# APPENDIX B: SYSTEM VERIFICATION

# ELEMENT

### DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1126

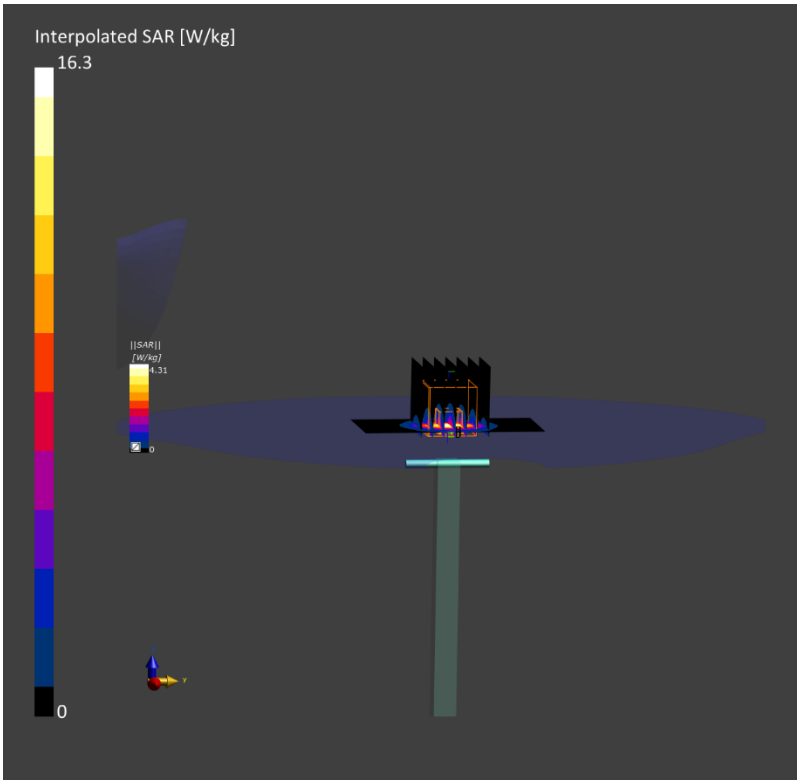
Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3500.0 MHz; cond = 3.39 S/m; perm = 50.9; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 12/27/2021; Ambient Temp: 22.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7674; ConvF:(6.18,6.18,6.18); Calibrated: 2021-09-06
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1683; Calibrated: 2021-08-06
Phantom: Twin-SAM V8.0; Serial: 2071
Measurement SW: DASY Module SAR V16.0.0.116

## 3500 MHz System Verification at 20 dBm (100 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (28.0 x 28.0 x 28.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 16.3 W/kg
**SAR(1 g) = 6.58 W/kg; SAR(10 g) = 2.47 W/kg**
Deviation (1 g) = 3.46%; Deviation (10 g) = 4.66%;



# ELEMENT

### DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1097

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3700.0 MHz; cond = 3.60 S/m; perm = 50.6; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 12/27/2021; Ambient Temp: 22.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7674; ConvF:(6.03,6.03,6.03); Calibrated: 2021-09-06
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1683; Calibrated: 2021-08-06
Phantom: Twin-SAM V8.0; Serial: 2071
Measurement SW: DASY Module SAR V16.0.0.116

## 3700 MHz System Verification at 20 dBm (100 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (28.0 x 28.0 x 28.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 16.1 W/kg
**SAR(1 g) = 6.23 W/kg; SAR(10 g) = 2.27 W/kg**
Deviation (1 g) = 0.00%; Deviation (10 g) = 2.25%;