

## APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

# ELEMENT

**DUT: Dipole 13.0 MHz; Type: CLA-13 - SN1002**

Communication System: UID: 0, CW; Frequency: 13.0 MHz

Medium: 30 Head; Medium parameters used:

$f = 13.0$  MHz;  $\text{cond} = 0.748$  S/m;  $\text{perm} = 52.9$ ;  $\text{density} = 1000$  kg/m<sup>3</sup>

Phantom Section: Flat; Space: 0 mm

Test Date: 12/22/2023; Ambient Temp: 20.2°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7417; ConvF:(18.67,18.67,18.67); 2023-02-08

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

Electronics: DAE4 Sn665; 2023-02-15

Phantom: ELI V8.0 (20deg probe tilt); Serial: 2077

Measurement SW: DASY Module SAR V16.2.0.1425

## 13.0 MHz System Verification at 30.0 dBm (1000 mW)

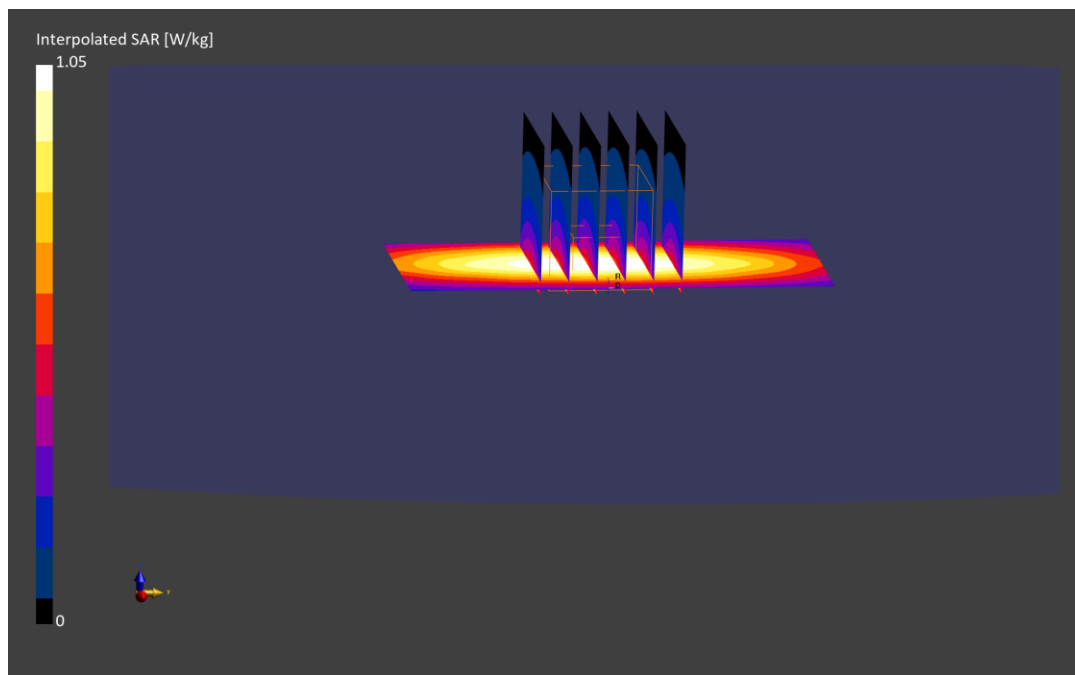
**Area Scan (40.0 x 90.0):** Measurement grid:  $dx=10.0$  mm,  $dy=15.0$  mm

**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) = 1.05 W/kg

**SAR(1 g) = 0.521 W/kg; SAR(10 g) = 0.323 W/kg**

Deviation (1 g) = -0.38%; Deviation (10 g) = -1.22%



# ELEMENT

**DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003**

Communication System: UID: 0, CW; Frequency: 750.0 MHz

Medium: 750 Head; Medium parameters used:

f = 750.0 MHz; cond = 0.896 S/m; perm = 40.5; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15 mm

Test Date: 11/08/2023; Ambient Temp: 23.1°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7565; ConvF:(9.58,9.58,9.58); 2023-01-12

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

Electronics: DAE4 Sn1466; 2023-01-20

Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1937

Measurement SW: DASY Module SAR V16.2.0.1425

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

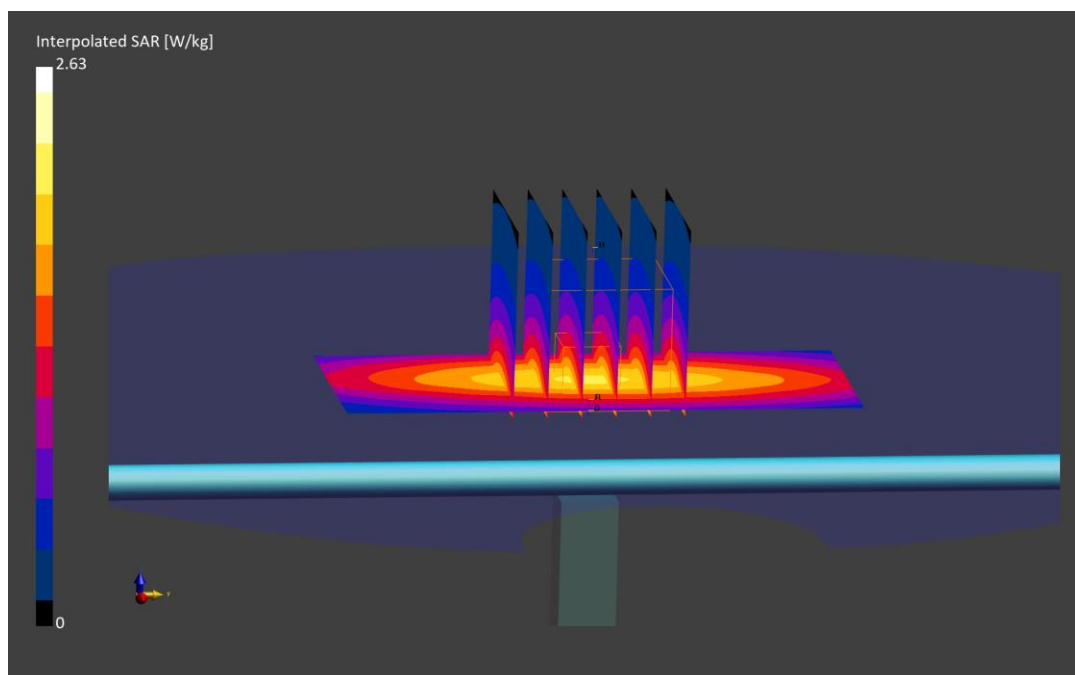
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 2.63 W/kg

**SAR(1 g) = 1.74 W/kg; SAR(10 g) = 1.14 W/kg**

Deviation (1 g) = 2.59%; Deviation (10 g) = 2.52%



# ELEMENT

**DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003**

Communication System: UID: 0, CW; Frequency: 750.0 MHz

Medium: 750 Head; Medium parameters used:

f = 750.0 MHz; cond = 0.900 S/m; perm = 40.1; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15 mm

Test Date: 11/10/2023; Ambient Temp: 22.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7565; ConvF:(9.58,9.58,9.58); 2023-01-12

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

Electronics: DAE4 Sn1466; 2023-01-20

Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1937

Measurement SW: DASY Module SAR V16.2.0.1425

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

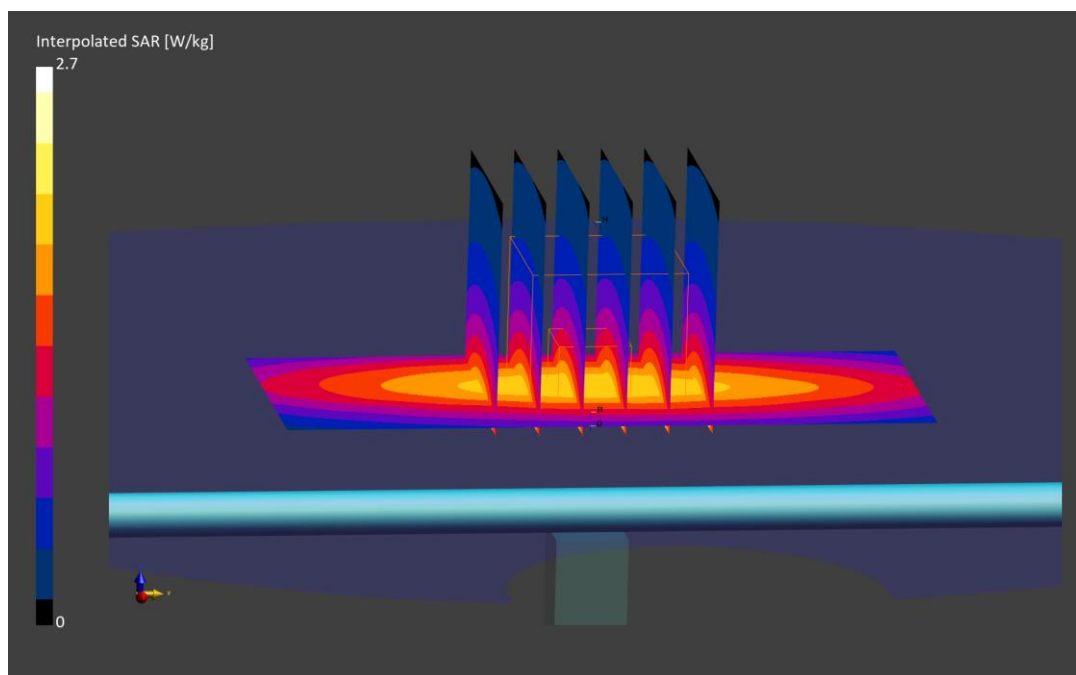
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 2.70 W/kg

**SAR(1 g) = 1.75 W/kg; SAR(10 g) = 1.14 W/kg**

Deviation (1 g) = 3.18%; Deviation (10 g) = 2.52%



# 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 = 0.932 S/m; perm = 41.0; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15 mm

Test Date: 11/08/2023; Ambient Temp: 22.6°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7558; ConvF:(9.92,9.92,9.92); 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

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

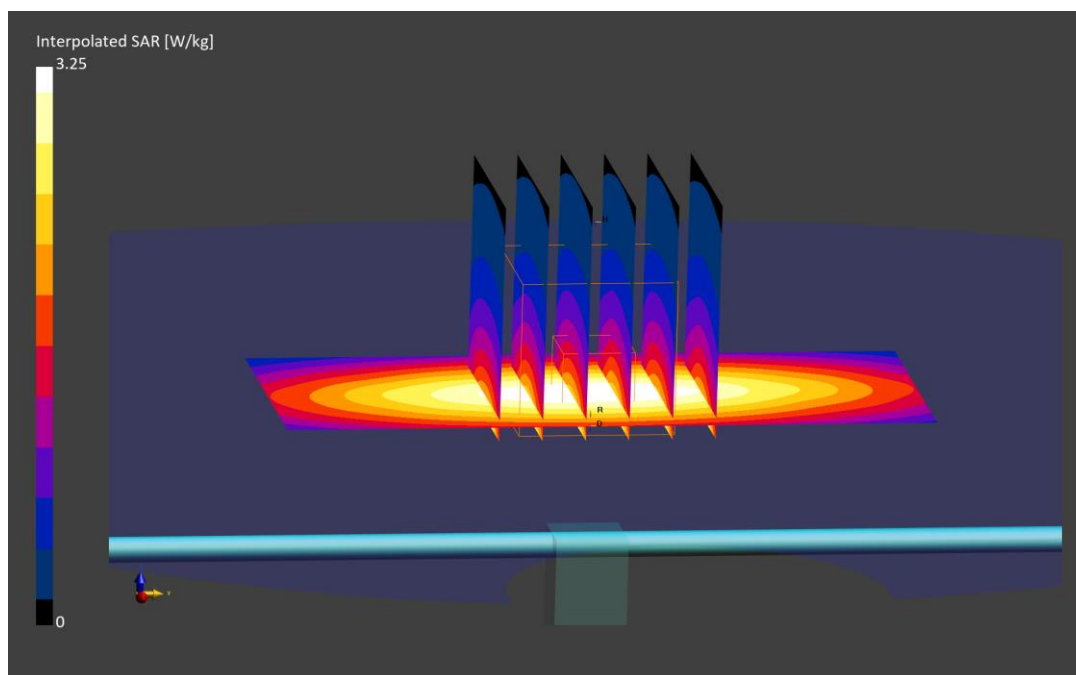
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 3.25 W/kg

**SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.33 W/kg**

Deviation (1 g) = 6.44%; Deviation (10 g) = 6.06%



# 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 = 0.942 S/m; perm = 40.8; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15 mm

Test Date: 11/10/2023; Ambient Temp: 22.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7558; ConvF:(9.92,9.92,9.92); 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

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

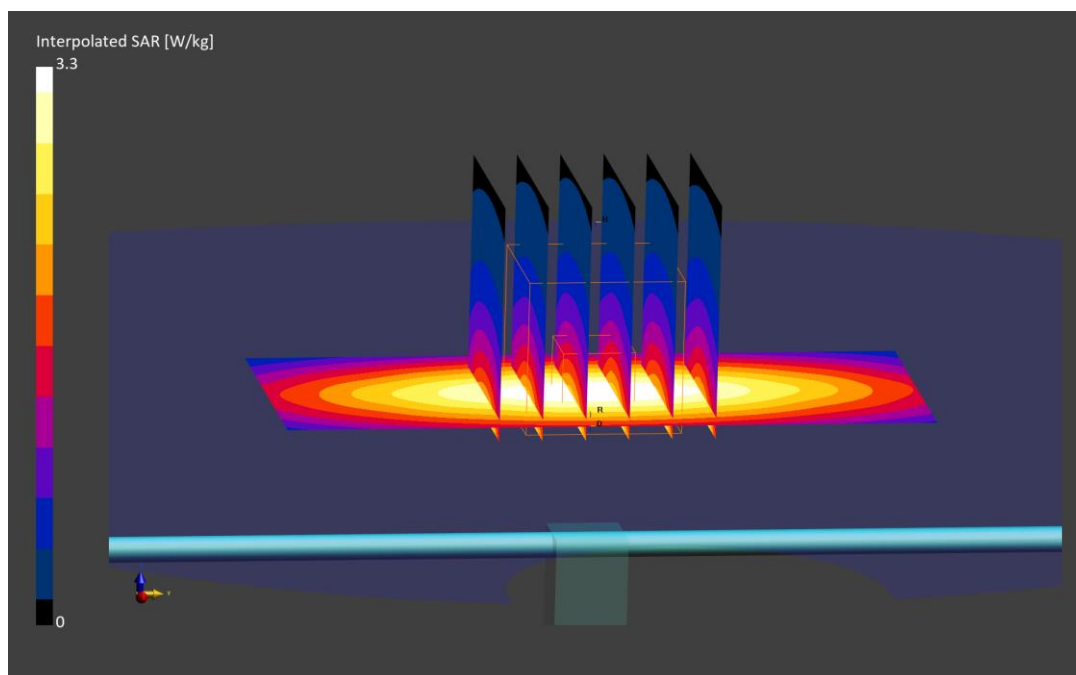
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 3.30 W/kg

**SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.33 W/kg**

Deviation (1 g) = 5.97%; Deviation (10 g) = 4.23%



# 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 = 0.937 S/m; perm = 41.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 11/13/2023; Ambient Temp: 21.5°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7640; ConvF:(10.56,10.56,10.56); 2023-02-10  
Sensor-Surface: 1.4mm (All points)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 (30deg probe tilt); Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

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

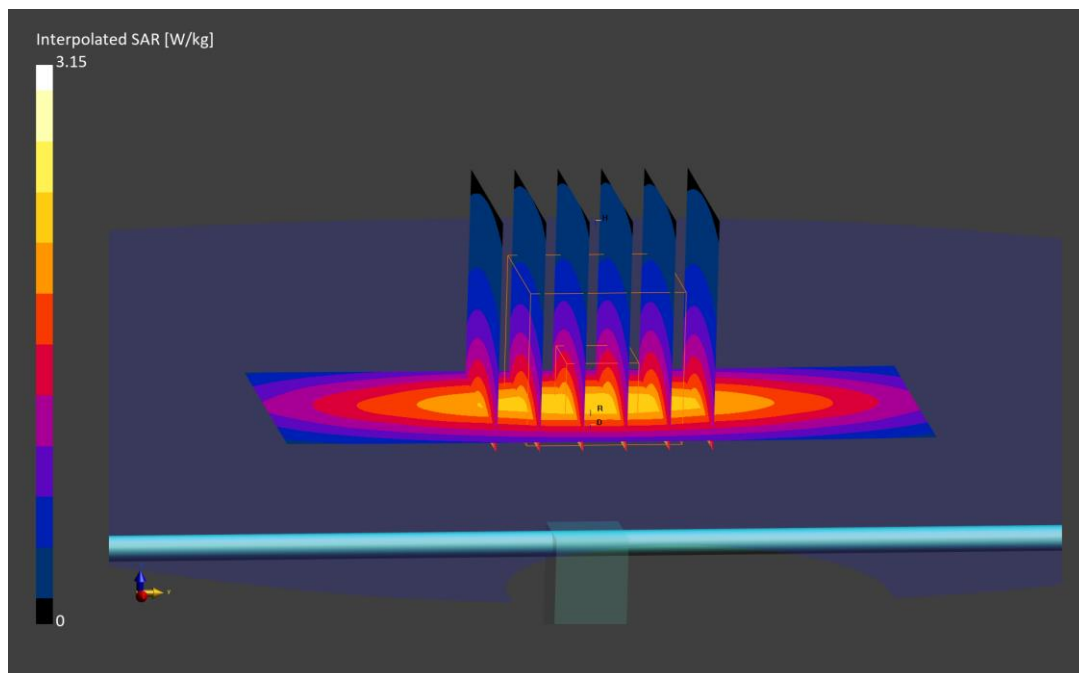
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 3.15 W/kg

**SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.28 W/kg**

Deviation (1 g) = 1.34%; Deviation (10 g) = 0.31%



# 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 = 0.925 S/m; perm = 40.7; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15 mm

Test Date: 11/15/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.5°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 (30deg probe tilt); Serial: 1868

Measurement SW: DASY Module SAR V16.2.0.1425

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

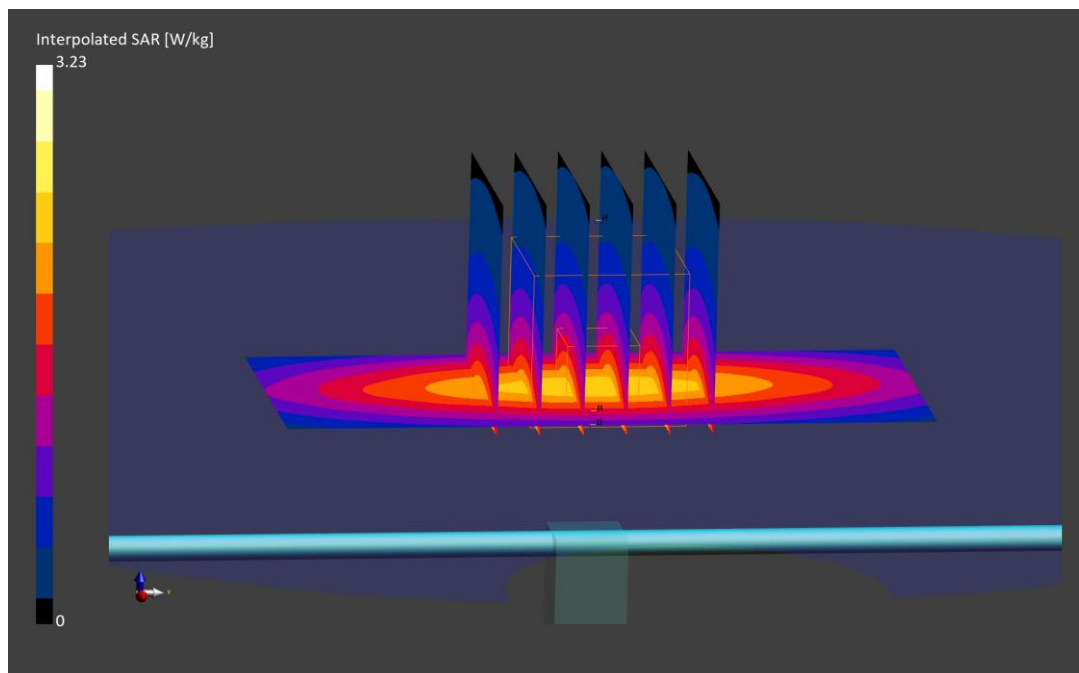
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Deviation (1 g) = 3.91%; Deviation (10 g) = 2.66%



# 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 = 0.915 S/m; perm = 39.9; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 15 mm

Test Date: 11/22/2023; Ambient Temp: 21.0°C; Tissue Temp: 21.1°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 (30deg probe tilt); Serial: 1797

Measurement SW: DASY Module SAR V16.2.0.1425

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

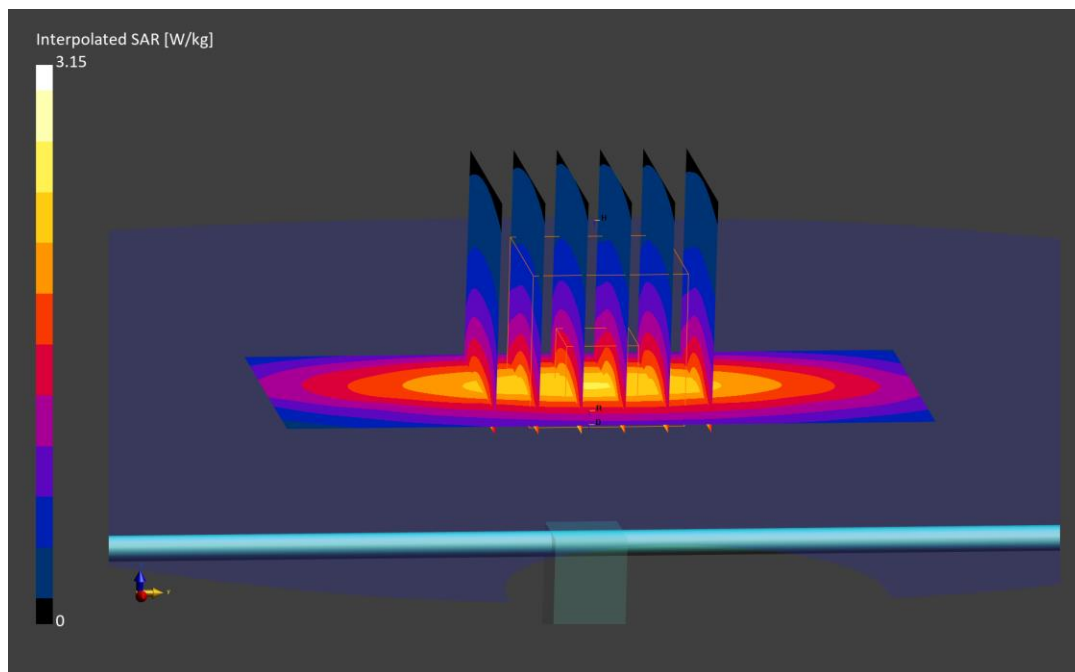
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 3.15 W/kg

**SAR(1 g) = 2.00 W/kg; SAR(10 g) = 1.30 W/kg**

Deviation (1 g) = 2.88%; 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 = 1.33 S/m; perm = 38.2; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 11/20/2023; Ambient Temp: 20.1°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7491; ConvF:(8.69,8.69,8.69); 2023-06-08

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1532; 2023-06-15

Phantom: Twin-SAM V5.0 (30deg probe tilt); Serial: 1797

Measurement SW: DASY Module SAR V16.2.0.1425

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

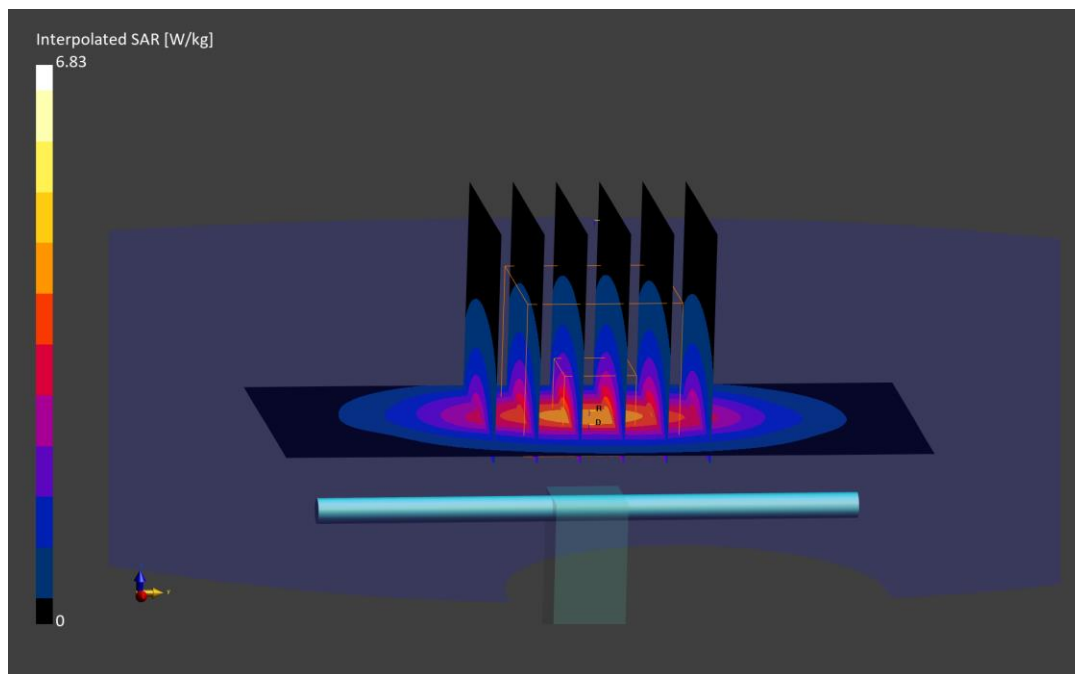
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 6.83 W/kg

**SAR(1 g) = 3.60 W/kg; SAR(10 g) = 1.91 W/kg**

Deviation (1 g) = -0.28%; Deviation (10 g) = 0.53%



# 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 = 1.35 S/m; perm = 38.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 11/23/2023; Ambient Temp: 22.2°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7565; ConvF:(8.23,8.23,8.23); 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; 2023-01-20  
Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1937  
Measurement SW: DASY Module SAR V16.2.0.1425

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

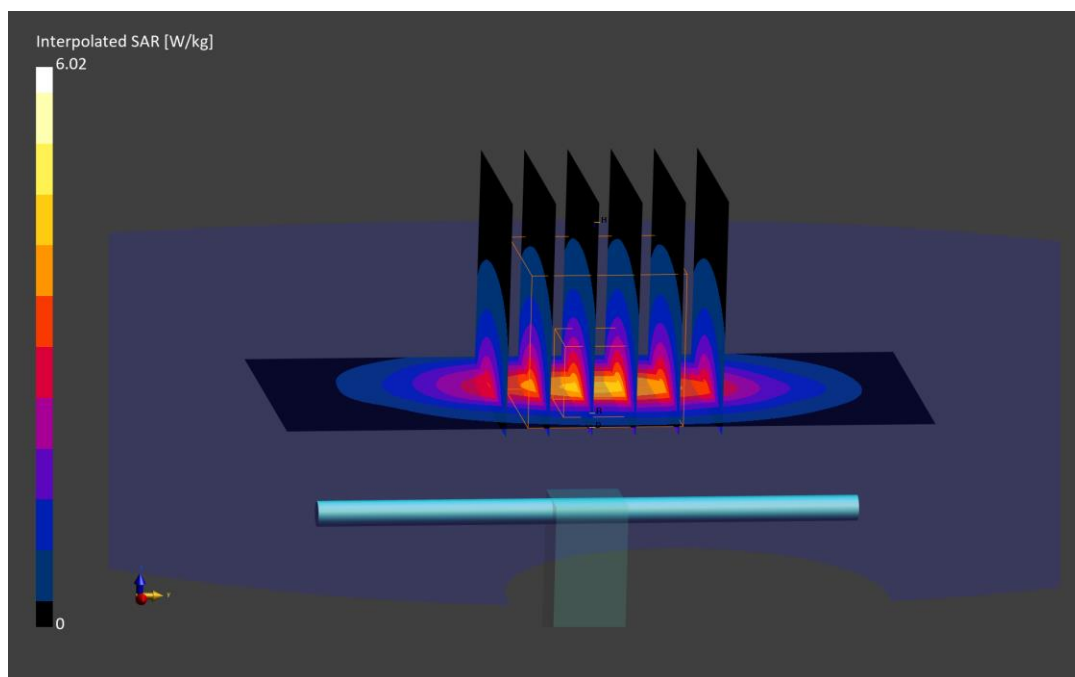
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 6.02 W/kg

**SAR(1 g) = 3.39 W/kg; SAR(10 g) = 1.82 W/kg**

Deviation (1 g) = -6.35%; Deviation (10 g) = -4.71%



# 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 = 38.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 11/23/2023; Ambient Temp: 22.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7640; ConvF:(9.23,9.23,9.23); 2023-02-10  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 (30deg probe tilt); Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

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

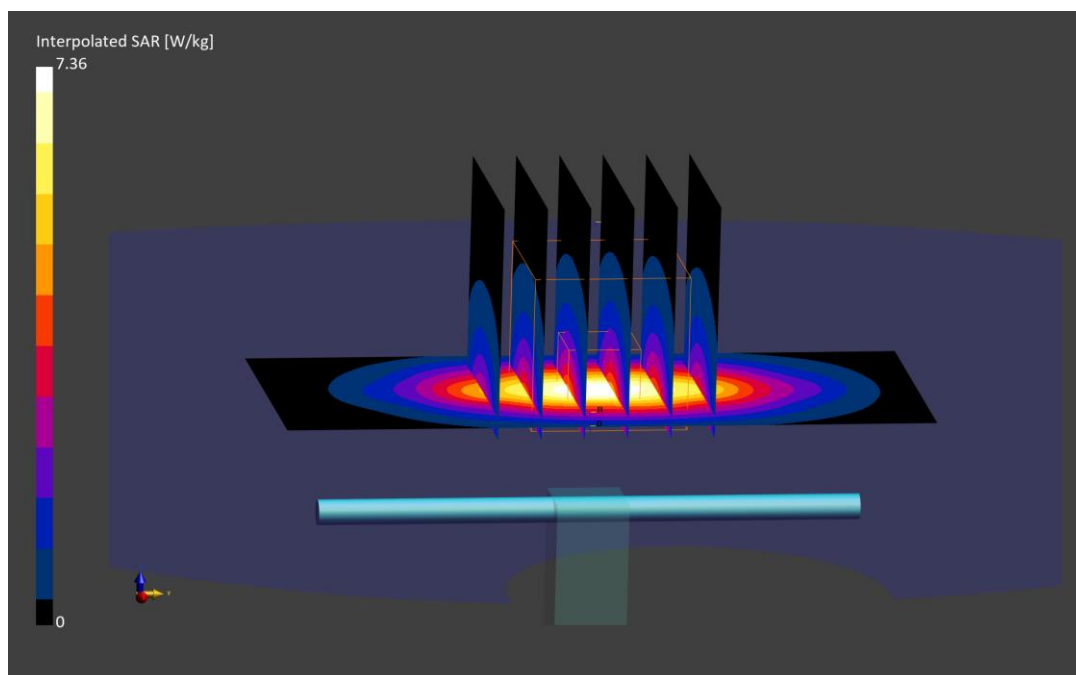
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.36 W/kg

**SAR(1 g) = 3.80 W/kg; SAR(10 g) = 2.00 W/kg**

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



# ELEMENT

**DUT: Dipole 1750.0 MHz; Type: D1765V2 - SN1008**

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Head; Medium parameters used:  
f = 1750.0 MHz; cond = 1.31 S/m; perm = 39.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/04/2023; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(8.37,8.37,8.37); 2023-06-15  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; 2023-06-15  
Phantom: Twin-SAM V8.0; Serial: 1630  
Measurement SW: DASY Module SAR V16.2.0.1425

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

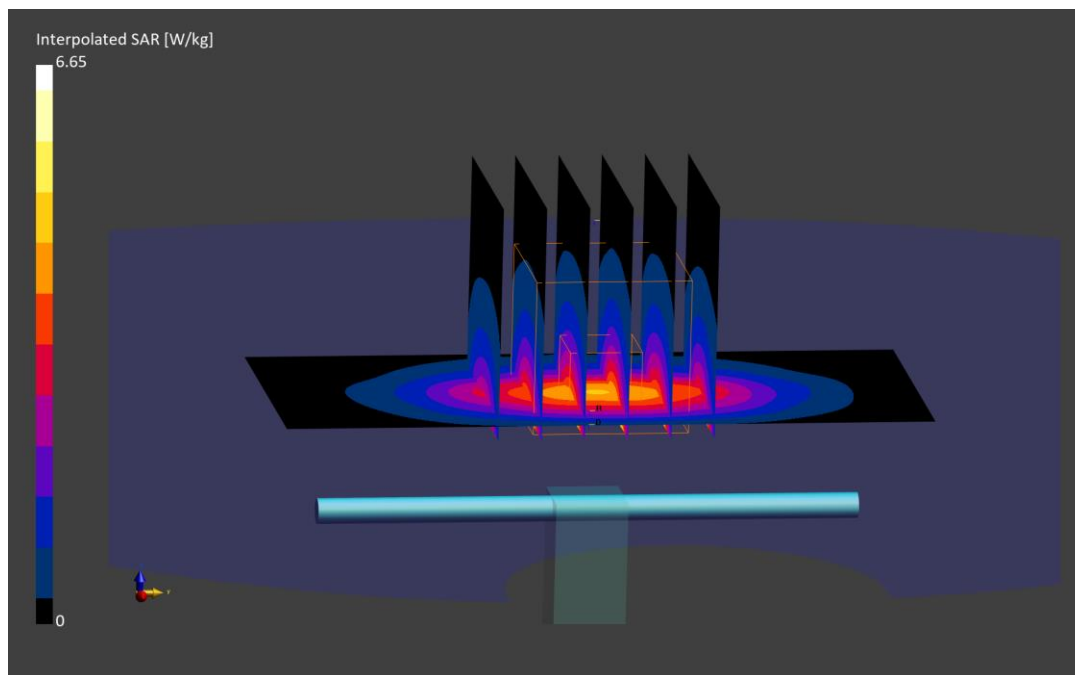
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 6.65 W/kg

**SAR(1 g) = 3.53 W/kg; SAR(10 g) = 1.88 W/kg**

Deviation (1 g) = -5.61%; Deviation (10 g) = -4.08%



# ELEMENT

**DUT: Dipole 1750.0 MHz; Type: D1765V2 - SN1008**

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Head; Medium parameters used:  
f = 1750.0 MHz; cond = 1.39 S/m; perm = 38.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/04/2023; Ambient Temp: 22.6°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7713; ConvF:(8.99,8.99,8.99); 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

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

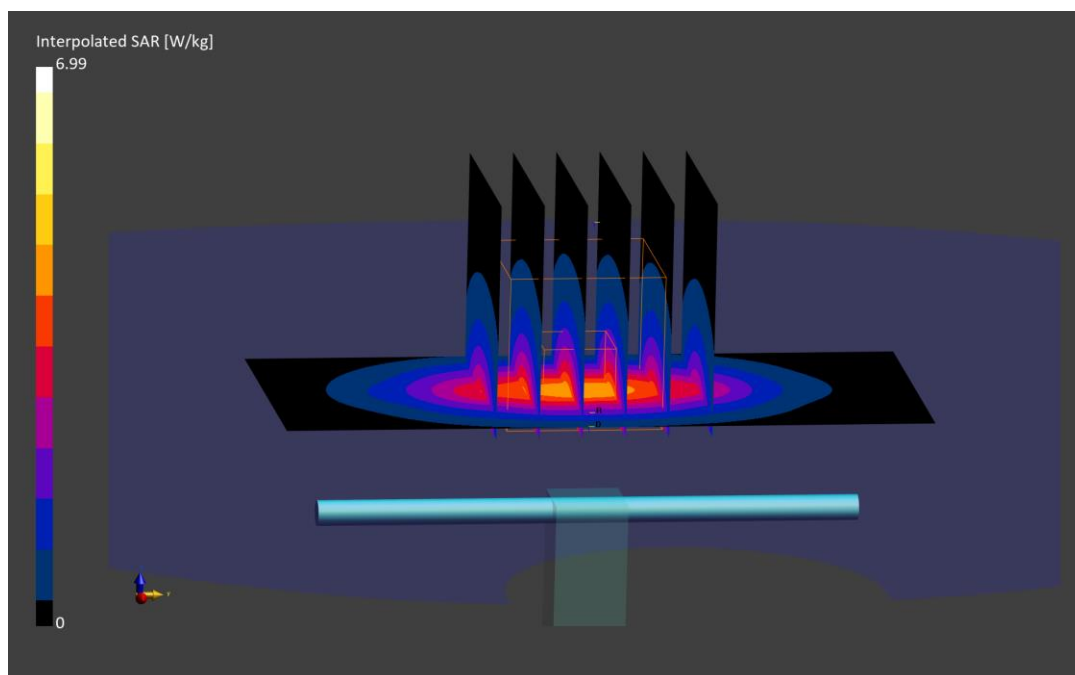
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 6.99 W/kg

**SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.93 W/kg**

Deviation (1 g) = -1.60%; Deviation (10 g) = -1.53%



# ELEMENT

**DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1150**

Communication System: UID: 0, CW; Frequency: 1750.0 MHz

Medium: 1750 Head; Medium parameters used:

f = 1750.0 MHz; cond = 1.43 S/m; perm = 38.4; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 12/11/2023; Ambient Temp: 19.1°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7417; ConvF:(8.32,8.32,8.32); 2023-02-08

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

Electronics: DAE4 Sn665; 2023-02-15

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V16.2.0.1425

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

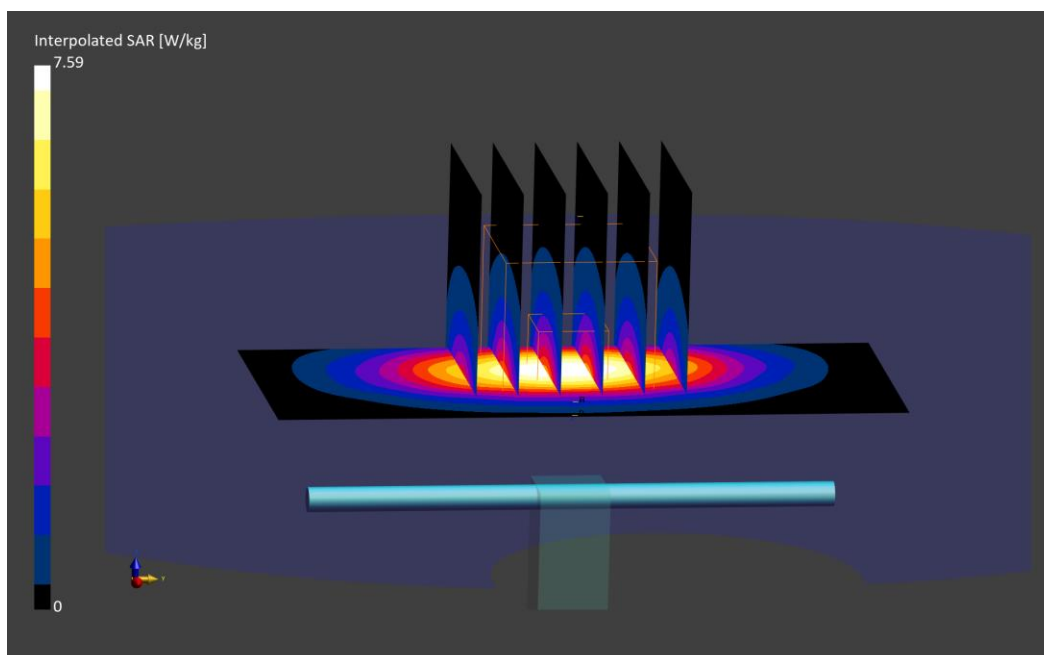
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.59 W/kg

**SAR(1 g) = 3.87 W/kg; SAR(10 g) = 1.99 W/kg**

Deviation (1 g) = 4.88%; Deviation (10 g) = 2.58%



# ELEMENT

**DUT: Dipole 1750.0 MHz; Type: D1765V2 - SN1008**

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Head; Medium parameters used:  
f = 1750.0 MHz; cond = 1.41 S/m; perm = 38.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/28/2023; Ambient Temp: 23.7°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7718; ConvF:(8.52,8.52,8.52); 2023-04-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1368; 2023-04-14  
Phantom: Twin-SAM V5.0; Serial: 1759  
Measurement SW: DASY Module SAR V16.2.0.1425

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

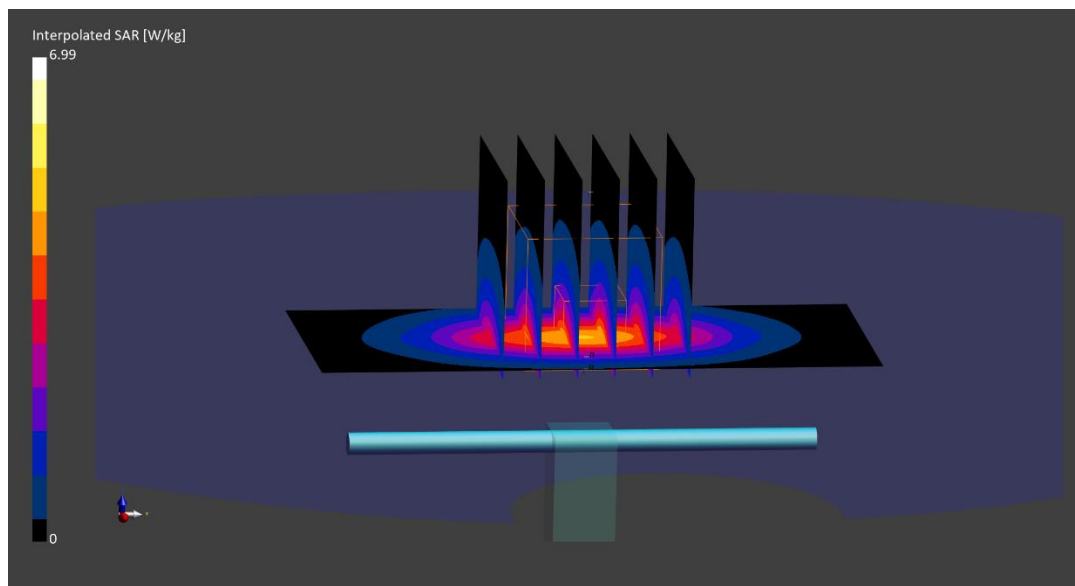
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 6.99 W/kg

**SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.95 W/kg**

Deviation (1 g) = -0.27%; Deviation (10 g) = -0.51%



# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d026**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz

Medium: 1900 Head; Medium parameters used:

f = 1900.0 MHz; cond = 1.43 S/m; perm = 38.7; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 11/20/2023; Ambient Temp: 22.5°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7565; ConvF:(7.89,7.89,7.89); 2023-01-12

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

Electronics: DAE4 Sn1466; 2023-01-20

Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1937

Measurement SW: DASY Module SAR V16.2.0.1425

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

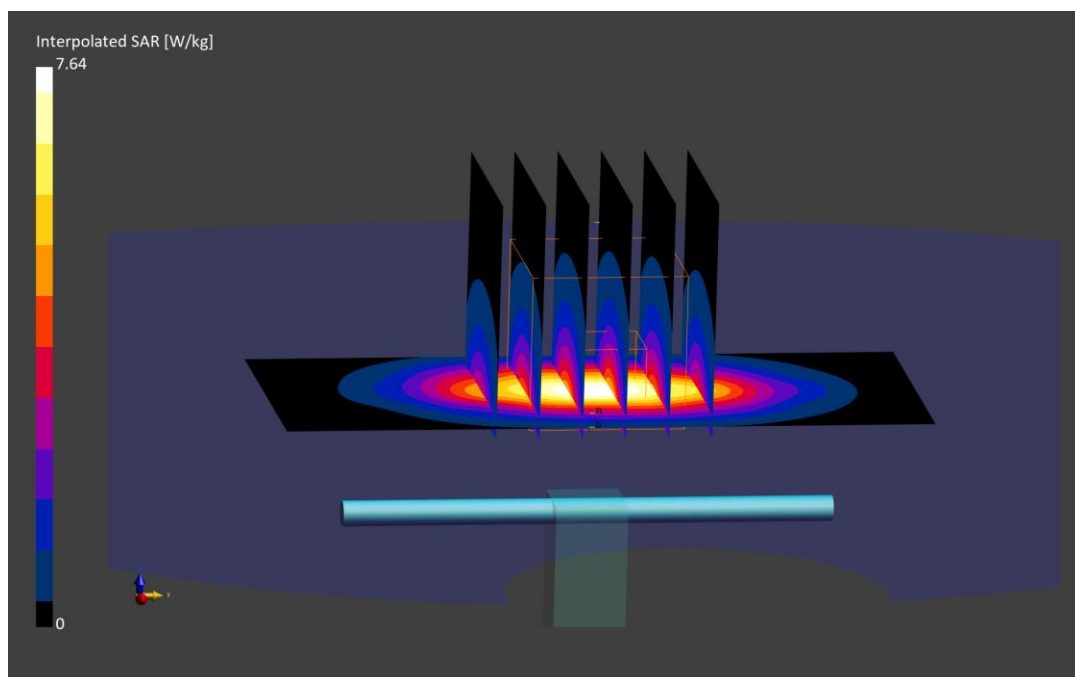
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.64 W/kg

**SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.15 W/kg**

Deviation (1 g) = 6.68%; Deviation (10 g) = 4.88%



# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d026**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz

Medium: 1900 Head; Medium parameters used:

f = 1900.0 MHz; cond = 1.43 S/m; perm = 38.6; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 11/23/2023; Ambient Temp: 22.2°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7565; ConvF:(7.89,7.89,7.89); 2023-01-12

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

Electronics: DAE4 Sn1466; 2023-01-20

Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 1937

Measurement SW: DASY Module SAR V16.2.0.1425

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

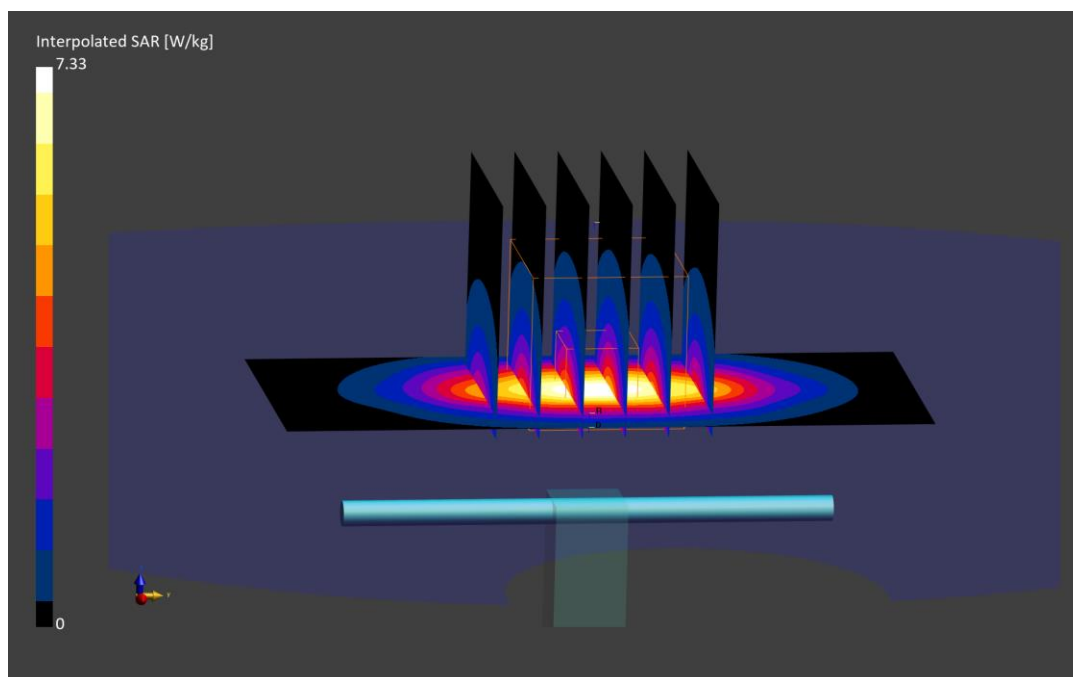
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.33 W/kg

**SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.08 W/kg**

Deviation (1 g) = 3.08%; Deviation (10 g) = 1.46%



# 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 = 1.42 S/m; perm = 39.6; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 11/30/2023; Ambient Temp: 19.8°C; Tissue Temp: 19.7°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 (30deg probe tilt); Serial: 1797

Measurement SW: DASY Module SAR V16.2.0.1425

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

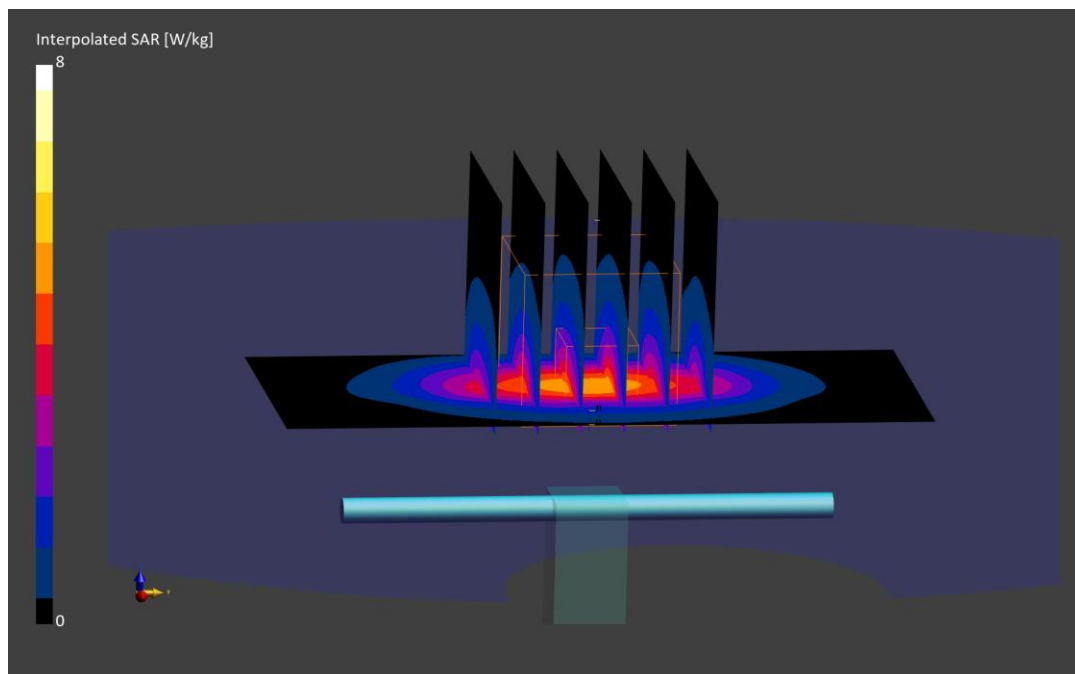
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 8.00 W/kg

**SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.09 W/kg**

Deviation (1 g) = 2.26%; Deviation (10 g) = 0.48%



# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Head; Medium parameters used:  
f = 1900.0 MHz; cond = 1.42 S/m; perm = 41.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/18/2023; Ambient Temp: 20.6°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7417; ConvF:(8.06,8.06,8.06); 2023-02-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn665; 2023-02-15  
Phantom: Twin-SAM V5.0; Serial: 1757  
Measurement SW: DASY Module SAR V16.2.0.1425

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

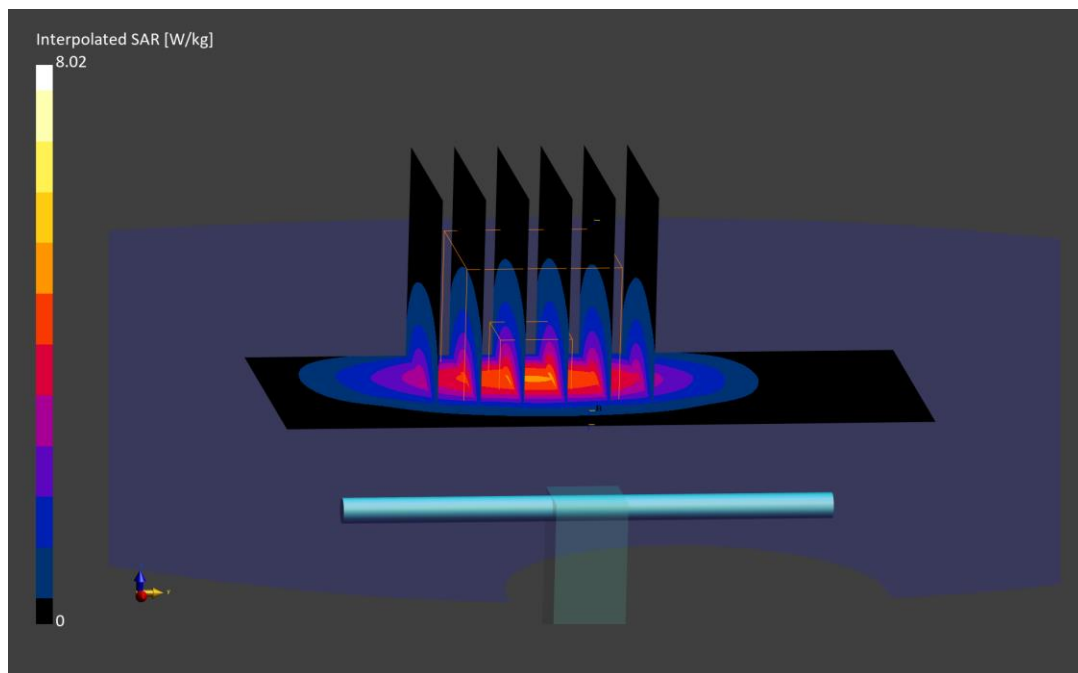
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 8.02 W/kg

**SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.01 W/kg**

Deviation (1 g) = -0.99%; Deviation (10 g) = -5.19%



# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d148**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz

Medium: 1900 Head; Medium parameters used:

f = 1900.0 MHz; cond = 1.36 S/m; perm = 40.2; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 01/02/2024; Ambient Temp: 19.0°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7659; ConvF:(9.09,9.09,9.09); 2023-04-14

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

Electronics: DAE4 Sn1407; 2023-04-14

Phantom: Twin-SAM V5.0; Serial: 1792

Measurement SW: DASY Module SAR V16.2.0.1425

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

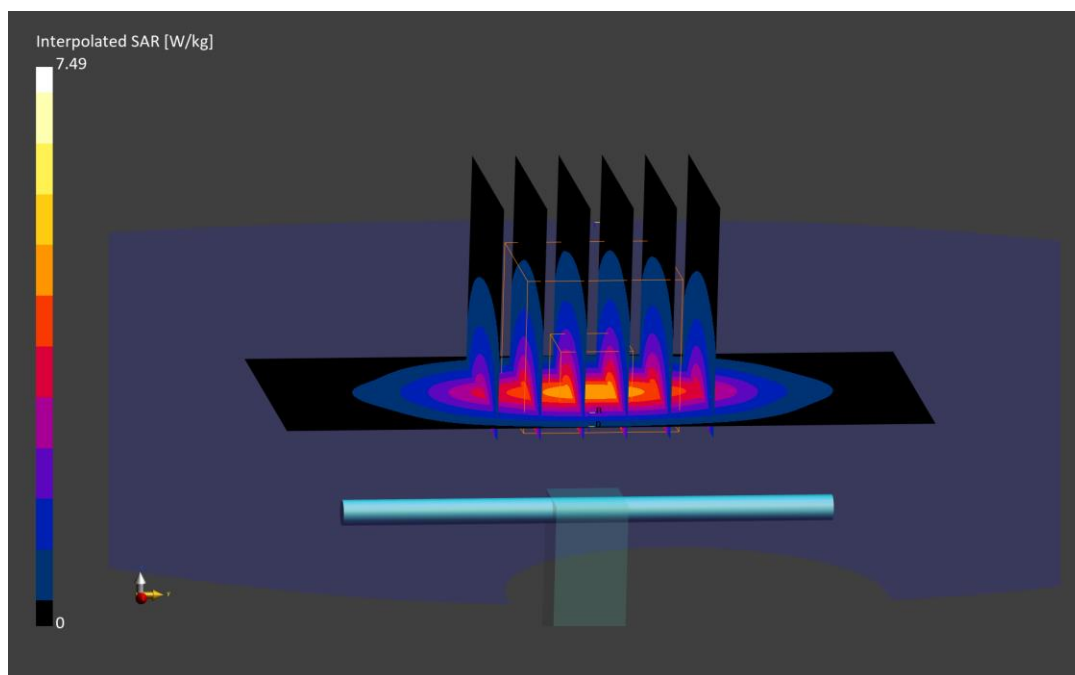
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.48 W/kg

**SAR(1 g) = 3.96 W/kg; SAR(10 g) = 2.09 W/kg**

Deviation (1 g) = -1.25%; Deviation (10 g) = -0.48%



# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN719**

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 = 38.8; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 12/13/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.44,7.44,7.44); 2023-06-15

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

Electronics: DAE4 Sn1334; 2023-06-15

Phantom: Twin-SAM V8.0; Serial: 1630

Measurement SW: DASY Module SAR V16.2.0.1425

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

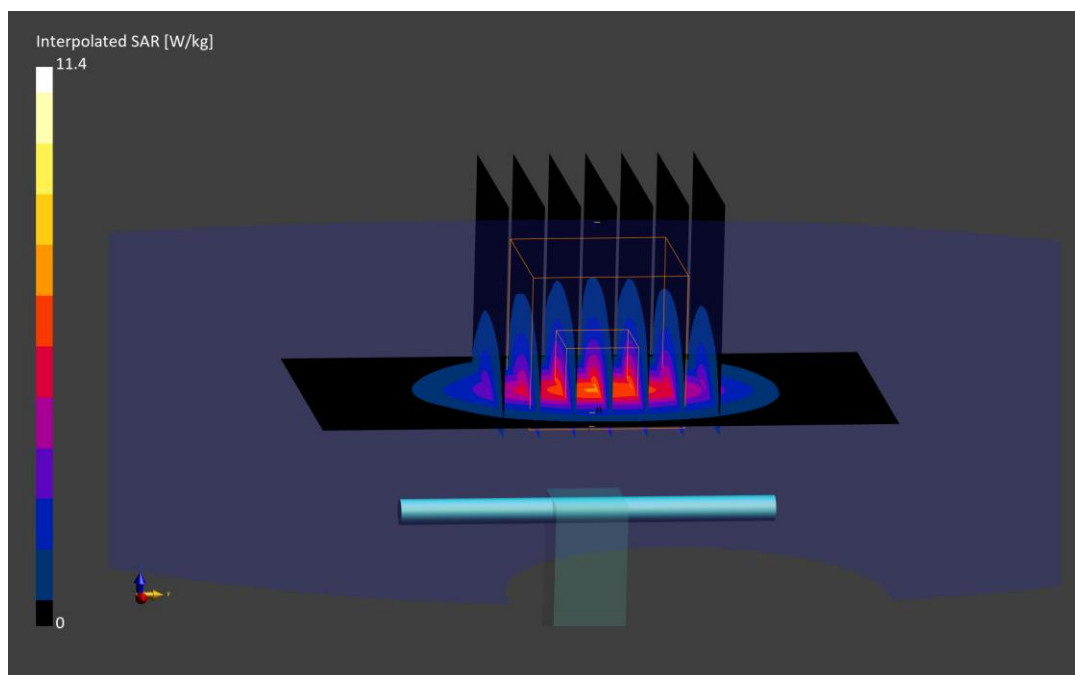
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 11.4 W/kg

**SAR(1 g) = 5.45 W/kg; SAR(10 g) = 2.54 W/kg**

Deviation (1 g) = -0.91%; Deviation (10 g) = -1.17%



# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN719**

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.80 S/m; perm = 38.1; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 12/18/2023; Ambient Temp: 21.1°C; Tissue Temp: 20.3°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)

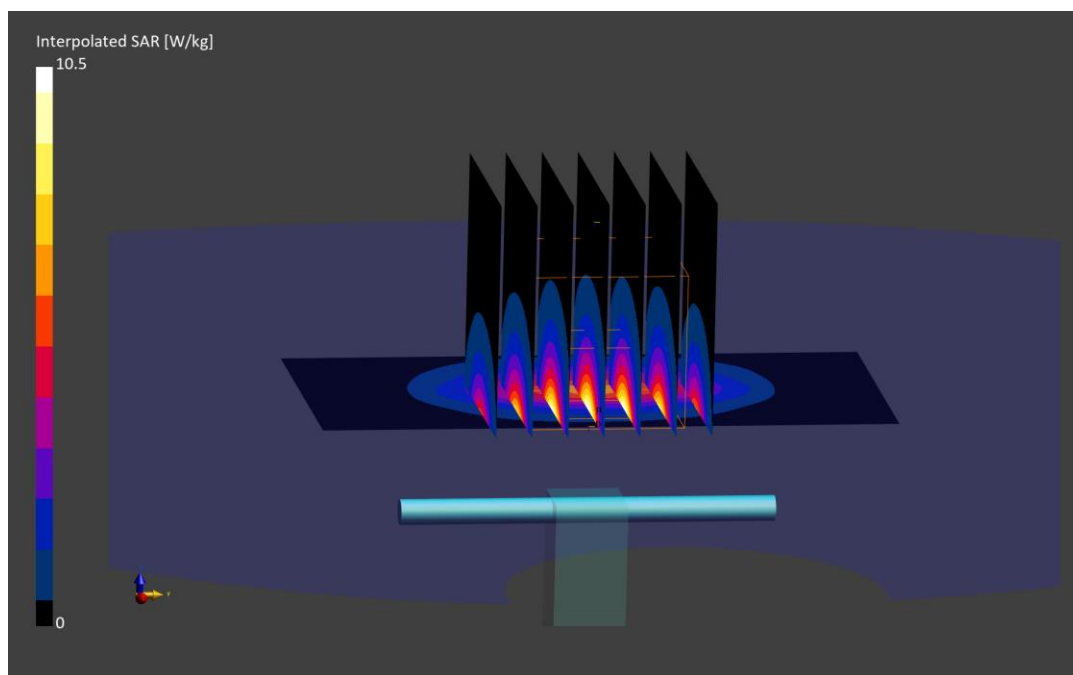
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 10.5 W/kg

**SAR(1 g) = 5.16 W/kg; SAR(10 g) = 2.41 W/kg**

Deviation (1 g) = -6.18%; Deviation (10 g) = -6.23%



# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN719**

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.80 S/m; perm = 39.5; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 12/20/2023; Ambient Temp: 20.1°C; Tissue Temp: 19.2°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)

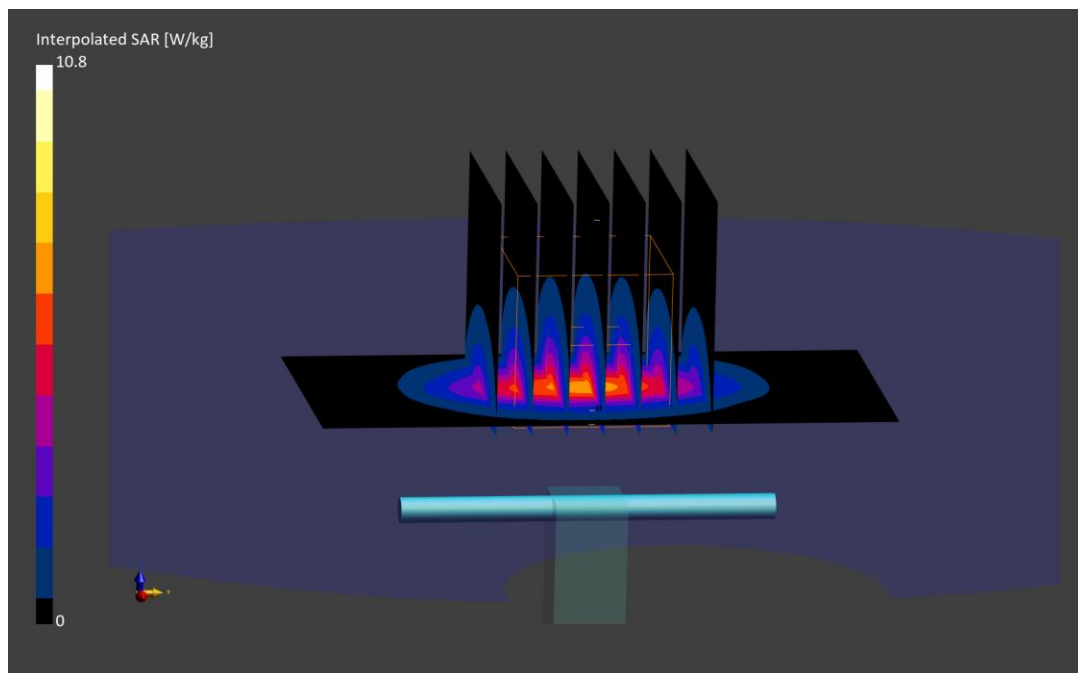
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 10.8 W/kg

**SAR(1 g) = 5.23 W/kg; SAR(10 g) = 2.45 W/kg**

Deviation (1 g) = -4.91%; Deviation (10 g) = -4.67%



# 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 = 1.85 S/m; perm = 39.5; density = 1000 kg/m<sup>3</sup>

Phantom Section: Flat; Space: 10 mm

Test Date: 12/26/2023; Ambient Temp: 19.8°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7417; ConvF:(7.45,7.45,7.45); 2023-02-08

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

Electronics: DAE4 Sn665; 2023-02-15

Phantom: Twin-SAM V5.0; Serial: 1757

Measurement SW: DASY Module SAR V16.2.0.1425

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

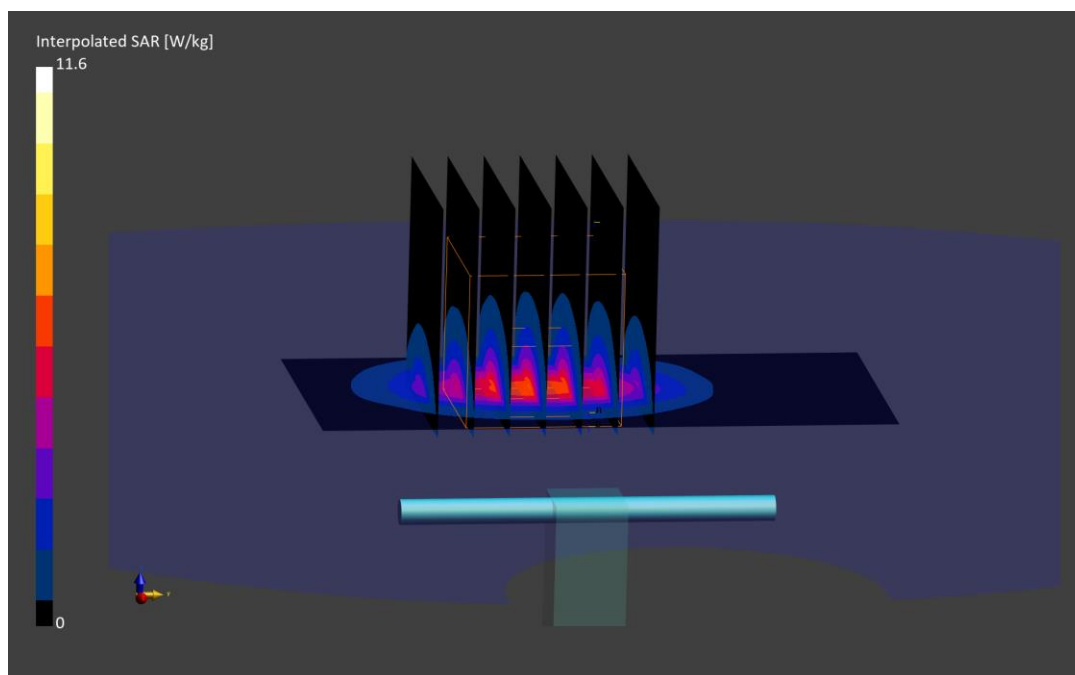
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 11.6 W/kg

**SAR(1 g) = 5.18 W/kg; SAR(10 g) = 2.30 W/kg**

Deviation (1 g) = -3.90%; Deviation (10 g) = -9.45%



# ELEMENT

**DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1064**

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2600.0 MHz; cond = 1.90 S/m; perm = 38.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/13/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.17,7.17,7.17); 2023-06-15  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; 2023-06-15  
Phantom: Twin-SAM V8.0; Serial: 1630  
Measurement SW: DASY Module SAR V16.2.0.1425

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

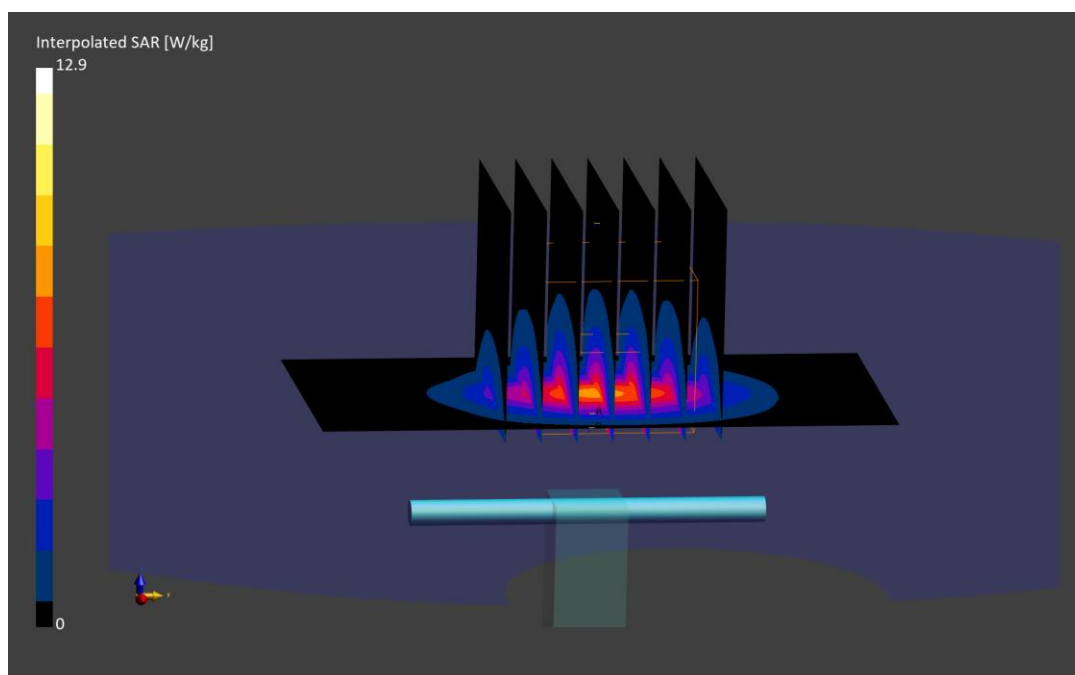
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 12.9 W/kg

**SAR(1 g) = 5.97 W/kg; SAR(10 g) = 2.69 W/kg**

Deviation (1 g) = 5.85%; Deviation (10 g) = 6.75%



# ELEMENT

**DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1004**

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2600.0 MHz; cond = 1.90 S/m; perm = 37.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/20/2023; Ambient Temp: 20.6°C; Tissue Temp: 19.3°C

Probe: EX3DV4 - SN7409; ConvF:(7.17,7.17,7.17); 2023-06-15  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; 2023-06-15  
Phantom: Twin-SAM V8.0; Serial: 1630  
Measurement SW: DASY Module SAR V16.2.0.1425

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

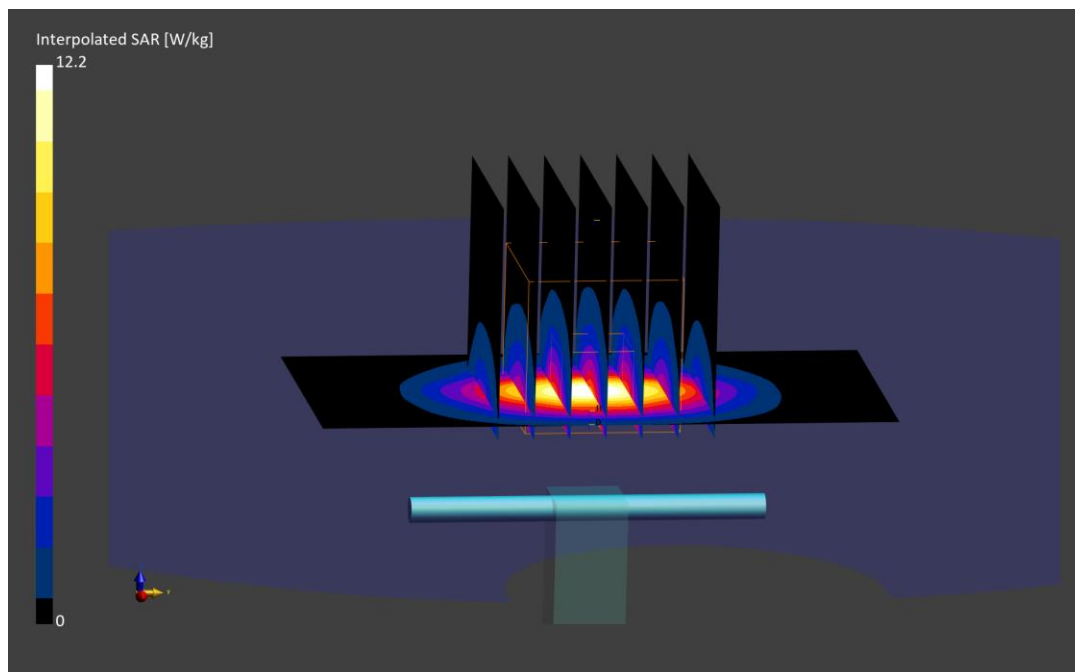
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 12.2 W/kg

**SAR(1 g) = 5.68 W/kg; SAR(10 g) = 2.56 W/kg**

Deviation (1 g) = -1.73%; Deviation (10 g) = -0.39%



# ELEMENT

**DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1127**

Communication System: UID: 0, CW; Frequency: 3500.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3500.0 MHz; cond = 2.81 S/m; perm = 38.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/11/2023; Ambient Temp: 20.8°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7640; ConvF:(7.44,7.44,7.44); 2023-02-10  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 (30deg probe tilt); Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 3500.0 MHz System Verification at 20.0 dBm (100 mW)

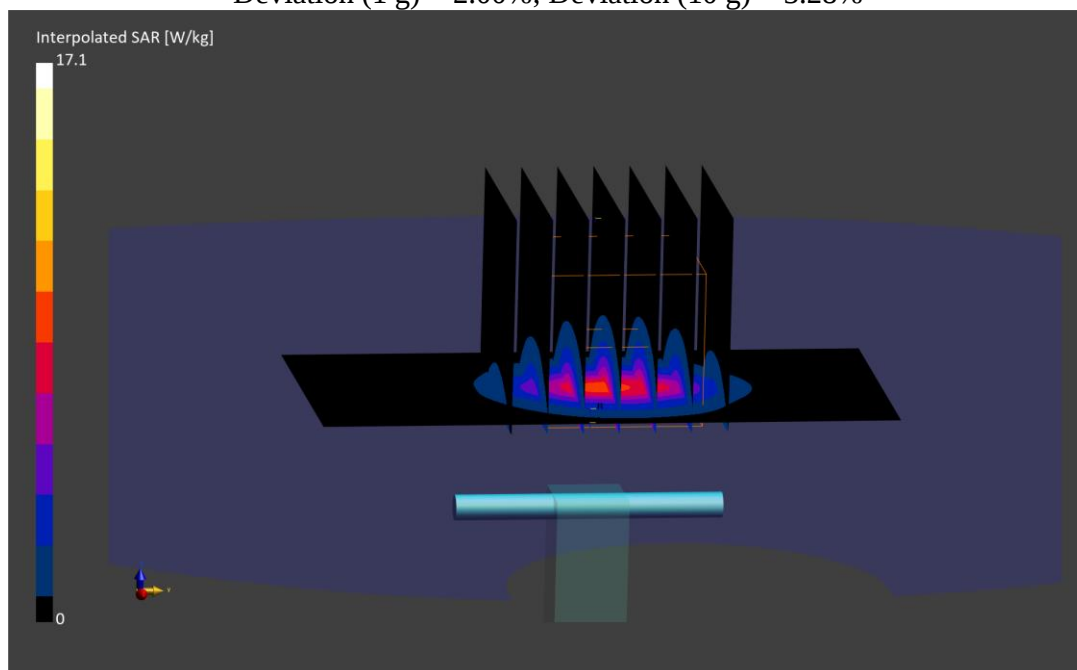
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 17.1 W/kg

**SAR(1 g) = 6.62 W/kg; SAR(10 g) = 2.52 W/kg**

Deviation (1 g) = 2.00%; Deviation (10 g) = 3.28%



# ELEMENT

**DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1127**

Communication System: UID: 0, CW; Frequency: 3500.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3500.0 MHz; cond = 2.81 S/m; perm = 39.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/18/2023; Ambient Temp: 19.8°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7640; ConvF:(7.44,7.44,7.44); 2023-02-10  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 (30deg probe tilt); Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 3500.0 MHz System Verification at 20.0 dBm (100 mW)

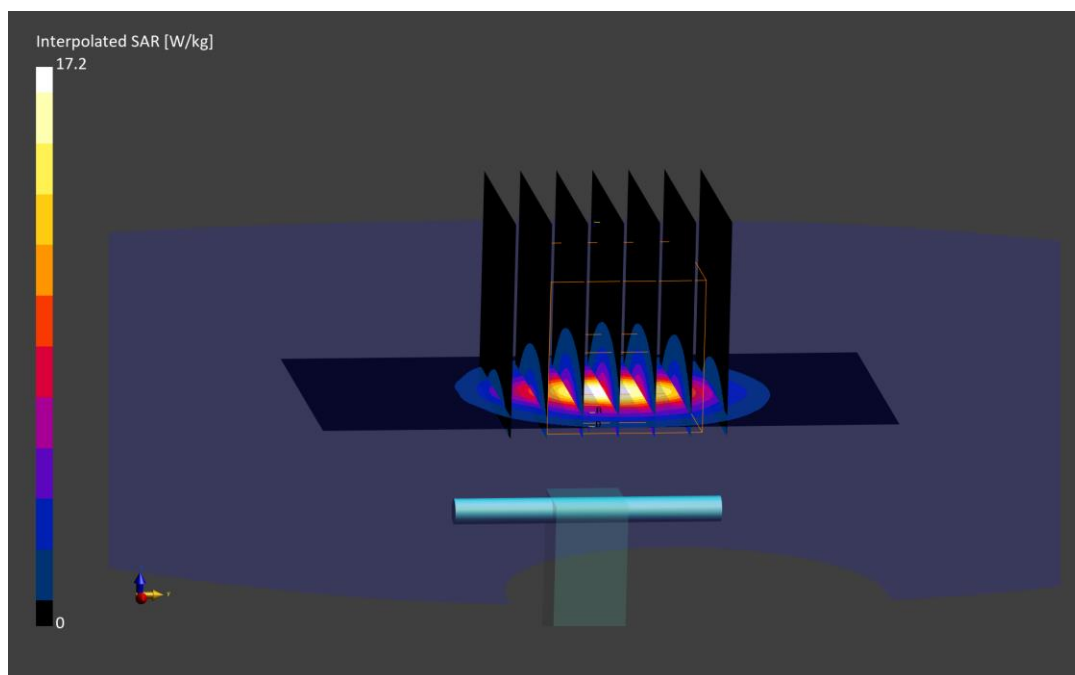
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 17.2 W/kg

**SAR(1 g) = 6.50 W/kg; SAR(10 g) = 2.44 W/kg**

Deviation (1 g) = 0.15%; Deviation (10 g) = 0.00%



# ELEMENT

**DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1127**

Communication System: UID: 0, CW; Frequency: 3500.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3500.0 MHz; cond = 2.80 S/m; perm = 38.3; density = 1000 kg/m3  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/26/2023; Ambient Temp: 20.4°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7558; ConvF:(7.07,7.07,7.07); 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

## 3500.0 MHz System Verification at 20.0 dBm (100 mW)

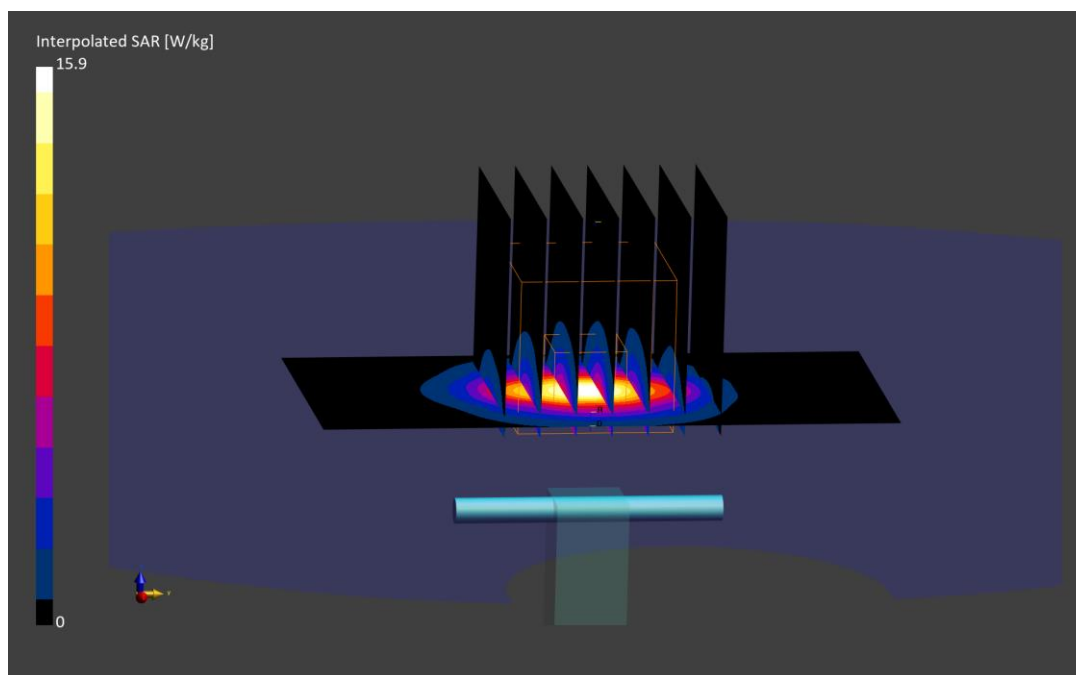
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 15.9 W/kg

**SAR(1 g) = 6.06 W/kg; SAR(10 g) = 2.29 W/kg**

Deviation (1 g) = -6.63%; Deviation (10 g) = -6.15%



# ELEMENT

**DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1096**

Communication System: UID: 0, CW; Frequency: 3700.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3700.0 MHz; cond = 3.00 S/m; perm = 38.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/11/2023; Ambient Temp: 20.8°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7640; ConvF:(7.39,7.39,7.39); 2023-02-10  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 (30deg probe tilt); Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 3700.0 MHz System Verification at 20.0 dBm (100 mW)

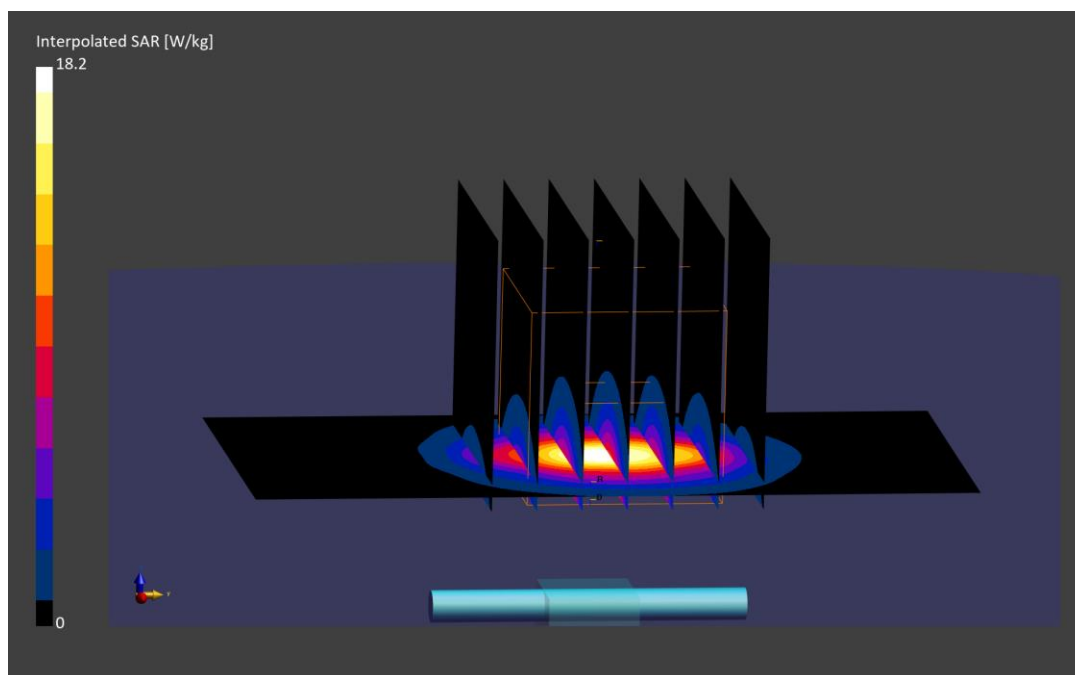
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 18.2 W/kg

**SAR(1 g) = 6.74 W/kg; SAR(10 g) = 2.48 W/kg**

Deviation (1 g) = 0.75%; Deviation (10 g) = 1.64%



# ELEMENT

**DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1096**

Communication System: UID: 0, CW; Frequency: 3700.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3700.0 MHz; cond = 3.00 S/m; perm = 39.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/18/2023; Ambient Temp: 19.8°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7640; ConvF:(7.39,7.39,7.39); 2023-02-10  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 (30deg probe tilt); Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 3700.0 MHz System Verification at 20.0 dBm (100 mW)

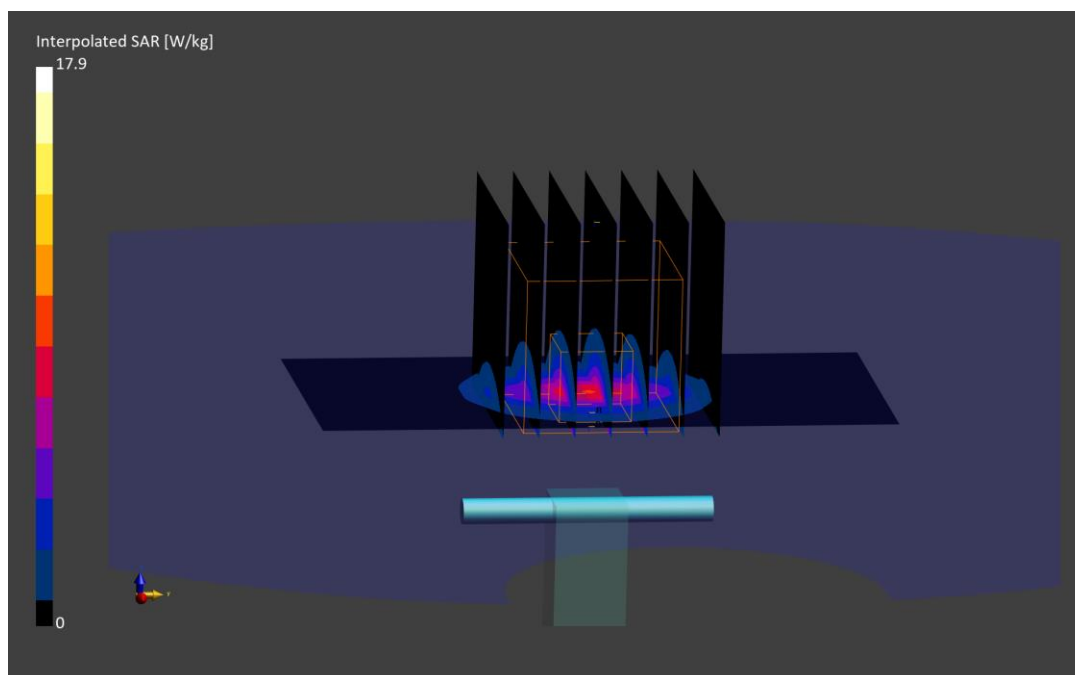
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 17.9 W/kg

**SAR(1 g) = 6.30 W/kg; SAR(10 g) = 2.32 W/kg**

Deviation (1 g) = -5.83%; Deviation (10 g) = -4.92%



# ELEMENT

**DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1096**

Communication System: UID: 0, CW; Frequency: 3700.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3700.0 MHz; cond = 3.00 S/m; perm = 37.9; density = 1000 kg/m3  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/26/2023; Ambient Temp: 20.4°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7558; ConvF:(6.94,6.94,6.94); 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

## 3700.0 MHz System Verification at 20.0 dBm (100 mW)

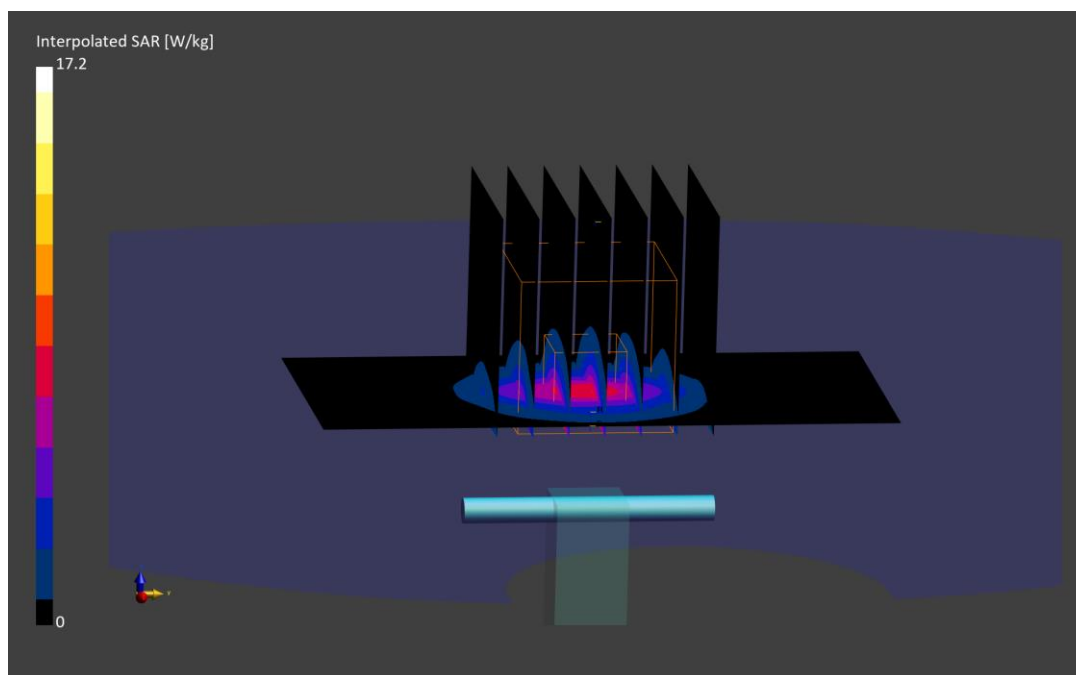
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 17.2 W/kg

**SAR(1 g) = 6.26 W/kg; SAR(10 g) = 2.30 W/kg**

Deviation (1 g) = -6.43%; Deviation (10 g) = -5.74%



# ELEMENT

**DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1074**

Communication System: UID: 0, CW; Frequency: 3900.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3900.0 MHz; cond = 3.21 S/m; perm = 37.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/11/2023; Ambient Temp: 20.8°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7640; ConvF:(6.88,6.88,6.88); 2023-02-10  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1645; 2023-02-16  
Phantom: Twin-SAM V5.0 (30deg probe tilt); Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 3900.0 MHz System Verification at 20.0 dBm (100 mW)

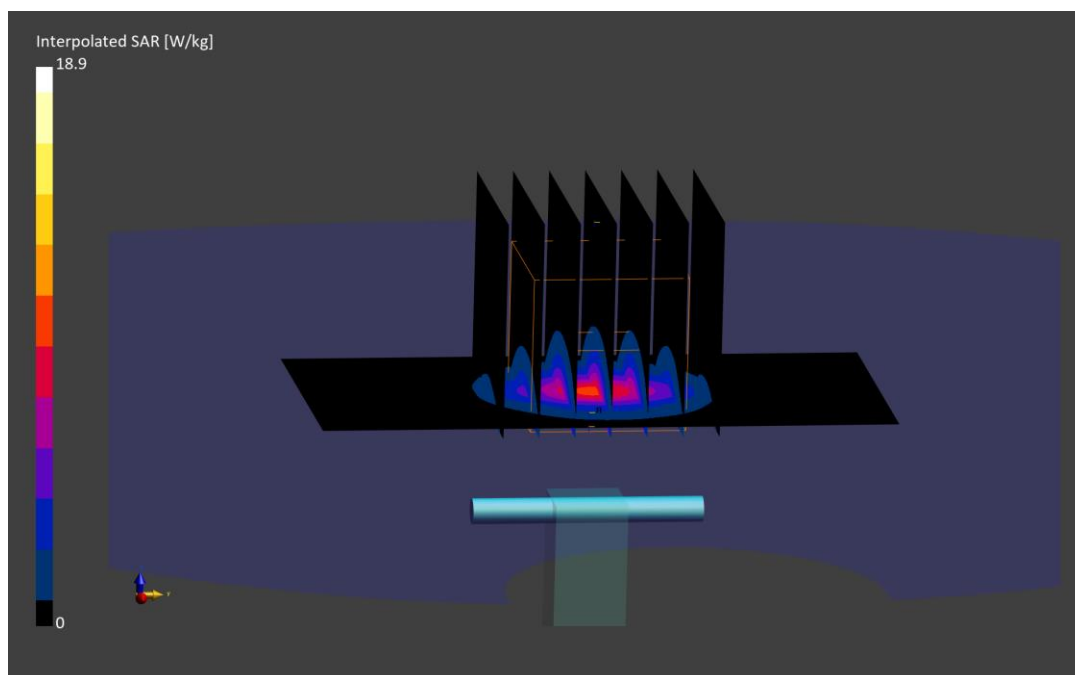
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 18.9 W/kg

**SAR(1 g) = 6.82 W/kg; SAR(10 g) = 2.42 W/kg**

Deviation (1 g) = -1.73%; Deviation (10 g) = 0.41%



# ELEMENT

**DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1074**

Communication System: UID: 0, CW; Frequency: 3900.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3900.0 MHz; cond = 3.19 S/m; perm = 37.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/26/2023; Ambient Temp: 20.4°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7558; ConvF:(6.59,6.59,6.59); 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

## 3900.0 MHz System Verification at 20.0 dBm (100 mW)

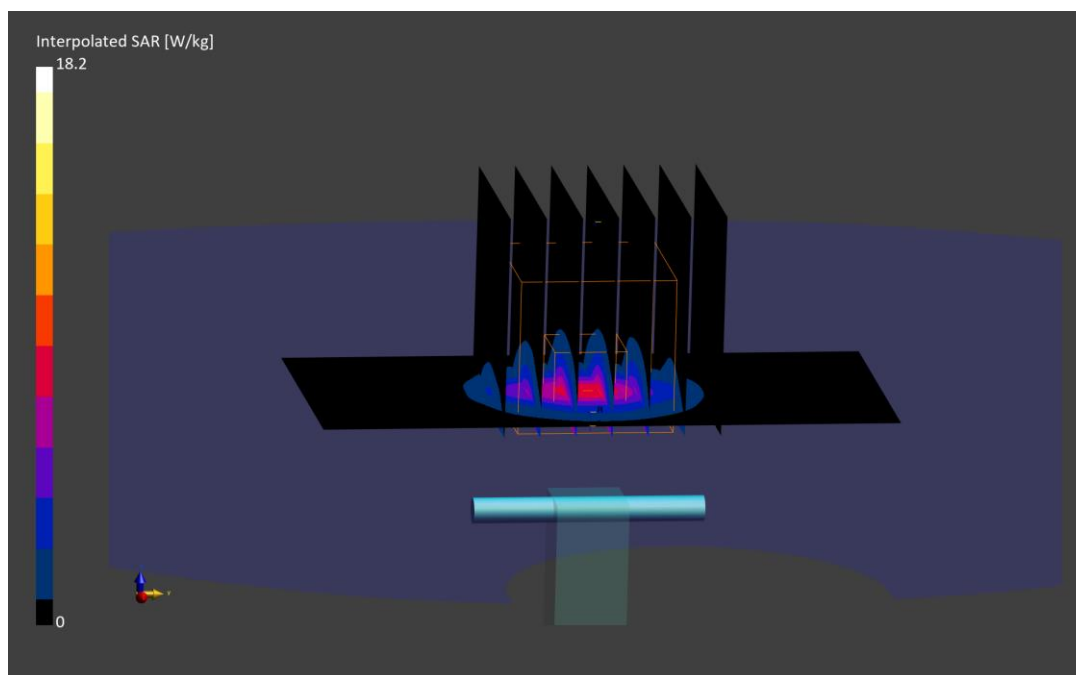
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 18.2 W/kg

**SAR(1 g) = 6.58 W/kg; SAR(10 g) = 2.31 W/kg**

Deviation (1 g) = -5.19%; Deviation (10 g) = -4.15%



# 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 = 4.62 S/m; perm = 34.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/17/2023; Ambient Temp: 23.0°C; Tissue Temp: 22.9°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)

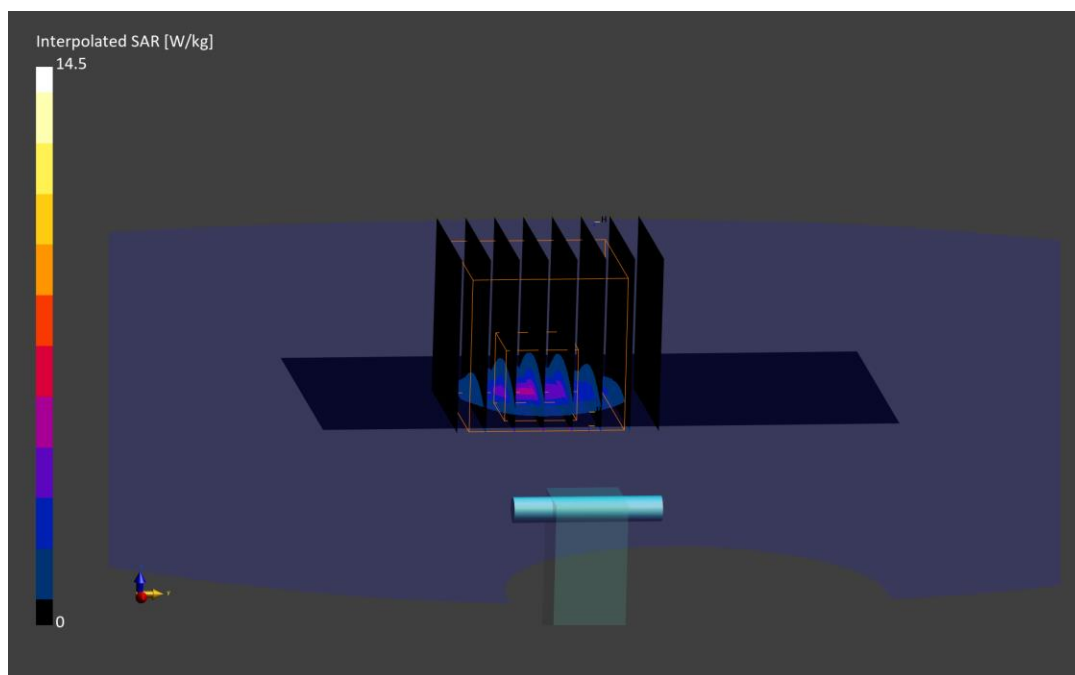
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 14.5 W/kg

**SAR(1 g) = 3.70 W/kg; SAR(10 g) = 1.08 W/kg**

Deviation (1 g) = -7.96%; Deviation (10 g) = -6.49%



# 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 = 5.00 S/m; perm = 34.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/17/2023; Ambient Temp: 23.0°C; Tissue Temp: 22.9°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)

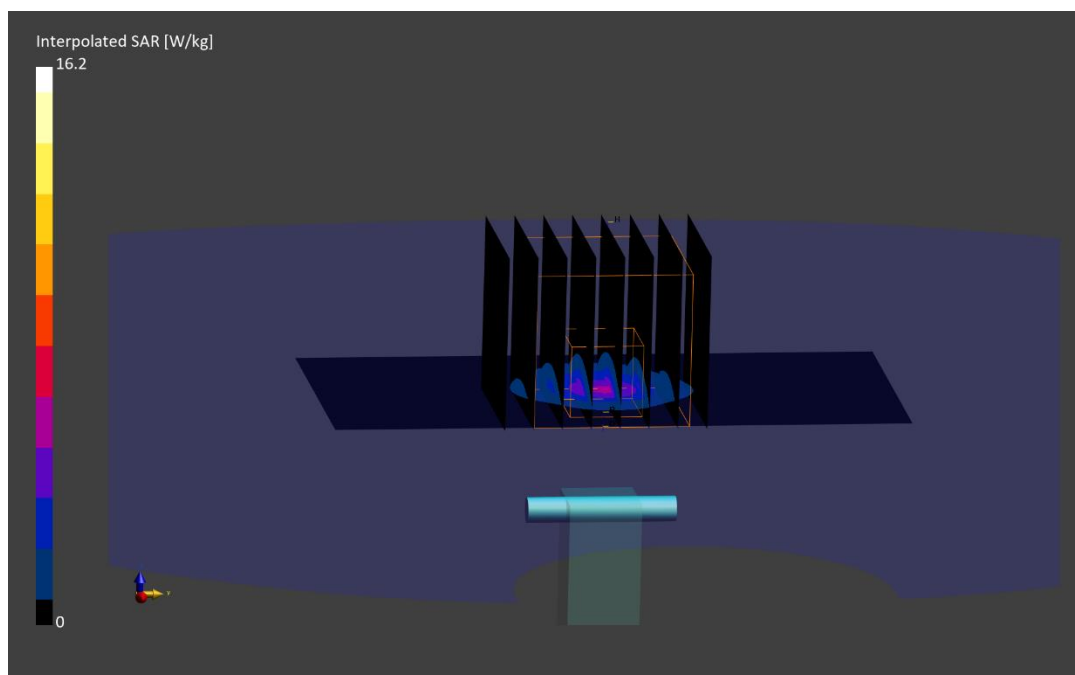
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 16.2 W/kg

**SAR(1 g) = 3.93 W/kg; SAR(10 g) = 1.13 W/kg**

Deviation (1 g) = -4.03%; Deviation (10 g) = -3.00%



# 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 = 5.15 S/m; perm = 33.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 12/17/2023; Ambient Temp: 23.0°C; Tissue Temp: 22.9°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) = 3.67 W/kg; SAR(10 g) = 1.06 W/kg**

Deviation (1 g) = -6.38%; Deviation (10 g) = -4.93%

