

**APPENDIX B: SAR DIPOLE VERIFICATION PLOTS**

# ELEMENT

**DUT: Dipole 750.0 MHz; Type: D750V3 - SN1046**

Communication System: UID: 0, CW; Frequency: 750.0 MHz  
Medium: 750 Head; Medium parameters used:  
f = 750.0 MHz; cond = 0.885 S/m; perm = 41.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 10/19/2023; Ambient Temp: 20.4°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7640; ConvF:(10.91,10.91,10.91); 2023-02-10  
Sensor-Surface: 1.4mm (All points)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 ; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 750.0 MHz System Verification at 23.0 dBm (200 mW)

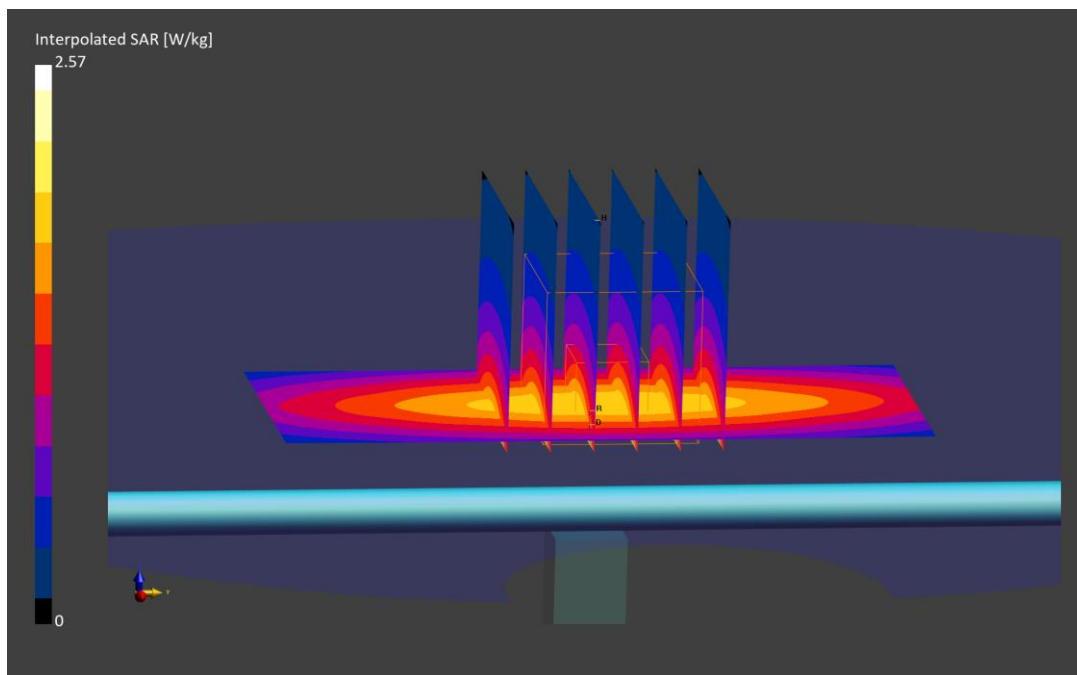
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 2.57 W/kg

**SAR(1 g) = 1.66 W/kg; SAR(10 g) = 1.10 W/kg**

Deviation (1 g) = -4.49%; Deviation (10 g) = -3.51%



# ELEMENT

**DUT: Dipole 750.0 MHz; Type: D750V3 - SN1046**

Communication System: UID: 0, CW; Frequency: 750.0 MHz  
Medium: 750 Head; Medium parameters used:  
f = 750.0 MHz; cond = 0.919 S/m; perm = 41.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 10/23/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7640; ConvF:(10.91,10.91,10.91); 2023-02-10  
Sensor-Surface: 1.4mm (All points)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 ; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 750.0 MHz System Verification at 23.0 dBm (200 mW)

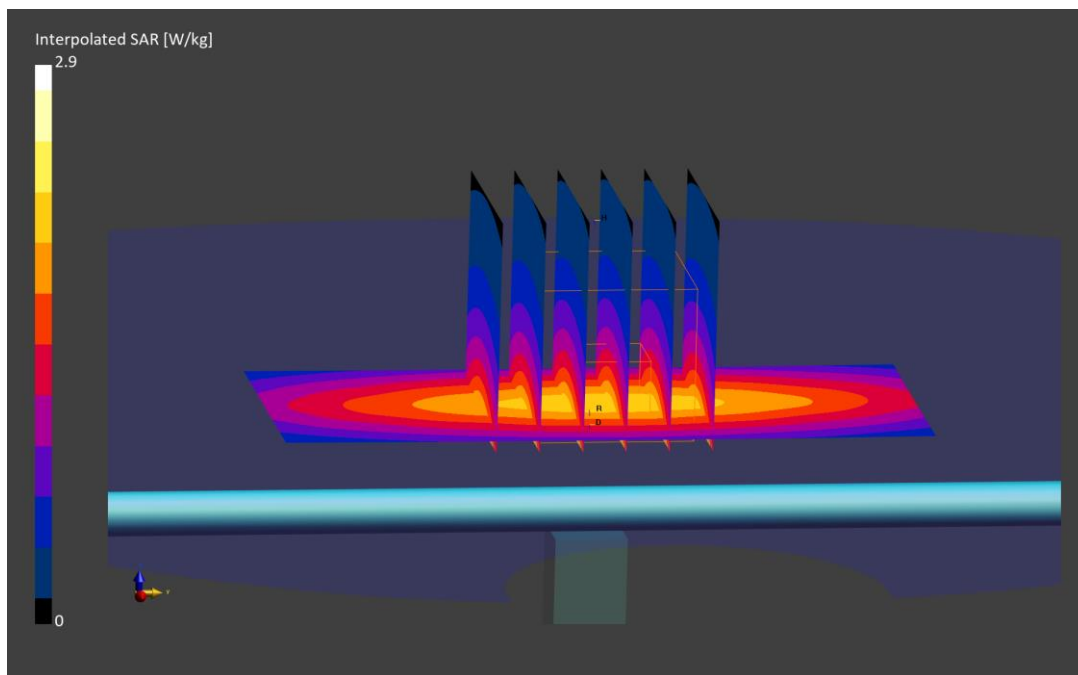
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 2.90 W/kg

**SAR(1 g) = 1.82 W/kg; SAR(10 g) = 1.19 W/kg**

Deviation (1 g) = 4.72%; Deviation (10 g) = 4.39%



# ELEMENT

**DUT: Dipole 835.0 MHz; Type: D835V2 - SN460**

Communication System: UID: 0, CW; Frequency: 835.0 MHz  
Medium: 835 Head; Medium parameters used:  
f = 835.0 MHz; cond = 0.905 S/m; perm = 40.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 10/19/2023; Ambient Temp:21.0°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7532; ConvF:(10.37,10.37,10.37); 2023-04-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn501; 2023-04-14  
Phantom: Twin-SAM V8.0; Serial: 2067  
Measurement SW: DASY Module SAR V16.2.0.1425

## 835.0 MHz System Verification at 23.0 dBm (200 mW)

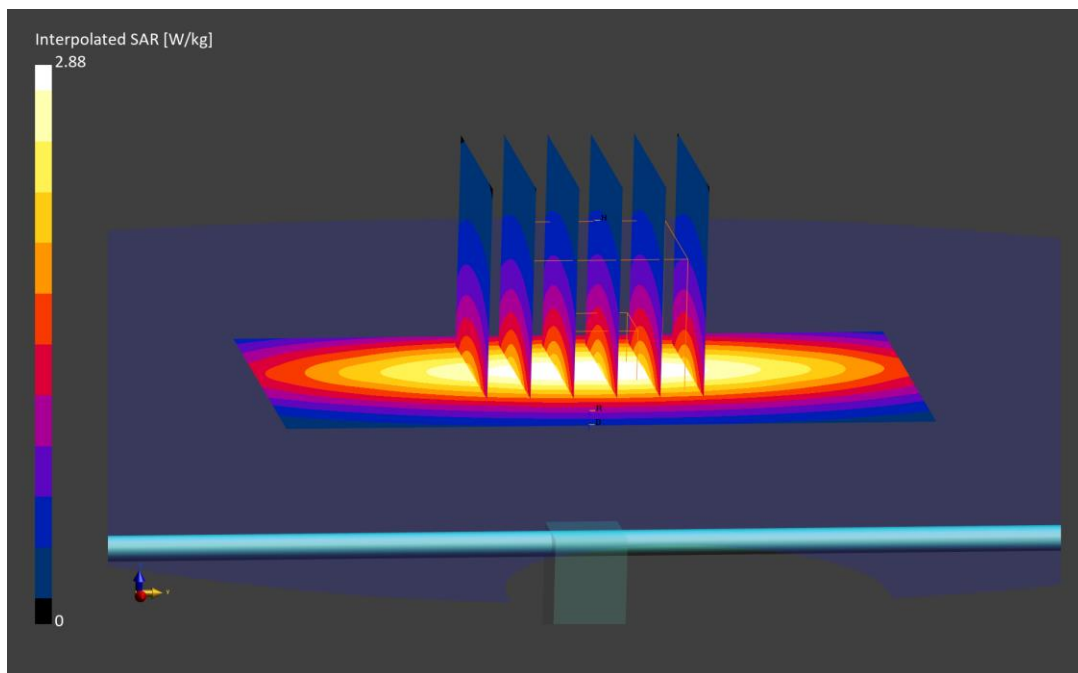
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 2.88 W/kg

**SAR(1 g) = 1.95 W/kg; SAR(10 g) = 1.29 W/kg**

Deviation (1 g) = 0.31%; Deviation (10 g) = 1.74%



# ELEMENT

**DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d119**

Communication System: UID: 0, CW; Frequency: 835.0 MHz  
Medium: 835 Head; Medium parameters used:  
f = 835.0 MHz; cond = 0.912 S/m; perm = 42.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 10/24/2023; Ambient Temp: 21.1 °C; Tissue Temp: 20.5 °C

Probe: EX3DV4 - SN7491; ConvF:(9.72,9.72,9.72); 2023-06-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1532; 2023-06-15  
Phantom: Twin-SAM V5.0 ; Serial: 1797  
Measurement SW: DASY Module SAR V16.2.0.1425

## 835.0 MHz System Verification at 23.0 dBm (200 mW)

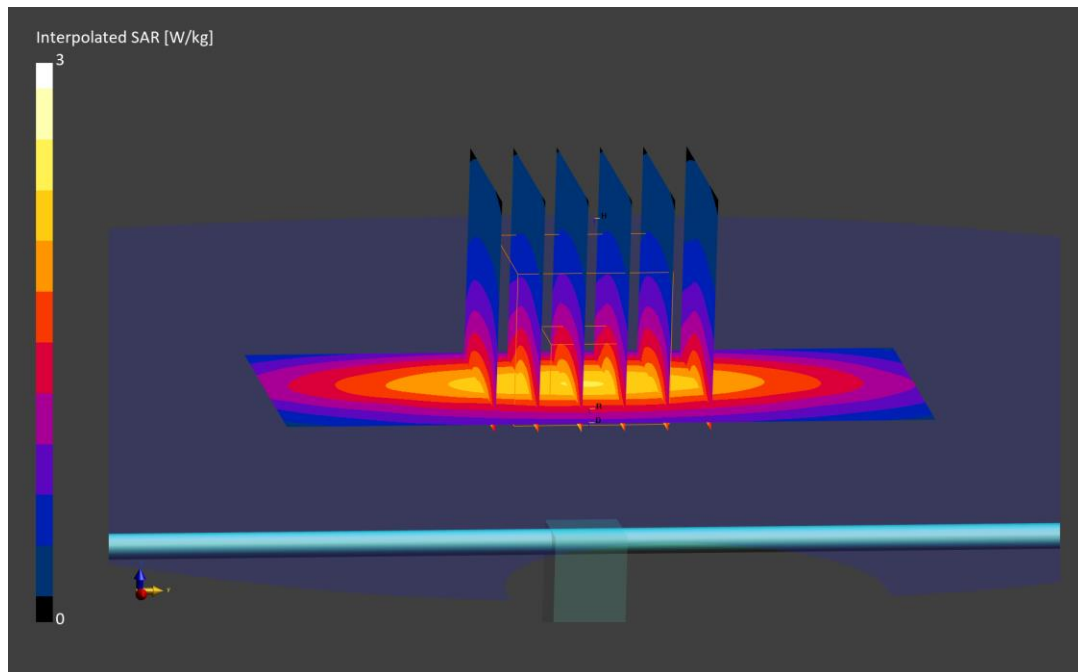
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 2.94 W/kg

**SAR(1 g) = 1.93 W/kg; SAR(10 g) = 1.27 W/kg**

Deviation (1 g) = -0.72%; Deviation (10 g) = -0.47%



# ELEMENT

**DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d119**

Communication System: UID: 0, CW; Frequency: 835.0 MHz  
Medium: 835 Head; Medium parameters used:  
f = 835.0 MHz; cond = 0.900 S/m; perm = 41.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 10/26/2023; Ambient Temp: 21.6°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7491; ConvF:(9.72,9.72,9.72); 2023-06-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1532; 2023-06-15  
Phantom: Twin-SAM V5.0 ; Serial: 1797  
Measurement SW: DASY Module SAR V16.2.0.1425

## 835.0 MHz System Verification at 23.0 dBm (200 mW)

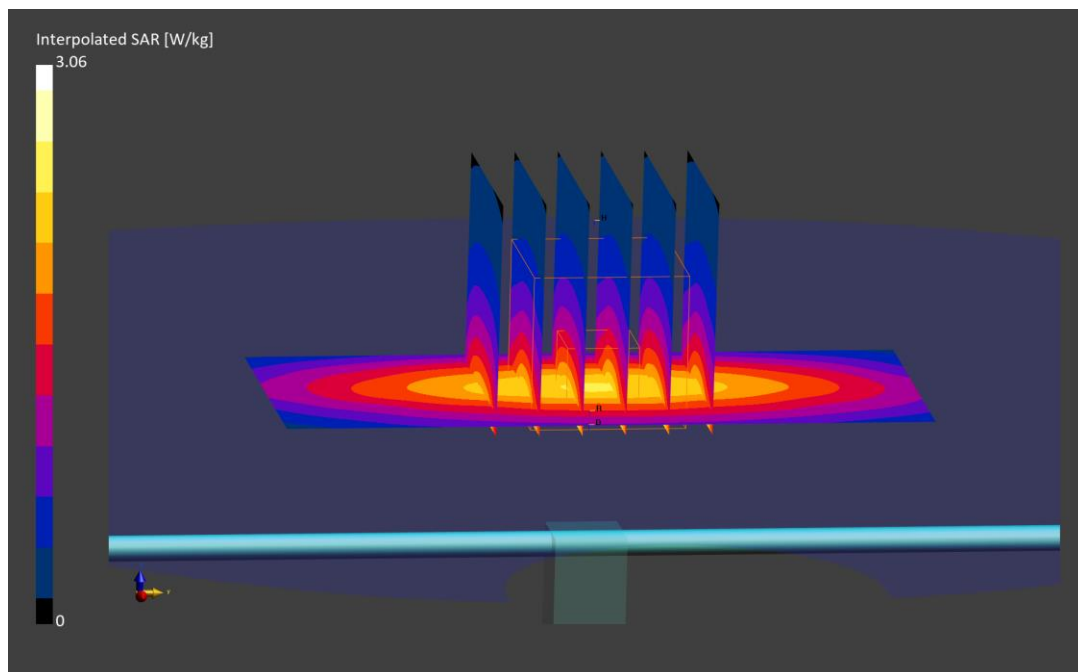
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 3.06 W/kg

**SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.31 W/kg**

Deviation (1 g) = 3.40%; Deviation (10 g) = 2.66%



# ELEMENT

**DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d180**

Communication System: UID: 0, CW; Frequency: 835.0 MHz  
Medium: 835 Head; Medium parameters used:  
f = 835.0 MHz; cond = 0.918 S/m; perm = 40.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 10/30/2023; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7565; ConvF:(9.16,9.16,9.16); 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; 2023-01-20  
Phantom: Twin-SAM V8.0 ; Serial: 1937  
Measurement SW: DASY Module SAR V16.2.0.1425

## 835.0 MHz System Verification at 23.0 dBm (200 mW)

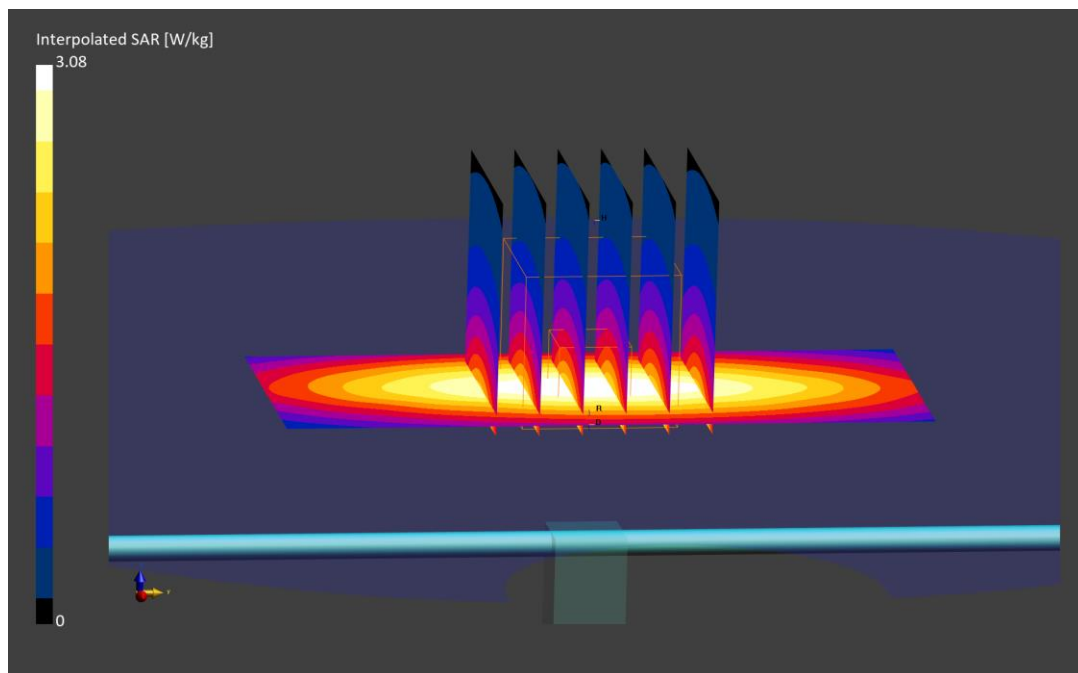
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 3.08 W/kg

**SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.31 W/kg**

Deviation (1 g) = 4.88%; Deviation (10 g) = 4.47%



# ELEMENT

**DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d180**

Communication System: UID: 0, CW; Frequency: 835.0 MHz  
Medium: 835 Head; Medium parameters used:  
f = 835.0 MHz; cond = 0.936 S/m; perm = 39.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 11/01/2023; Ambient Temp: 22.7°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN7565; ConvF:(9.16,9.16,9.16); 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; 2023-01-20  
Phantom: Twin-SAM V8.0 ; Serial: 1937  
Measurement SW: DASYS Module SAR V16.2.0.1425

## 835.0 MHz System Verification at 23.0 dBm (200 mW)

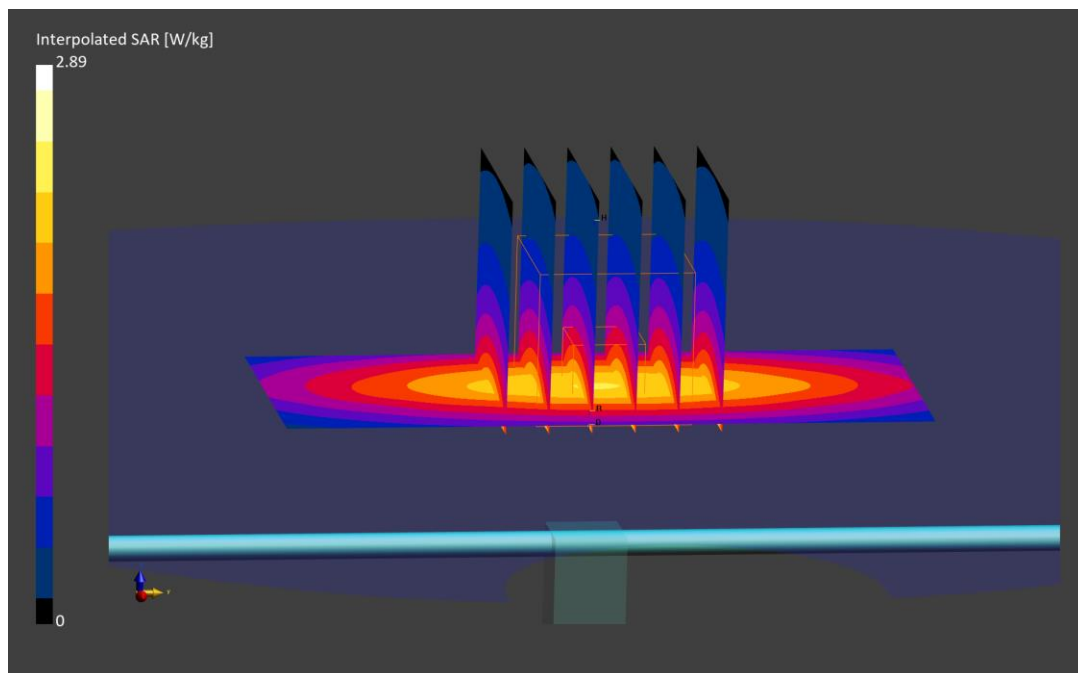
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 2.89 W/kg

**SAR(1 g) = 1.89 W/kg; SAR(10 g) = 1.24 W/kg**

Deviation (1 g) = -1.87%; Deviation (10 g) = -1.12%





# ELEMENT

**DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d119**

Communication System: UID: 0, CW; Frequency: 835.0 MHz  
Medium: 835 Head; Medium parameters used:  
f = 835.0 MHz; cond = 0.908 S/m; perm = 41.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 11/17/2023; Ambient Temp: 21.8°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7640; ConvF:(10.56,10.56,10.56); 2023-02-10  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 ; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 835.0 MHz System Verification at 23.0 dBm (200 mW)

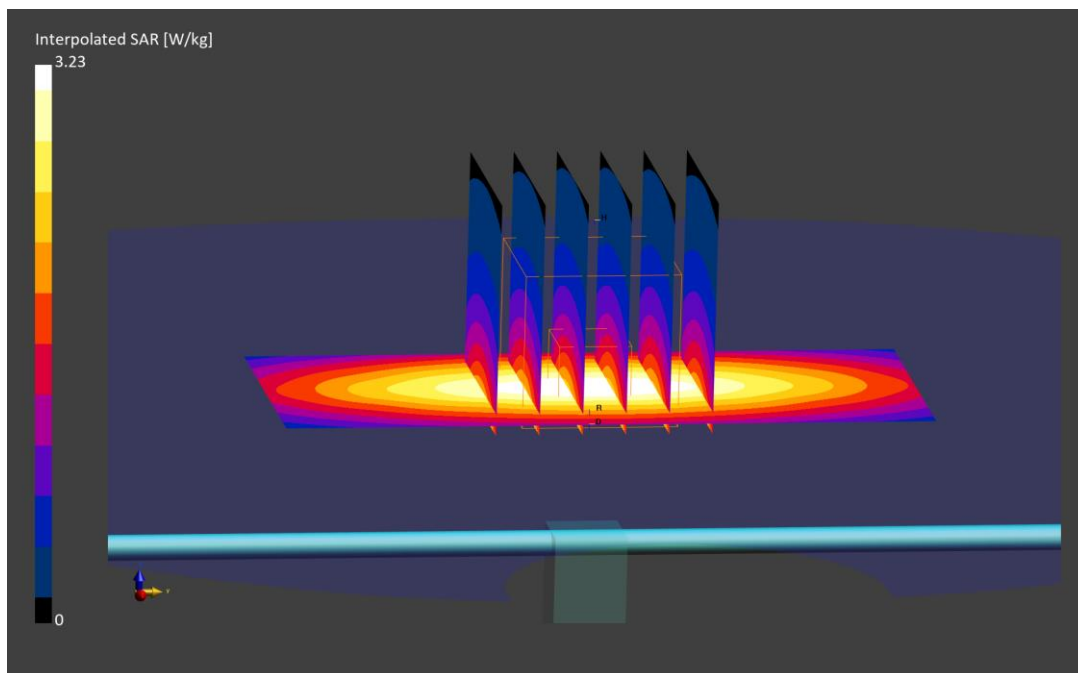
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 3.23 W/kg

**SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.30 W/kg**

Deviation (1 g) = 3.40%; Deviation (10 g) = 1.88%



# ELEMENT

**DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1051**

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Head; Medium parameters used:  
f = 1750.0 MHz; cond = 1.36 S/m; perm = 40.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 10/30/2023; Ambient Temp: 20.1°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7558; ConvF:(8.94,8.94,8.94); 2023-09-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1364; 2023-09-06  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750.0 MHz System Verification at 20.0 dBm (100 mW)

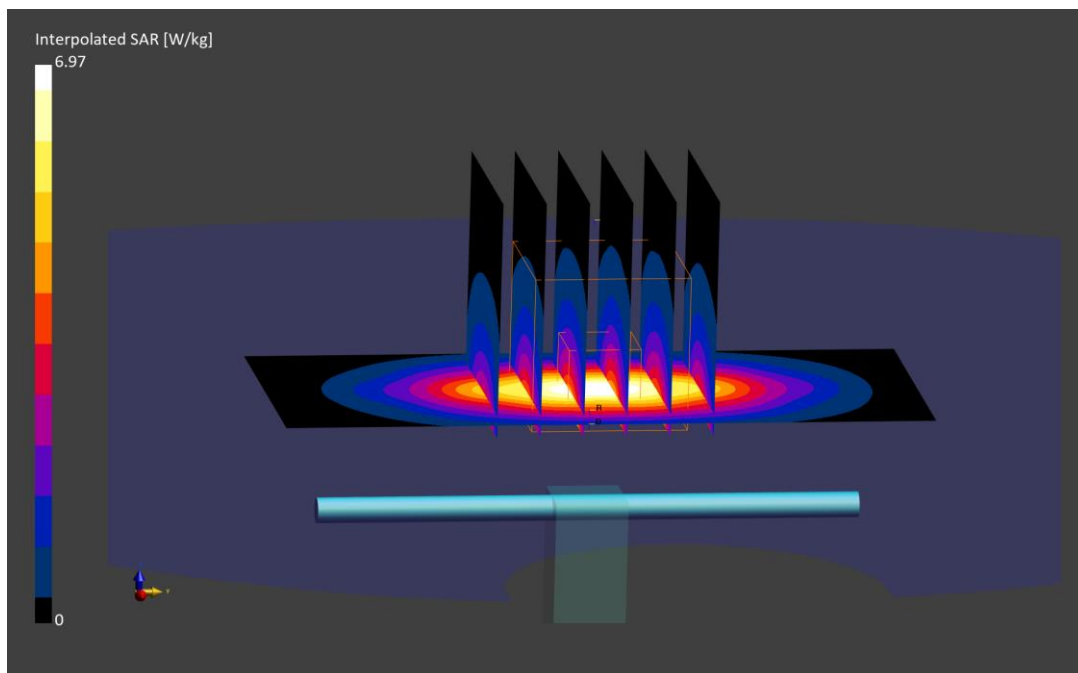
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 6.97 W/kg

**SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.98 W/kg**

Deviation (1 g) = 2.77%; Deviation (10 g) = 4.21%



# ELEMENT

**DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1051**

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Head; Medium parameters used:  
f = 1750.0 MHz; cond = 1.35 S/m; perm = 39.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 10/31/2023; Ambient Temp: 21.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7491; ConvF:(8.69,8.69,8.69); 2023-06-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1532; 2023-06-15  
Phantom: Twin-SAM V5.0 ; Serial: 1797  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750.0 MHz System Verification at 20.0 dBm (100 mW)

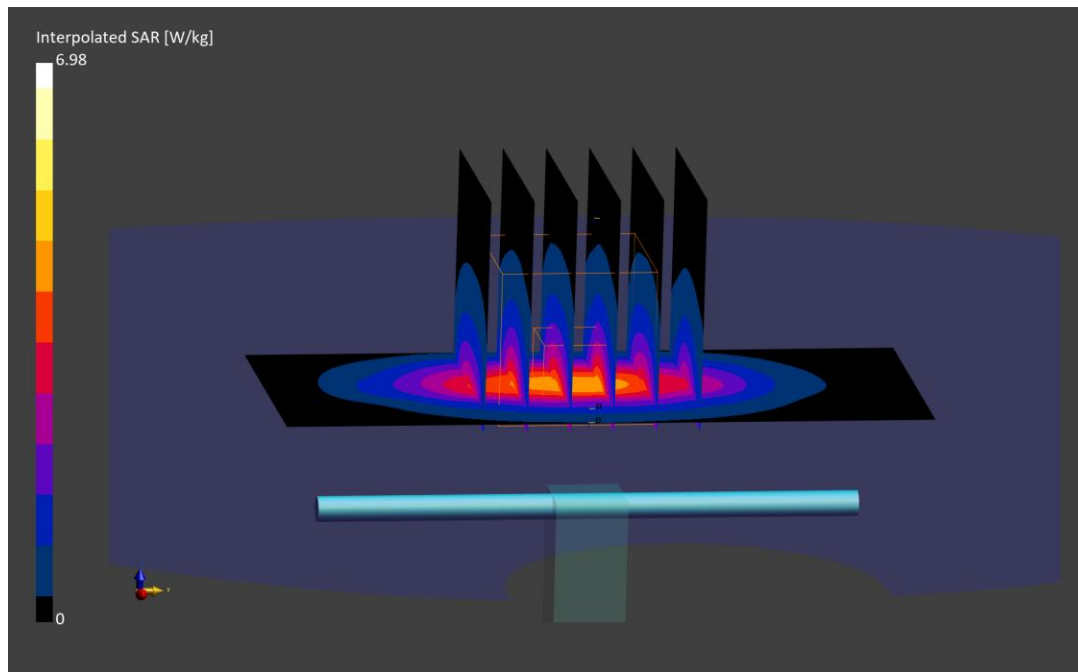
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 6.98 W/kg

**SAR(1 g) = 3.61 W/kg; SAR(10 g) = 1.91 W/kg**

Deviation (1 g) = 0.00%; Deviation (10 g) = 0.53%



# ELEMENT

**DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1148**

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Head; Medium parameters used:  
f = 1750.0 MHz; cond = 1.35 S/m; perm = 41.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 11/07/2023; Ambient Temp: 22.3°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7661; ConvF:(8.97,8.97,8.97); 2023-06-14  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn728; 2023-05-11  
Phantom: Twin-SAM V8.0; Serial: 2064  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750.0 MHz System Verification at 20.0 dBm (100 mW)

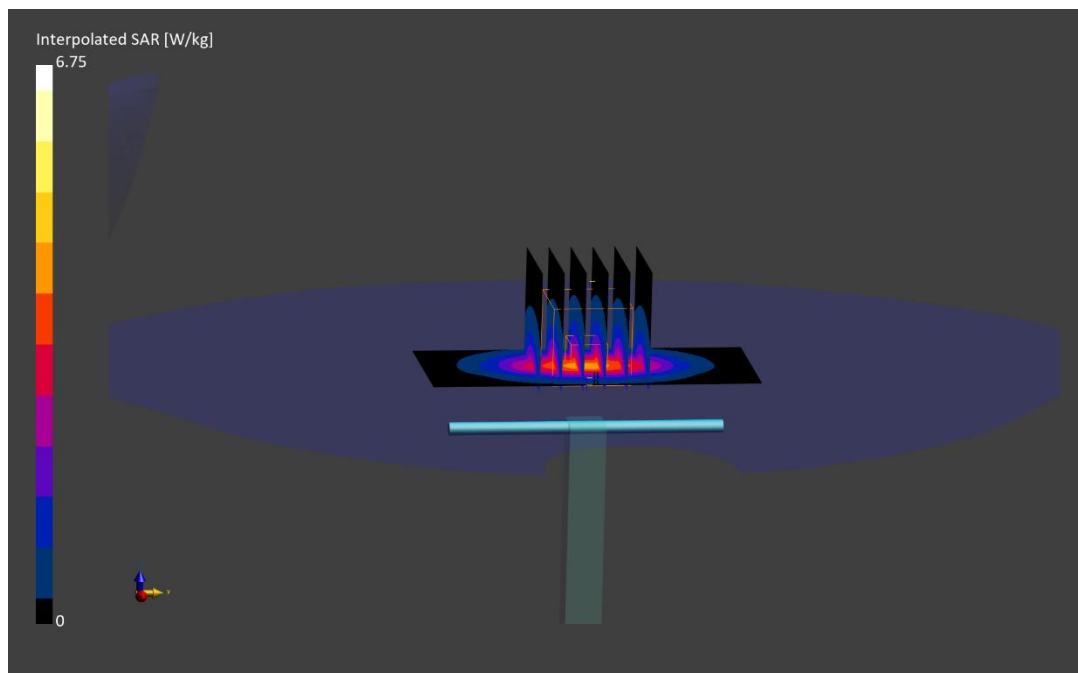
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 6.75 W/kg

**SAR(1 g) = 3.47 W/kg; SAR(10 g) = 1.84 W/kg**

Deviation (1 g) = -6.72%; Deviation (10 g) = -5.15%



# ELEMENT

**DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1092**

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Head; Medium parameters used:  
f = 1750.0 MHz; cond = 1.37 S/m; perm = 39.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 11/09/2023; Ambient Temp: 22.8°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7491; ConvF:(8.69,8.69,8.69); 2023-06-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1532; 2023-06-15  
Phantom: Twin-SAM V5.0 ; Serial: 1797  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750.0 MHz System Verification at 20.0 dBm (100 mW)

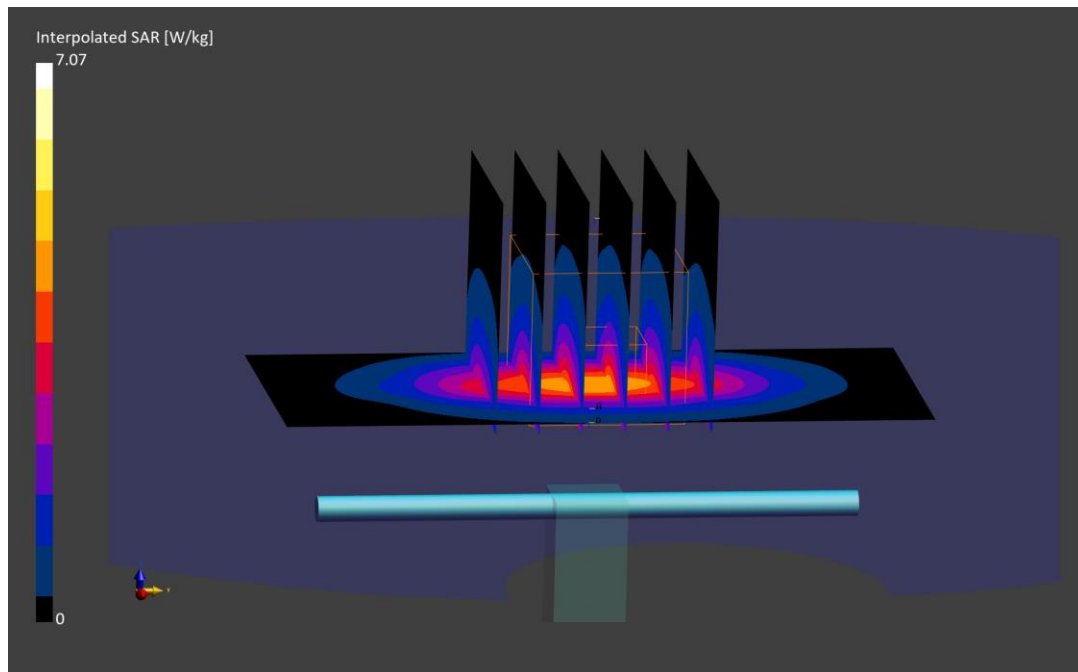
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 7.07 W/kg

**SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.94 W/kg**

Deviation (1 g) = 1.66%; Deviation (10 g) = 1.57%



# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d141**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Head; Medium parameters used:  
f = 1900.0 MHz; cond = 1.45 S/m; perm = 38.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 10/31/2023; Ambient Temp: 22.7°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.82,8.82,8.82); 2023-02-10  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 ; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900.0 MHz System Verification at 20.0 dBm (100 mW)

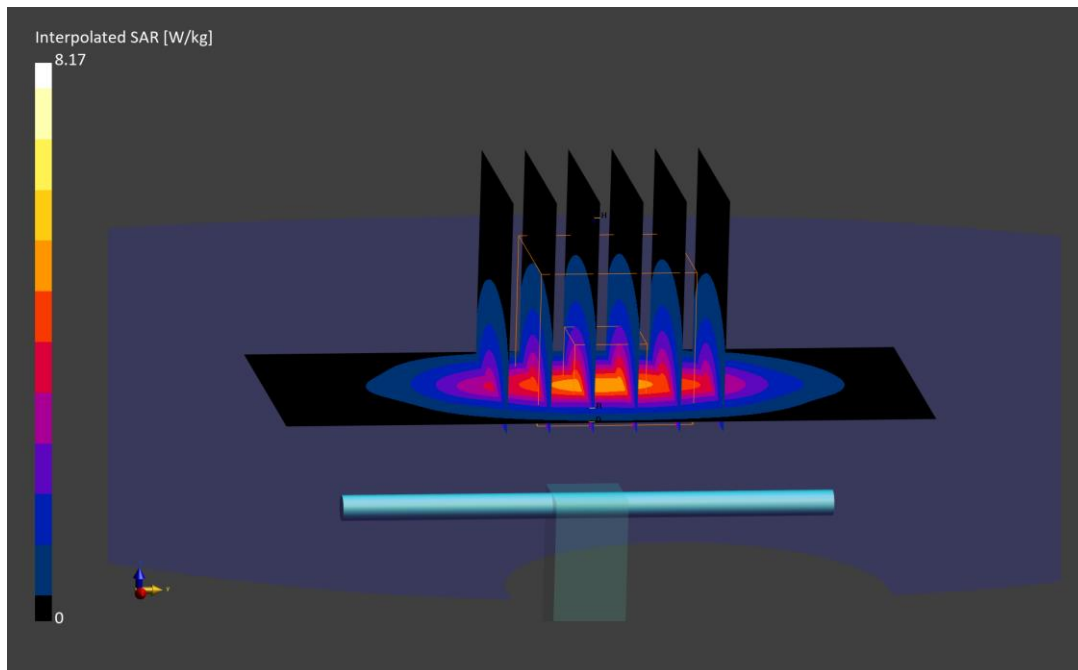
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 8.17 W/kg

**SAR(1 g) = 4.20 W/kg; SAR(10 g) = 2.15 W/kg**

Deviation (1 g) = 5.26%; Deviation (10 g) = 3.37%



# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d141**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Head; Medium parameters used:  
f = 1900.0 MHz; cond = 1.46 S/m; perm = 39.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 11/02/2023; Ambient Temp: 20.0°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.82,8.82,8.82); 2023-02-10  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 ; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900.0 MHz System Verification at 20.0 dBm (100 mW)

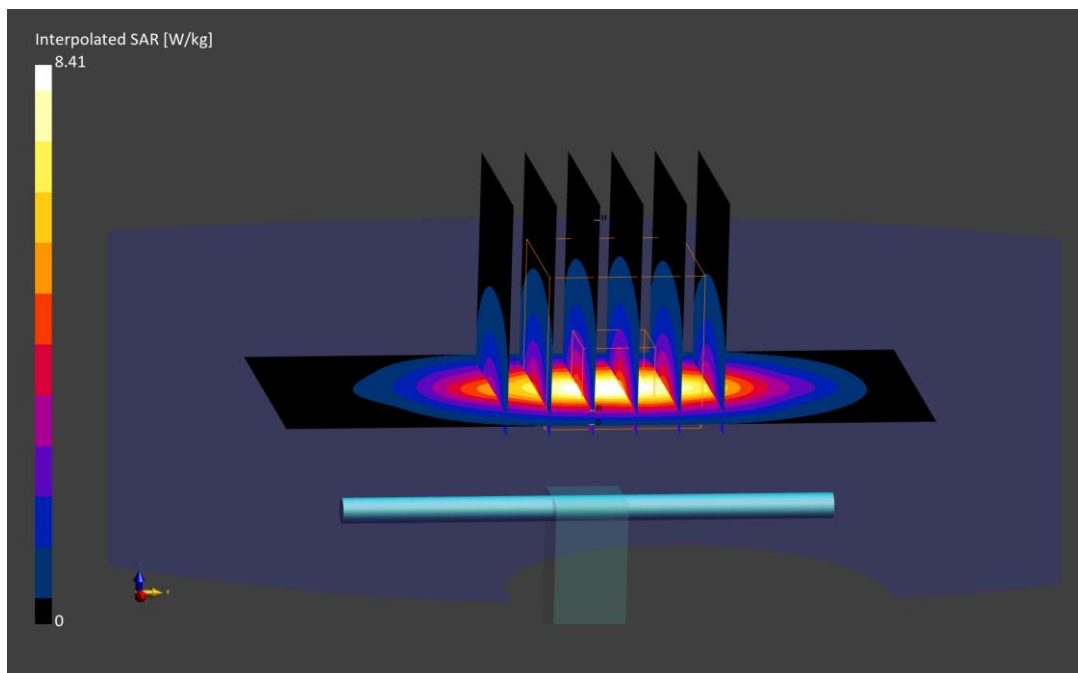
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 8.41 W/kg

**SAR(1 g) = 4.30 W/kg; SAR(10 g) = 2.20 W/kg**

Deviation (1 g) = 7.77%; Deviation (10 g) = 5.77%



# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d141**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Head; Medium parameters used:  
f = 1900.0 MHz; cond = 1.45 S/m; perm = 39.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 10/31/2023; Ambient Temp: 21.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7491; ConvF:(8.27,8.27,8.27); 2023-06-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1532; 2023-06-15  
Phantom: Twin-SAM V5.0 ; Serial: 1797  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900.0 MHz System Verification at 20.0 dBm (100 mW)

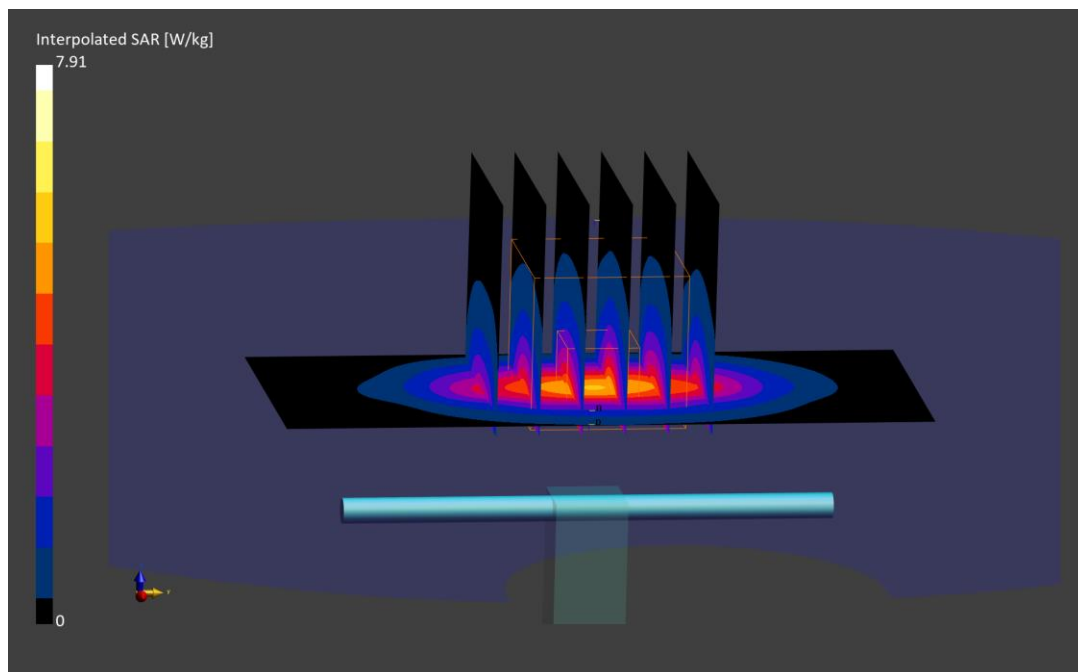
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 7.91 W/kg

**SAR(1 g) = 4.16 W/kg; SAR(10 g) = 2.14 W/kg**

Deviation (1 g) = 4.26%; Deviation (10 g) = 2.88%





# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d141**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Head; Medium parameters used:  
f = 1900.0 MHz; cond = 1.44 S/m; perm = 39.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 11/02/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7491; ConvF:(8.27,8.27,8.27); 2023-06-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1532; 2023-06-15  
Phantom: Twin-SAM V5.0 ; Serial: 1797  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900.0 MHz System Verification at 20.0 dBm (100 mW)

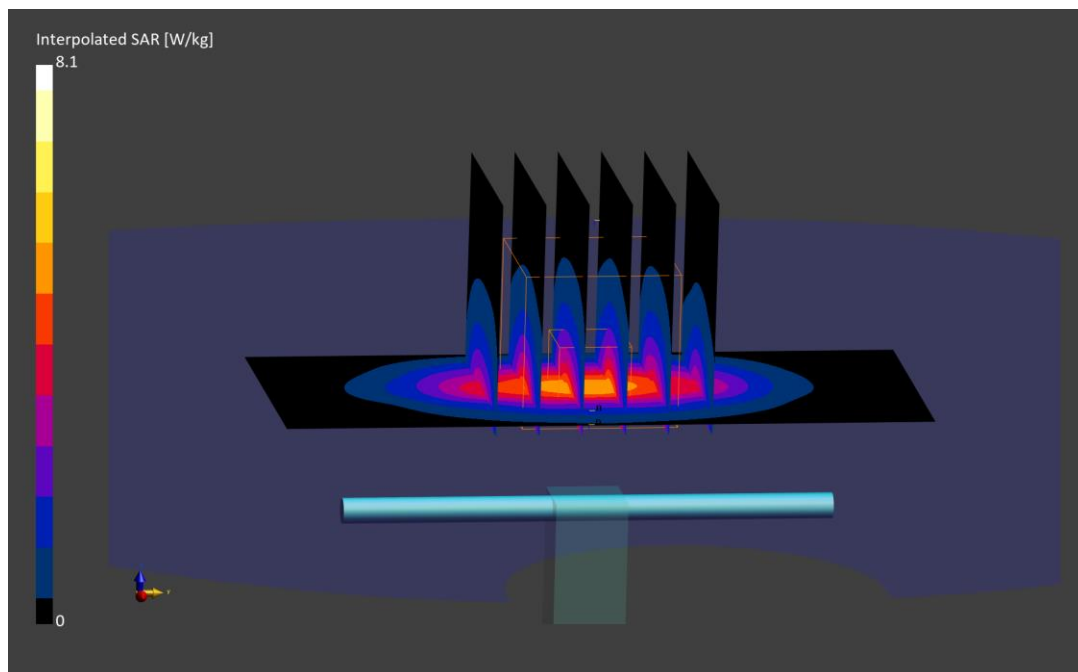
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 8.10 W/kg

**SAR(1 g) = 4.13 W/kg; SAR(10 g) = 2.10 W/kg**

Deviation (1 g) = 3.51%; Deviation (10 g) = 0.96%



# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN945**

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2450.0 MHz; cond = 1.84 S/m; perm = 38.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2023; Ambient Temp: 20.7°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.64,8.64,8.64); 2023-02-10  
Sensor-Surface: 1.4mm (All points)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 ; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

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

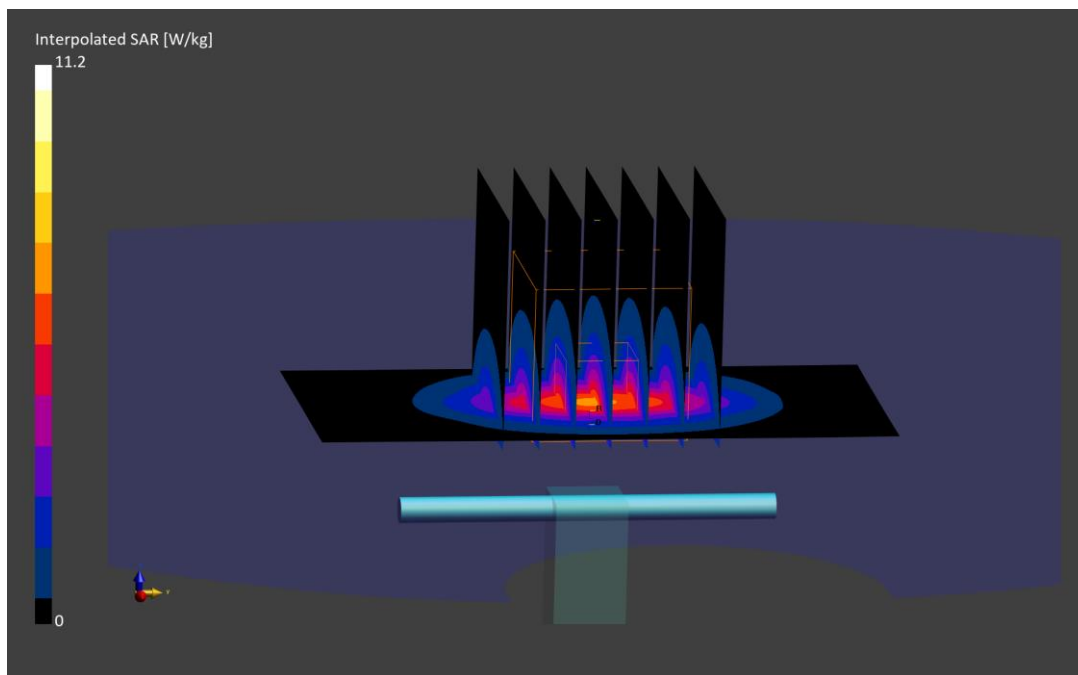
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 11.2 W/kg

**SAR(1 g) = 5.19 W/kg; SAR(10 g) = 2.40 W/kg**

Deviation (1 g) = 0.00%; Deviation (10 g) = -2.44%



# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN882**

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2450.0 MHz; cond = 1.82 S/m; perm = 38.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 10/23/2023; Ambient Temp: 20.0°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7565; ConvF:(7.08,7.08,7.08); 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; 2023-01-20  
Phantom: Twin-SAM V8.0 ; Serial: 1937  
Measurement SW: DASY Module SAR V16.2.0.1425

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

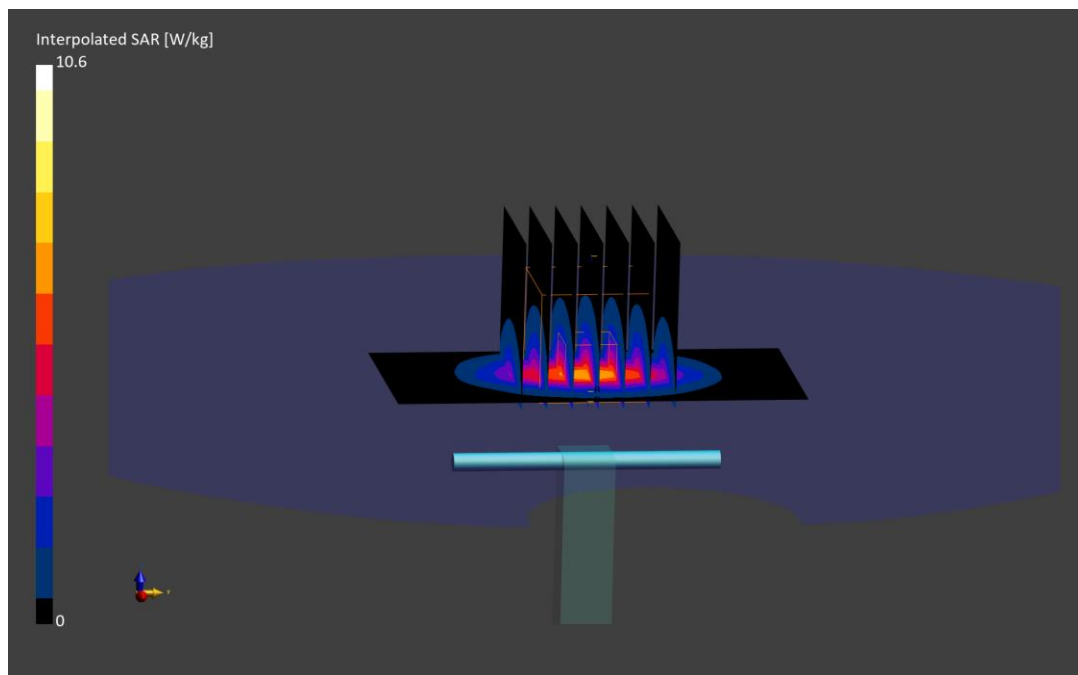
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 10.6 W/kg

**SAR(1 g) = 5.17 W/kg; SAR(10 g) = 2.41 W/kg**

Deviation (1 g) = 0.00%; Deviation (10 g) = -0.41%



# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981**

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2450.0 MHz; cond = 1.77 S/m; perm = 37.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 11/02/2023; Ambient Temp: 23.9°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7713; ConvF:(8.26,8.26,8.26); 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1530; 2023-01-18  
Phantom: Twin-SAM V8.0; Serial: 2065  
Measurement SW: DASY Module SAR V16.2.0.1425

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

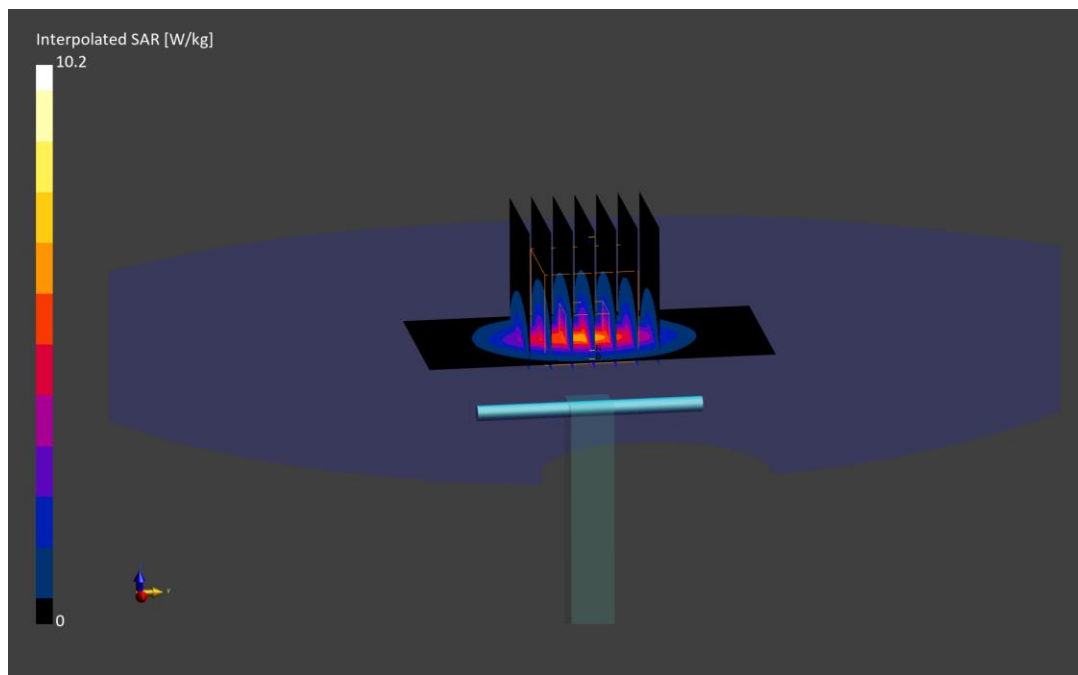
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 10.2 W/kg

**SAR(1 g) = 4.94 W/kg; SAR(10 g) = 2.32 W/kg**

Deviation (1 g) = -8.35%; Deviation (10 g) = -8.66%



# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981**

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2450.0 MHz; cond = 1.79 S/m; perm = 37.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 11/08/2023; Ambient Temp: 24.0°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.26,8.26,8.26); 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1530; 2023-01-18  
Phantom: Twin-SAM V8.0; Serial: 2065  
Measurement SW: DASY Module SAR V16.2.0.1425

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

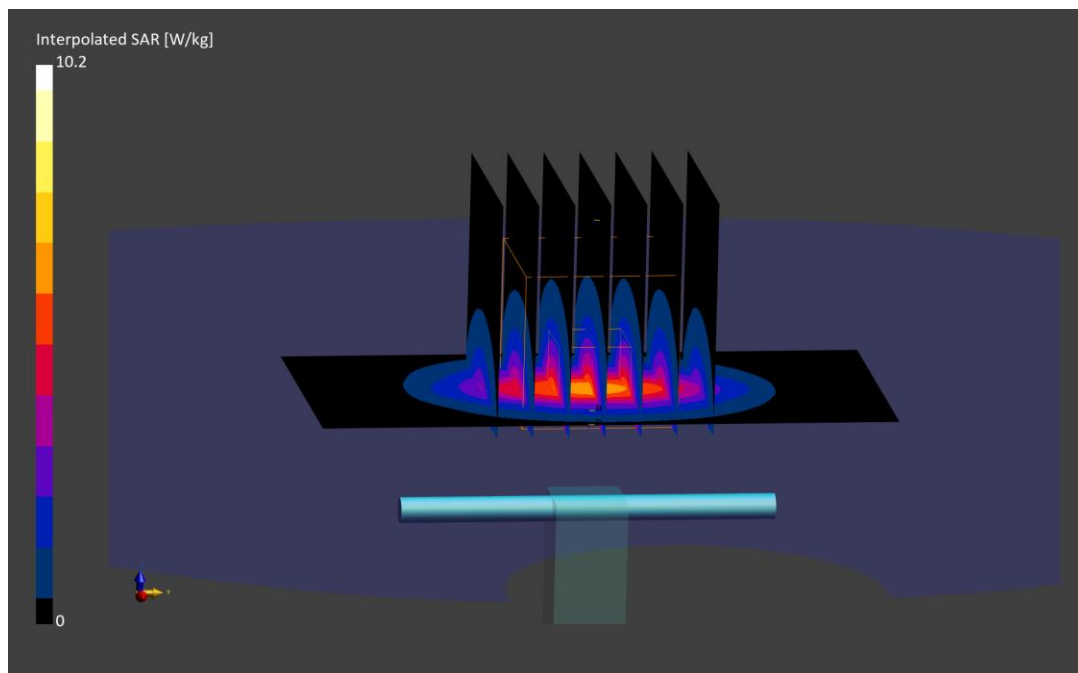
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 9.97 W/kg

**SAR(1 g) = 4.96 W/kg**

Deviation (1 g) = -9.83%



# ELEMENT

**DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1009**

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2600.0 MHz; cond = 1.95 S/m; perm = 38.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2023; Ambient Temp: 20.7°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7640; ConvF:(8.42,8.42,8.42); 2023-02-10  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 ; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600.0 MHz System Verification at 20.0 dBm (100 mW)

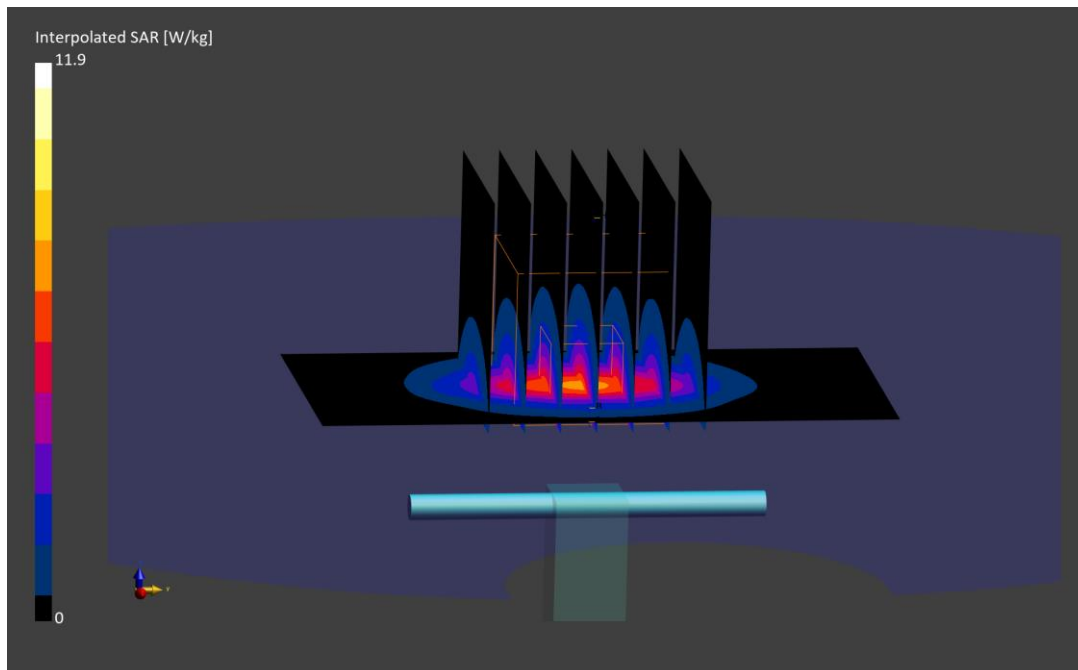
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 11.9 W/kg

**SAR(1 g) = 5.50 W/kg; SAR(10 g) = 2.46 W/kg**

Deviation (1 g) = -4.01%; Deviation (10 g) = -4.65%



# ELEMENT

**DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1126**

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2600.0 MHz; cond = 1.94 S/m; perm = 38.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 10/23/2023; Ambient Temp: 20.0°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7565; ConvF:(6.89,6.89,6.89); 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; 2023-01-20  
Phantom: Twin-SAM V8.0 ; Serial: 1937  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600.0 MHz System Verification at 20.0 dBm (100 mW)

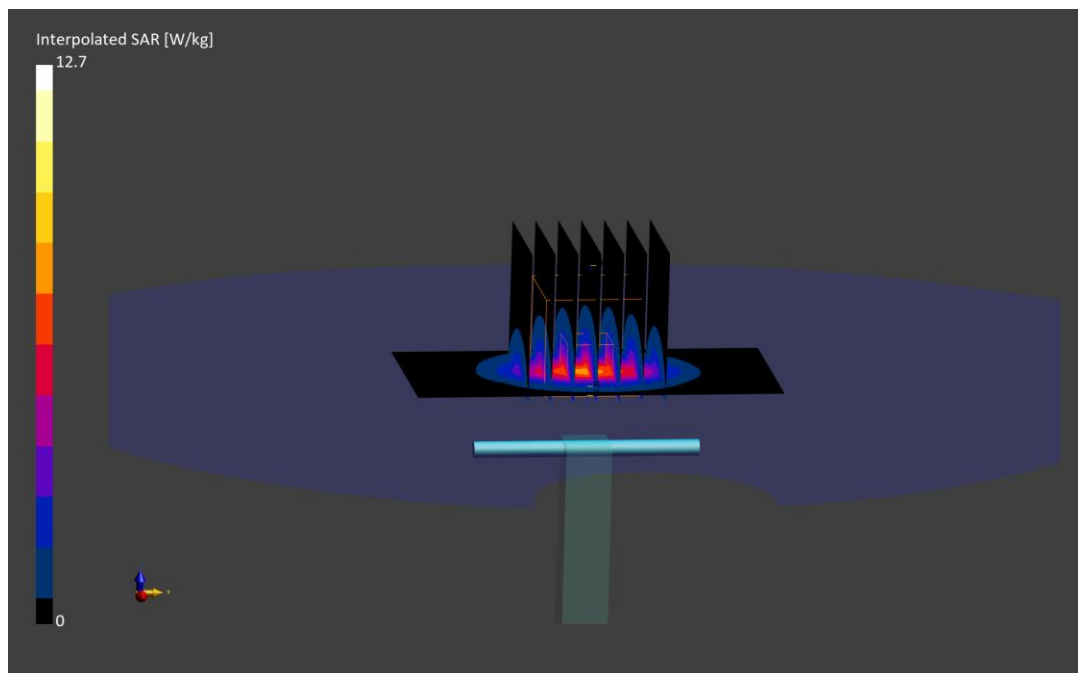
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 12.7 W/kg

**SAR(1 g) = 5.93 W/kg; SAR(10 g) = 2.68 W/kg**

Deviation (1 g) = 5.89%; Deviation (10 g) = 5.93%



# ELEMENT

**DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1191**

Communication System: UID: 0, CW; Frequency: 5250.0 MHz  
Medium: 5200-5800 Head; Medium parameters used:  
f = 5250.0 MHz; cond = 4.69 S/m; perm = 35.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 11/13/2023; Ambient Temp: 19.1°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7570; ConvF:(5.52,5.52,5.52); 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1558; 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 2060  
Measurement SW: DASY Module SAR V16.2.0.1425

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

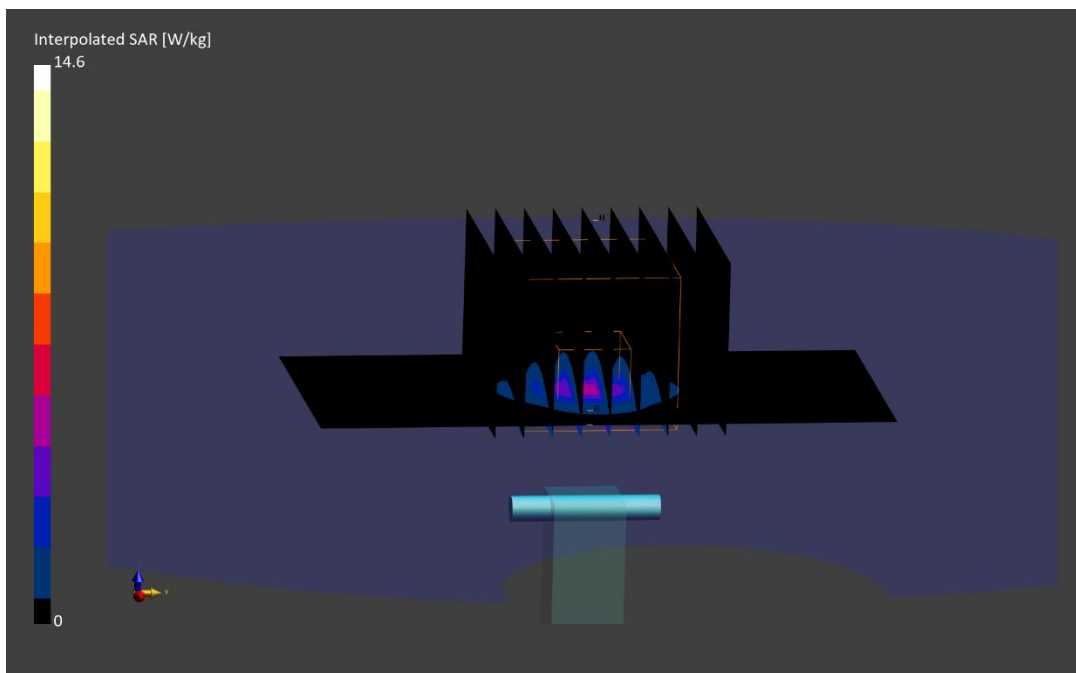
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 14.6 W/kg

**SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.06 W/kg**

Deviation (1 g) = -7.71%; Deviation (10 g) = -8.23%





# ELEMENT

**DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1191**

Communication System: UID: 0, CW; Frequency: 5600.0 MHz  
Medium: 5200-5800 Head; Medium parameters used:  
f = 5600.0 MHz; cond = 5.09 S/m; perm = 34.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 11/13/2023; Ambient Temp: 19.1°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7570; ConvF:(4.84,4.84,4.84); 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1558; 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 2060  
Measurement SW: DASY Module SAR V16.2.0.1425

## 5600.0 MHz System Verification at 17.0 dBm (50 mW)

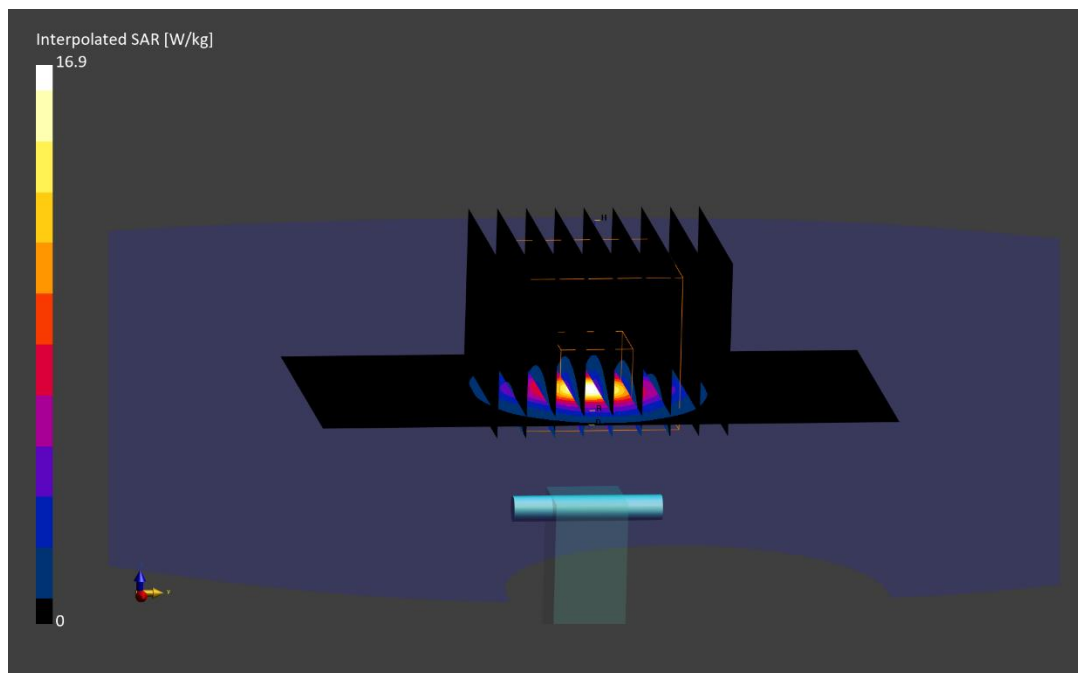
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 16.9 W/kg

**SAR(1 g) = 4.03 W/kg; SAR(10 g) = 1.15 W/kg**

Deviation (1 g) = -1.59%; Deviation (10 g) = -1.29%



# ELEMENT

**DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1191**

Communication System: UID: 0, CW; Frequency: 5750.0 MHz  
Medium: 5200-5800 Head; Medium parameters used:  
f = 5750.0 MHz; cond = 5.27 S/m; perm = 34.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 11/13/2023; Ambient Temp: 19.1°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7570; ConvF:(4.92,4.92,4.92); 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1558; 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 2060  
Measurement SW: DASY Module SAR V16.2.0.1425

## 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 (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) = 15.6 W/kg

**SAR(1 g) = 3.60 W/kg; SAR(10 g) = 1.03 W/kg**

Deviation (1 g) = -8.16%; Deviation (10 g) = -7.62%

