzV2 - SN1018**

Communication System: UID: 0, CW; Frequency: 6500.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 6500.000$  MHz;  $\text{cond} = 5.83$  S/m;  $\text{perm} = 33.6$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 5 mm

Test Date: 06/10/2025; Ambient Temp: 24.2°C; Tissue Temp: 23.9°C

Probe: EX3DV4 - SN7570; ConvF:(5.35,5.65,5.29); 2025-02-10

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

Electronics: DAE4ip Sn1638; 2025-02-07

Phantom: Twin-SAM V8.0; Serial: 1979

Measurement SW: DASY Module SAR V16.4.0.5005

## 6500.0 MHz System Verification at 14.0 dBm (25 mW)

**Area Scan (51.0 x 85.0):** Measurement grid:  $dx=8.5$  mm,  $dy=8.5$  mm

**Zoom Scan (27.2 x 27.2 x 22.9):** Measurement grid:  $dx=3.4$  mm,  $dy=3.4$  mm,  $dz=1.4$  mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 42.4 W/kg

**SAR(1 g) = 6.83 W/kg**

Deviation (1 g) = -6.44%

