

**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; cond = 0.717 S/m; perm = 56.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 0 mm

Test Date: 04/25/2023; Ambient Temp: 23°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7417; ConvF:(18.67,18.67,18.67); Calibrated: 2023-02-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn665; Calibrated: 2023-02-15  
Phantom: ELI V8.0; Serial: 2077  
Measurement SW: DASY Module SAR V16.2.0.1425

## 13.0 MHz System Verification at 30.0 dBm (1.00 W)

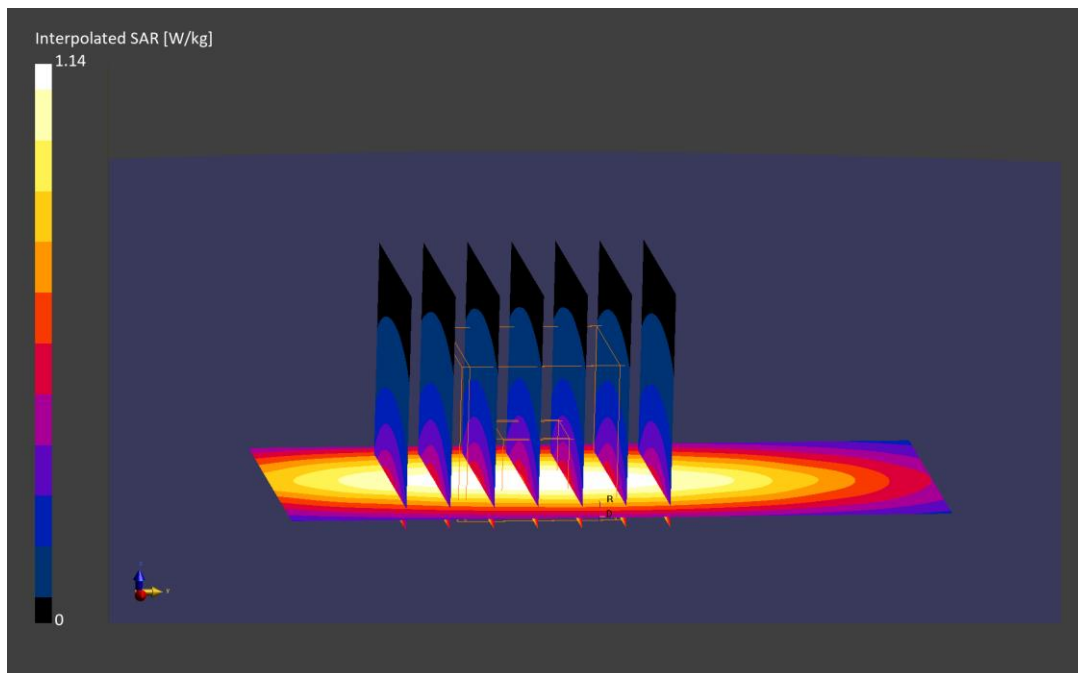
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 1.14 W/kg

**SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.336 W/kg**

Deviation (1 g) = -2.33%; Deviation (10 g) = -2.89%;



# ELEMENT

**DUT: D750V3 - SN1003; Type: D750V3; Serial: SN1003**

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$ ;  $\sigma = 0.871 \text{ S/m}$ ;  $\epsilon_r = 42.365$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 15 mm

Test Date: 03/16/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7491; ConvF(10.11, 10.11, 10.11) @ 750 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

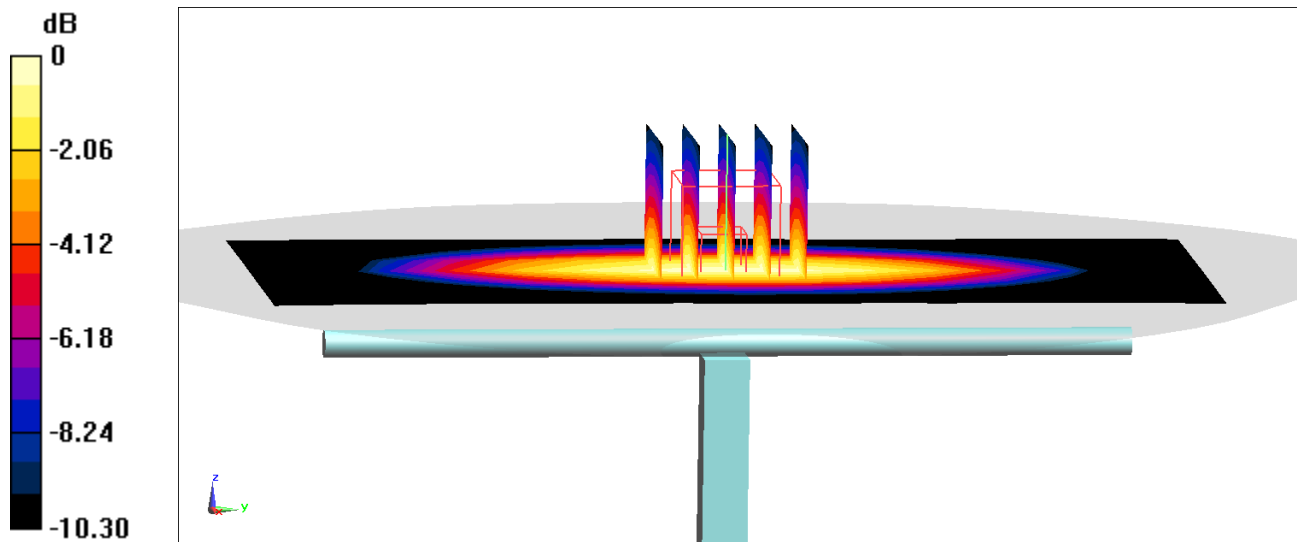
**Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.60 W/kg

**SAR(1 g) = 1.73 W/kg; SAR(10 g) = 1.15 W/kg**

Deviation(1 g) = 0.70%; Deviation(10 g) = 1.59%



0 dB = 2.31 W/kg = 3.64 dBW/kg

# ELEMENT

**DUT: Dipole 750.0 MHz; Type: D750V3 - SN1161**

Communication System: UID: 0, CW; Frequency: 750.0 MHz  
Medium: 750 Head; Medium parameters used:  
f = 750.0 MHz; cond = 0.920 S/m; perm = 41.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 03/20/2023; Ambient Temp: 22.3°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7659; ConvF:(10.93,10.93,10.93); Calibrated: 2022-04-20  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13  
Phantom: Twin-SAM V5.0; Serial: 1873  
Measurement SW: DASY Module SAR V16.2.0.1425

## 750 MHz System Verification at 23 dBm (200 mW)

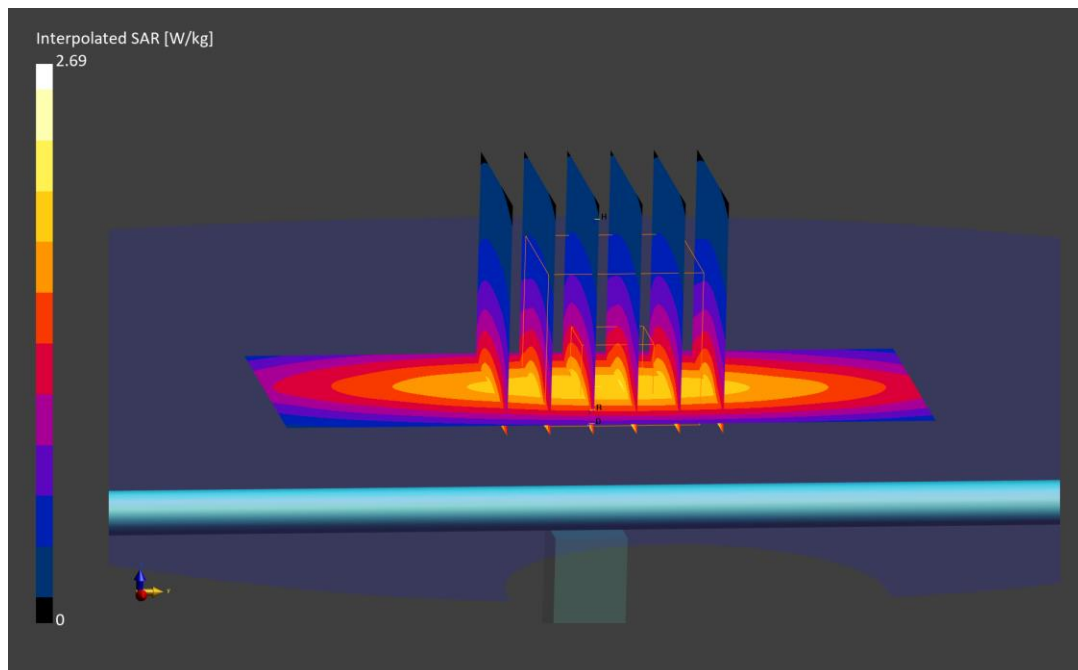
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 2.69 W/kg

**SAR(1 g) = 1.77 W/kg; SAR(10 g) = 1.16 W/kg**

Deviation (1 g) = 4.86%; Deviation (10 g) = 5.26%;



# ELEMENT

**DUT: Dipole 750.0 MHz; Type: D750V3 - SN1054**

Communication System: UID: 0, CW; Frequency: 750.0 MHz  
Medium: 750 Head; Medium parameters used:  
f = 750.0 MHz; cond = 0.887 S/m; perm = 40.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 04/17/2023; Ambient Temp: 20.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7713; ConvF:(10.4,10.4,10.4); Calibrated: 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18  
Phantom: Twin-SAM V8.0; Serial: 2065  
Measurement SW: DASY Module SAR V16.2.0.1425

## 750 MHz System Verification at 23 dBm (200 mW)

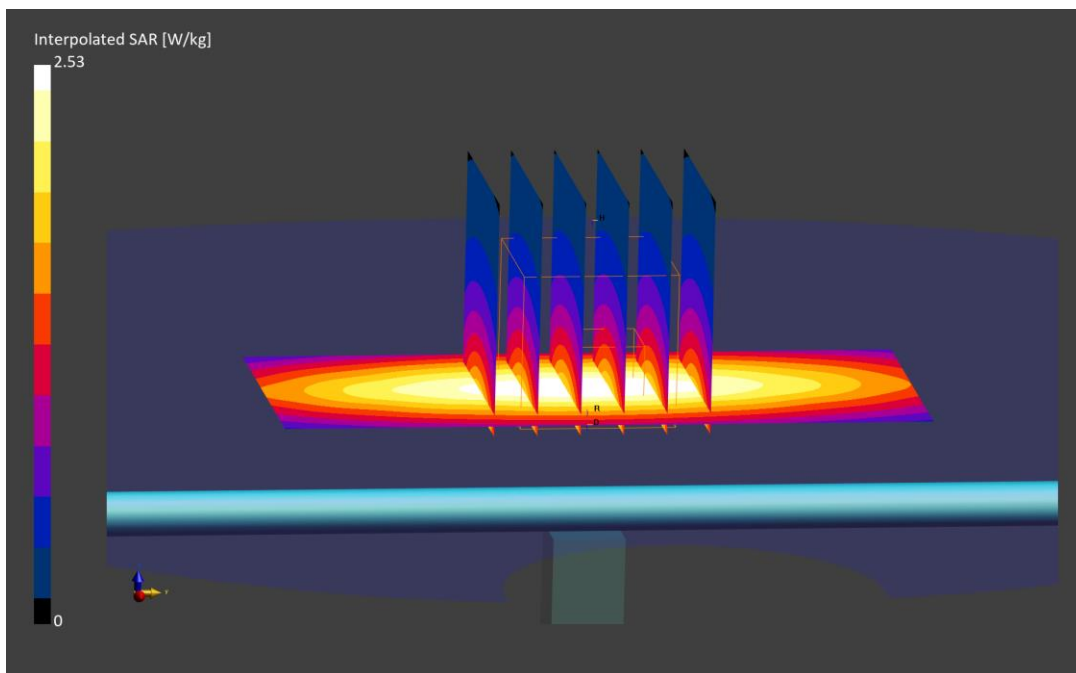
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 2.53 W/kg

**SAR(1 g) = 1.68 W/kg; SAR(10 g) = 1.11 W/kg**

Deviation (1 g) = -1.41%; Deviation (10 g) = -0.89%;



# ELEMENT

**DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d132**

Communication System: UID: 0, CW; Frequency: 835.0 MHz  
Medium: 835 Head; Medium parameters used:  
f = 835.0 MHz; cond = 0.869 S/m; perm = 42.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 03/14/2023; Ambient Temp: 19.6°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7410; ConvF:(9.6,9.6,9.6); Calibrated: 2022-07-19  
Sensor-Surface: 1.4mm (All points)  
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 1630  
Measurement SW: DASY Module SAR V16.2.0.1425

## 835 MHz System Verification at 23 dBm (200 mW)

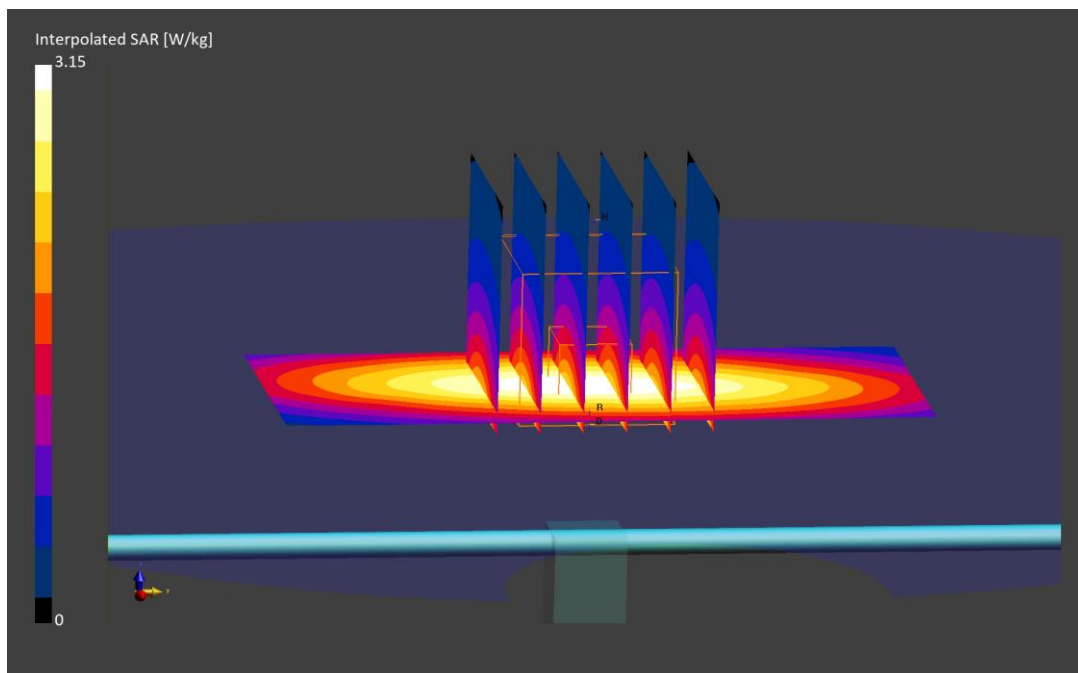
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 2.04 W/kg; SAR(10 g) = 1.34 W/kg**

Deviation (1 g) = 5.59%; Deviation (10 g) = 6.86%



# ELEMENT

**DUT: D835V2 - SN4d180; Type: D835V2; Serial: SN4d180**

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$ ;  $\sigma = 0.903 \text{ S/m}$ ;  $\epsilon_r = 41.322$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 15 mm

Test Date: 03/20/2023; Ambient Temp: 21.4°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7491; ConvF(9.85, 9.85, 9.85) @ 835 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

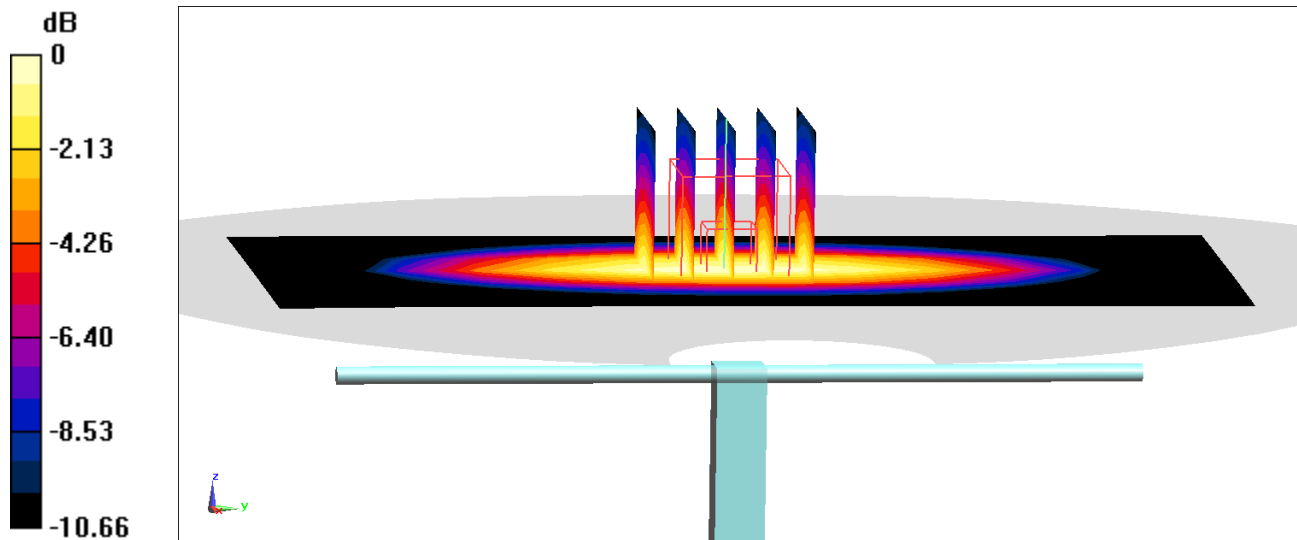
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 3.08 W/kg

**SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.35 W/kg**

Deviation(1 g) = 5.13%; Deviation(10 g) = 5.97%



0 dB = 2.74 W/kg = 4.38 dBW/kg

# ELEMENT

**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d119**

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$ ;  $\sigma = 0.875 \text{ S/m}$ ;  $\epsilon_r = 41.312$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 03/22/2023; Ambient Temp: 22.2°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7402; ConvF(10.22, 10.22, 10.22) @ 835 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 5/16/2022

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

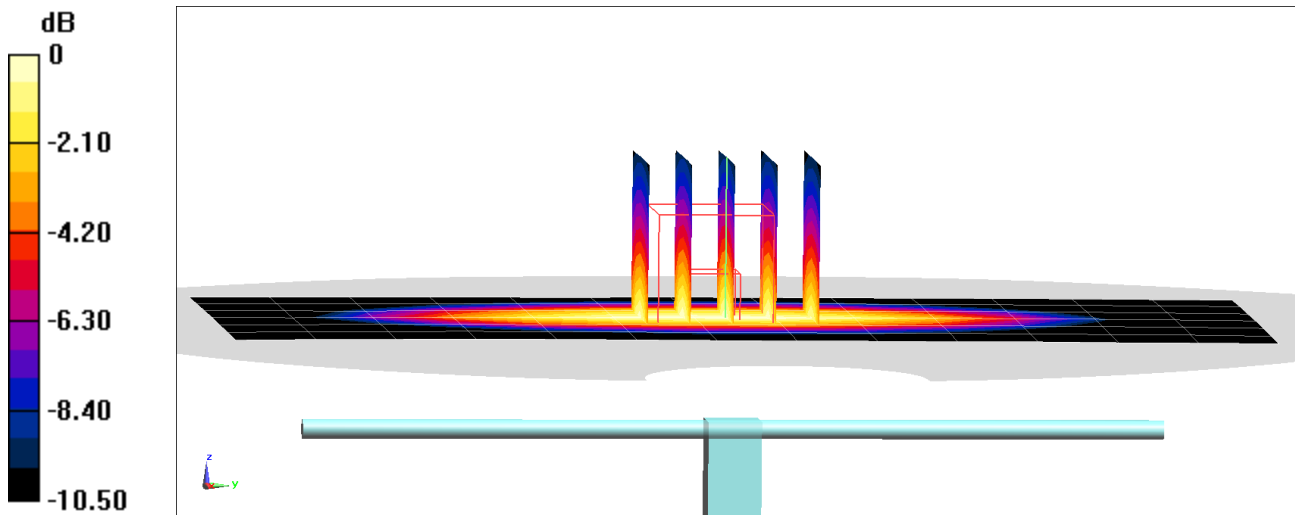
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.64 W/kg

**SAR(1 g) = 1.8 W/kg; SAR(10 g) = 1.19 W/kg**

Deviation(1 g) = -6.83%; Deviation(10 g) = -6.15%



0 dB = 2.37 W/kg = 3.75 dBW/kg



# ELEMENT

**DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d133**

Communication System: UID: 0, CW; Frequency: 835.0 MHz  
Medium: 835 Head; Medium parameters used:  
f = 835.0 MHz; cond = 0.939 S/m; perm = 41.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 04/17/2023; Ambient Temp: 23.3°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7410; ConvF:(9.6,9.6,9.6); Calibrated: 2022-07-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 1630  
Measurement SW: DASY Module SAR V16.2.0.1425

## 835 MHz System Verification at 23 dBm (200 mW)

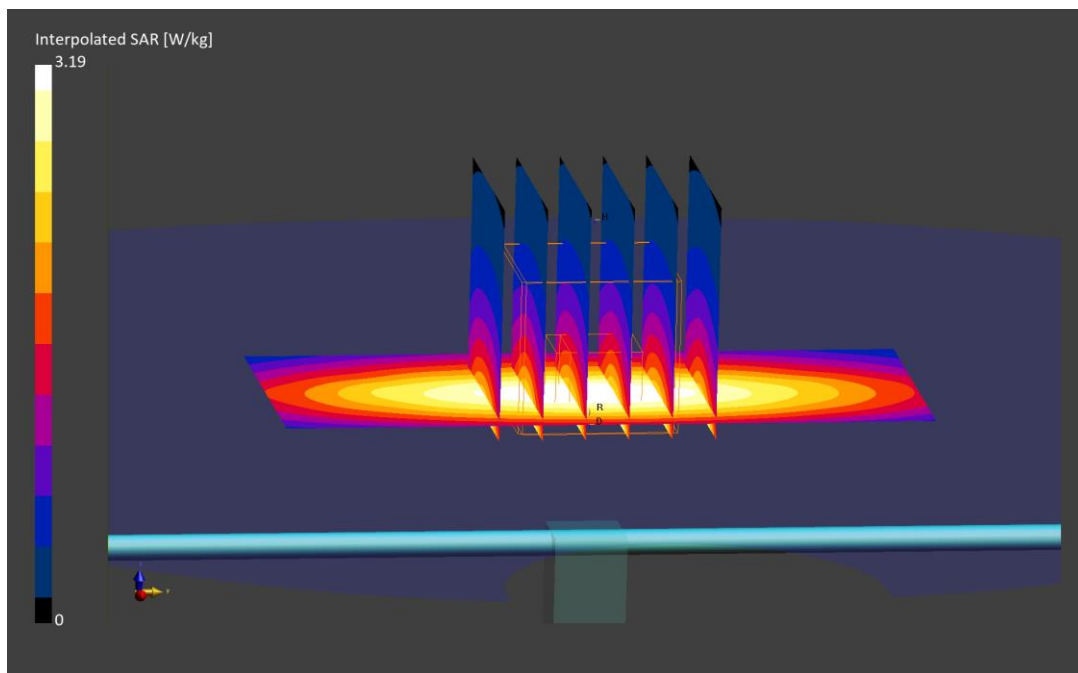
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 3.19 W/kg

**SAR(1 g) = 2.10 W/kg; SAR(10 g) = 1.38 W/kg**

Deviation (1 g) = 7.58%; Deviation (10 g) = 8.32%;



# 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 = 1.32 S/m; perm = 39.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/22/2023; Ambient Temp: 21.3°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7406; ConvF:(8.37,8.37,8.37); Calibrated: 2022-07-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 2064  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750 MHz System Verification at 20 dBm (100 mW)

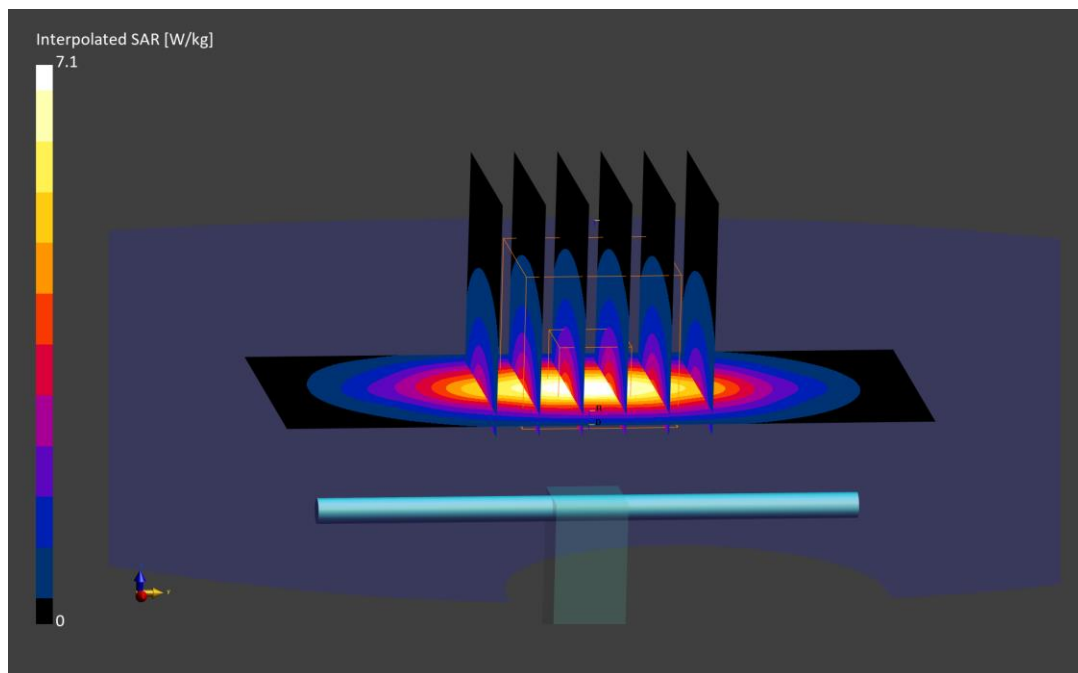
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.10 W/kg

**SAR(1 g) = 3.64 W/kg; SAR(10 g) = 1.93 W/kg**

Deviation (1 g) = -2.15%; Deviation (10 g) = -0.52%;



# 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 = 1.31 S/m; perm = 41.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/27/2023; Ambient Temp: 19.3°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7565; ConvF:(8.23,8.23,8.23); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750 MHz System Verification at 20 dBm (100 mW)

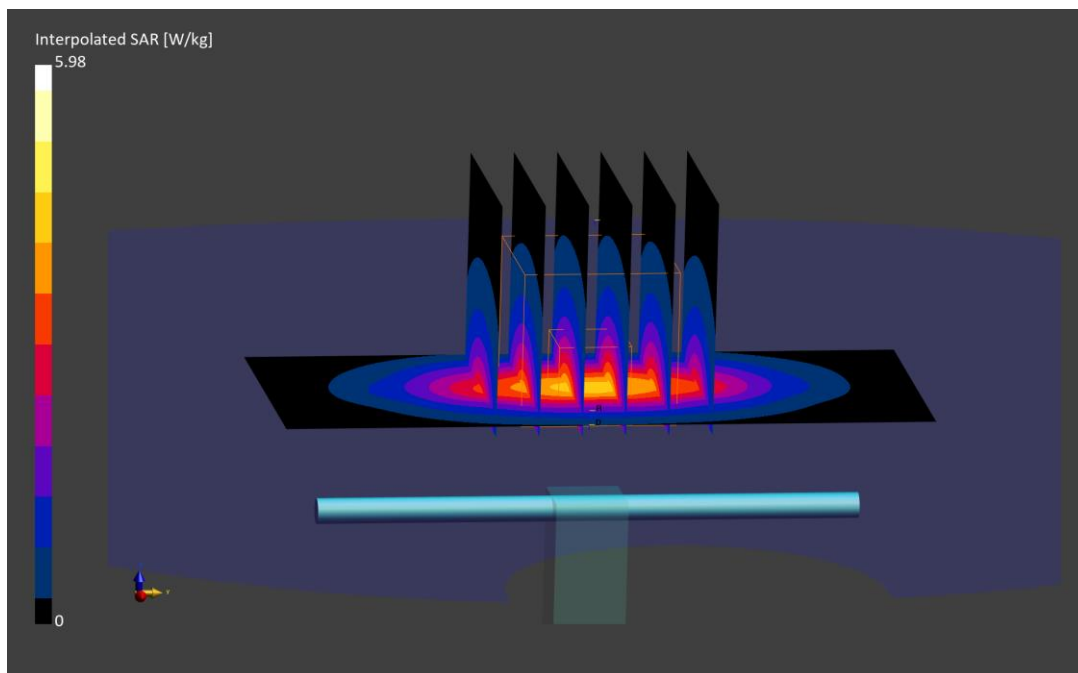
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 5.98 W/kg

**SAR(1 g) = 3.37 W/kg; SAR(10 g) = 1.82 W/kg**

Deviation (1 g) = -7.16%; Deviation (10 g) = -4.71%;



# 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 = 1.42 S/m; perm = 39.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/20/2023; Ambient Temp: 20.1 °C; Tissue Temp: 21.3 °C

Probe: EX3DV4 - SN7565; ConvF:(7.89,7.89,7.89); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900 MHz System Verification at 20 dBm (100 mW)

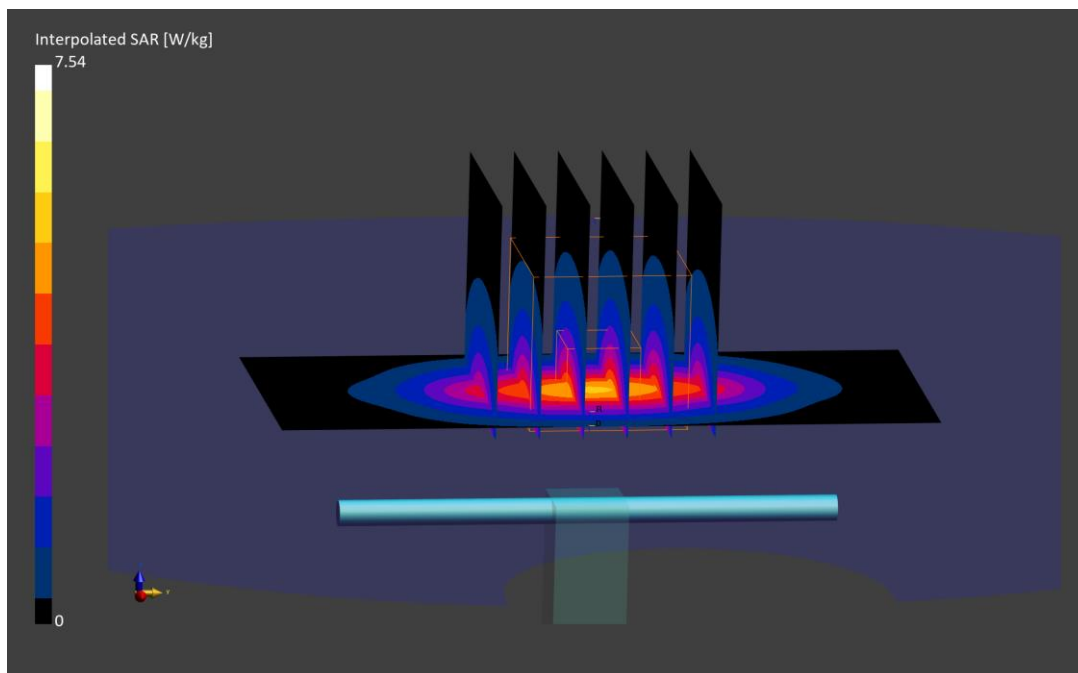
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.54 W/kg

**SAR(1 g) = 4.02 W/kg; SAR(10 g) = 2.08 W/kg**

Deviation (1 g) = 0.75%; Deviation (10 g) = 1.96%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1750 Head; Medium parameters used:  
f = 1900.0 MHz; cond = 1.40 S/m; perm = 41.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/27/2023; Ambient Temp: 19.3°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7565; ConvF:(7.89,7.89,7.89); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900 MHz System Verification at 20 dBm (100 mW)

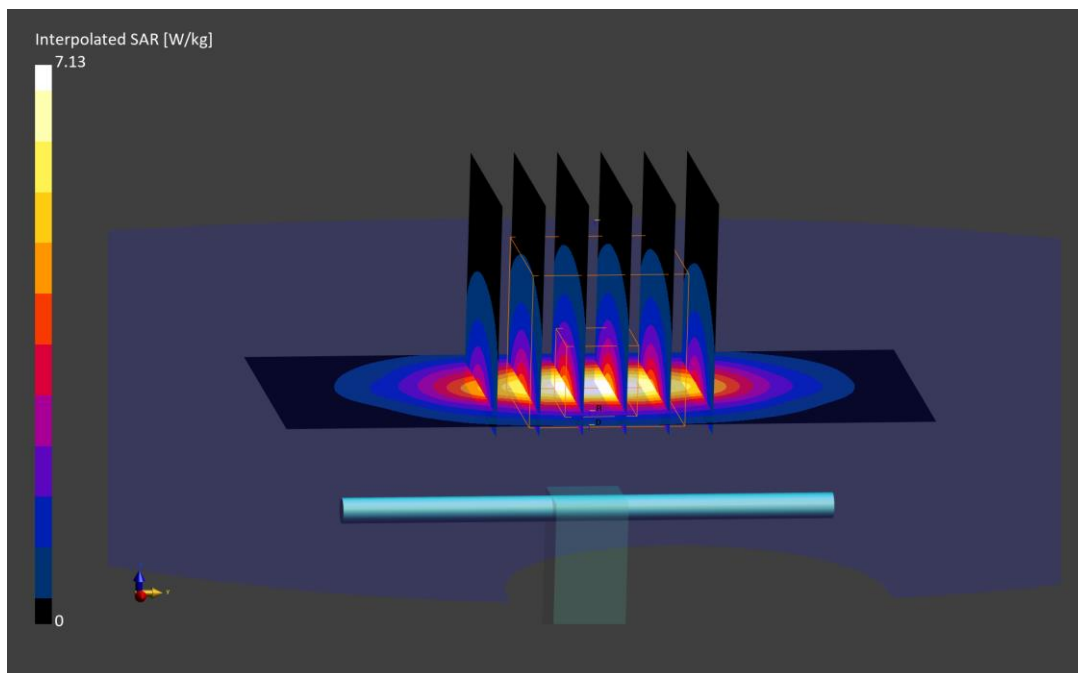
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.13 W/kg

**SAR(1 g) = 3.90 W/kg; SAR(10 g) = 2.04 W/kg**

Deviation (1 g) = -2.26 %; Deviation (10 g) = 0.00 %;



# 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 = 1.39 S/m; perm = 39.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/19/2023; Ambient Temp: 22.5°C; Tissue Temp: 24.5°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); Calibrated: 2022-07-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 1630  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900 MHz System Verification at 20 dBm (100 mW)

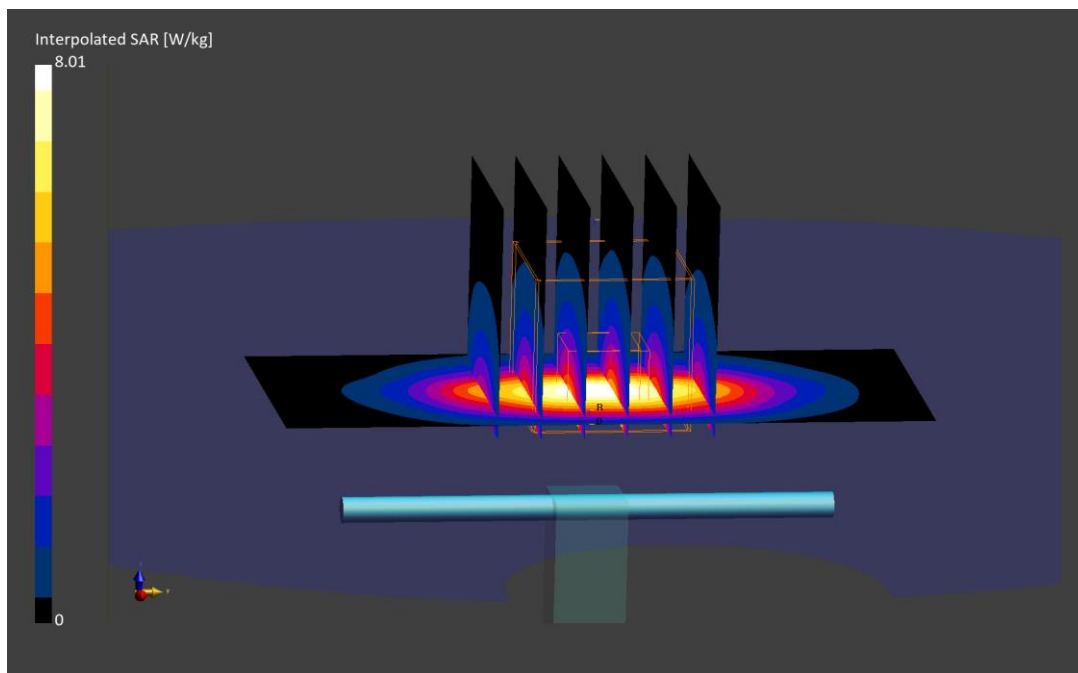
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 8.01 W/kg

**SAR(1 g) = 4.29 W/kg; SAR(10 g) = 2.24 W/kg**

Deviation (1 g) = 5.93%; Deviation (10 g) = 5.66%



# ELEMENT

**DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1008**

Communication System: UID: 0, CW; Frequency: 2300.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2300.0 MHz; cond = 1.66 S/m; perm = 38.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/23/2023; Ambient Temp: 20.4°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7565; ConvF:(7.25,7.25,7.25); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2300 MHz System Verification at 20 dBm (100 mW)

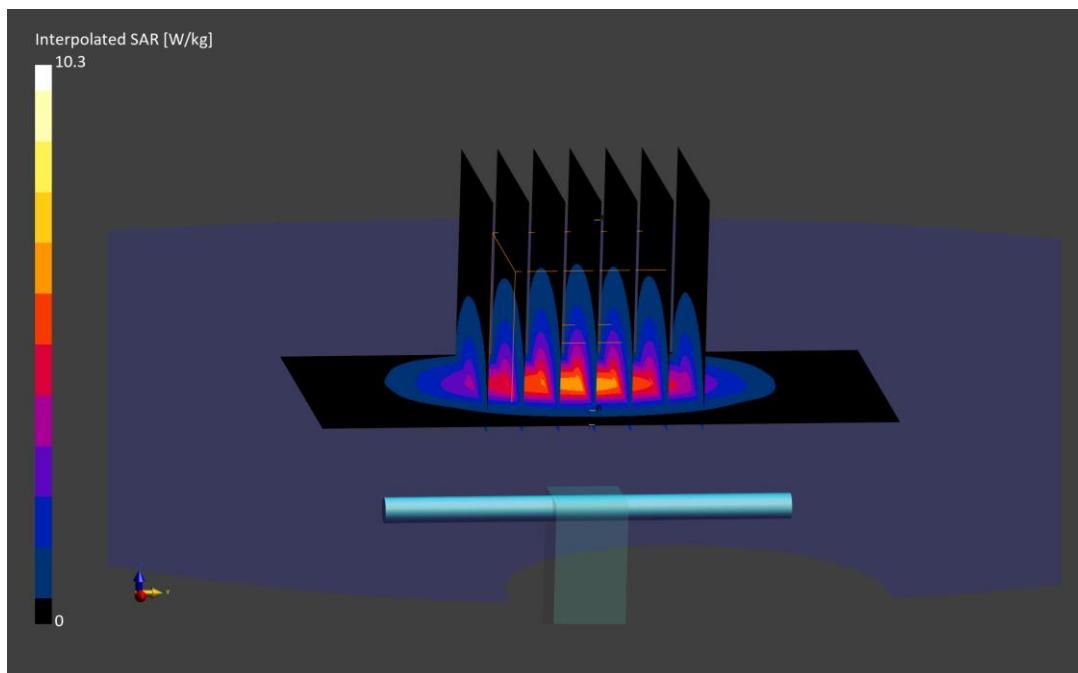
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 10.3 W/kg

**SAR(1 g) = 5.14 W/kg; SAR(10 g) = 2.47 W/kg**

Deviation (1 g) = 3.84%; Deviation (10 g) = 4.22%;



# ELEMENT

**DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1116**

Communication System: UID: 0, CW; Frequency: 2300.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2300.0 MHz; cond = 1.71 S/m; perm = 39.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/25/2023; Ambient Temp: 23.1 °C; Tissue Temp: 21.8 °C

Probe: EX3DV4 - SN7409; ConvF:(7.52,7.52,7.52); Calibrated: 2022-06-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14  
Phantom: Twin-SAM V5.0; Serial: 1792  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2300 MHz System Verification at 20 dBm (100 mW)

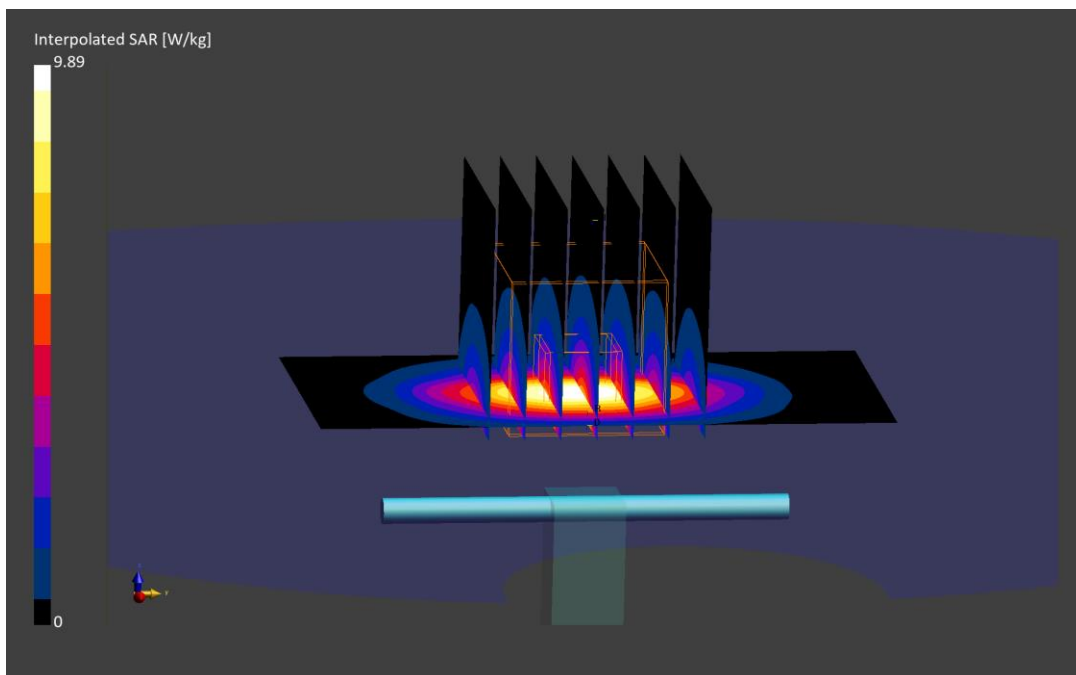
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 9.89 W/kg

**SAR(1 g) = 4.94 W/kg; SAR(10 g) = 2.36 W/kg**

Deviation (1 g) = -0.40%; Deviation (10 g) = -0.84%;





# 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 = 1.78 S/m; perm = 38.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/23/2023; Ambient Temp: 20.4°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7565; ConvF:(7.08,7.08,7.08); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

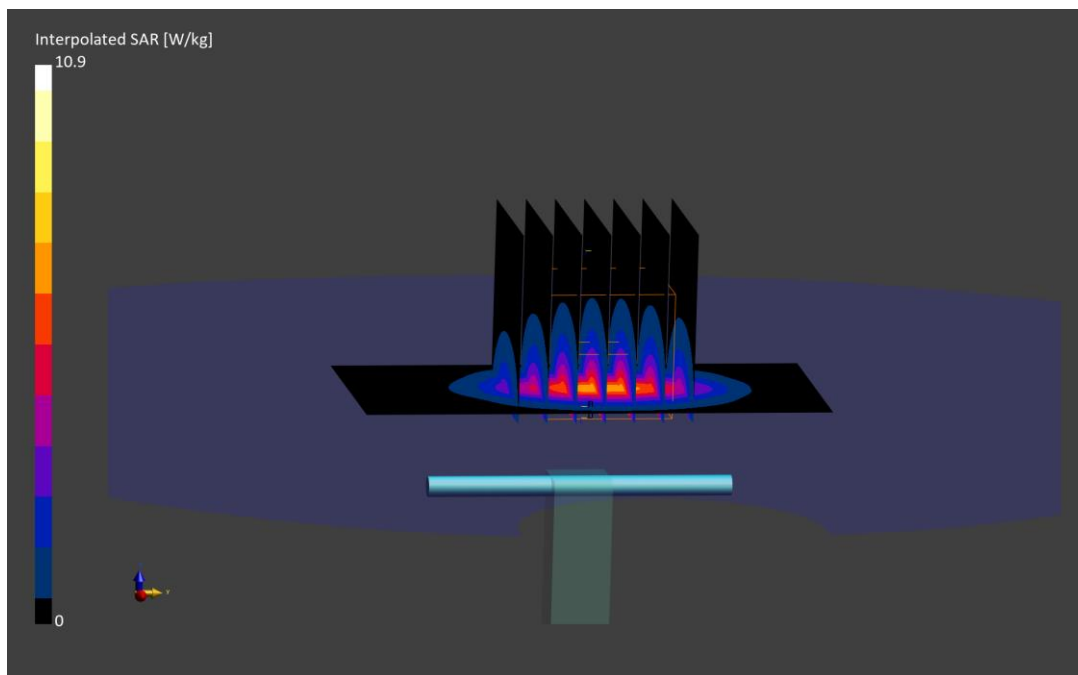
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 10.9 W/kg

**SAR(1 g) = 5.30 W/kg; SAR(10 g) = 2.47 W/kg**

Deviation (1 g) = 2.51%; Deviation (10 g) = 2.07%;



# 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 = 1.77 S/m; perm = 39.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/31/2023; Ambient Temp: 21.2°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7565; ConvF:(7.08,7.08,7.08); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

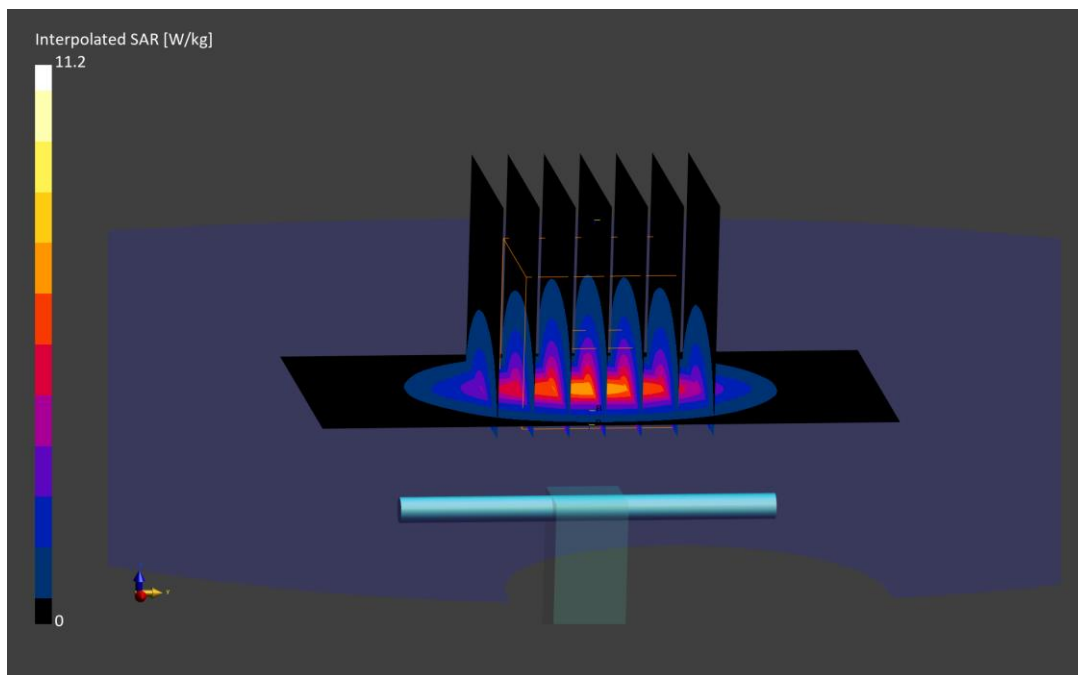
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 5.48 W/kg; SAR(10 g) = 2.57 W/kg**

Deviation (1 g) = 6.00%; Deviation (10 g) = 6.20%;



# 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 = 1.77 S/m; perm = 40.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/03/2023; Ambient Temp: 20.8°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7565; ConvF:(7.08,7.08,7.08); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

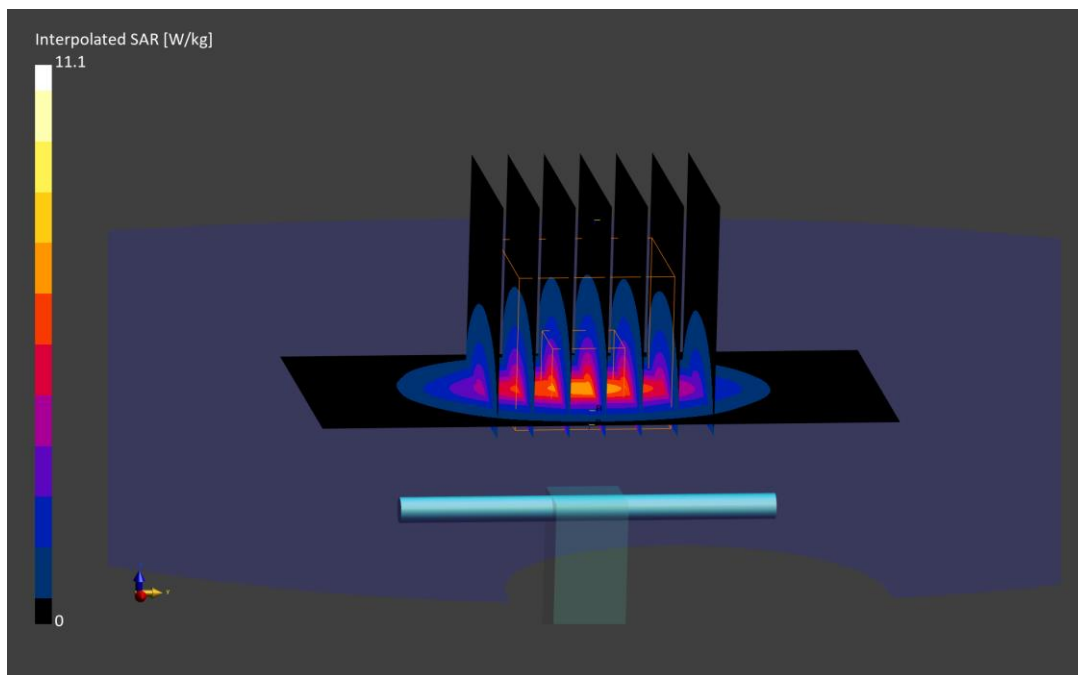
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 11.1 W/kg

**SAR(1 g) = 5.43 W/kg; SAR(10 g) = 2.54 W/kg**

Deviation (1 g) = 5.03%; Deviation (10 g) = 4.96%;



# 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 = 1.80 S/m; perm = 40.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/02/2023; Ambient Temp: 23.1 °C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7410; ConvF:(7.46,7.46,7.46); Calibrated: 2022-07-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 1630  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

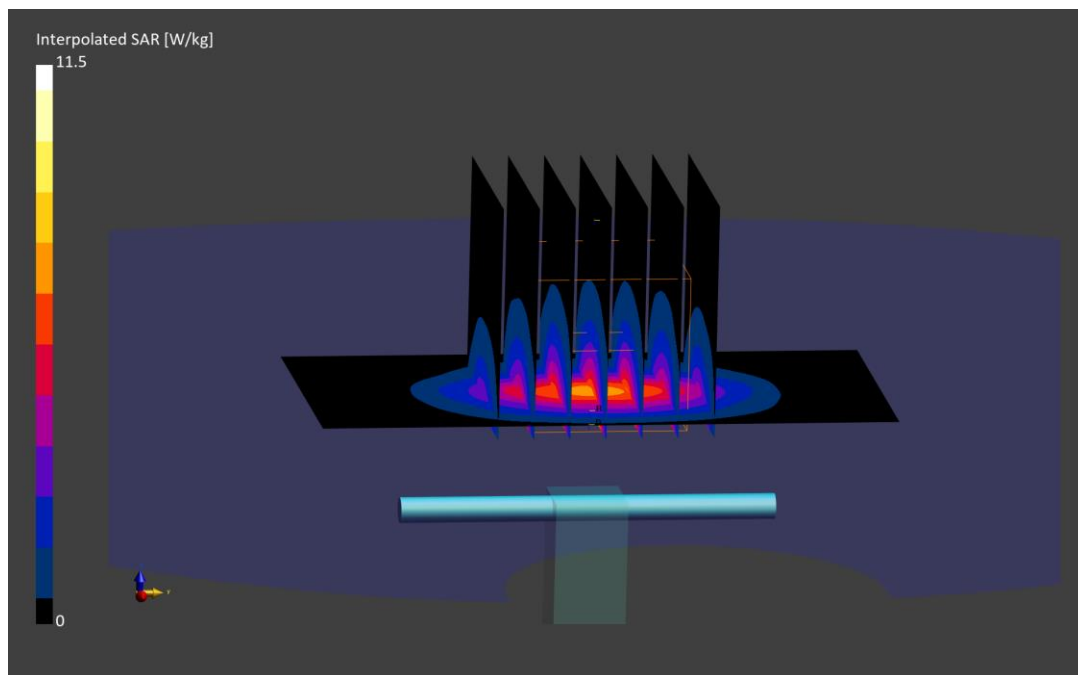
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 11.5 W/kg

**SAR(1 g) = 5.46 W/kg; SAR(10 g) = 2.54 W/kg**

Deviation (1 g) = 1.30%; Deviation (10 g) = 0.00%;



# 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 = 1.82 S/m; perm = 39.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/04/2023; Ambient Temp: 22°C; Tissue Temp: 21°C

Probe: EX3DV4 - SN7410; ConvF:(7.46,7.46,7.46); Calibrated: 2022-07-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 1630  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

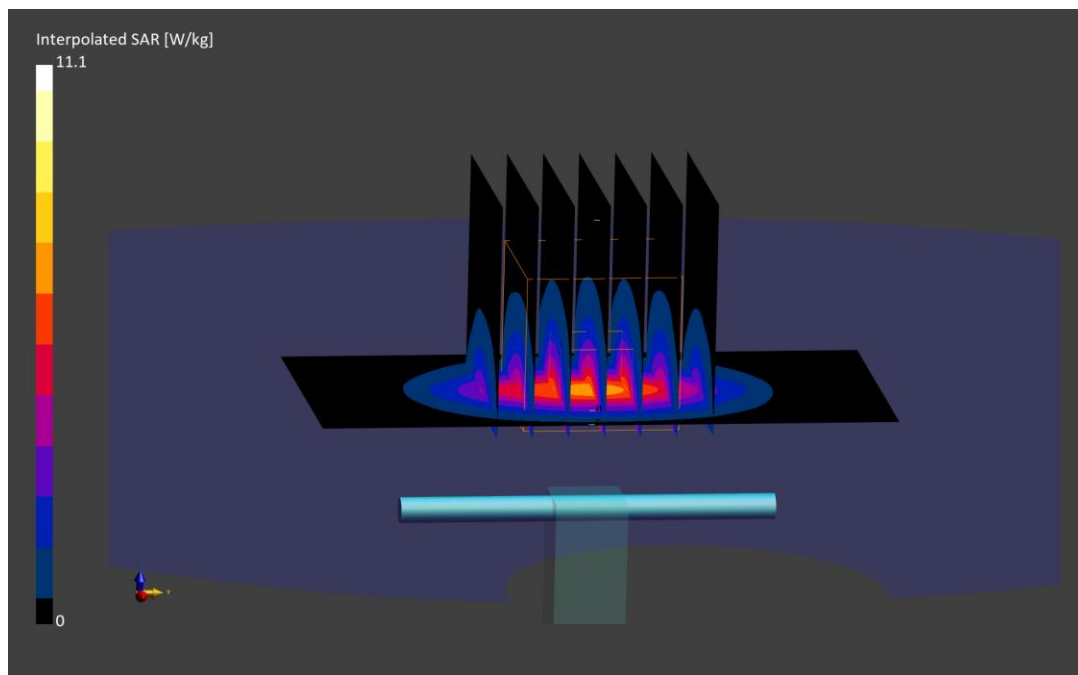
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 11.1 W/kg

**SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.49 W/kg**

Deviation (1 g) = -1.11%; Deviation (10 g) = -1.97%;



# 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 = 1.85 S/m; perm = 40.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/30/2023; Ambient Temp: 20.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7565; ConvF:(7.08,7.08,7.08); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

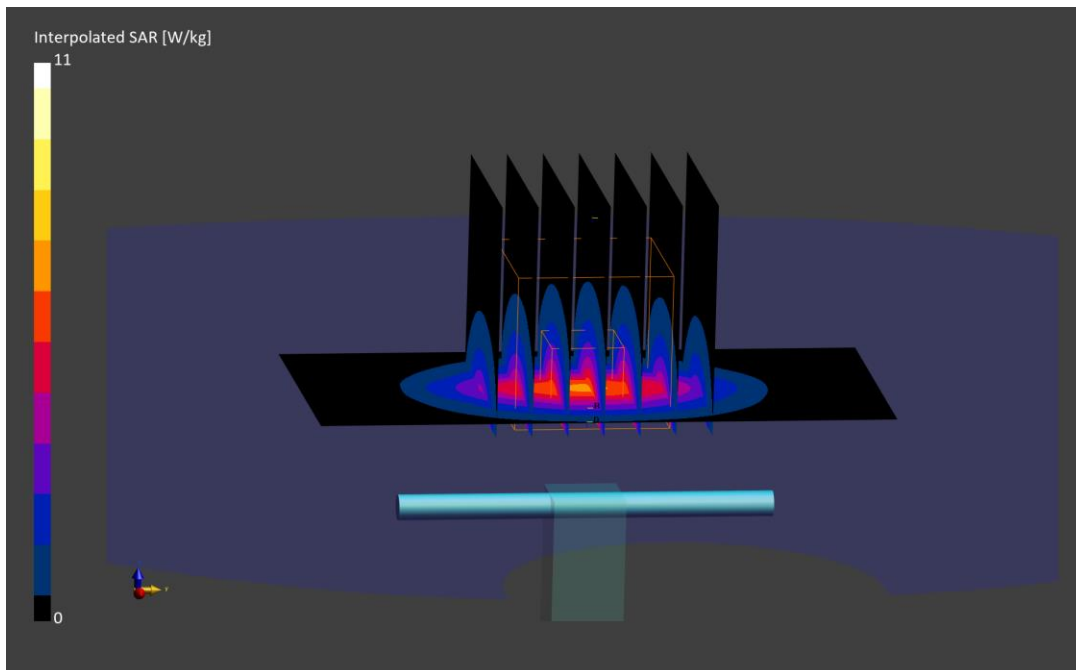
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 11.0 W/kg

**SAR(1 g) = 5.12 W/kg; SAR(10 g) = 2.36 W/kg**

Deviation (1 g) = -0.97%; Deviation (10 g) = -2.48%;



# 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 = 39.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/22/2023; Ambient Temp: 23.9°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 2060  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

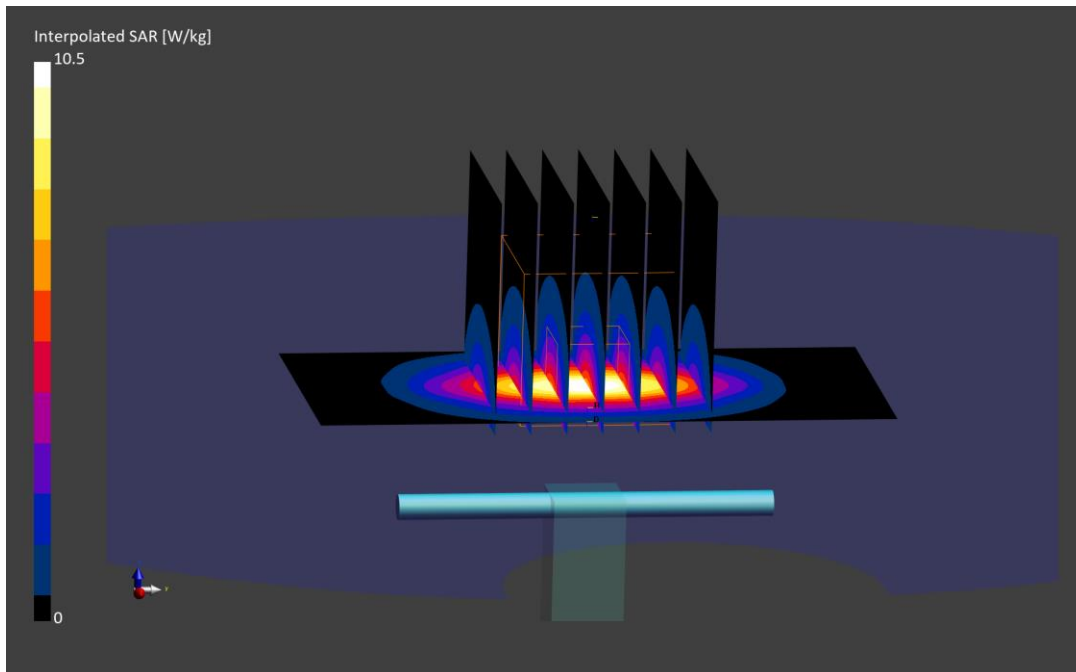
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 5.17 W/kg; SAR(10 g) = 2.42 W/kg**

Deviation (1 g) = -4.08%; Deviation (10 g) = -4.72%;



# 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 = 1.90 S/m; perm = 38.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/23/2023; Ambient Temp: 20.4°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7565; ConvF:(6.89,6.89,6.89); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

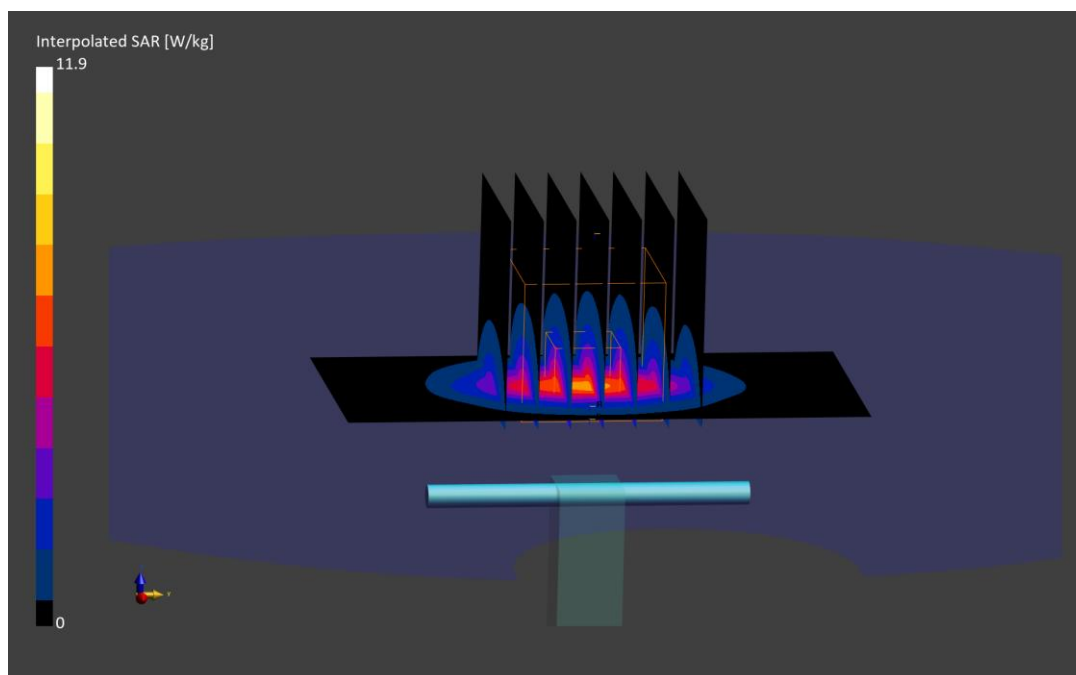
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 5.52 W/kg; SAR(10 g) = 2.49 W/kg**

Deviation (1 g) = -1.25%; Deviation (10 g) = -1.19%;





# ELEMENT

**DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1071**

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2600.0 MHz; cond = 1.89 S/m; perm = 37.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/27/2023; Ambient Temp: 22.1 °C; Tissue Temp: 20.5 °C

Probe: EX3DV4 - SN7410; ConvF:(7.33,7.33,7.33); Calibrated: 2022-07-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 1630  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

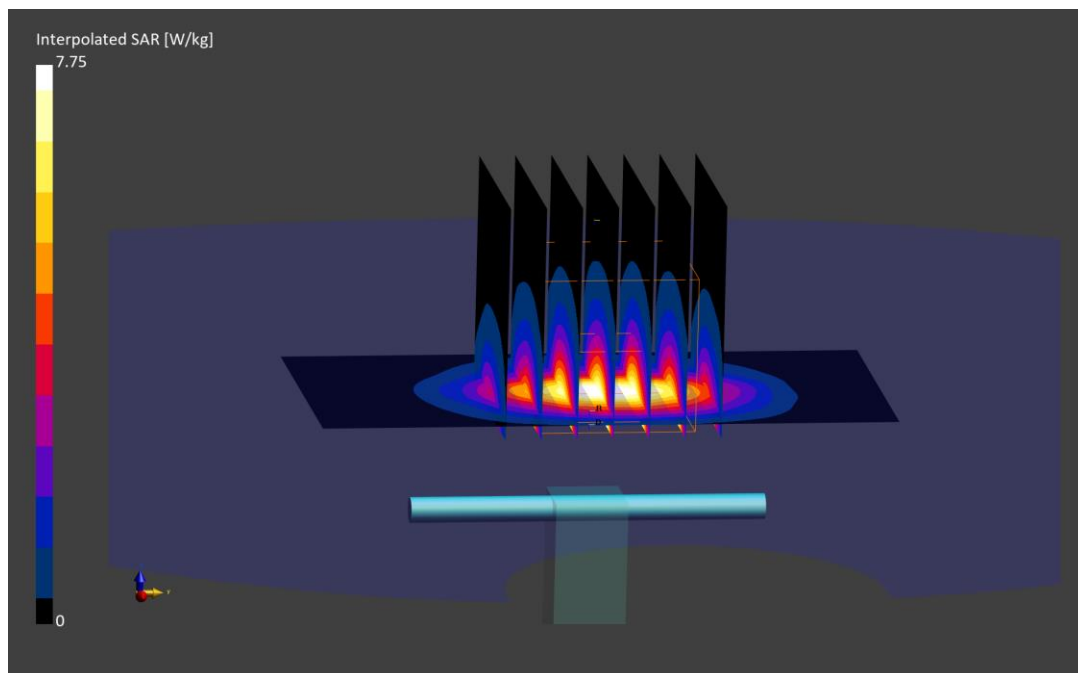
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 5.79 W/kg; SAR(10 g) = 2.62 W/kg**

Deviation (1 g) = 2.48%; Deviation (10 g) = 3.15%;



# 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 = 1.89 S/m; perm = 39.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/31/2023; Ambient Temp: 21.2°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7565; ConvF:(6.89,6.89,6.89); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

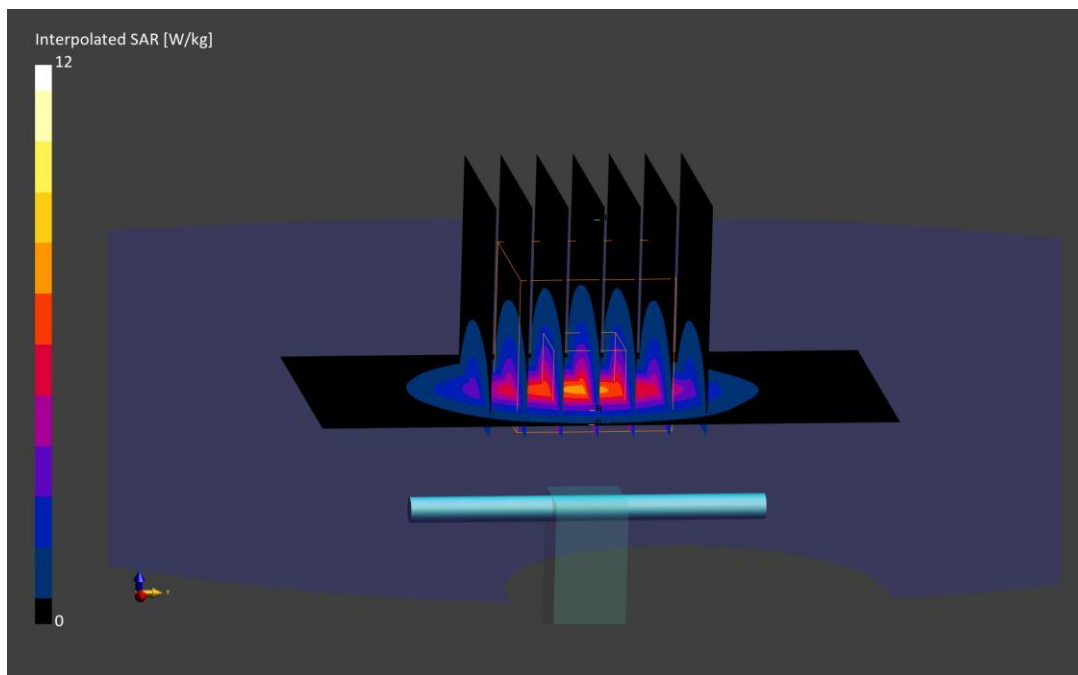
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 12.0 W/kg

**SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.53 W/kg**

Deviation (1 g) = -0.18%; Deviation (10 g) = 0.40%;



# 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 = 1.89 S/m; perm = 39.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/03/2023; Ambient Temp: 20.8°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7565; ConvF:(6.89,6.89,6.89); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

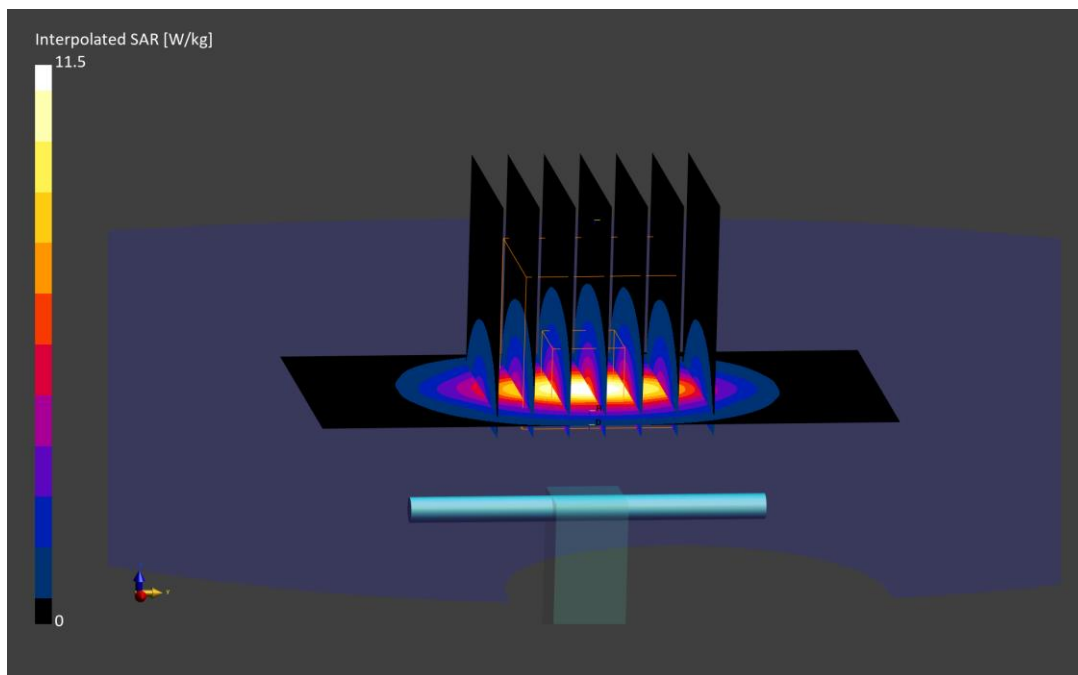
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 11.5 W/kg

**SAR(1 g) = 5.35 W/kg; SAR(10 g) = 2.42 W/kg**

Deviation (1 g) = -4.29%; Deviation (10 g) = -3.97%;



# ELEMENT

**DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1069**

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2600.0 MHz; cond = 1.93 S/m; perm = 39.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/04/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7421; ConvF:(7.2,7.2,7.2); Calibrated: 2023-03-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn604; Calibrated: 2023-03-15  
Phantom: Twin-SAM V8.0; Serial: 2070  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

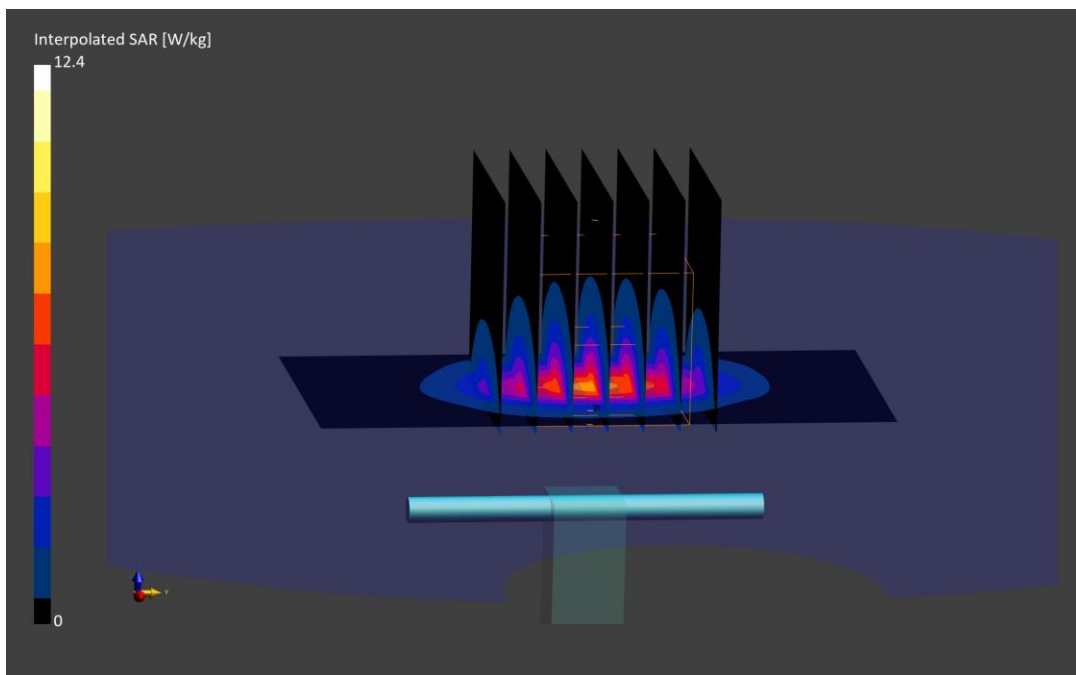
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 12.4 W/kg

**SAR(1 g) = 5.79 W/kg; SAR(10 g) = 2.62 W/kg**

Deviation (1 g) = 4.14%; Deviation (10 g) = 5.22%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 3500.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3500.0 MHz; cond = 2.96 S/m; perm = 36.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/27/2023; Ambient Temp: 21.7°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7490; ConvF:(6.9,6.9,6.9); Calibrated: 2022-12-09  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1644; Calibrated: 2022-12-13  
Phantom: Twin-SAM V8.0; Serial: 2034  
Measurement SW: DASY Module SAR V16.2.0.1425

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

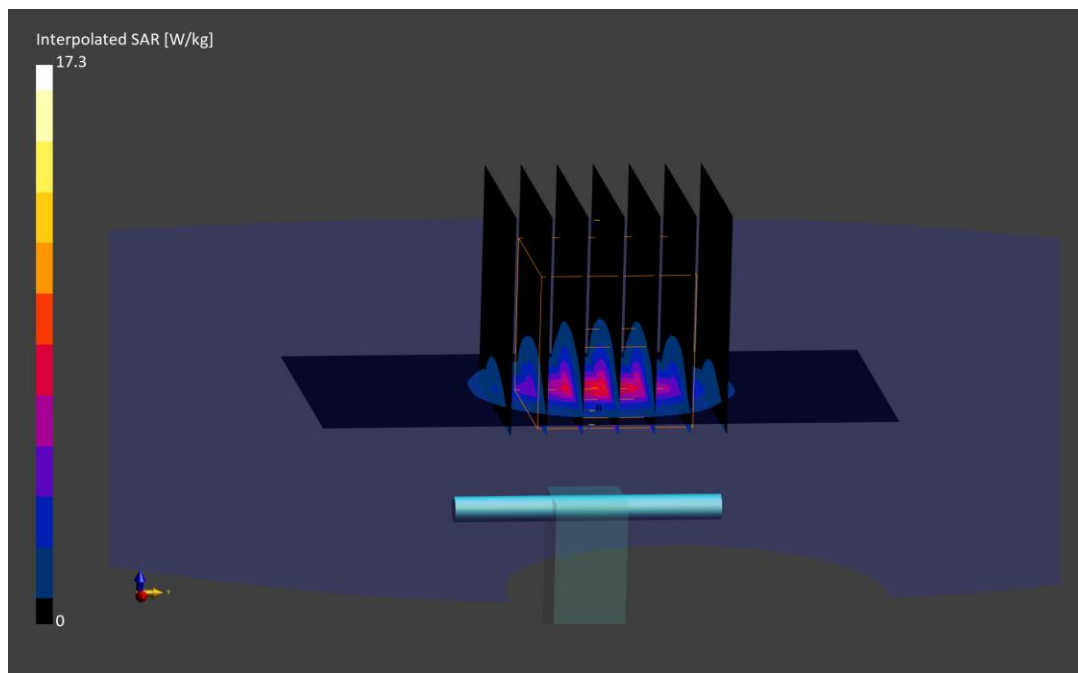
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 17.3 W/kg

**SAR(1 g) = 6.47 W/kg; SAR(10 g) = 2.44 W/kg**

Deviation (1 g) = -3.43%; Deviation (10 g) = 2.40%;



# ELEMENT

**DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1097**

Communication System: UID: 0, CW; Frequency: 3500.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3500.0 MHz; cond = 2.79 S/m; perm = 38.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/18/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7406; ConvF:(7.06,7.06,7.06); Calibrated: 2022-07-18  
Sensor-Surface: 1.4mm (All points)  
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 2064  
Measurement SW: DASY Module SAR V16.2.0.1425

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

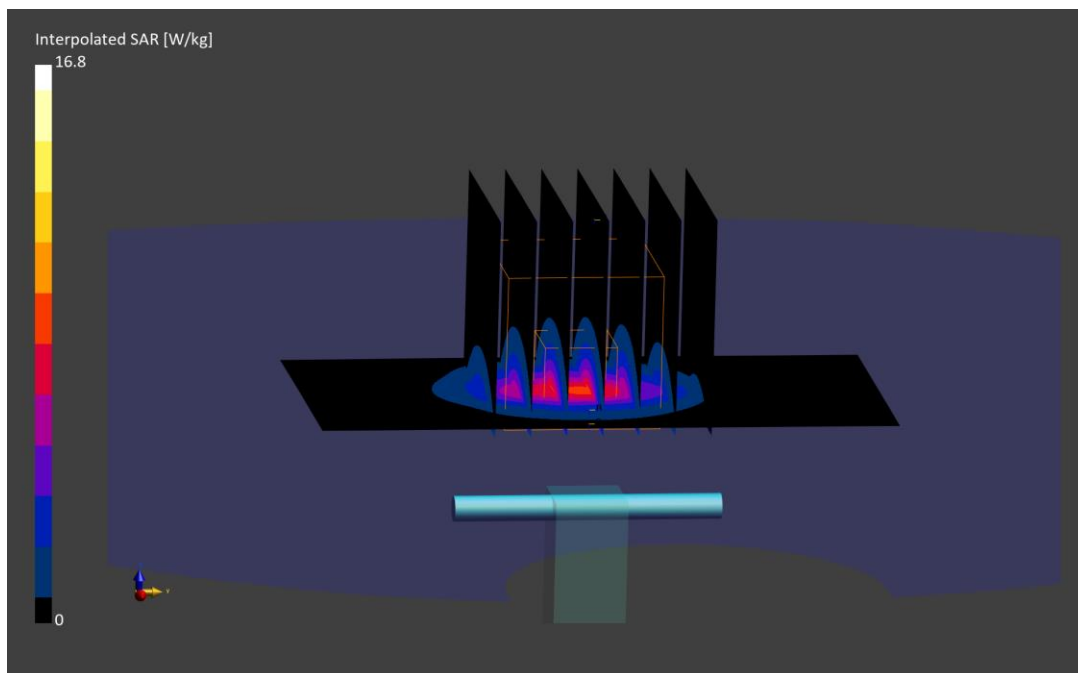
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 16.8 W/kg

**SAR(1 g) = 6.48 W/kg; SAR(10 g) = 2.49 W/kg**

Deviation (1 g) = -0.92%; Deviation (10 g) = 0.81%



# ELEMENT

**DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1055**

Communication System: UID: 0, CW; Frequency: 3500.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3500.0 MHz; cond = 2.93 S/m; perm = 37.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/24/2023; Ambient Temp: 21.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3837; ConvF:(6.82,6.82,6.82); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

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

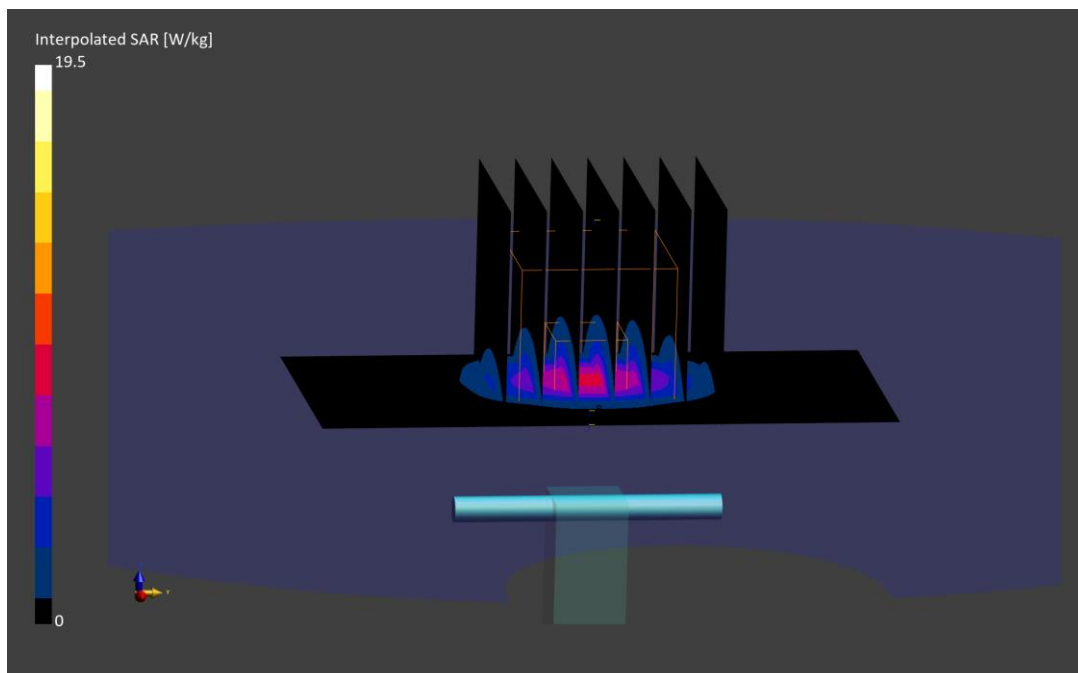
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 19.5 W/kg

**SAR(1 g) = 6.98 W/kg; SAR(10 g) = 2.61 W/kg**

Deviation (1 g) = 5.76%; Deviation (10 g) = 4.82%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 3500.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3500.0 MHz; cond = 2.84 S/m; perm = 38.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/05/2023; Ambient Temp: 20.1 °C; Tissue Temp: 22.0 °C

Probe: EX3DV4 - SN7638; ConvF:(7.02,7.02,7.02); Calibrated: 2023-03-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1408; Calibrated: 2023-03-13  
Phantom: Twin-SAM V8.0; Serial: 1357  
Measurement SW: DASY Module SAR V16.2.0.1425

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

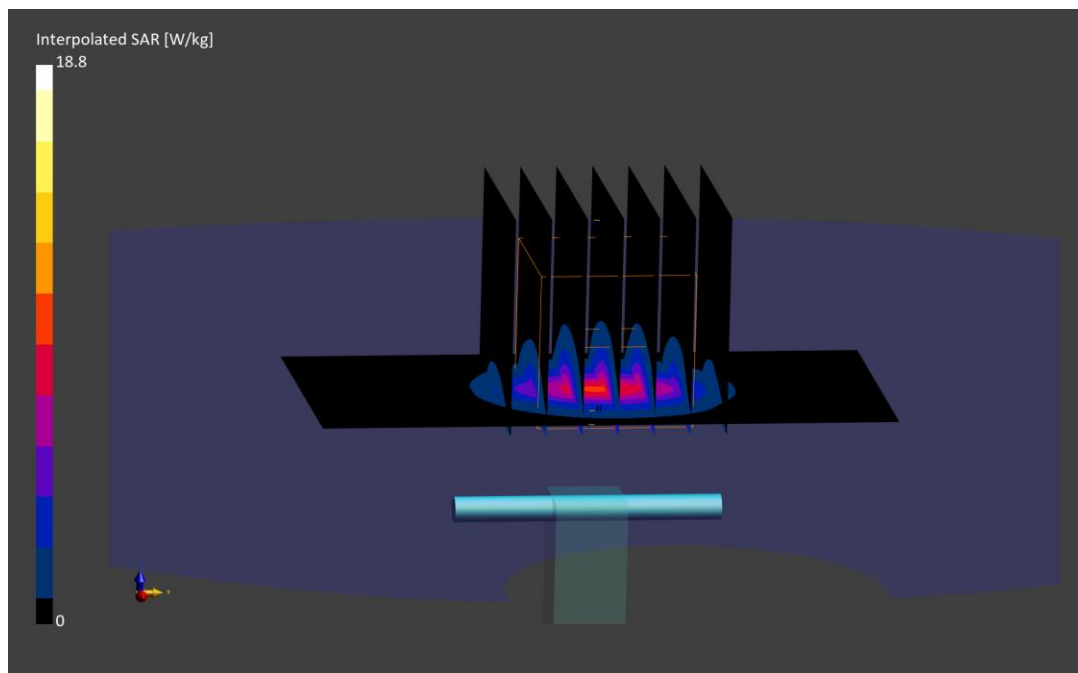
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 18.8 W/kg

**SAR(1 g) = 6.90 W/kg; SAR(10 g) = 2.57 W/kg**

Deviation (1 g) = 2.99%; Deviation (10 g) = 2.80%;





# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 3700.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3700.0 MHz; cond = 3.13 S/m; perm = 36.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/27/2023; Ambient Temp: 21.7°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7490; ConvF:(6.7,6.7,6.7); Calibrated: 2022-12-09  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1644; Calibrated: 2022-12-13  
Phantom: Twin-SAM V8.0; Serial: 2034  
Measurement SW: DASY Module SAR V16.2.0.1425

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

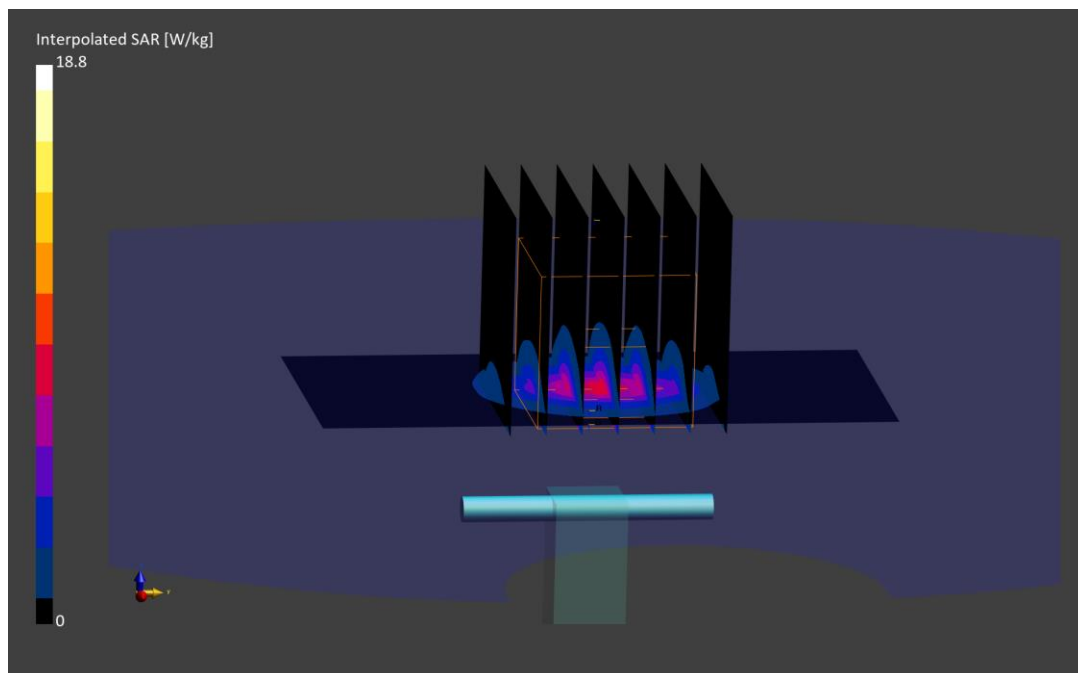
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 18.8 W/kg

**SAR(1 g) = 6.72 W/kg; SAR(10 g) = 2.47 W/kg**

Deviation (1 g) = -1.32%; Deviation (10 g) = 0.82%;



# ELEMENT

**DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1018**

Communication System: UID: 0, CW; Frequency: 3700.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3700.0 MHz; cond = 2.99 S/m; perm = 38.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/18/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7406; ConvF:(7.02,7.02,7.02); Calibrated: 2022-07-18  
Sensor-Surface: 1.4mm (All points)  
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 2064  
Measurement SW: DASY Module SAR V16.2.0.1425

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

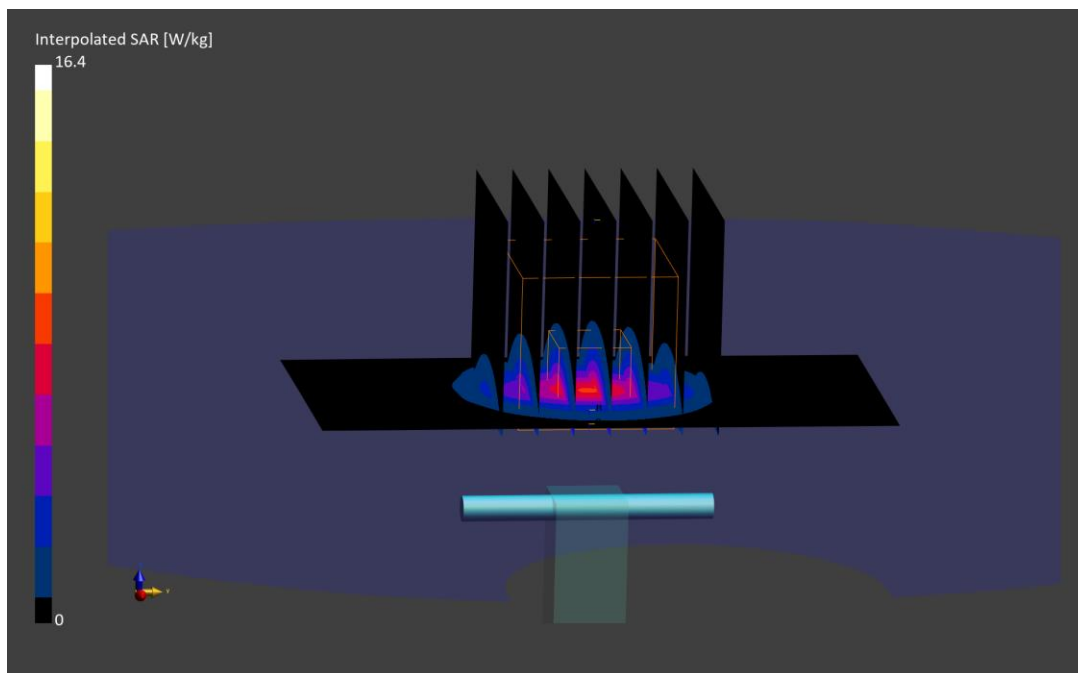
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 16.4 W/kg

**SAR(1 g) = 6.13 W/kg; SAR(10 g) = 2.33 W/kg**

Deviation (1 g) = -8.51%; Deviation (10 g) = -3.72%



# ELEMENT

**DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1002**

Communication System: UID: 0, CW; Frequency: 3700.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3700.0 MHz; cond = 3.09 S/m; perm = 36.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/24/2023; Ambient Temp: 21.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3837; ConvF:(6.7,6.7,6.7); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

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

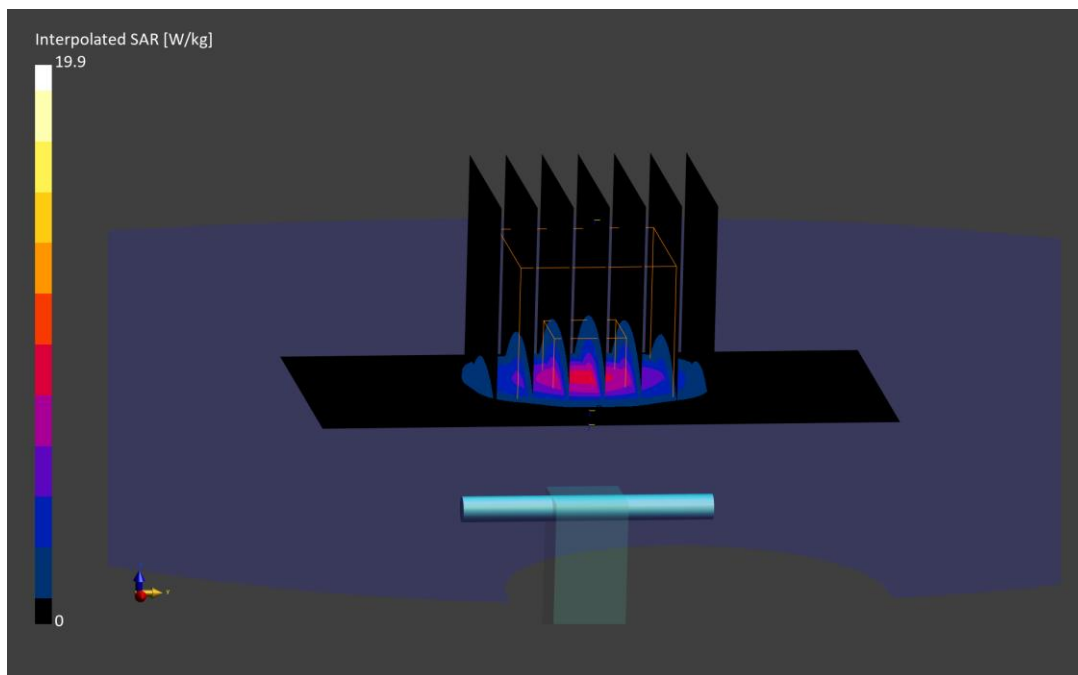
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 19.9 W/kg

**SAR(1 g) = 7.12 W/kg; SAR(10 g) = 2.57 W/kg**

Deviation (1 g) = 4.86%; Deviation (10 g) = 4.05%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 3700.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3700.0 MHz; cond = 3.03 S/m; perm = 38.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/05/2023; Ambient Temp: 20.1 °C; Tissue Temp: 22.0 °C

Probe: EX3DV4 - SN7638; ConvF:(6.99,6.99,6.99); Calibrated: 2023-03-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1408; Calibrated: 2023-03-13  
Phantom: Twin-SAM V8.0; Serial: 1357  
Measurement SW: DASY Module SAR V16.2.0.1425

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

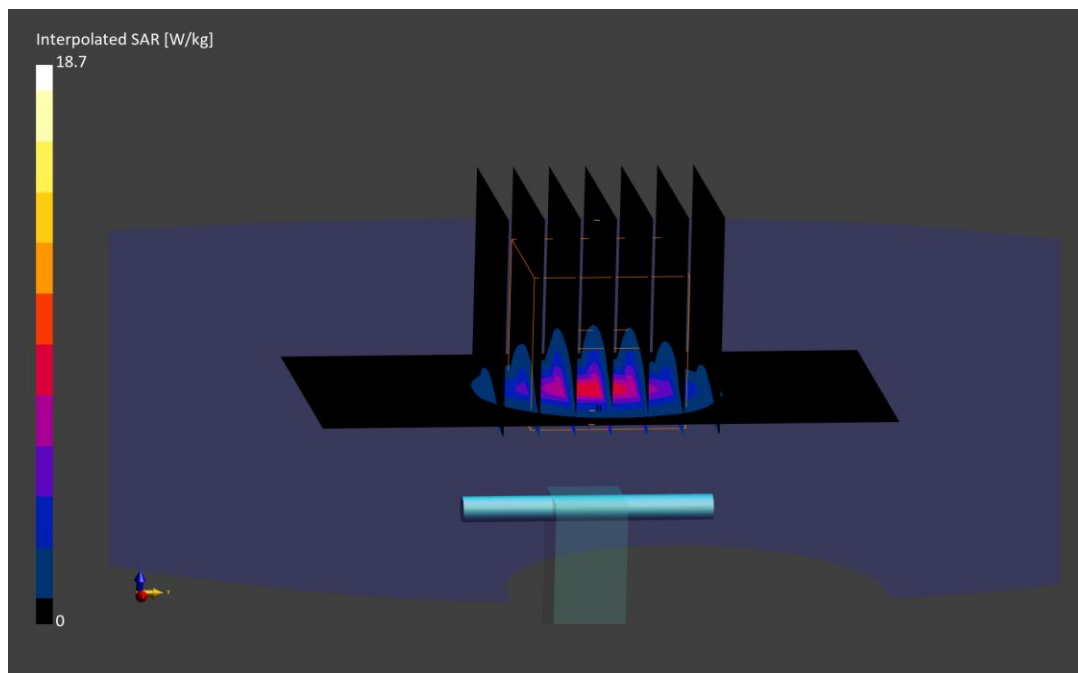
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 18.7 W/kg

**SAR(1 g) = 6.62 W/kg; SAR(10 g) = 2.40 W/kg**

Deviation (1 g) = -2.79%; Deviation (10 g) = -2.04%;



# ELEMENT

**DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1062**

Communication System: UID: 0, CW; Frequency: 3900.0 MHz  
Medium: 3600 Head; Medium parameters used:  
f = 3900.0 MHz; cond = 3.26 S/m; perm = 36.5; density = 1000 kg/m3  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/24/2023; Ambient Temp: 21.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3837; ConvF:(6.44,6.44,6.44); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

## 3900 MHz System Verification at 20 dBm (100 mW)

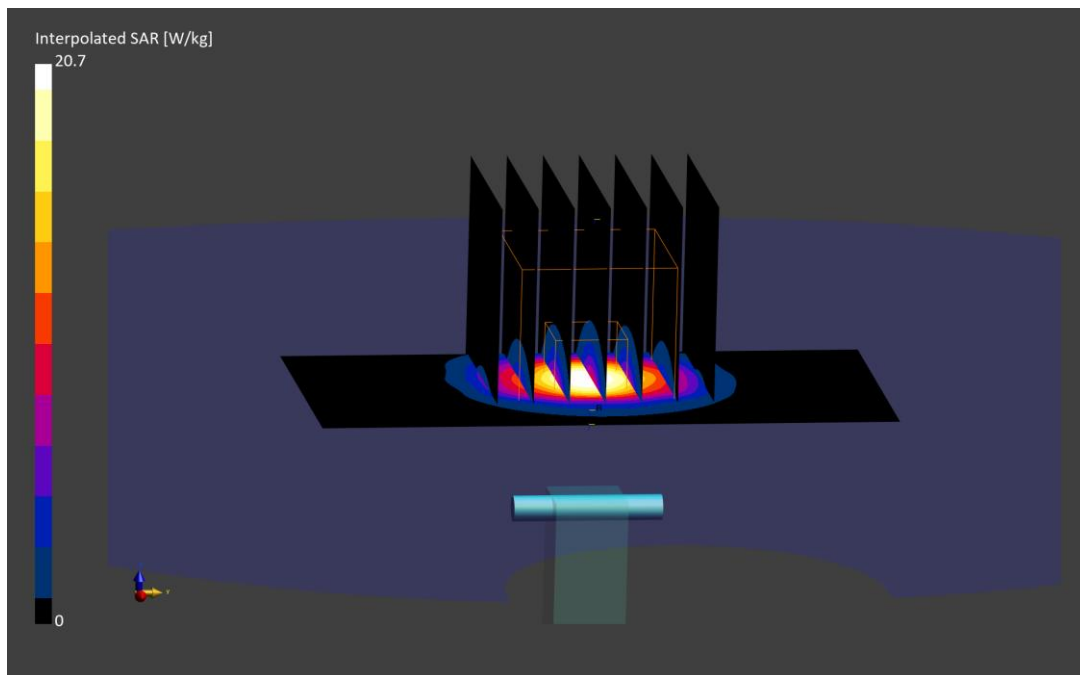
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 20.7 W/kg

**SAR(1 g) = 7.03 W/kg; SAR(10 g) = 2.44 W/kg**

Deviation (1 g) = 2.48%; Deviation (10 g) = 2.52%;



# ELEMENT

**DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1057**

Communication System: UID: 0, CW; Frequency: 5250.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5250.0 MHz; cond = 4.64 S/m; perm = 36.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/30/2023; Ambient Temp: 23.3°C; Tissue Temp: 23.2°C

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

## 5250 MHz System Verification at 17 dBm (50 mW)

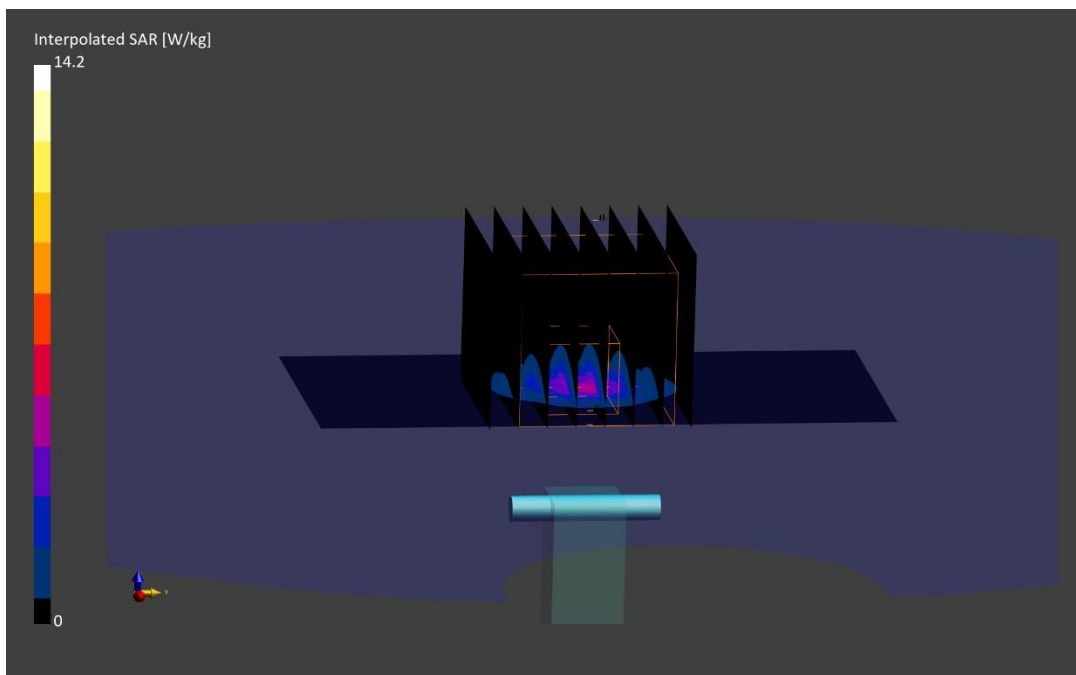
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 14.2 W/kg

**SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.08 W/kg**

Deviation (1 g) = -8.13%; Deviation (10 g) = -6.90%;



# ELEMENT

**DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1057**

Communication System: UID: 0, CW; Frequency: 5600.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5600.0 MHz; cond = 5.05 S/m; perm = 35.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/30/2023; Ambient Temp: 23.3°C; Tissue Temp: 23.2°C

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

## 5600 MHz System Verification at 17 dBm (50 mW)

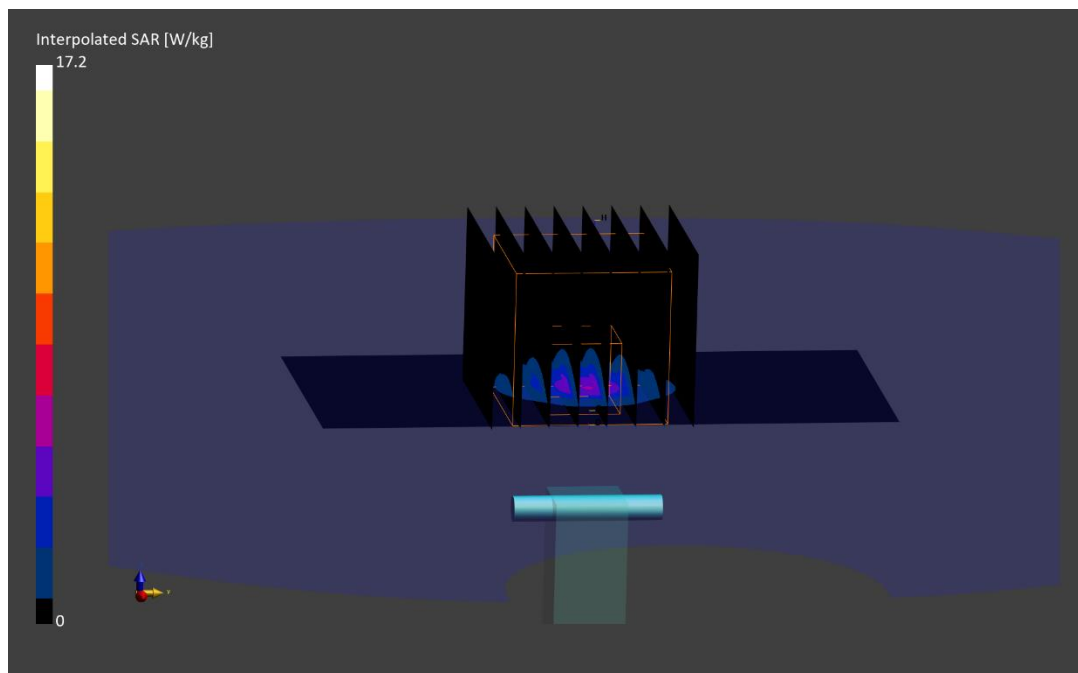
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 17.2 W/kg

**SAR(1 g) = 4.23 W/kg; SAR(10 g) = 1.21 W/kg**

Deviation (1 g) = 0.48%; Deviation (10 g) = 1.26%;



# ELEMENT

**DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1057**

Communication System: UID: 0, CW; Frequency: 5750.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5750.0 MHz; cond = 5.22 S/m; perm = 35.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/30/2023; Ambient Temp: 23.3°C; Tissue Temp: 23.2°C

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

## 5750 MHz System Verification at 17 dBm (50 mW)

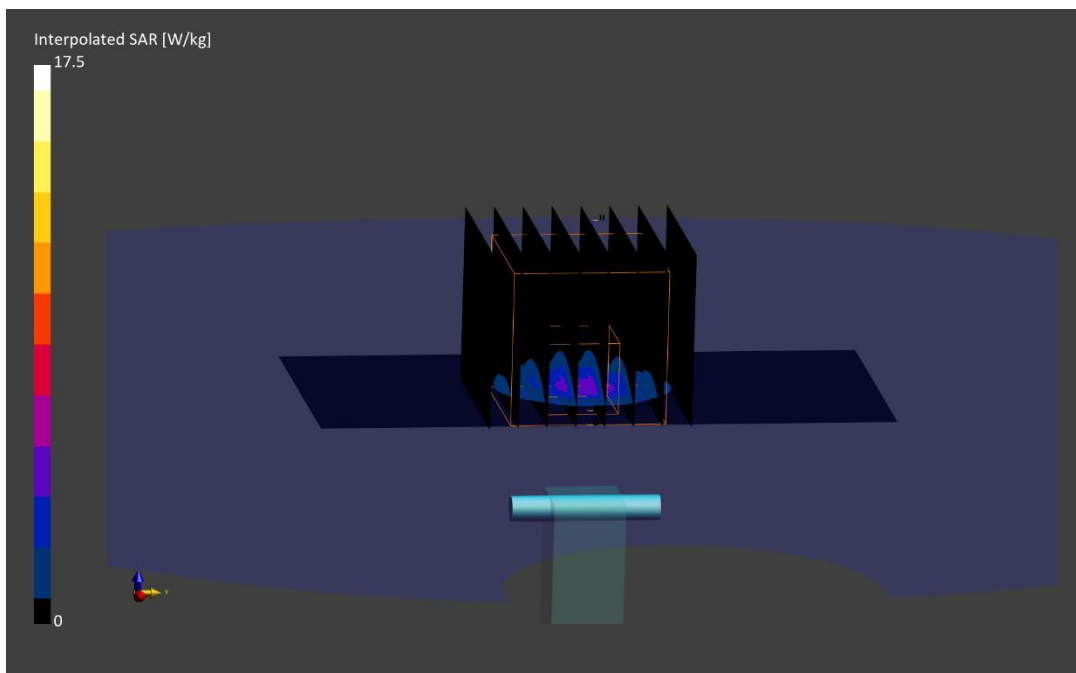
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 17.5 W/kg

**SAR(1 g) = 4.16 W/kg; SAR(10 g) = 1.19 W/kg**

Deviation (1 g) = 2.97%; Deviation (10 g) = 3.93%;





# ELEMENT

**DUT: Dipole 5800.0 MHz; Type: D5GHzV2 - SN1057**

Communication System: UID: 0, CW; Frequency: 5800.0 MHz  
Medium: 6000 Head; Medium parameters used:  
f = 5800.0 MHz; cond = 5.30 S/m; perm = 35.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/30/2023; Ambient Temp: 23.3°C; Tissue Temp: 23.2°C

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

## 5800 MHz System Verification at 17 dBm (50 mW)

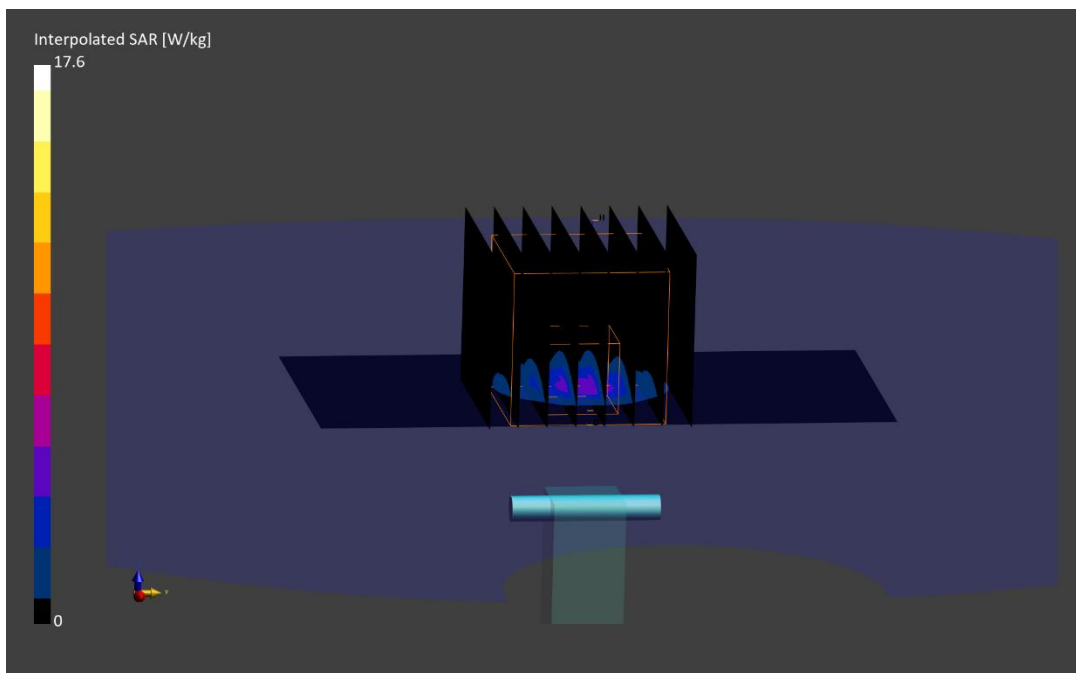
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 17.6 W/kg

**SAR(1 g) = 4.17 W/kg; SAR(10 g) = 1.20 W/kg**

Deviation (1 g) = 1.58%; Deviation (10 g) = 4.35%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 750.0 MHz  
Medium: 750 Body; Medium parameters used:  
f = 750.0 MHz; cond = 0.965 S/m; perm = 53.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 03/16/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7547; ConvF:(9.87,9.87,9.87); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 750 MHz System Verification at 23 dBm (200 mW)

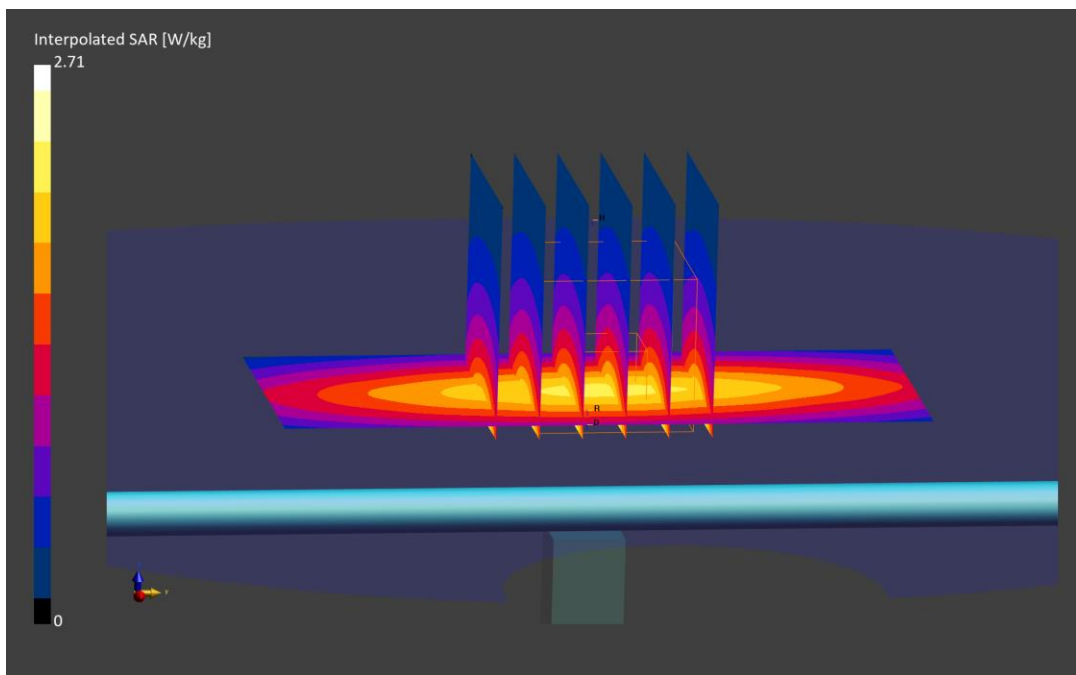
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 2.71 W/kg

**SAR(1 g) = 1.82 W/kg; SAR(10 g) = 1.21 W/kg**

Deviation (1 g) = 4.60%; Deviation (10 g) = 5.22%;



# ELEMENT

**DUT: Dipole 750.0 MHz; Type: D750V3 - SN1054**

Communication System: UID: 0, CW; Frequency: 750.0 MHz  
Medium: 750 Body; Medium parameters used:  
f = 750.0 MHz; cond = 0.948 S/m; perm = 55.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 03/21/2023; Ambient Temp: 20.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7409; ConvF:(9.86,9.86,9.86); Calibrated: 2022-06-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14  
Phantom: Twin-SAM V5.0; Serial: 1792  
Measurement SW: DASY Module SAR V16.2.0.1425

## 750 MHz System Verification at 23 dBm (200 mW)

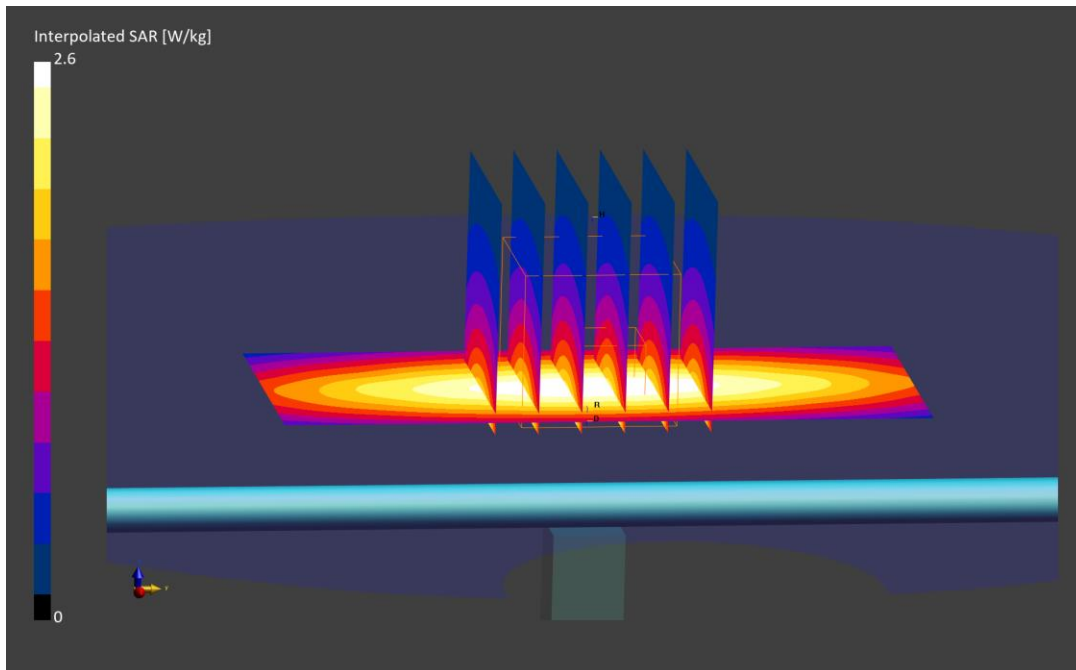
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 2.60 W/kg

**SAR(1 g) = 1.76 W/kg; SAR(10 g) = 1.18 W/kg**

Deviation (1 g) = 1.97%; Deviation (10 g) = 3.15%;



# ELEMENT

**DUT: Dipole 750.0 MHz; Type: D750V3 - SN1161**

Communication System: UID: 0, CW; Frequency: 750.0 MHz  
Medium: 750 Body; Medium parameters used:  
f = 750.0 MHz; cond = 0.958 S/m; perm = 53.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 03/27/2023; Ambient Temp: 21.8°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7659; ConvF:(10.86,10.86,10.86); Calibrated: 2022-04-20  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13  
Phantom: Twin-SAM V5.0; Serial: 1873  
Measurement SW: DASY Module SAR V16.2.0.1425

## 750 MHz System Verification at 23 dBm (200 mW)

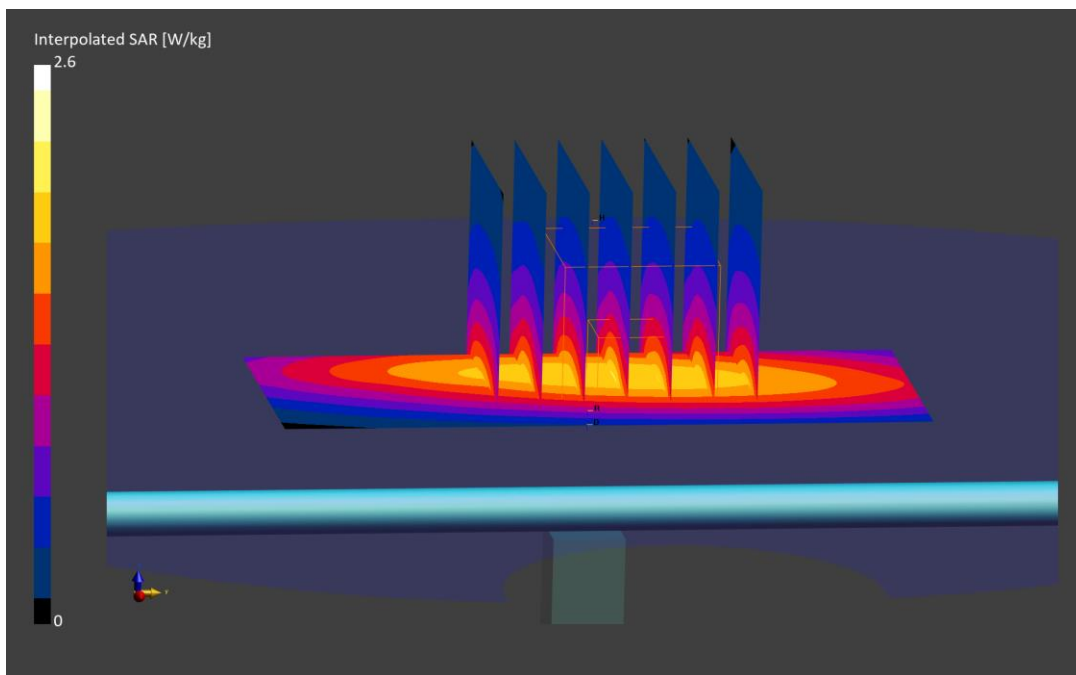
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 2.60 W/kg

**SAR(1 g) = 1.72 W/kg; SAR(10 g) = 1.14 W/kg**

Deviation (1 g) = -2.16%; Deviation (10 g) = -2.40%;



# ELEMENT

**DUT: D750V3 - SN1003; Type: D750V3; Serial: SN1003**

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: 750 Body Medium parameters used:

$f = 750 \text{ MHz}$ ;  $\sigma = 0.959 \text{ S/m}$ ;  $\epsilon_r = 53.289$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 15 mm

Test Date: 03/30/2023; Ambient Temp: 20.8°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7491; ConvF(10.74, 10.74, 10.74) @ 750 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

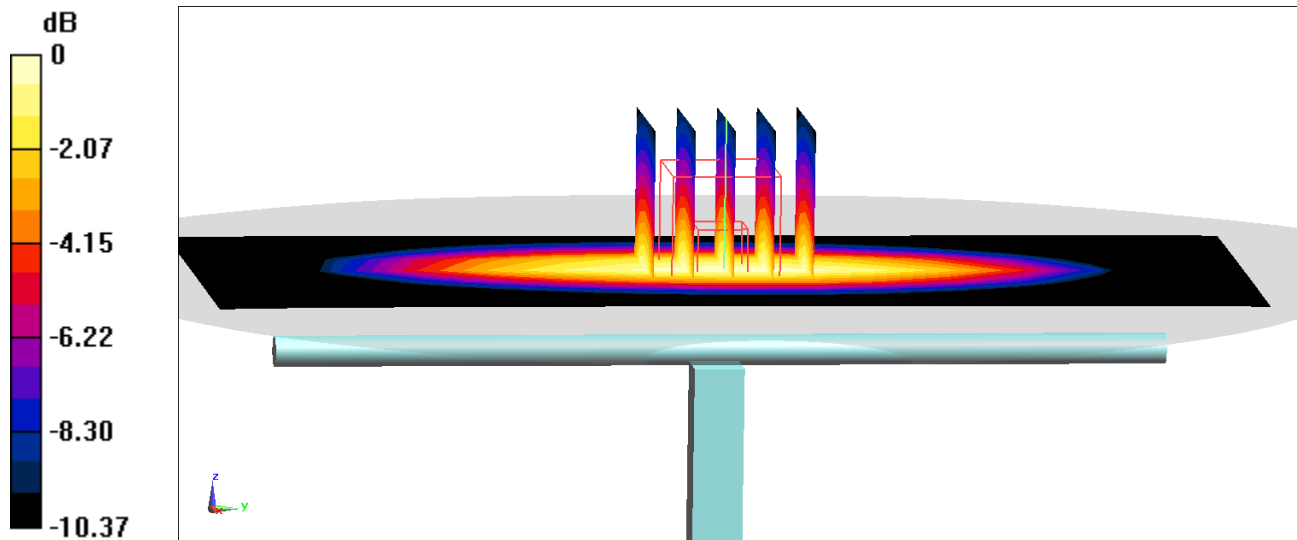
**Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.45 W/kg

**SAR(1 g) = 1.62 W/kg; SAR(10 g) = 1.08 W/kg**

Deviation(1 g) = -7.95%; Deviation(10 g) = -7.53%



0 dB = 2.18 W/kg = 3.38 dBW/kg

# ELEMENT

**DUT: D750V3 - SN1003; Type: D750V3; Serial: SN1003**

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: 750 Body Medium parameters used:

$f = 750 \text{ MHz}$ ;  $\sigma = 0.98 \text{ S/m}$ ;  $\epsilon_r = 52.973$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/05/2023; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7491; ConvF(10.74, 10.74, 10.74) @ 750 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

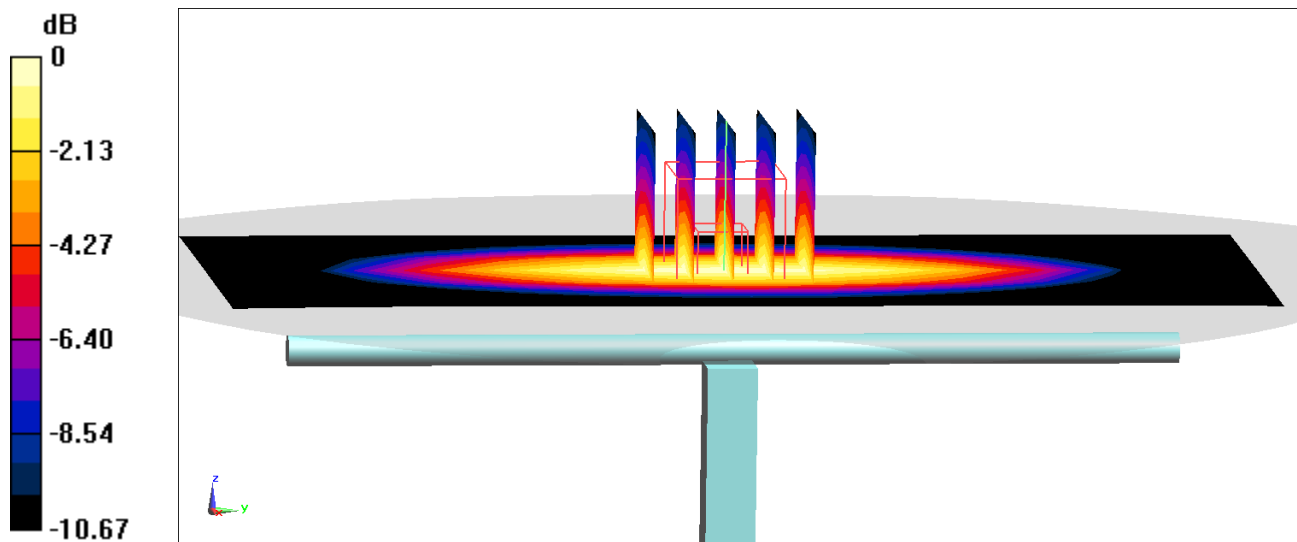
**Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.72 W/kg

**SAR(1 g) = 1.73 W/kg; SAR(10 g) = 1.13 W/kg**

Deviation(1 g) = -1.70%; Deviation(10 g) = -3.25%



0 dB = 2.37 W/kg = 3.75 dBW/kg

# ELEMENT

**DUT: D750V3 - SN1003; Type: D750V3; Serial: SN1003**

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: 750 Body Medium parameters used:

$f = 750 \text{ MHz}$ ;  $\sigma = 0.982 \text{ S/m}$ ;  $\epsilon_r = 53.337$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/10/2023; Ambient Temp: 21.8°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7491; ConvF(10.74, 10.74, 10.74) @ 750 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

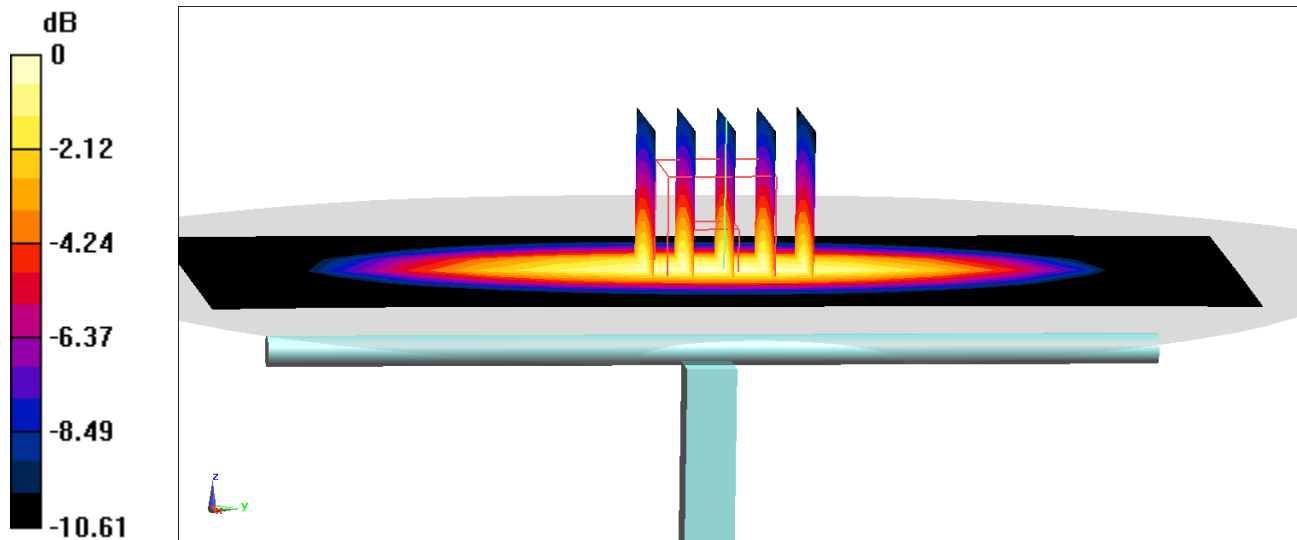
**Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.66 W/kg

**SAR(1 g) = 1.75 W/kg; SAR(10 g) = 1.15 W/kg**

Deviation(1 g) = -0.57%; Deviation(10 g) = -1.54%



# ELEMENT

**DUT: D750V3 - SN1003; Type: D750V3; Serial: SN1003**

Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1

Medium: 750 Body Medium parameters used:

$f = 750 \text{ MHz}$ ;  $\sigma = 0.986 \text{ S/m}$ ;  $\epsilon_r = 53.079$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/12/2023; Ambient Temp: 21.6°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7491; ConvF(10.74, 10.74, 10.74) @ 750 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

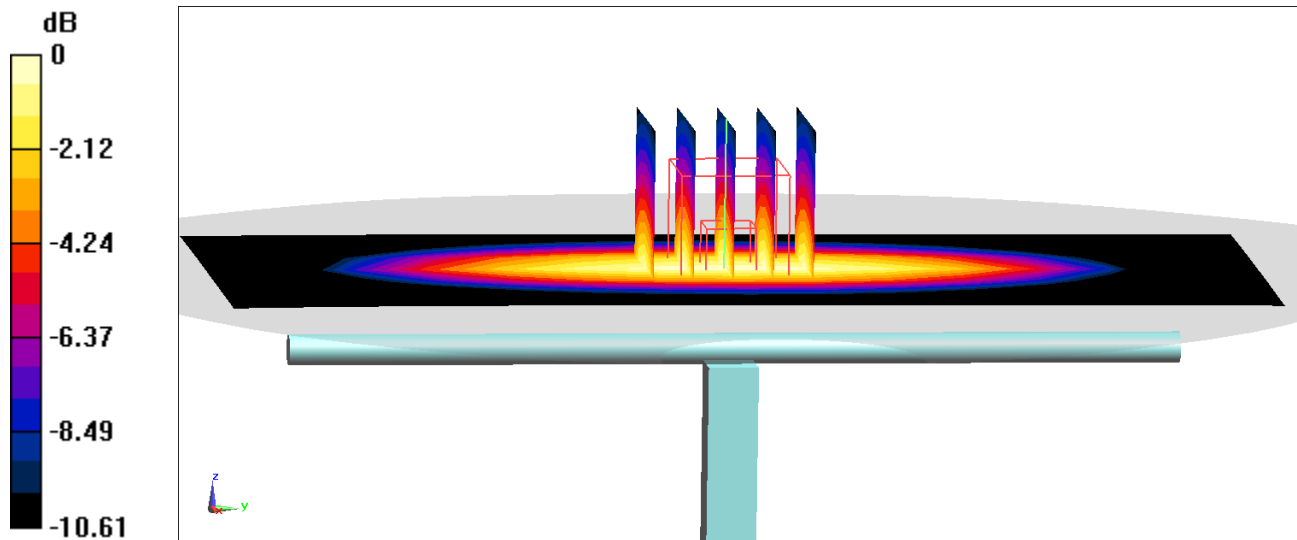
**Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.60 W/kg

**SAR(1 g) = 1.72 W/kg; SAR(10 g) = 1.13 W/kg**

Deviation(1 g) = -2.27%; Deviation(10 g) = -3.25%



0 dB = 2.30 W/kg = 3.62 dBW/kg



# ELEMENT

**DUT: Dipole 750.0 MHz; Type: D750V3 - SN1054**

Communication System: UID: 0, CW; Frequency: 750.0 MHz  
Medium: 750 Body; Medium parameters used:  
f = 750.0 MHz; cond = 0.981 S/m; perm = 53.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 05/23/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7570; ConvF:(10.26,10.26,10.26); Calibrated: 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 2060  
Measurement SW: DASY Module SAR V16.2.0.1425

## 750 MHz System Verification at 23 dBm (200 mW)

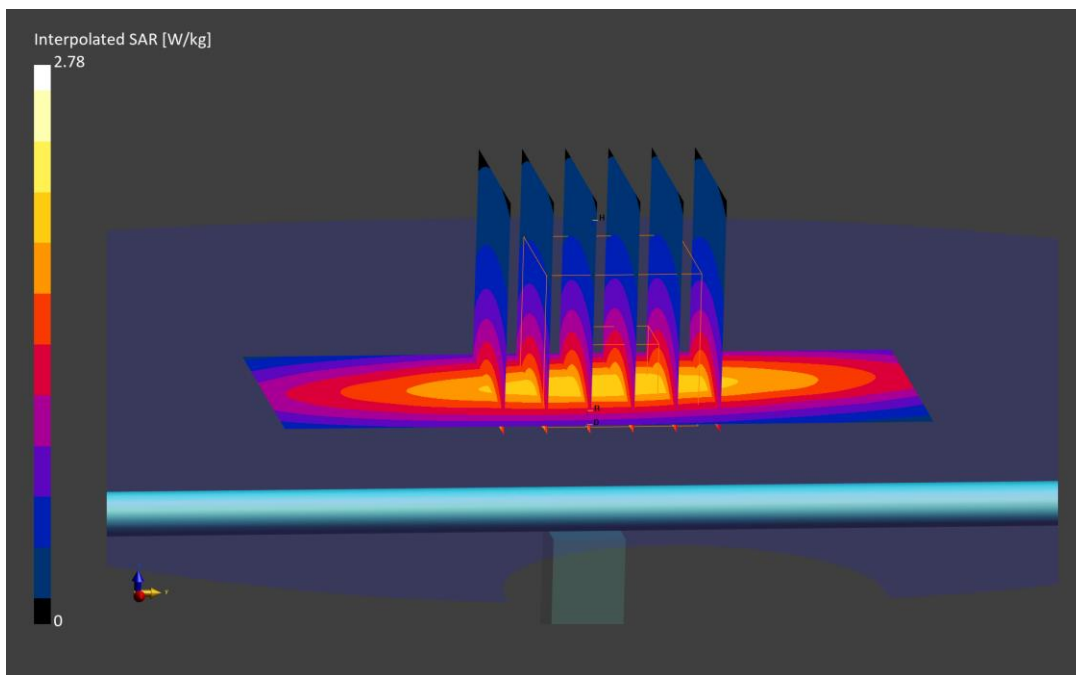
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 2.78 W/kg

**SAR(1 g) = 1.76 W/kg; SAR(10 g) = 1.15 W/kg**

Deviation (1 g) = 1.97%; Deviation (10 g) = 0.52%;



# ELEMENT

**DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d132**

Communication System: UID: 0, CW; Frequency: 835.0 MHz  
Medium: 835 Body; Medium parameters used:  
f = 835.0 MHz; cond = 0.942 S/m; perm = 54.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 03/14/2023; Ambient Temp: 22.9°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7406; ConvF:(9.48,9.48,9.48); Calibrated: 2022-07-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 2064  
Measurement SW: DASY Module SAR V16.2.0.1425

## 835 MHz System Verification at 23 dBm (200 mW)

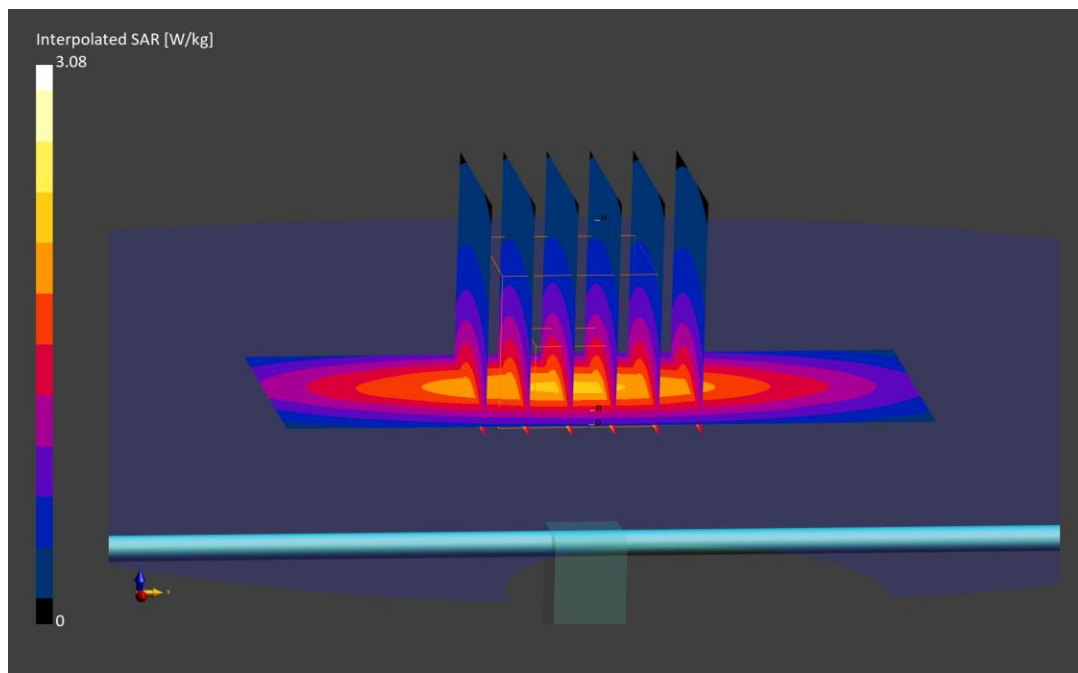
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 1.86 W/kg; SAR(10 g) = 1.22 W/kg**

Deviation (1 g) = -5.20%; Deviation (10 g) = -5.28%



# ELEMENT

**DUT: D835V2 - SN4d180; Type: D835V2; Serial: SN4d180**

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1  
Medium: 835 Body Medium parameters used:  $f = 835$  MHz;  $\sigma = 1.003$  S/m;  $\epsilon_r = 53.105$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section; Space: 15 mm

Test Date: 03/21/2023; Ambient Temp: 21.2°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 835 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

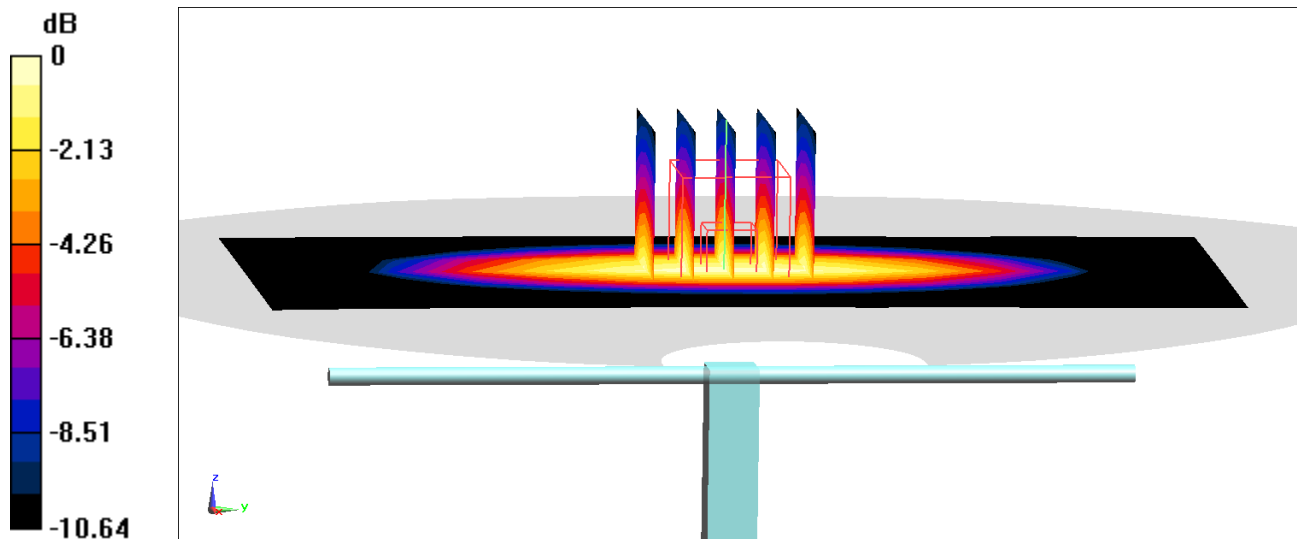
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 3.14 W/kg

**SAR(1 g) = 2.07 W/kg; SAR(10 g) = 1.35 W/kg**

Deviation(1 g) = 6.59%; Deviation(10 g) = 5.63%



0 dB = 2.77 W/kg = 4.42 dBW/kg

# ELEMENT

**DUT: D835V2 - SN4d180; Type: D835V2; Serial: SN4d180**

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$ ;  $\sigma = 1.006 \text{ S/m}$ ;  $\epsilon_r = 52.955$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 15 mm

Test Date: 03/23/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 835 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

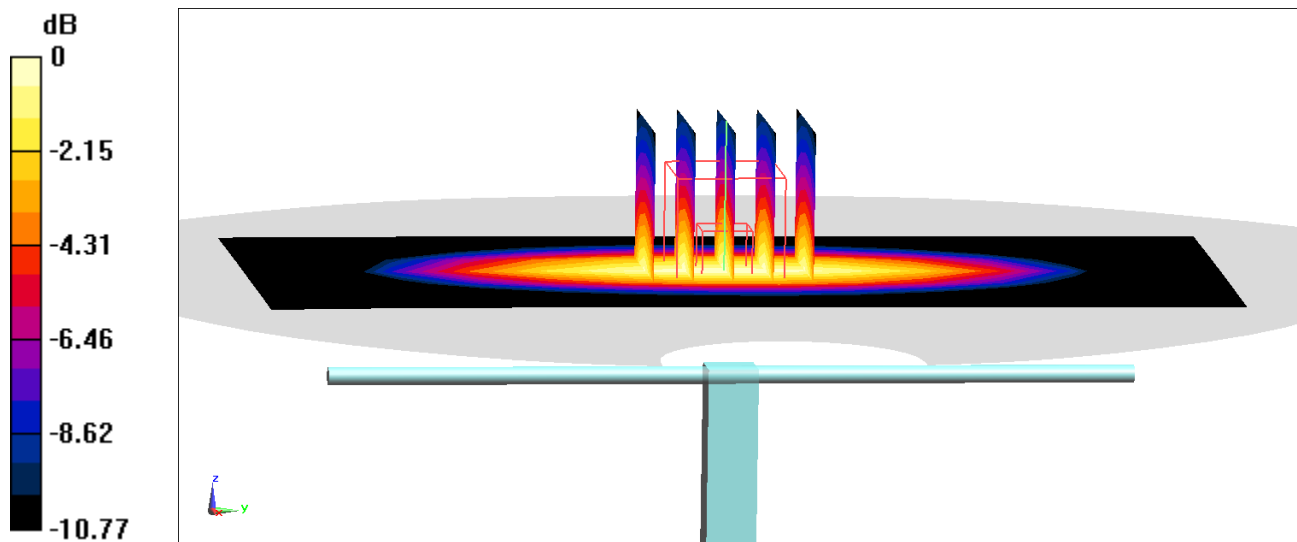
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 3.17 W/kg

**SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.36 W/kg**

Deviation(1 g) = 7.11%; Deviation(10 g) = 6.42%



0 dB = 2.80 W/kg = 4.47 dBW/kg

# ELEMENT

**DUT: D835V2 - SN4d119; Type: D835V2; Serial: SN4d119**

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$ ;  $\sigma = 0.963 \text{ S/m}$ ;  $\epsilon_r = 54.899$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 03/23/2023; Ambient Temp: 22.4°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7402; ConvF(10.51, 10.51, 10.51) @ 835 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1502; Calibrated: 5/16/2022

Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

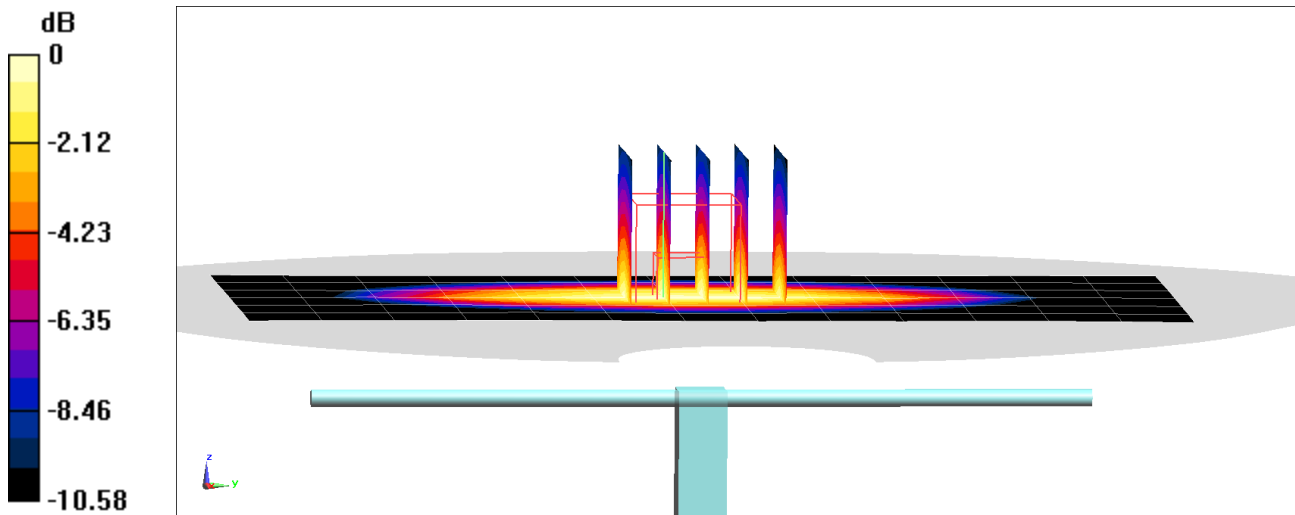
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.91 W/kg

**SAR(1 g) = 1.93 W/kg; SAR(10 g) = 1.28 W/kg**

Deviation(1 g) = -2.62%; Deviation(10 g) = -2.88%



0 dB = 2.56 W/kg = 4.08 dBW/kg

# ELEMENT

**DUT: D835V2 - SN4d180; Type: D835V2; Serial: SN4d180**

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$ ;  $\sigma = 1.004 \text{ S/m}$ ;  $\epsilon_r = 53.414$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 15 mm

Test Date: 03/27/2023; Ambient Temp: 21.0°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 835 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

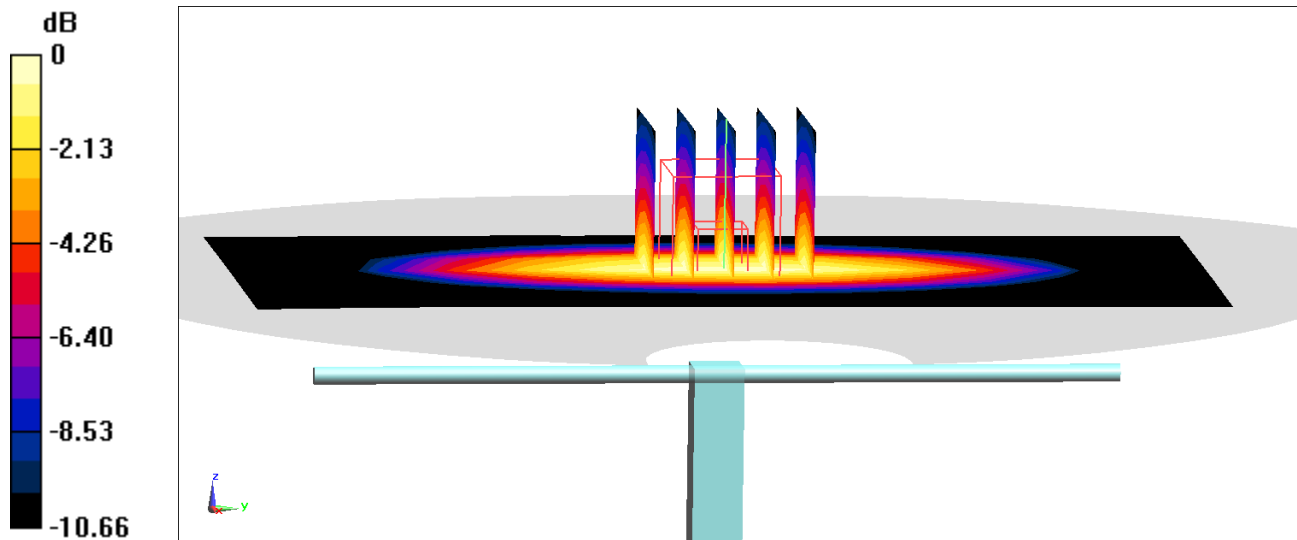
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 3.12 W/kg

**SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.34 W/kg**

Deviation(1 g) = 5.56%; Deviation(10 g) = 4.85%



0 dB = 2.76 W/kg = 4.41 dBW/kg

# ELEMENT

**DUT: D835V2 - SN4d180; Type: D835V2; Serial: SN4d180**

Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$ ;  $\sigma = 0.959 \text{ S/m}$ ;  $\epsilon_r = 52.63$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/19/2023; Ambient Temp: 21.7°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7491; ConvF(10.44, 10.44, 10.44) @ 835 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1532; Calibrated: 6/14/2022

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1626

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

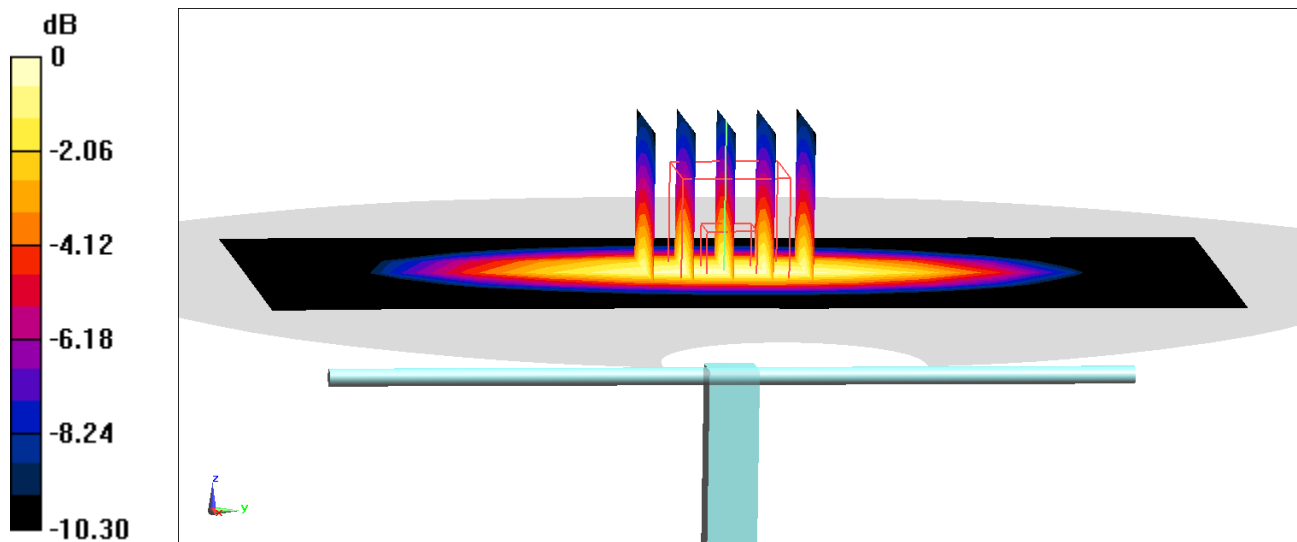
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Peak SAR (extrapolated) = 2.98 W/kg

**SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.32 W/kg**

Deviation(1 g) = 2.47%; Deviation(10 g) = 3.29%



0 dB = 2.64 W/kg = 4.22 dBW/kg

# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Body; Medium parameters used:  
f = 1750.0 MHz; cond = 1.46 S/m; perm = 53.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/21/2023; Ambient Temp: 20.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7409; ConvF:(8.01,8.01,8.01); Calibrated: 2022-06-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14  
Phantom: Twin-SAM V5.0; Serial: 1792  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750 MHz System Verification at 20 dBm (100 mW)

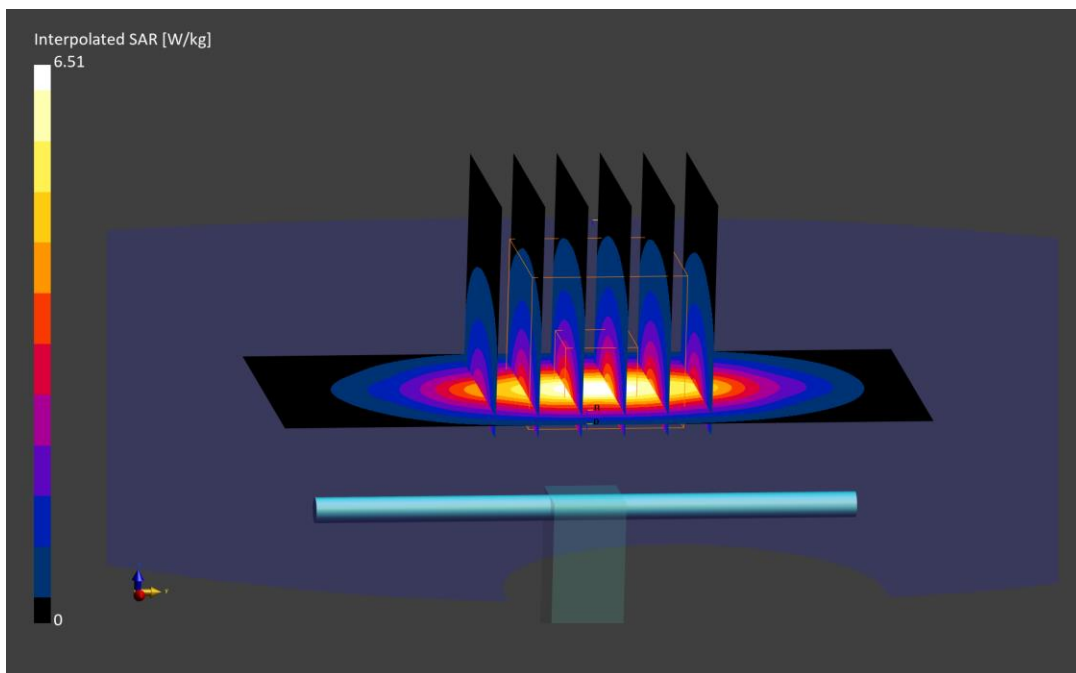
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 6.51 W/kg

**SAR(1 g) = 3.64 W/kg; SAR(10 g) = 1.95 W/kg**

Deviation (1 g) = -3.70%; Deviation (10 g) = -2.01%;





# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Body; Medium parameters used:  
f = 1750.0 MHz; cond = 1.50 S/m; perm = 51.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/22/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7547; ConvF:(7.87,7.87,7.87); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750 MHz System Verification at 20 dBm (100 mW)

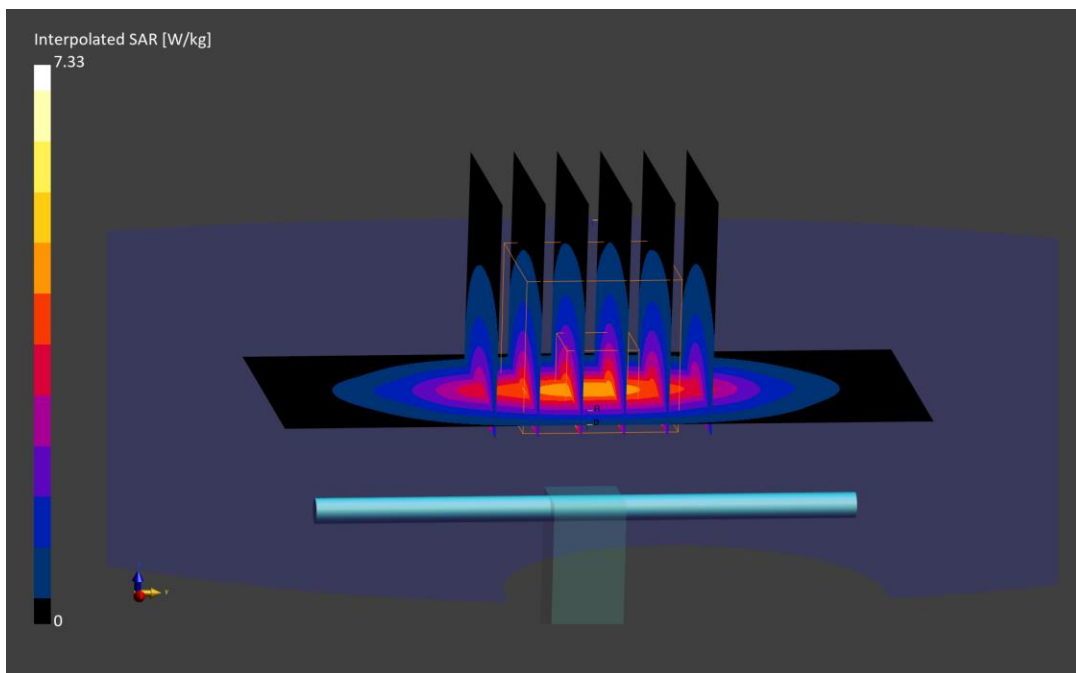
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 3.93 W/kg; SAR(10 g) = 2.09 W/kg**

Deviation (1 g) = 4.80%; Deviation (10 g) = 5.03%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Body; Medium parameters used:  
f = 1750.0 MHz; cond = 1.46 S/m; perm = 52.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/27/2023; Ambient Temp: 20.8°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7409; ConvF:(8.01,8.01,8.01); Calibrated: 2022-06-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14  
Phantom: Twin-SAM V5.0; Serial: 1792  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750 MHz System Verification at 20 dBm (100 mW)

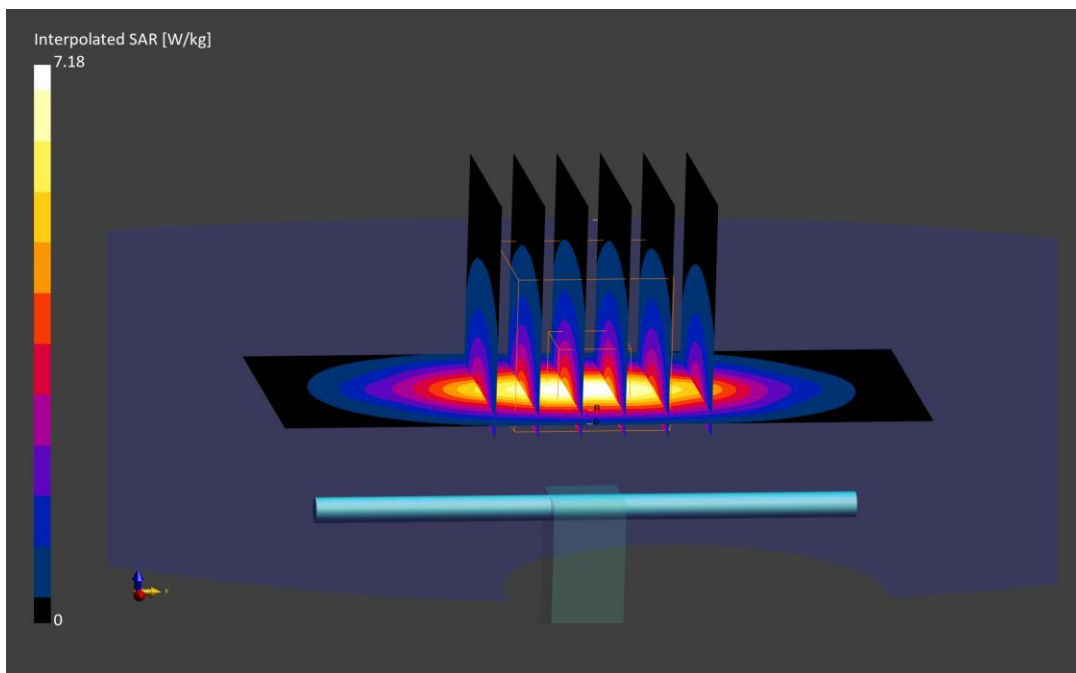
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.19 W/kg

**SAR(1 g) = 4.00 W/kg; SAR(10 g) = 2.14 W/kg**

Deviation (1 g) = 5.82%; Deviation (10 g) = 7.00%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Body; Medium parameters used:  
f = 1750.0 MHz; cond = 1.50 S/m; perm = 51.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/30/2023; Ambient Temp: 21.8°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7547; ConvF:(7.87,7.87,7.87); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750 MHz System Verification at 20 dBm (100 mW)

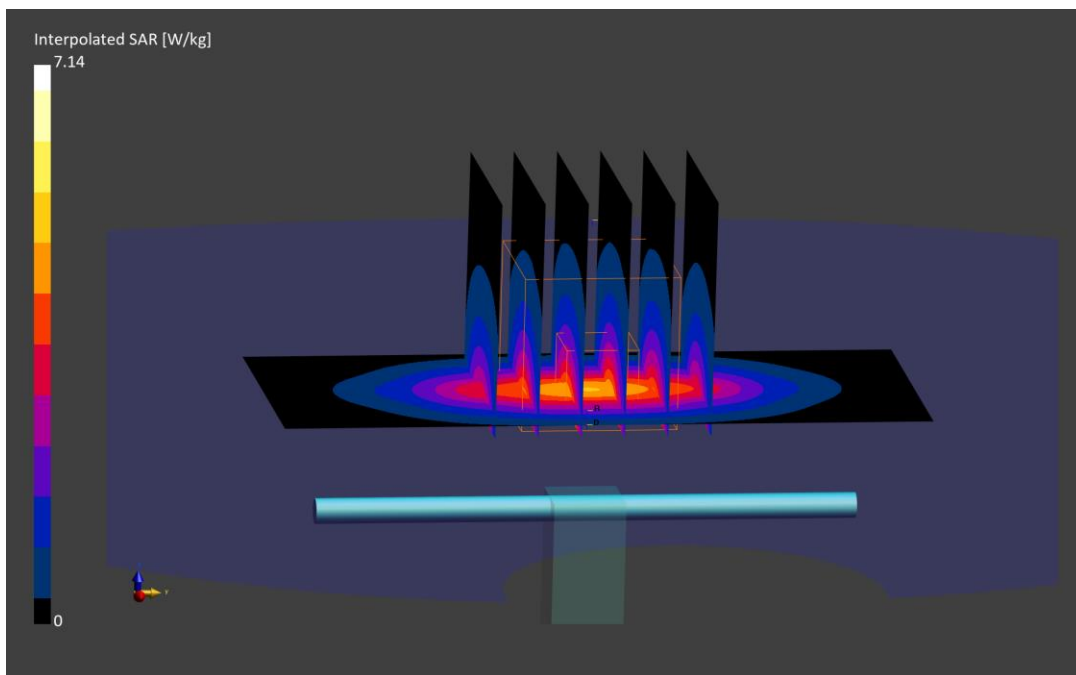
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.14 W/kg

**SAR(1 g) = 3.86 W/kg; SAR(10 g) = 2.05 W/kg**

Deviation (1 g) = 2.93%; Deviation (10 g) = 3.02%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Body; Medium parameters used:  
f = 1750.0 MHz; cond = 1.49 S/m; perm = 51.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/18/2023; Ambient Temp: 22.3°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7547; ConvF:(7.87,7.87,7.87); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750 MHz System Verification at 20 dBm (100 mW)

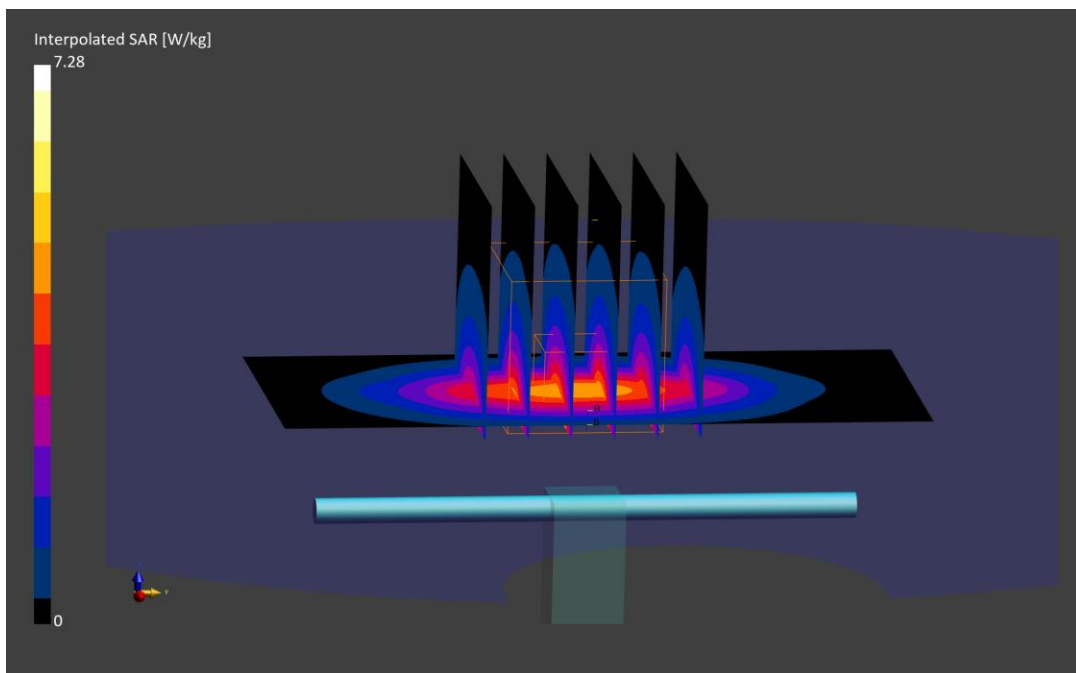
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.28 W/kg

**SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.09 W/kg**

Deviation (1 g) = 4.79%; Deviation (10 g) = 3.98%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Body; Medium parameters used:  
f = 1750.0 MHz; cond = 1.49 S/m; perm = 51.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/11/2023; Ambient Temp: 22.2°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7409; ConvF:(8.01,8.01,8.01); Calibrated: 2022-06-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14  
Phantom: Twin-SAM V5.0; Serial: 1792  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750 MHz System Verification at 20 dBm (100 mW)

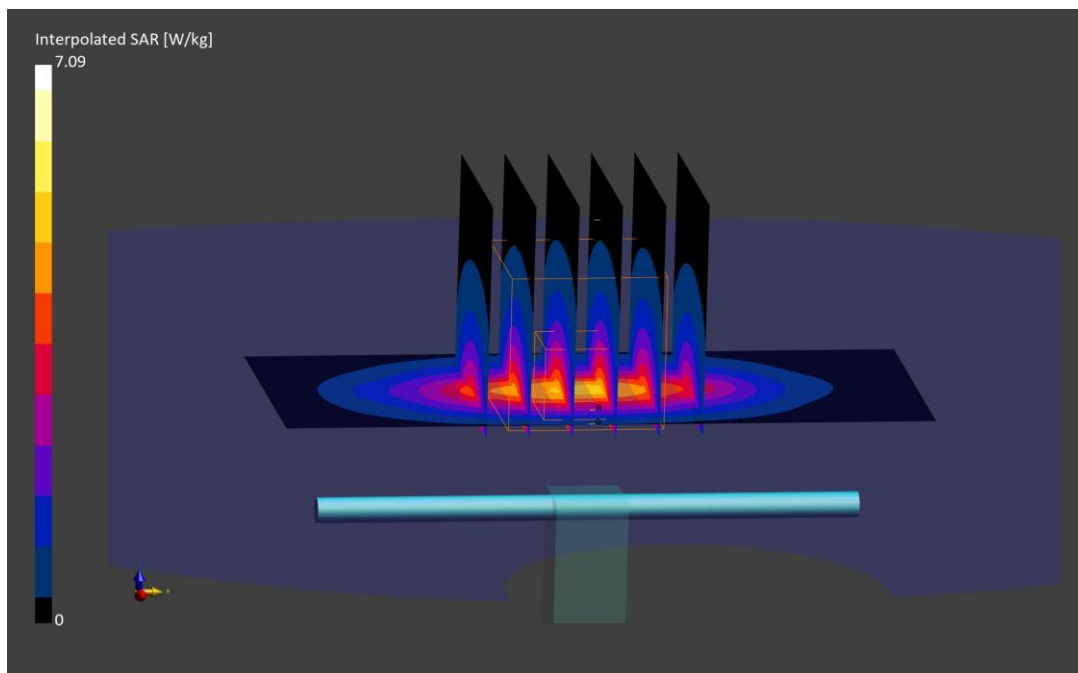
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.09 W/kg

**SAR(1 g) = 3.92 W/kg; SAR(10 g) = 2.10 W/kg**

Deviation (1 g) = 3.70%; Deviation (10 g) = 5.00%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Body; Medium parameters used:  
f = 1750.0 MHz; cond = 1.48 S/m; perm = 51.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/18/2023; Ambient Temp: 22.3°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7409; ConvF:(8.01,8.01,8.01); Calibrated: 2022-06-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14  
Phantom: Twin-SAM V5.0; Serial: 1792  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1750 MHz System Verification at 20 dBm (100 mW)

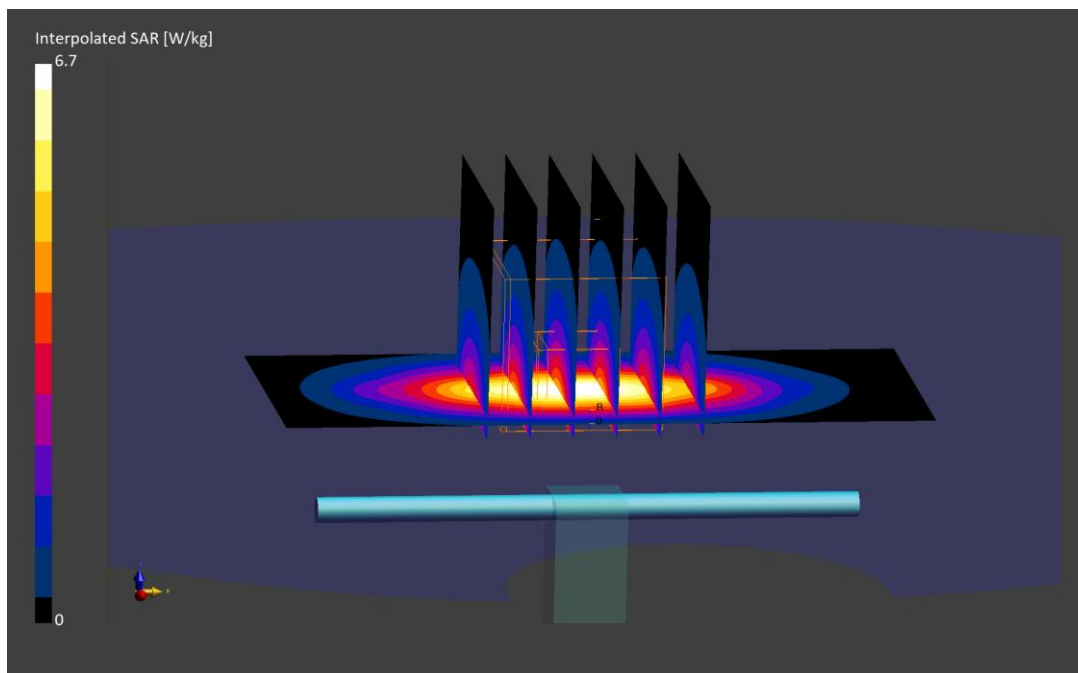
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 6.70 W/kg

**SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.99 W/kg**

Deviation (1 g) = -1.59%; Deviation (10 g) = -0.50%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Body; Medium parameters used:  
f = 1900.0 MHz; cond = 1.48 S/m; perm = 51.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/21/2023; Ambient Temp: 20.1°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7565; ConvF:(7.54,7.54,7.54); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900 MHz System Verification at 20 dBm (100 mW)

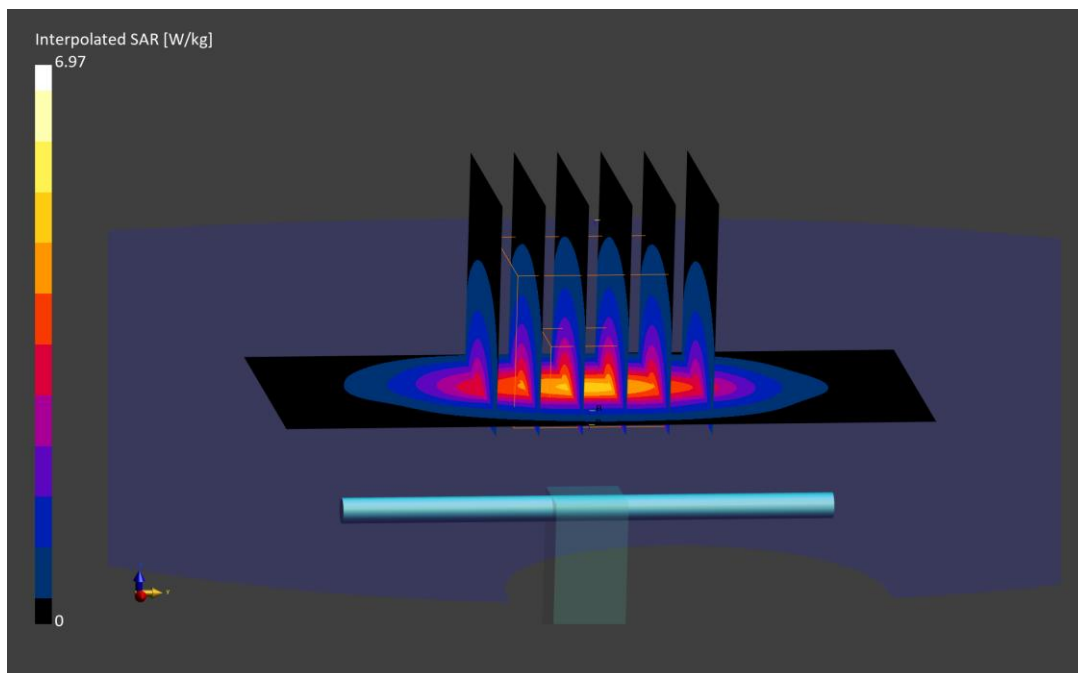
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 3.83 W/kg; SAR(10 g) = 2.02 W/kg**

Deviation (1 g) = -2.54%; Deviation (10 g) = -1.94%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Body; Medium parameters used:  
f = 1900.0 MHz; cond = 1.56 S/m; perm = 51.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/22/2023; Ambient Temp: 22.1°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7551; ConvF:(7.83,7.83,7.83); Calibrated: 2022-11-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1323; Calibrated: 2022-11-10  
Phantom: Twin-SAM V8.0; Serial: 2057  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900 MHz System Verification at 20 dBm (100 mW)

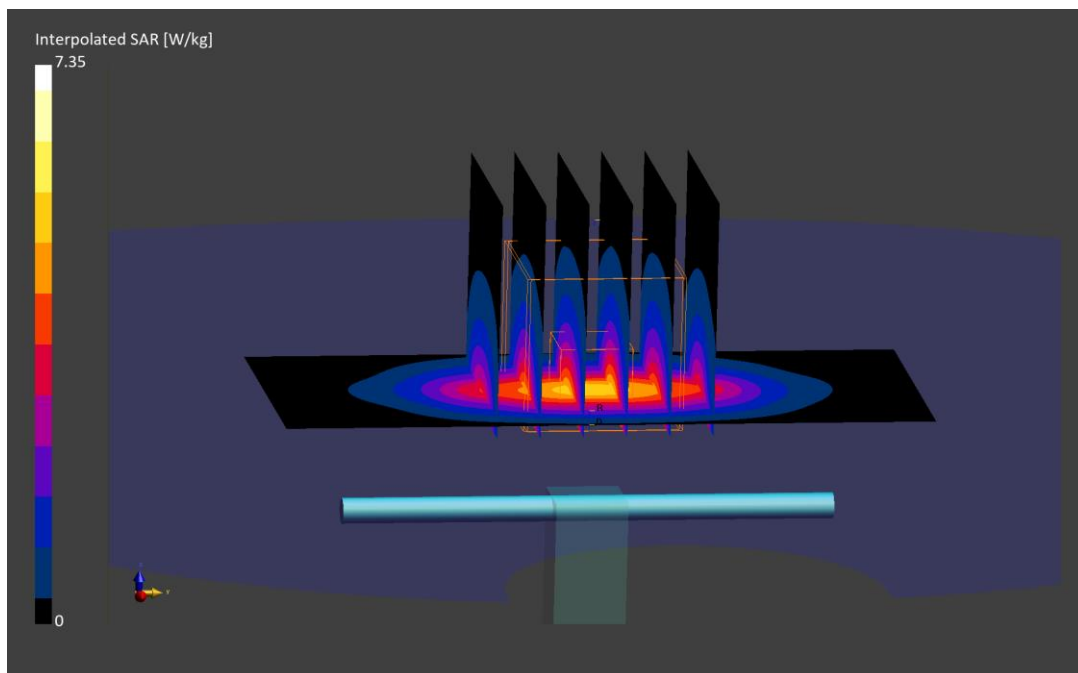
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.35 W/kg

**SAR(1 g) = 4.12 W/kg; SAR(10 g) = 2.14 W/kg**

Deviation (1 g) = 3.26%; Deviation (10 g) = 2.39%





# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Body; Medium parameters used:  
f = 1900.0 MHz; cond = 1.49 S/m; perm = 51.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/29/2023; Ambient Temp: 19.3°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7565; ConvF:(7.54,7.54,7.54); Calibrated: 2023-01-12  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20  
Phantom: Twin-SAM V5.0; Serial: 1868  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900 MHz System Verification at 20 dBm (100 mW)

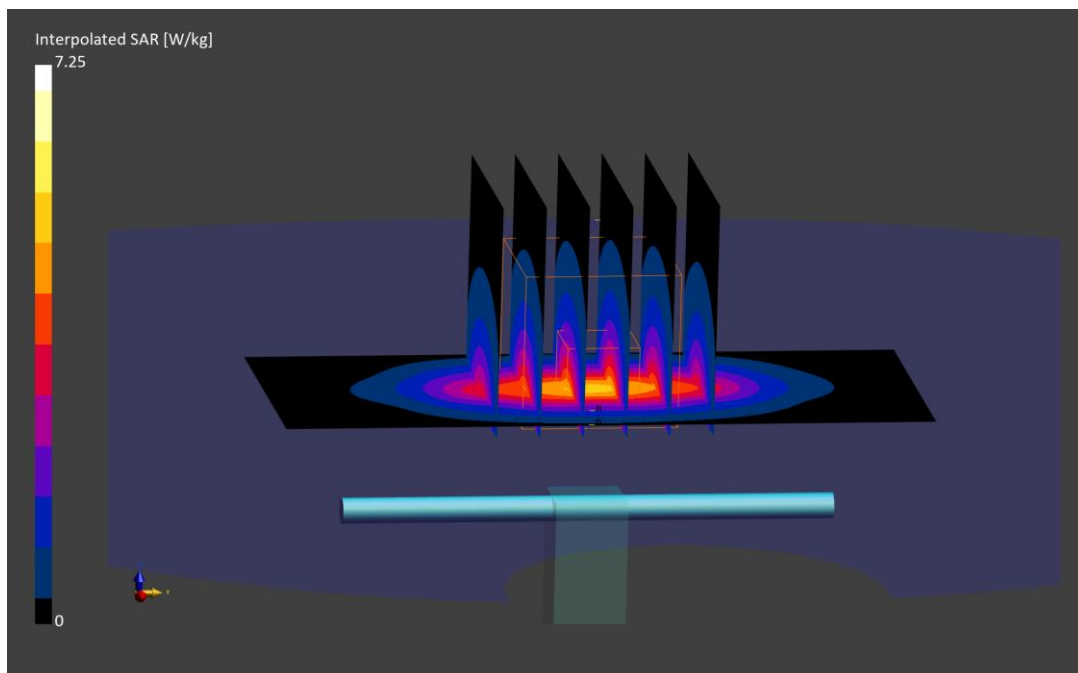
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.25 W/kg

**SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.07 W/kg**

Deviation (1 g) = 0.51%; Deviation (10 g) = 0.49%;



# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d080**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Body; Medium parameters used:  
f = 1900.0 MHz; cond = 1.55 S/m; perm = 51.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/05/2023; Ambient Temp: 23.1 °C; Tissue Temp: 21.3 °C

Probe: EX3DV4 - SN7409; ConvF:(7.66,7.66,7.66); Calibrated: 2022-06-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14  
Phantom: Twin-SAM V5.0; Serial: 1792  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900 MHz System Verification at 20 dBm (100 mW)

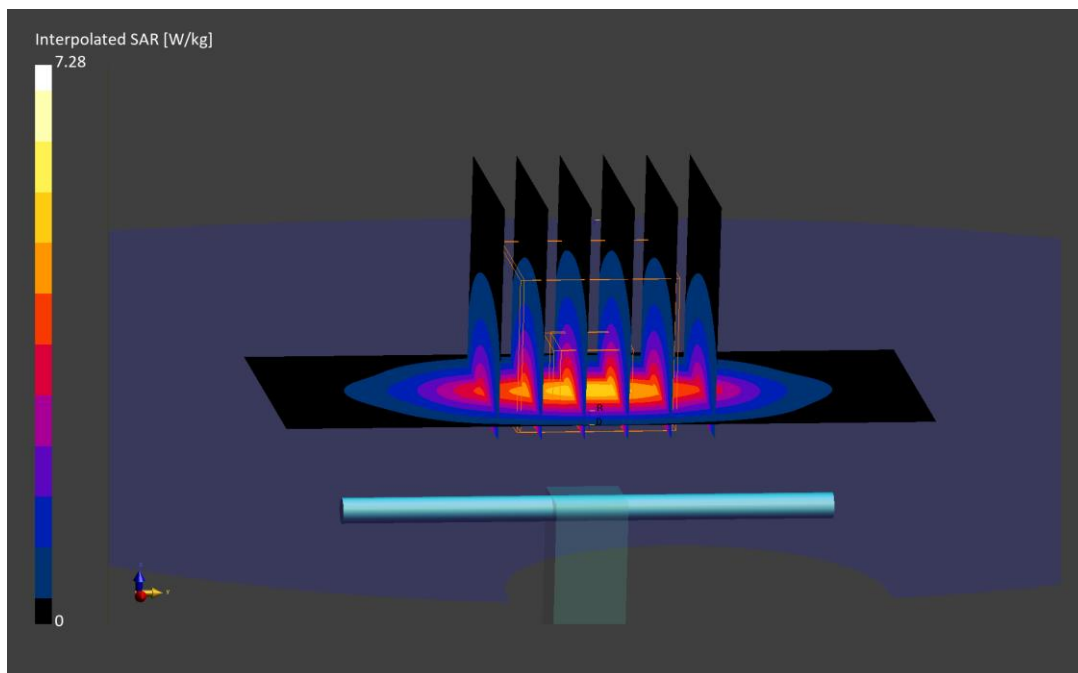
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.28 W/kg

**SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.12 W/kg**

Deviation (1 g) = 0.49%; Deviation (10 g) = -0.47%;



# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d030**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Body; Medium parameters used:  
f = 1900.0 MHz; cond = 1.56 S/m; perm = 51.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/05/2023; Ambient Temp: 21.8°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7490; ConvF:(8.15,8.15,8.15); Calibrated: 2022-12-09  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1644; Calibrated: 2022-12-13  
Phantom: Twin-SAM V8.0; Serial: 2034  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900 MHz System Verification at 20 dBm (100 mW)

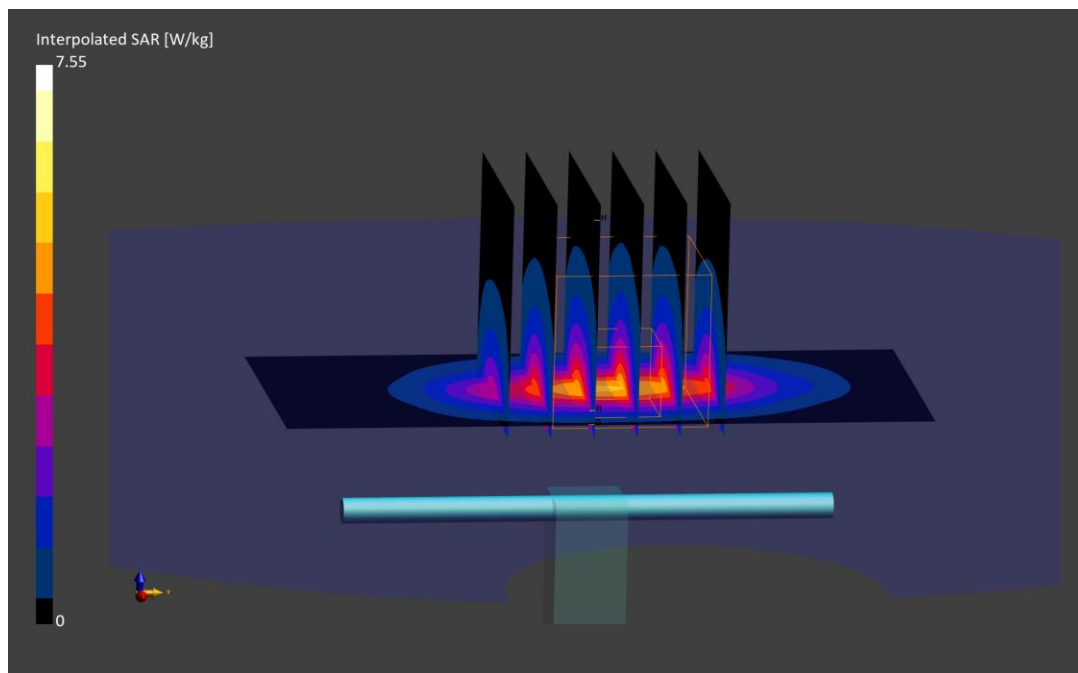
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.55 W/kg

**SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.17 W/kg**

Deviation (1 g) = 6.11%; Deviation (10 g) = 5.34%;



# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d181**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Body; Medium parameters used:  
f = 1900.0 MHz; cond = 1.57 S/m; perm = 51.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/17/2023; Ambient Temp: 21.3°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7420; ConvF:(7.81,7.81,7.81); Calibrated: 2022-10-20  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1333; Calibrated: 2022-10-13  
Phantom: Twin-SAM V8.0; Serial: 1736  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900 MHz System Verification at 20 dBm (100 mW)

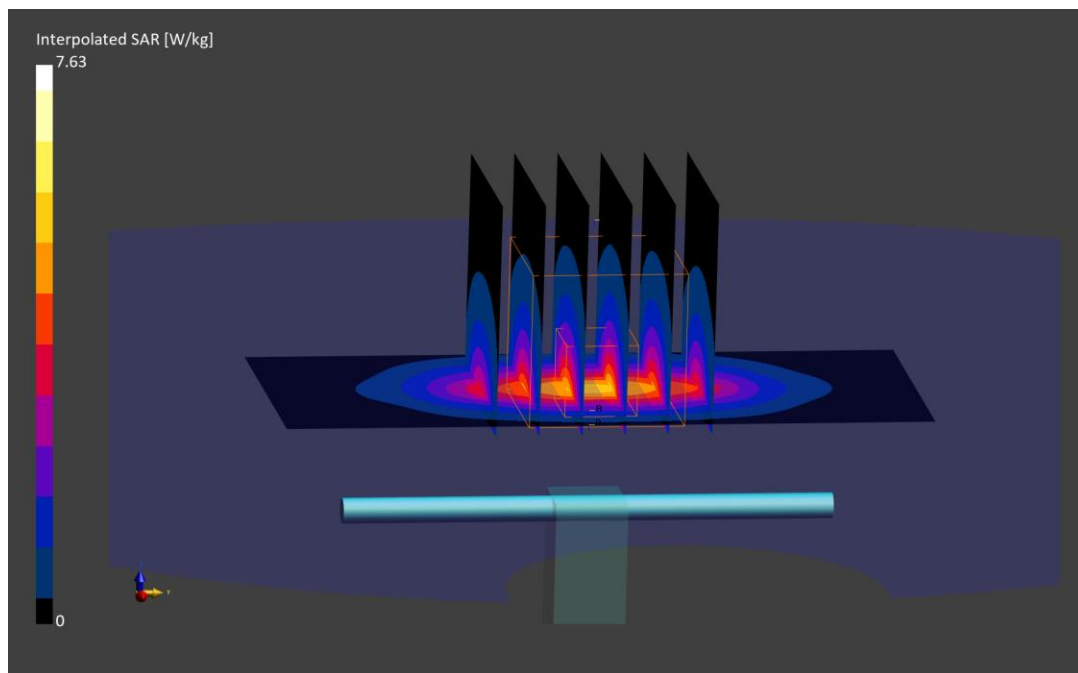
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.63 W/kg

**SAR(1 g) = 4.18 W/kg; SAR(10 g) = 2.16 W/kg**

Deviation (1 g) = 5.29%; Deviation (10 g) = 2.86%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Body; Medium parameters used:  
f = 1900.0 MHz; cond = 1.57 S/m; perm = 53.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/18/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7570; ConvF:(8.18,8.18,8.18); Calibrated: 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 2060  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900 MHz System Verification at 20 dBm (100 mW)

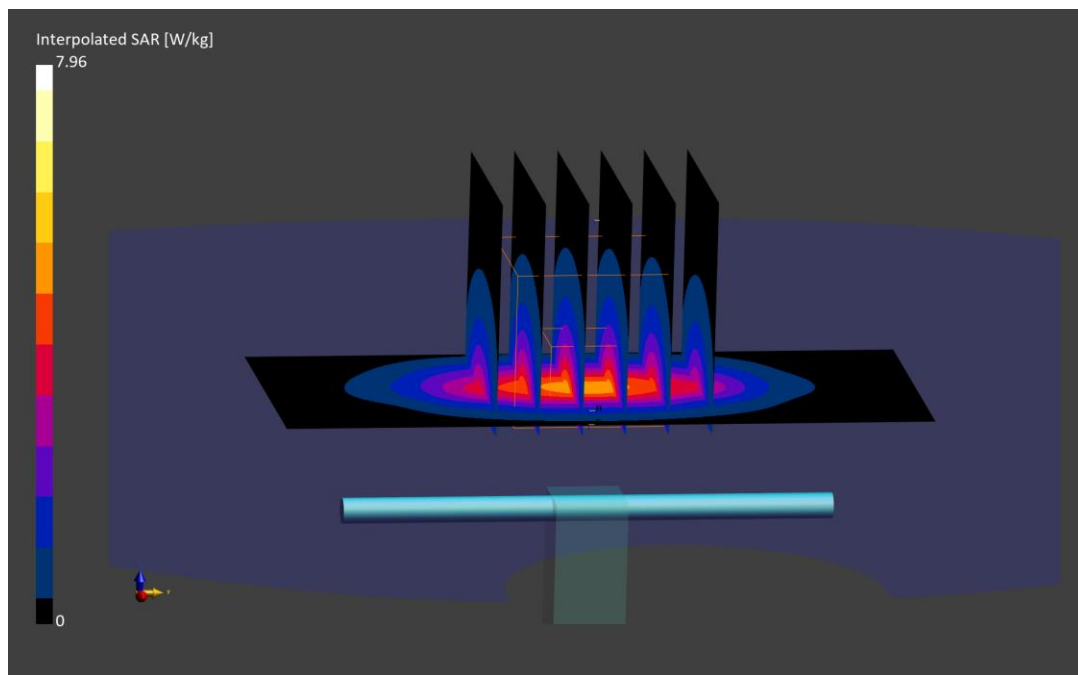
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.95 W/kg

**SAR(1 g) = 4.13 W/kg; SAR(10 g) = 2.12 W/kg**

Deviation (1 g) = 2.23%; Deviation (10 g) = 0.47%;



# ELEMENT

**DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d030**

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Body; Medium parameters used:  
f = 1900.0 MHz; cond = 1.55 S/m; perm = 51.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/18/2023; Ambient Temp: 21.0°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN3837; ConvF:(7.59,7.59,7.59); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

## 1900 MHz System Verification at 20 dBm (100 mW)

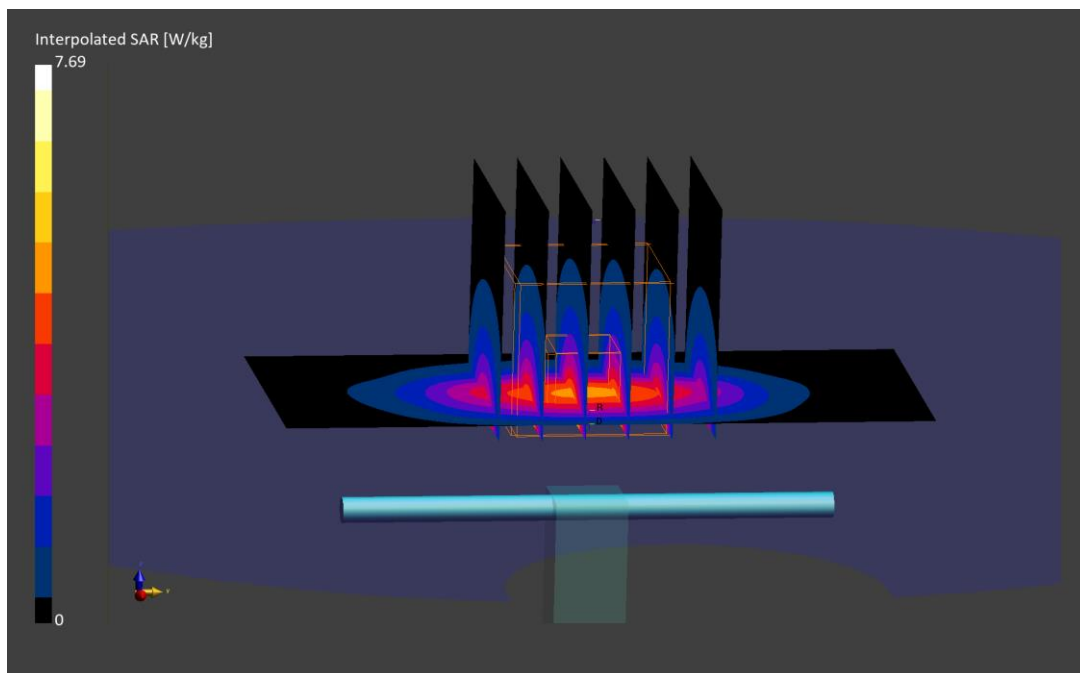
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.69 W/kg

**SAR(1 g) = 3.92 W/kg; SAR(10 g) = 2.01 W/kg**

Deviation (1 g) = -0.25%; Deviation (10 g) = -2.43%;



# ELEMENT

**DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1064**

Communication System: UID: 0, CW; Frequency: 2300.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2300.0 MHz; cond = 1.83 S/m; perm = 52.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/19/2023; Ambient Temp: 21.6°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN3837; ConvF:(7.51,7.51,7.51); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2300 MHz System Verification at 20 dBm (100 mW)

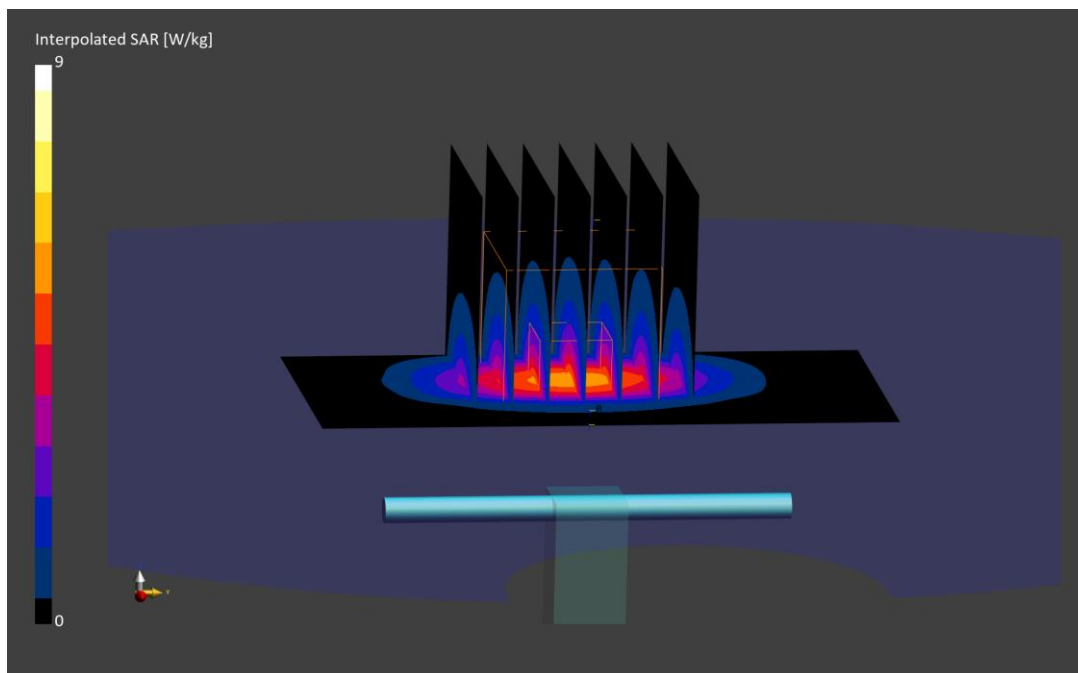
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 9.00 W/kg

**SAR(1 g) = 4.53 W/kg; SAR(10 g) = 2.17 W/kg**

Deviation (1 g) = -6.40%; Deviation (10 g) = -6.87%;



# ELEMENT

**DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1073**

Communication System: UID: 0, CW; Frequency: 2300.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2300.0 MHz; cond = 1.81 S/m; perm = 52.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/25/2023; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7713; ConvF:(8.32,8.32,8.32); Calibrated: 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18  
Phantom: Twin-SAM V8.0; Serial: 2065  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2300 MHz System Verification at 20 dBm (100 mW)

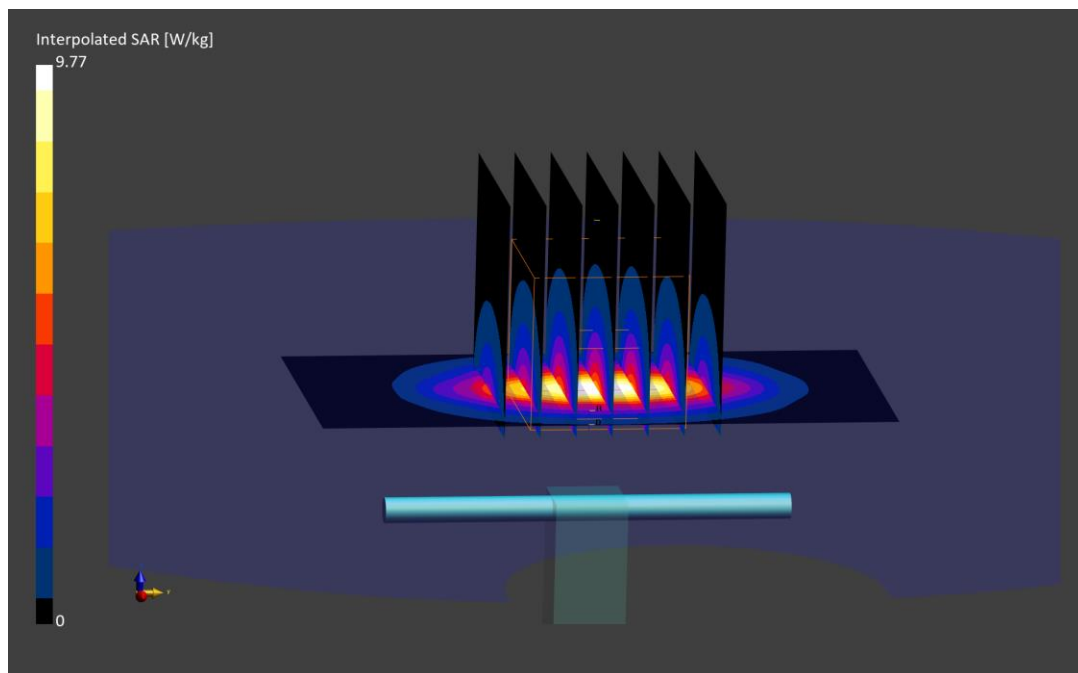
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 9.77 W/kg

**SAR(1 g) = 4.91 W/kg; SAR(10 g) = 2.36 W/kg**

Deviation (1 g) = 2.08%; Deviation (10 g) = 0.00%;





# ELEMENT

**DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1116**

Communication System: UID: 0, CW; Frequency: 2300.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2300.0 MHz; cond = 1.90 S/m; perm = 52.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/29/2023; Ambient Temp: 22.7°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7570; ConvF:(7.74,7.74,7.74); Calibrated: 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 2060  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2300 MHz System Verification at 20 dBm (100 mW)

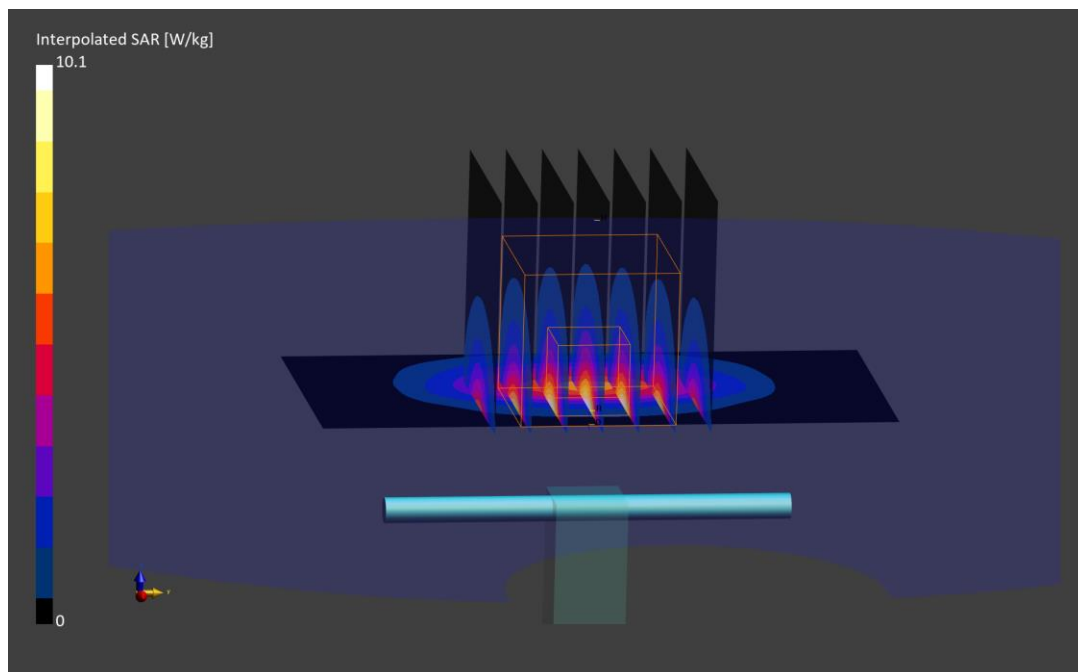
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 10.1 W/kg

**SAR(1 g) = 4.94 W/kg; SAR(10 g) = 2.35 W/kg**

Deviation (1 g) = 0.41%; Deviation (10 g) = -0.84%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2450.0 MHz; cond = 2.03 S/m; perm = 51.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/28/2023; Ambient Temp: 21.3°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7547; ConvF:(7.28,7.28,7.28); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

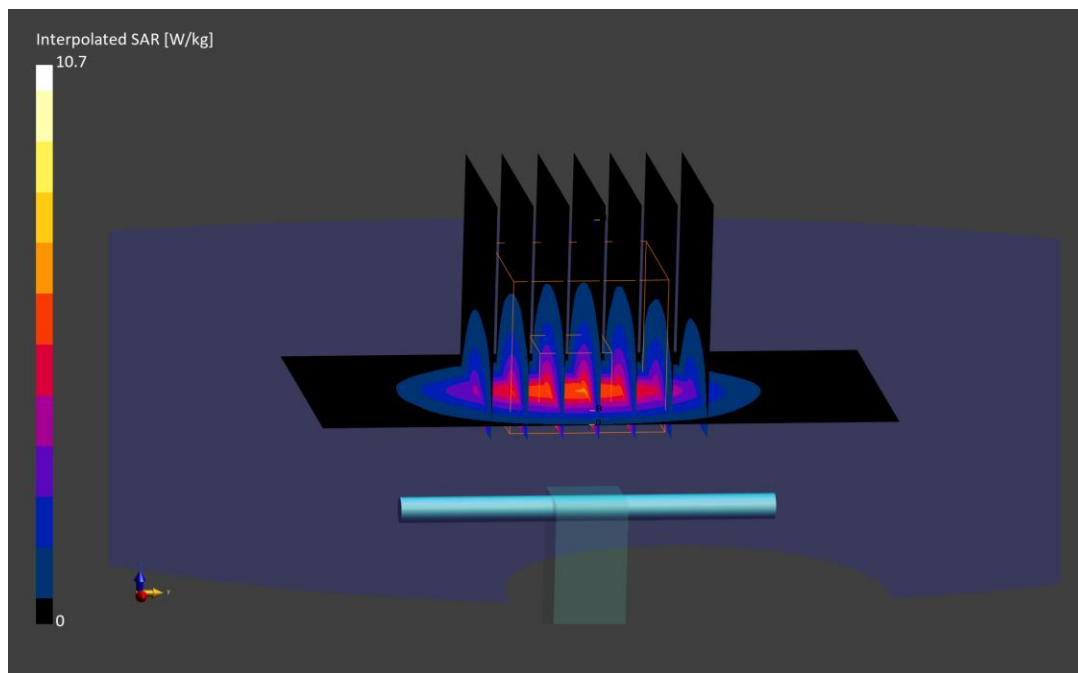
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 10.7 W/kg

**SAR(1 g) = 5.03 W/kg; SAR(10 g) = 2.32 W/kg**

Deviation (1 g) = 1.41%; Deviation (10 g) = -0.85%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2450.0 MHz; cond = 2.03 S/m; perm = 51.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/10/2023; Ambient Temp: 22.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7547; ConvF:(7.28,7.28,7.28); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

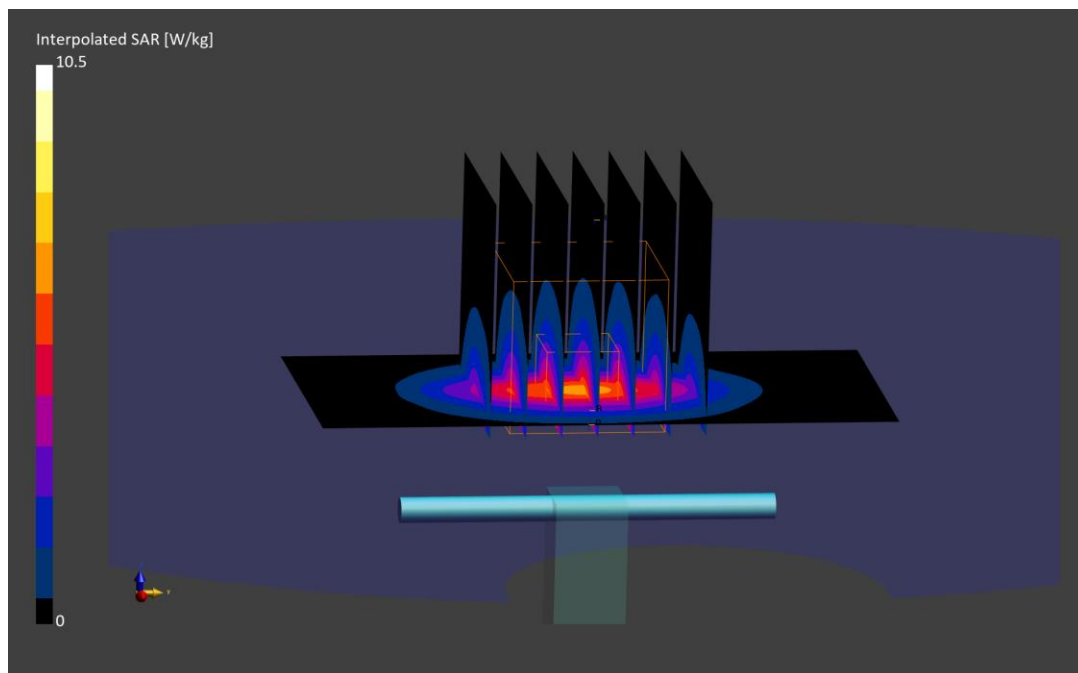
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 5.08 W/kg; SAR(10 g) = 2.35 W/kg**

Deviation (1 g) = 2.42%; Deviation (10 g) = 0.43%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2450.0 MHz; cond = 2.03 S/m; perm = 50.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/12/2023; Ambient Temp: 22.7°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7547; ConvF:(7.28,7.28,7.28); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

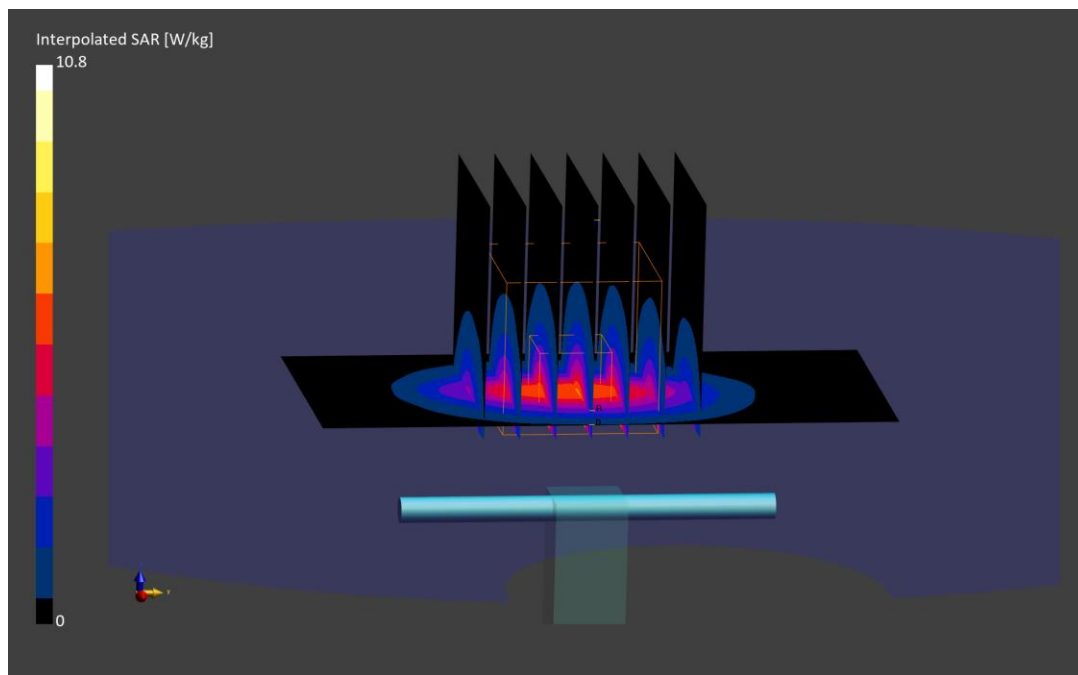
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 5.07 W/kg; SAR(10 g) = 2.35 W/kg**

Deviation (1 g) = 2.22%; Deviation (10 g) = 0.43%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2450.0 MHz; cond = 2.03 S/m; perm = 50.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/13/2023; Ambient Temp: 22.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7547; ConvF:(7.28,7.28,7.28); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

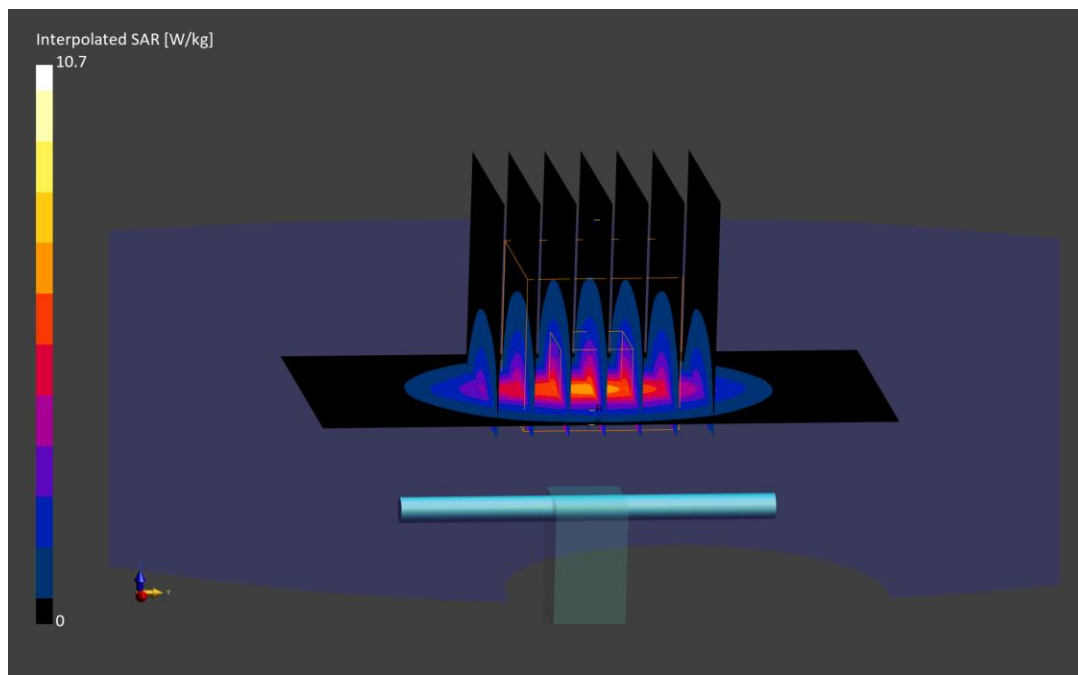
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 10.7 W/kg

**SAR(1 g) = 5.18 W/kg; SAR(10 g) = 2.40 W/kg**

Deviation (1 g) = 4.44%; Deviation (10 g) = 2.56%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2450.0 MHz; cond = 2.02 S/m; perm = 50.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/30/2023; Ambient Temp: 22.2°C; Tissue Temp: 23°C

Probe: EX3DV4 - SN7417; ConvF:(7.59,7.59,7.59); Calibrated: 2023-02-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn665; Calibrated: 2023-02-15  
Phantom: Twin-SAM V5.0; Serial: 1757  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

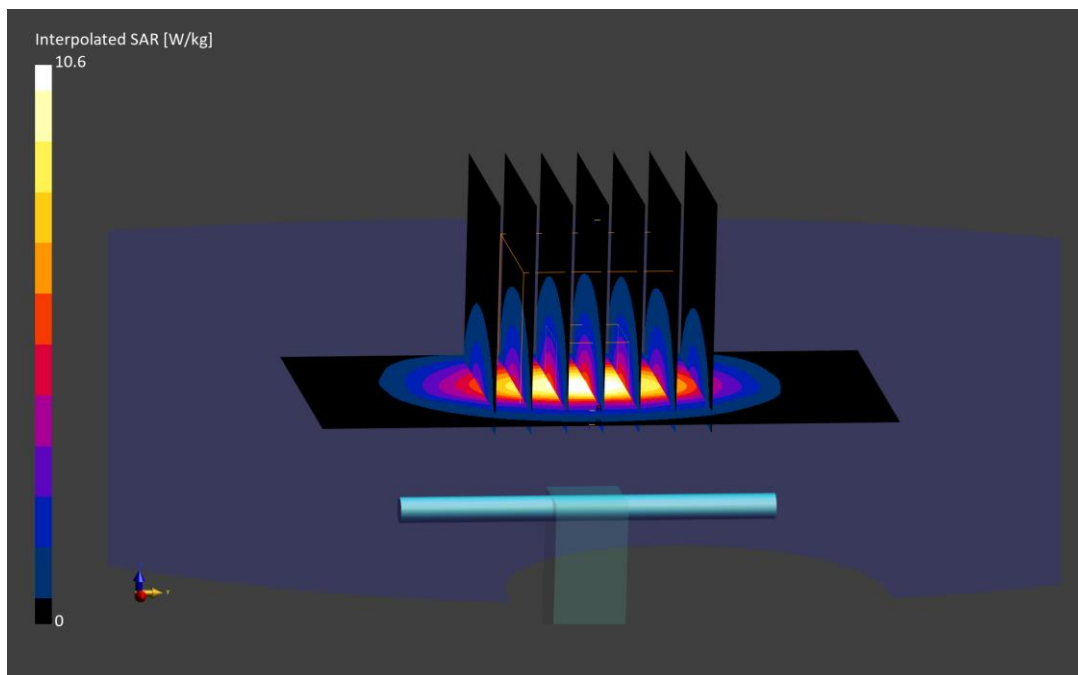
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 4.98 W/kg; SAR(10 g) = 2.28 W/kg**

Deviation (1 g) = -4.23%; Deviation (10 g) = -7.69%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2450.0 MHz; cond = 2.02 S/m; perm = 51.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/02/2023; Ambient Temp: 22.3°C; Tissue Temp: 23°C

Probe: EX3DV4 - SN7417; ConvF:(7.59,7.59,7.59); Calibrated: 2023-02-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn665; Calibrated: 2023-02-15  
Phantom: Twin-SAM V5.0; Serial: 1757  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

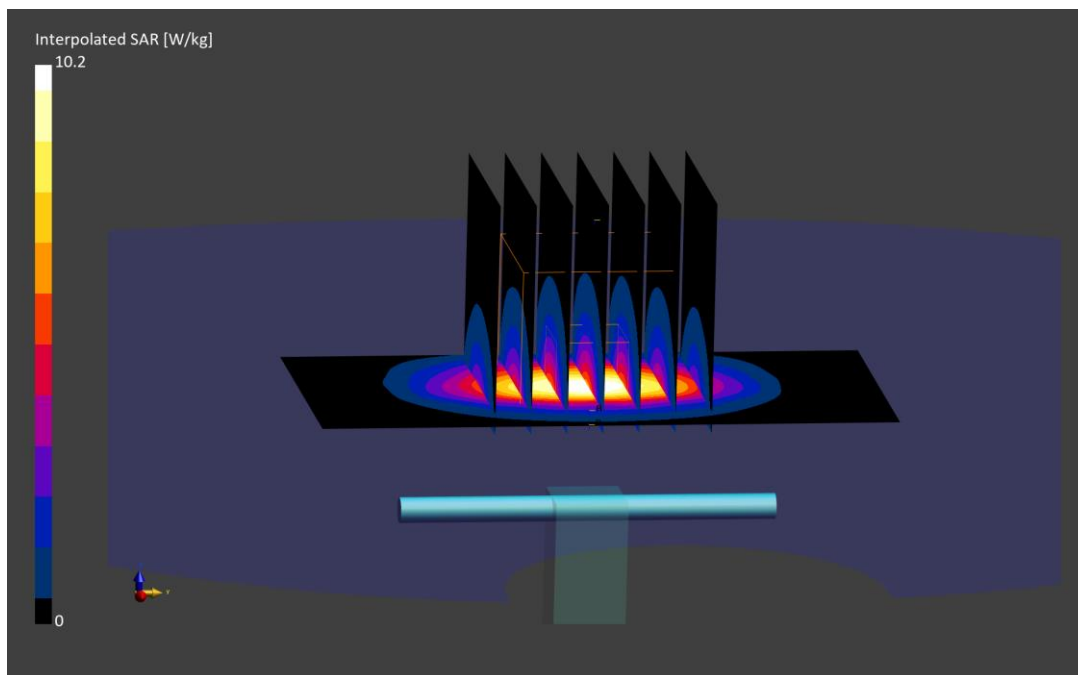
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 4.86 W/kg; SAR(10 g) = 2.23 W/kg**

Deviation (1 g) = -6.54%; Deviation (10 g) = -9.72%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2450.0 MHz; cond = 2.03 S/m; perm = 50.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/09/2023; Ambient Temp: 23.3°C; Tissue Temp: 23.1°C

Probe: EX3DV4 - SN7410; ConvF:(7.52,7.52,7.52); Calibrated: 2022-07-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 1966  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

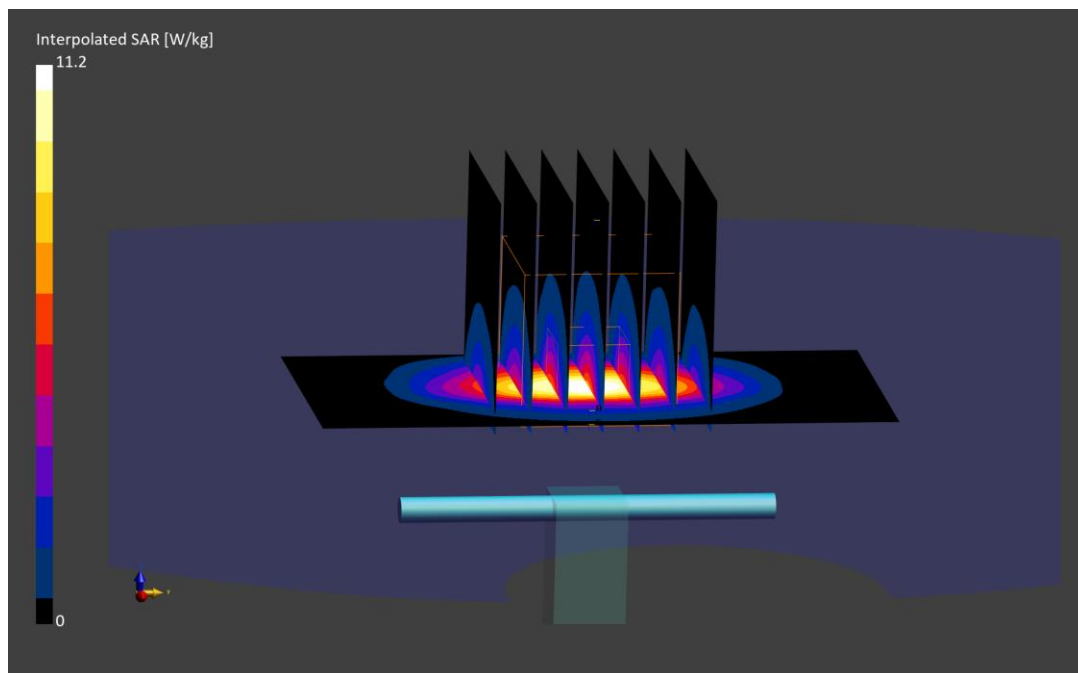
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 11.1 W/kg

**SAR(1 g) = 5.37 W/kg; SAR(10 g) = 2.49 W/kg**

Deviation (1 g) = 6.76%; Deviation (10 g) = 5.06%;





# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2450.0 MHz; cond = 2.00 S/m; perm = 50.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/21/2023; Ambient Temp: 22.0°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7406; ConvF:(7.57,7.57,7.57); Calibrated: 2022-07-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 2064  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2450 MHz System Verification at 20 dBm (100 mW)

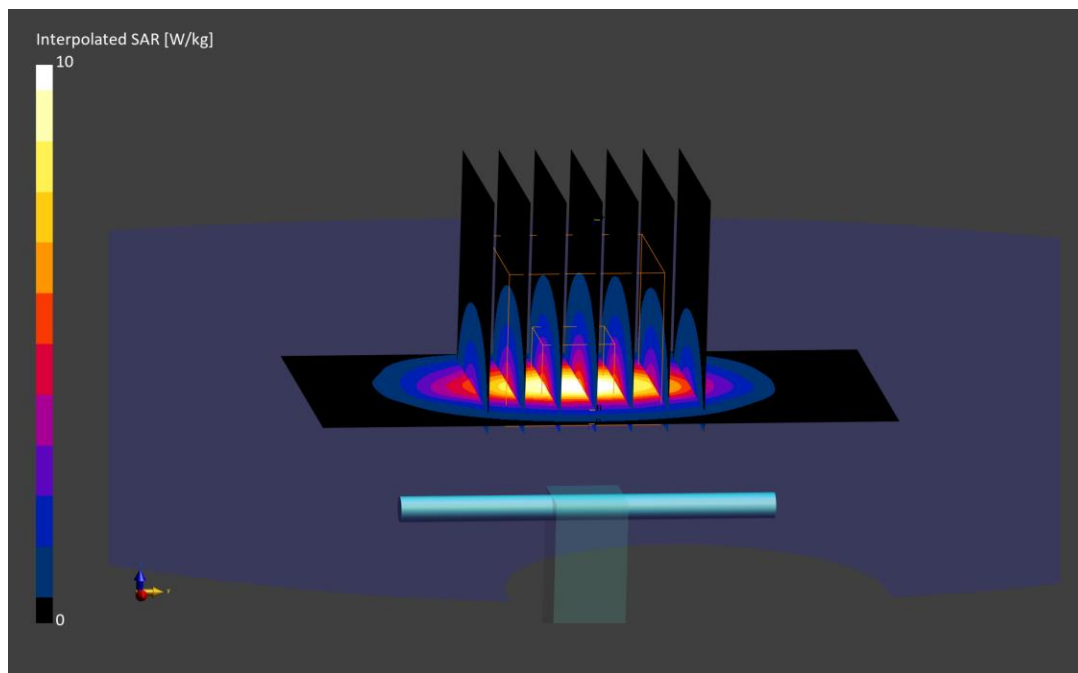
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 10.0 W/kg

**SAR(1 g) = 4.84 W/kg; SAR(10 g) = 2.23 W/kg**

Deviation (1 g) = -6.92%; Deviation (10 g) = -9.72%;



# ELEMENT

**DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1071**

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2600.0 MHz; cond = 2.21 S/m; perm = 52.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/28/2023; Ambient Temp: 23.6°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7409; ConvF:(7.23,7.23,7.23); Calibrated: 2022-06-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14  
Phantom: Twin-SAM V5.0; Serial: 1792  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

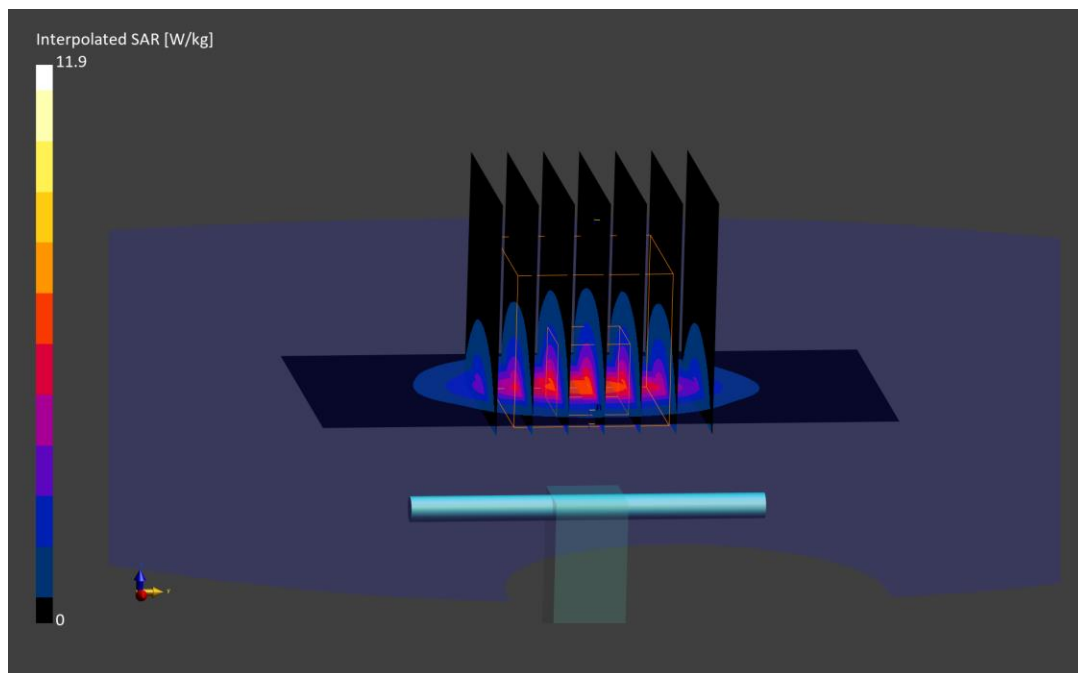
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 5.30 W/kg; SAR(10 g) = 2.32 W/kg**

Deviation (1 g) = -2.39%; Deviation (10 g) = -4.53%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2600.0 MHz; cond = 2.17 S/m; perm = 51.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/28/2023; Ambient Temp: 21.3°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7547; ConvF:(7.02,7.02,7.02); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

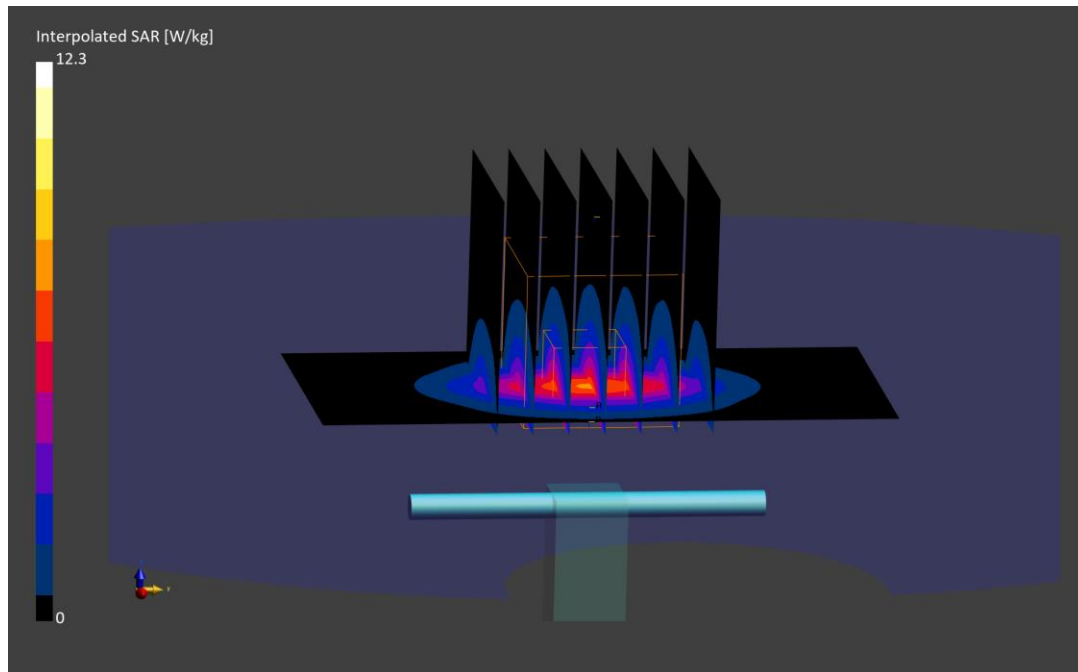
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 12.3 W/kg

**SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.48 W/kg**

Deviation (1 g) = 2.01%; Deviation (10 g) = 0.40%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2600.0 MHz; cond = 2.21 S/m; perm = 51.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/31/2023; Ambient Temp: 21.7°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7409; ConvF:(7.23,7.23,7.23); Calibrated: 2022-06-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14  
Phantom: Twin-SAM V5.0; Serial: 1792  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

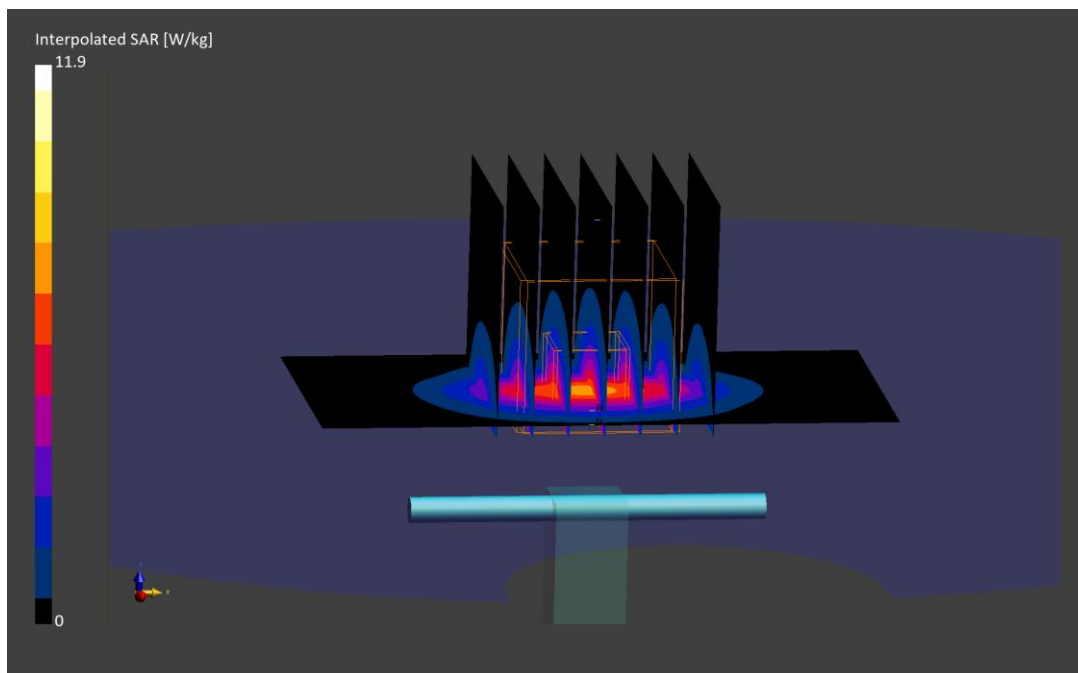
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 5.55 W/kg; SAR(10 g) = 2.45 W/kg**

Deviation (1 g) = 1.65%; Deviation (10 g) = 0.41%;



# ELEMENT

**DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1042**

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2600.0 MHz; cond = 2.25 S/m; perm = 51.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/03/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7420; ConvF:(7.27,7.27,7.27); Calibrated: 2022-10-20  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1333; Calibrated: 2022-10-13  
Phantom: Twin-SAM V8.0; Serial: 1736  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

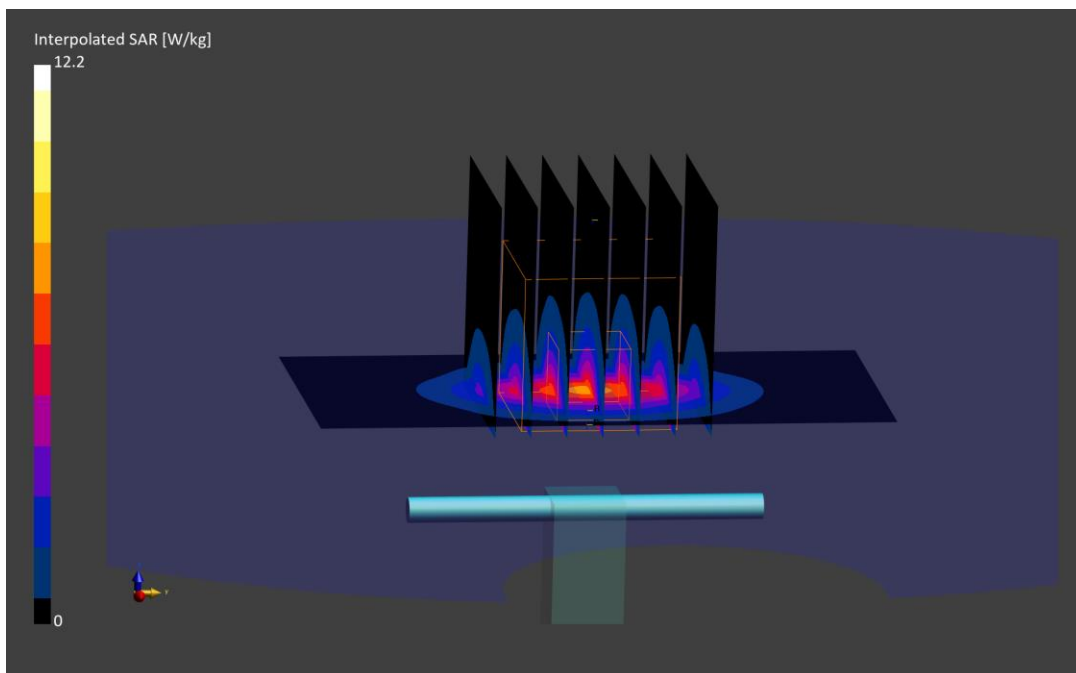
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 5.48 W/kg; SAR(10 g) = 2.39 W/kg**

Deviation (1 g) = 2.05%; Deviation (10 g) = -0.42%;



# ELEMENT

**DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1042**

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2600.0 MHz; cond = 2.20 S/m; perm = 51.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/05/2023; Ambient Temp: 23.1 °C; Tissue Temp: 22.2 °C

Probe: EX3DV4 - SN7416; ConvF:(7.42,7.42,7.42); Calibrated: 2022-05-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn701; Calibrated: 2022-05-16  
Phantom: Twin-SAM V8.0; Serial: 2067  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

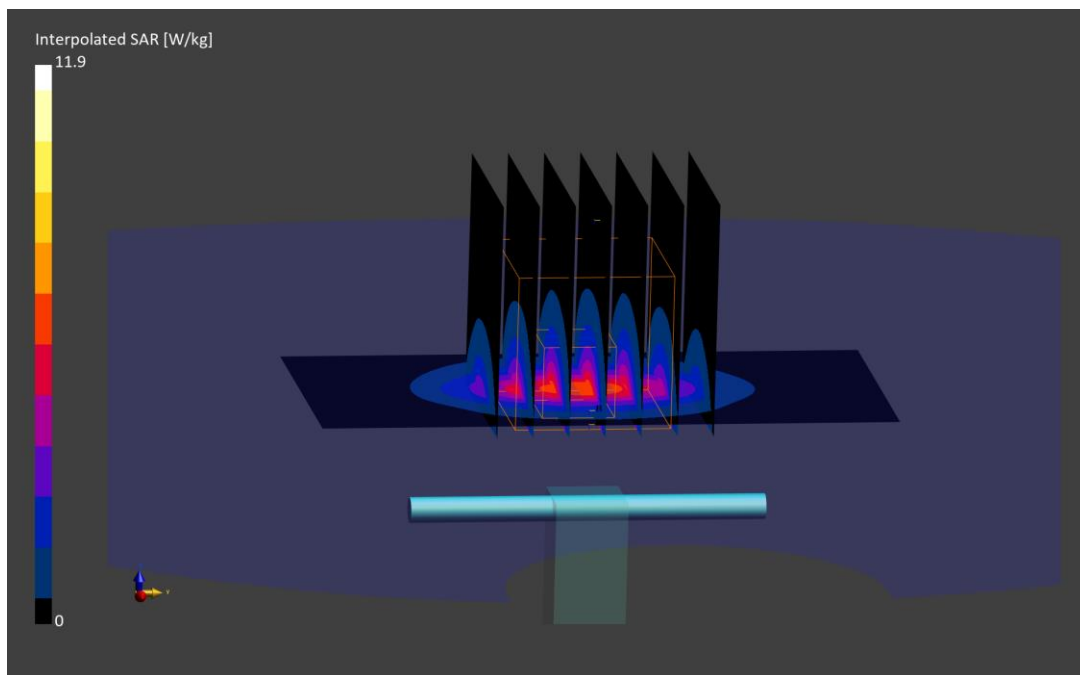
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 5.22 W/kg; SAR(10 g) = 2.30 W/kg**

Deviation (1 g) = -2.79%; Deviation (10 g) = -4.17%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2600.0 MHz; cond = 2.17 S/m; perm = 51.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/10/2023; Ambient Temp: 22.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7547; ConvF:(7.02,7.02,7.02); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

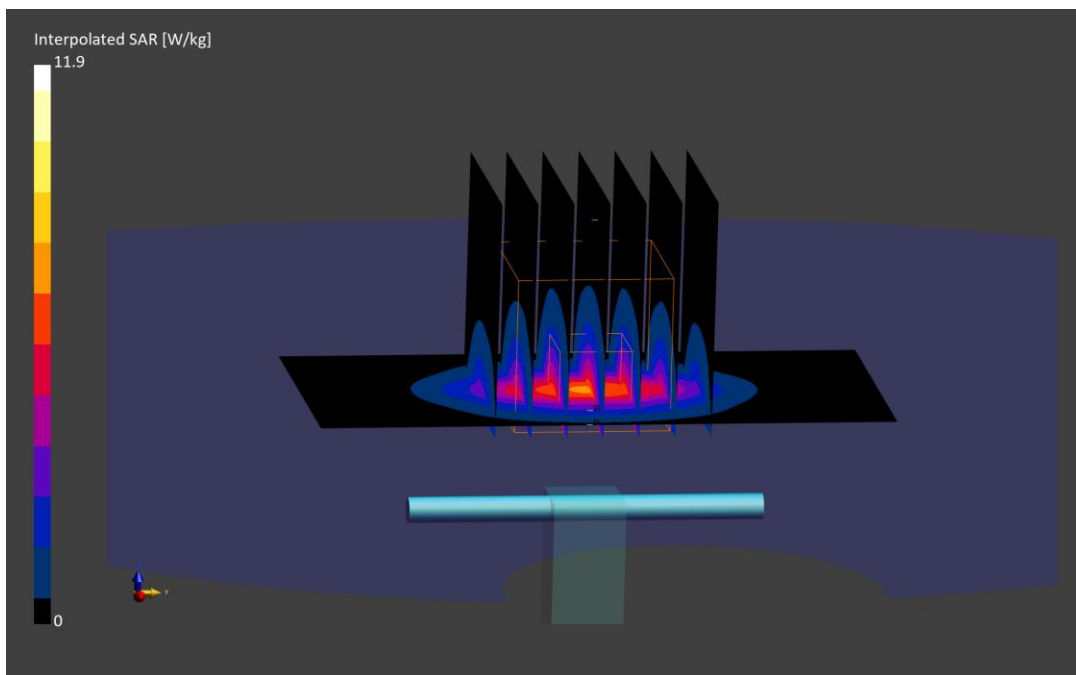
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 5.51 W/kg; SAR(10 g) = 2.46 W/kg**

Deviation (1 g) = 1.66%; Deviation (10 g) = 1.23%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2600.0 MHz; cond = 2.17 S/m; perm = 50.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/12/2023; Ambient Temp: 22.7°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7547; ConvF:(7.02,7.02,7.02); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

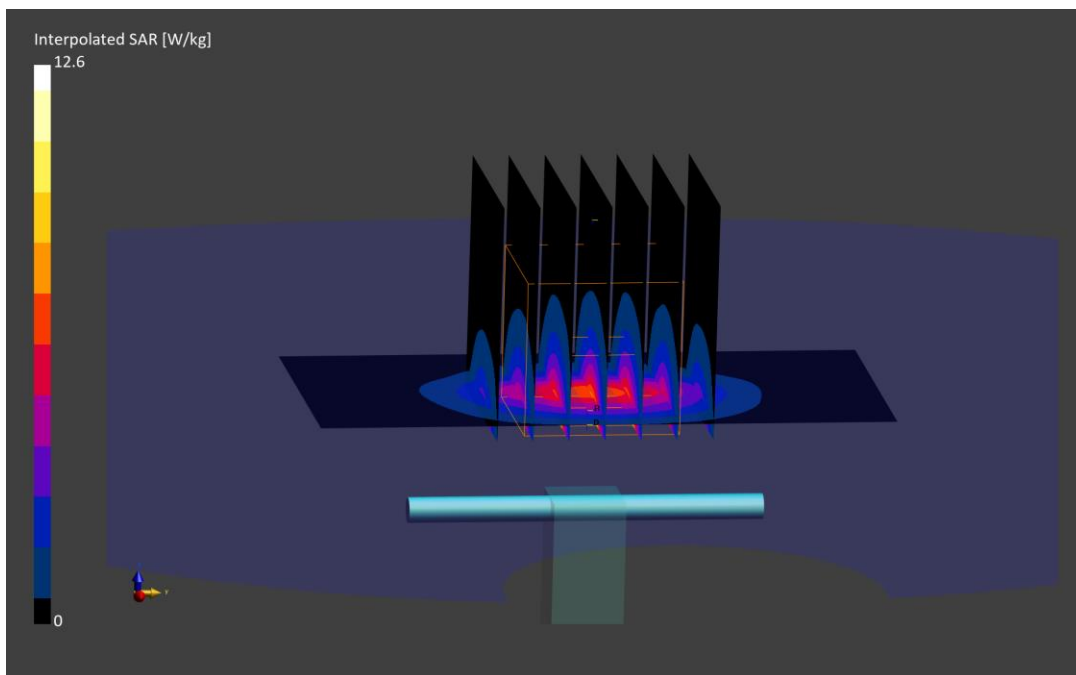
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 12.6 W/kg

**SAR(1 g) = 5.70 W/kg; SAR(10 g) = 2.54 W/kg**

Deviation (1 g) = 5.17%; Deviation (10 g) = 4.53%;





# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2600.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2600.0 MHz; cond = 2.17 S/m; perm = 50.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/13/2023; Ambient Temp: 22.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7547; ConvF:(7.02,7.02,7.02); Calibrated: 2022-10-19  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17  
Phantom: Twin-SAM V8.0; Serial: 1934  
Measurement SW: DASY Module SAR V16.2.0.1425

## 2600 MHz System Verification at 20 dBm (100 mW)

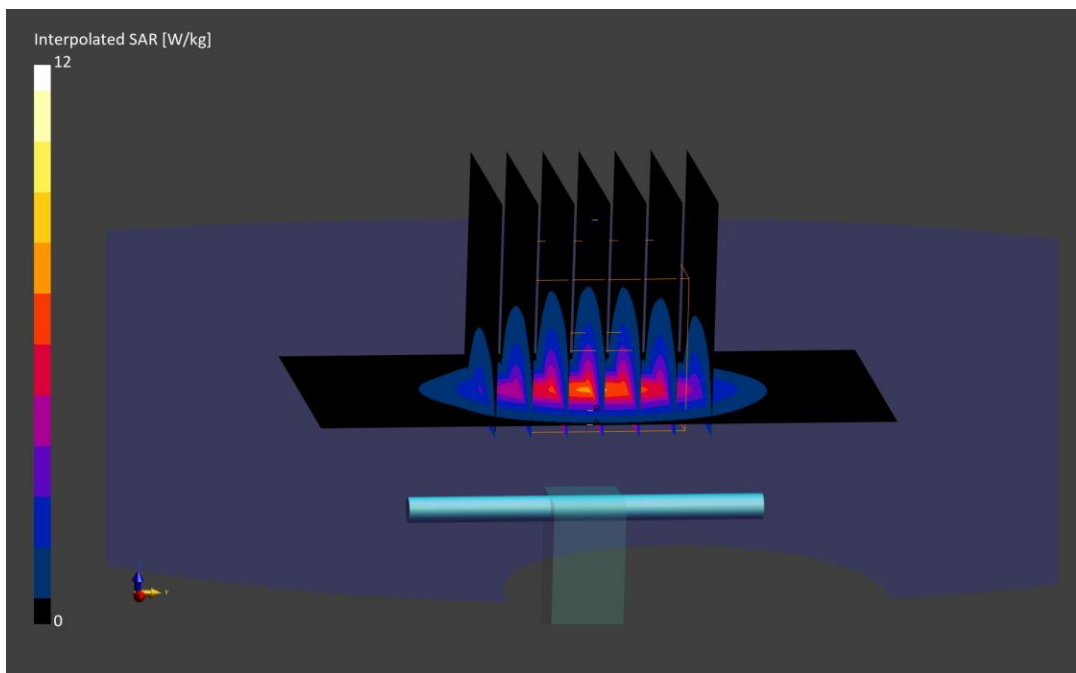
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**Zoom Scan (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) = 12.0 W/kg

**SAR(1 g) = 5.56 W/kg; SAR(10 g) = 2.48 W/kg**

Deviation (1 g) = 2.58%; Deviation (10 g) = 2.06%;



# ELEMENT

**DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1097**

Communication System: UID: 0, CW; Frequency: 3500.0 MHz  
Medium: 3600 Body; Medium parameters used:  
f = 3500.0 MHz; cond = 3.46 S/m; perm = 50.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/23/2023; Ambient Temp: 21.7°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7406; ConvF:(6.74,6.74,6.74); Calibrated: 2022-07-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 2064  
Measurement SW: DASY Module SAR V16.2.0.1425

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

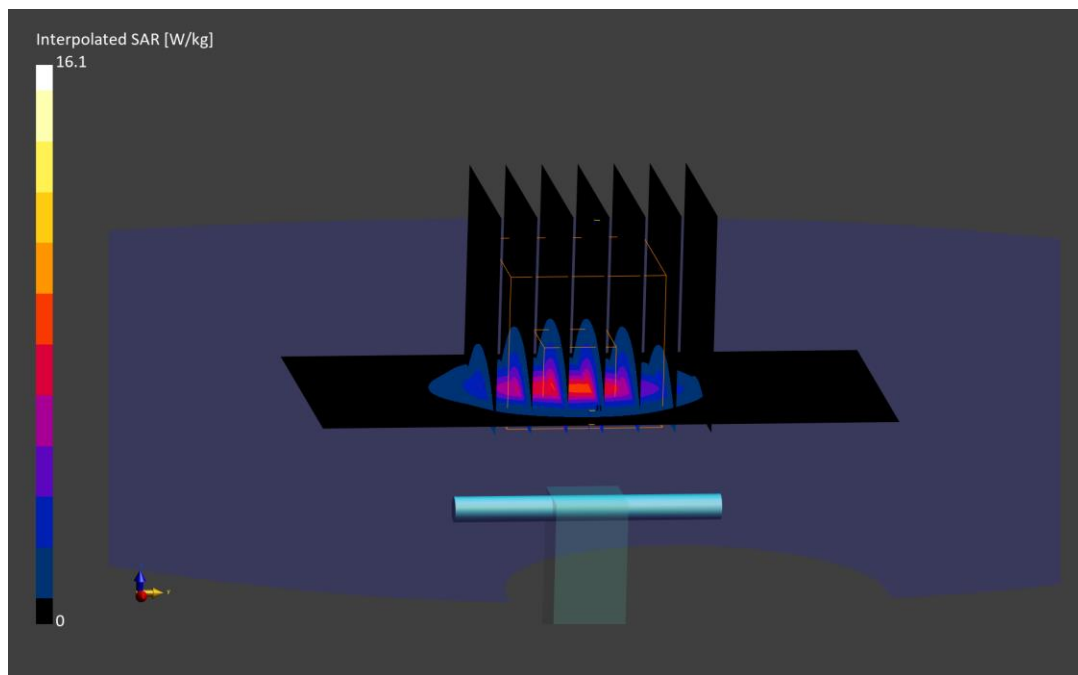
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 16.1 W/kg

**SAR(1 g) = 6.16 W/kg; SAR(10 g) = 2.30 W/kg**

Deviation (1 g) = -2.38%; Deviation (10 g) = -2.54%;



# 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 = 3.40 S/m; perm = 49.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/27/2023; Ambient Temp: 20.2°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3837; ConvF:(6.19,6.19,6.19); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

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

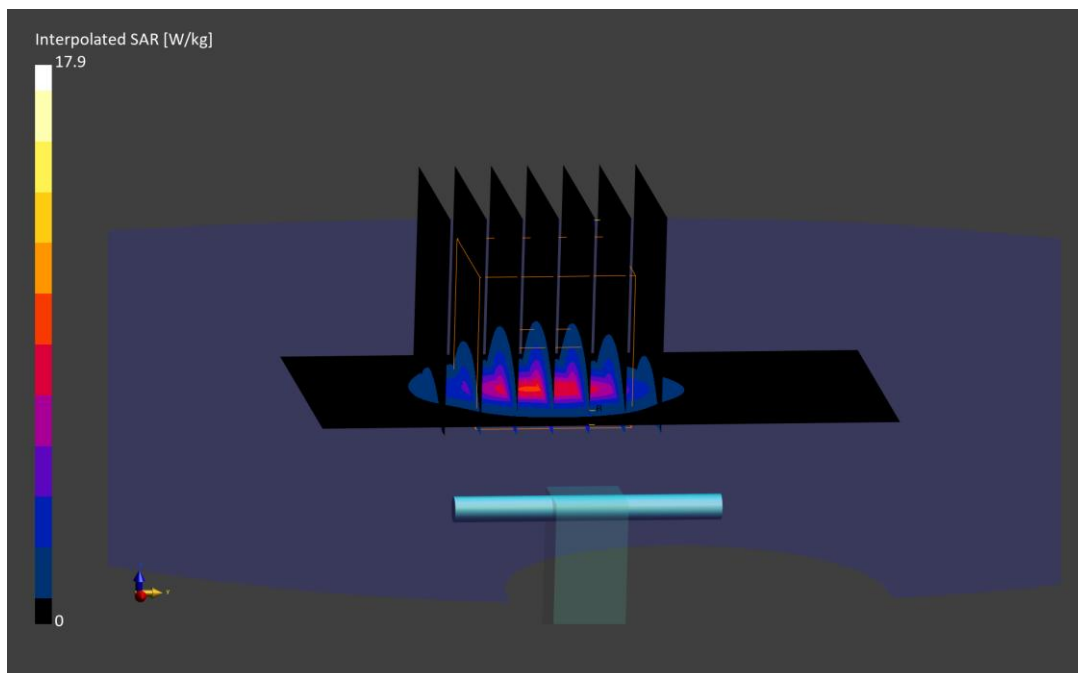
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 17.9 W/kg

**SAR(1 g) = 6.65 W/kg; SAR(10 g) = 2.44 W/kg**

Deviation (1 g) = 4.56%; Deviation (10 g) = 3.39%



# 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 = 3.43 S/m; perm = 49.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/30/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3837; ConvF:(6.19,6.19,6.19); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

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

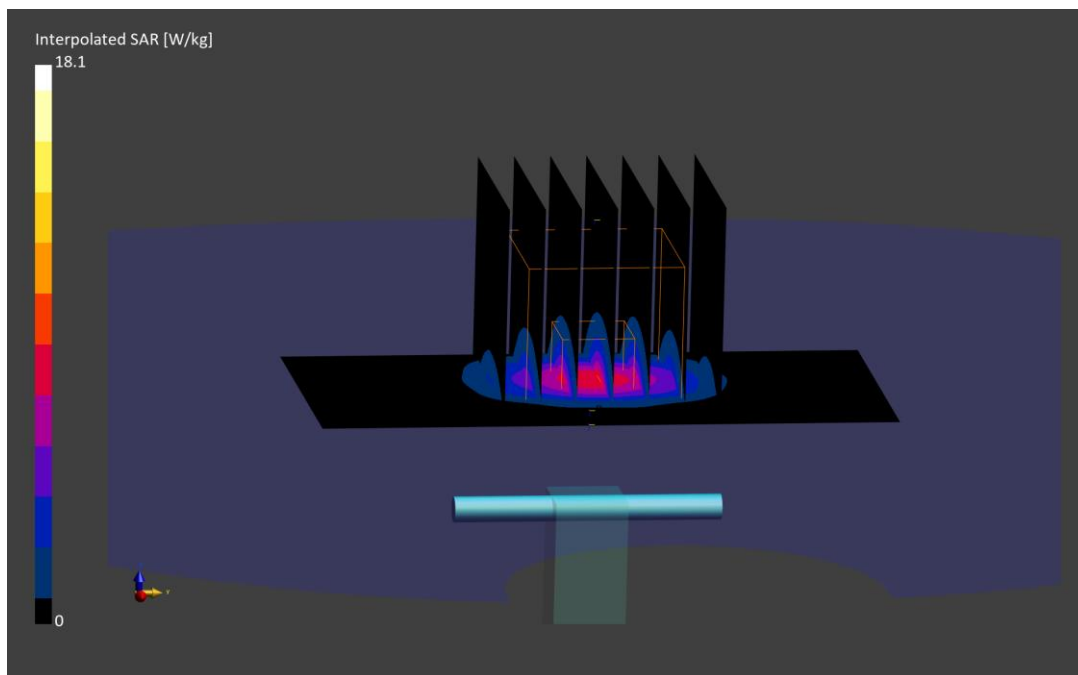
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 18.0 W/kg

**SAR(1 g) = 6.74 W/kg; SAR(10 g) = 2.47 W/kg**

Deviation (1 g) = 5.97%; Deviation (10 g) = 4.66%;



# 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 = 49.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/03/2023; Ambient Temp: 21.5°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN3837; ConvF:(6.19,6.19,6.19); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

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

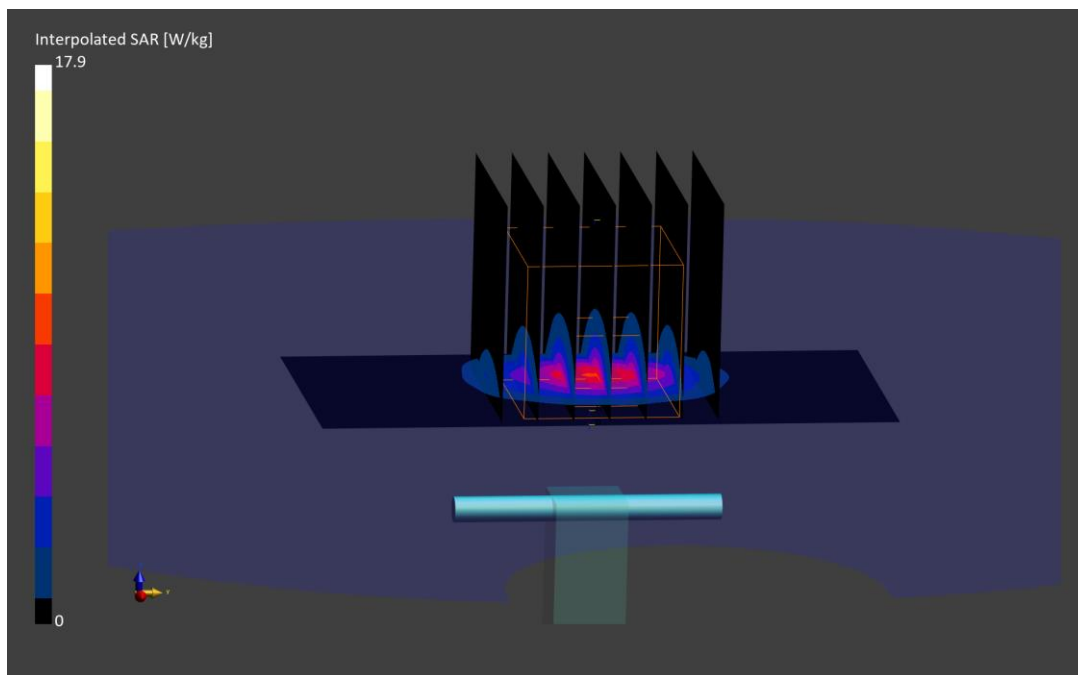
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 17.8 W/kg

**SAR(1 g) = 6.68 W/kg; SAR(10 g) = 2.45 W/kg**

Deviation (1 g) = -5.33%; Deviation (10 g) = -5.83%;



# 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 = 3.42 S/m; perm = 49.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/05/2023; Ambient Temp: 22.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3837; ConvF:(6.19,6.19,6.19); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

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

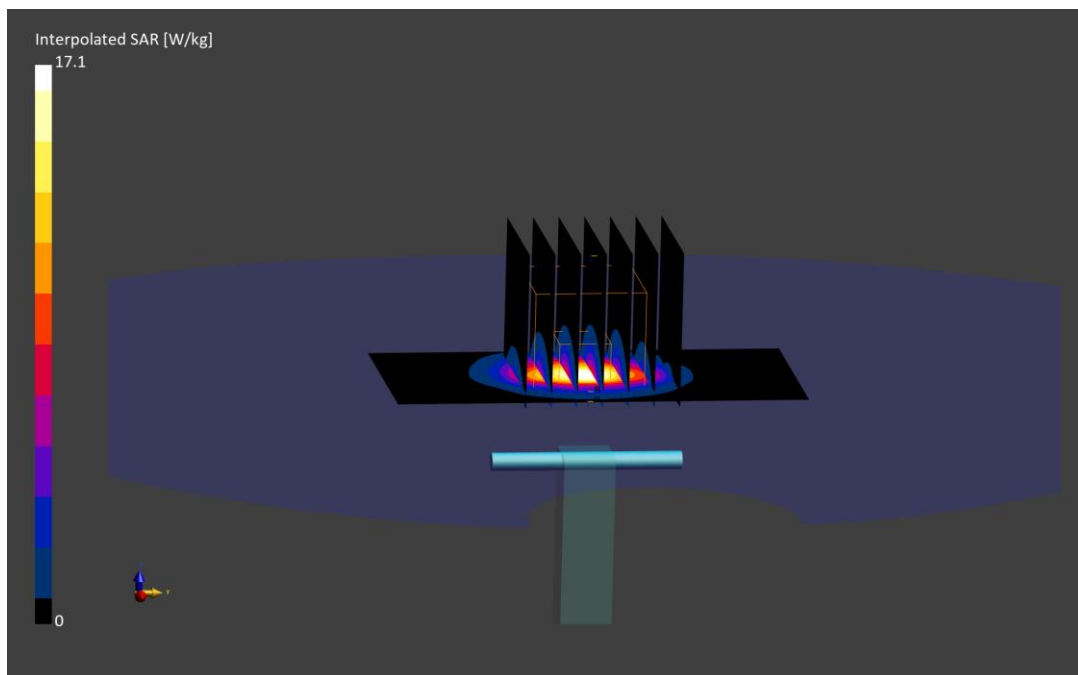
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 17.1 W/kg

**SAR(1 g) = 6.51 W/kg; SAR(10 g) = 2.41 W/kg**

Deviation (1 g) = 2.36%; Deviation (10 g) = 2.12%;



# 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 = 3.38 S/m; perm = 49.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/31/2023; Ambient Temp: 20.1 °C; Tissue Temp: 20.3 °C

Probe: EX3DV4 - SN3837; ConvF:(6.19,6.19,6.19); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

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

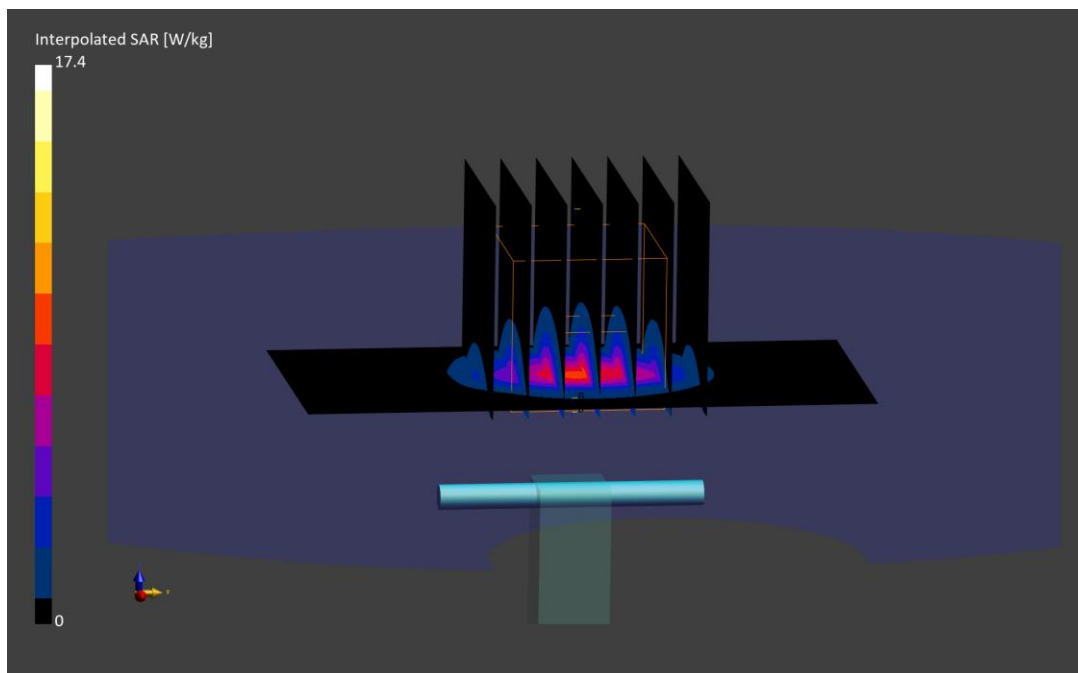
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 17.4 W/kg

**SAR(1 g) = 6.75 W/kg; SAR(10 g) = 2.52 W/kg**

Deviation (1 g) = 6.13%; Deviation (10 g) = 6.78%



# ELEMENT

**DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1018**

Communication System: UID: 0, CW; Frequency: 3700.0 MHz  
Medium: 3600 Body; Medium parameters used:  
f = 3700.0 MHz; cond = 3.71 S/m; perm = 49.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/23/2023; Ambient Temp: 21.7°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7406; ConvF:(6.45,6.45,6.45); Calibrated: 2022-07-18  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18  
Phantom: Twin-SAM V8.0; Serial: 2064  
Measurement SW: DASY Module SAR V16.2.0.1425

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

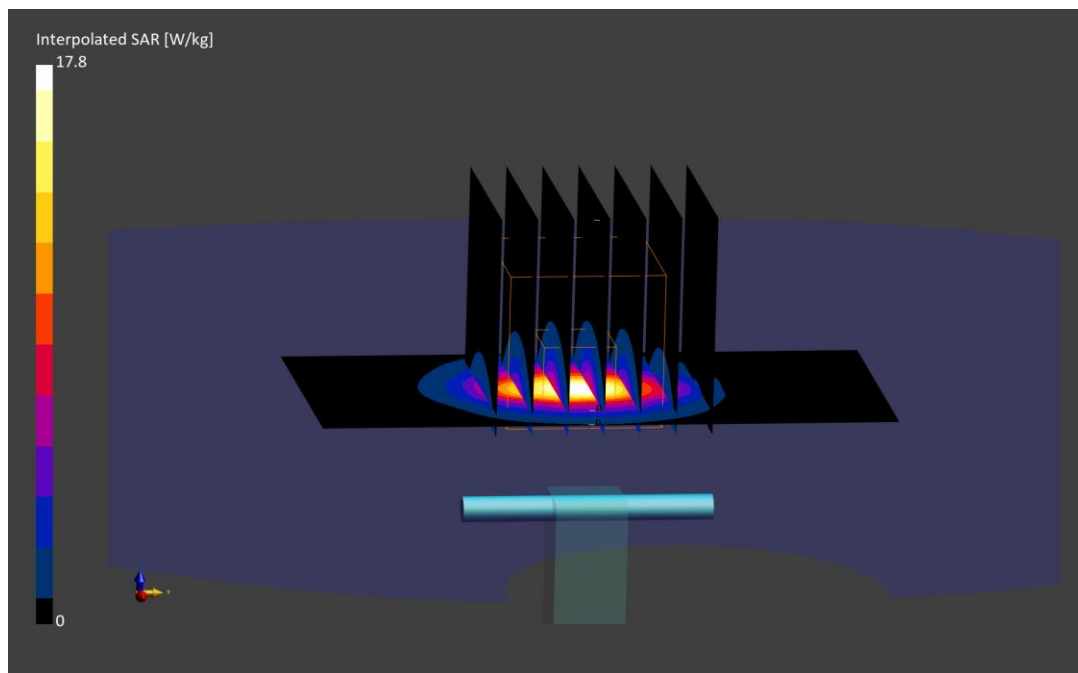
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 17.8 W/kg

**SAR(1 g) = 6.57 W/kg; SAR(10 g) = 2.41 W/kg**

Deviation (1 g) = 3.46%; Deviation (10 g) = 7.11%;





# 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 = 3.61 S/m; perm = 49.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/27/2023; Ambient Temp: 20.2°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3837; ConvF:(6.04,6.04,6.04); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

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

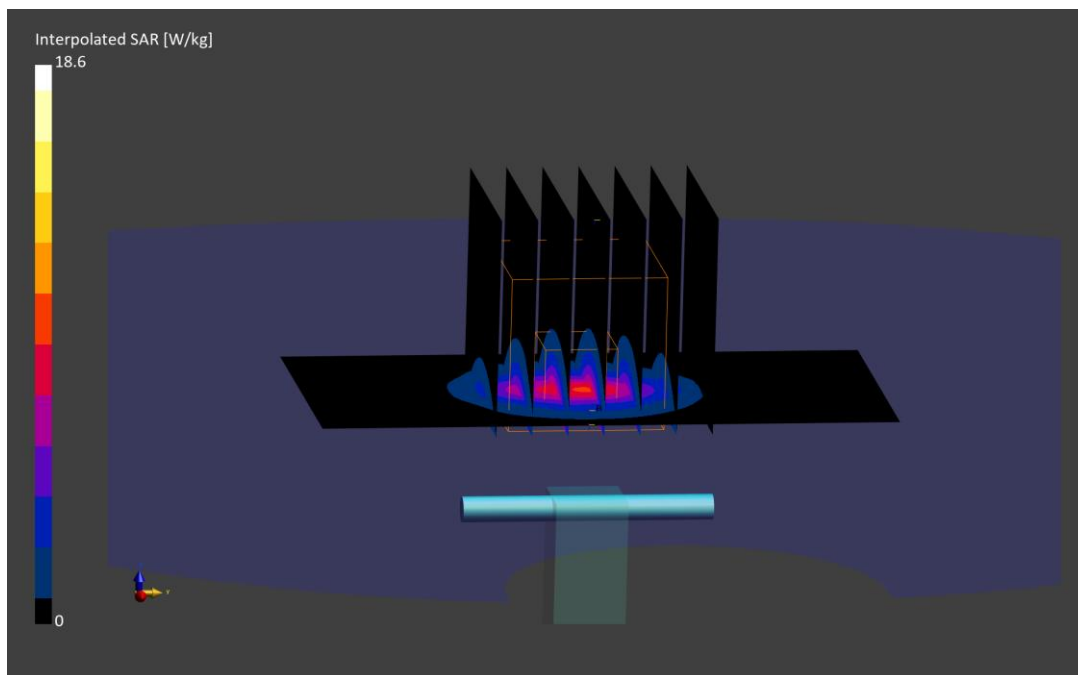
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 18.6 W/kg

**SAR(1 g) = 6.62 W/kg; SAR(10 g) = 2.36 W/kg**

Deviation (1 g) = 6.26%; Deviation (10 g) = 6.31%



# 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 = 3.64 S/m; perm = 48.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/30/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3837; ConvF:(6.04,6.04,6.04); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

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

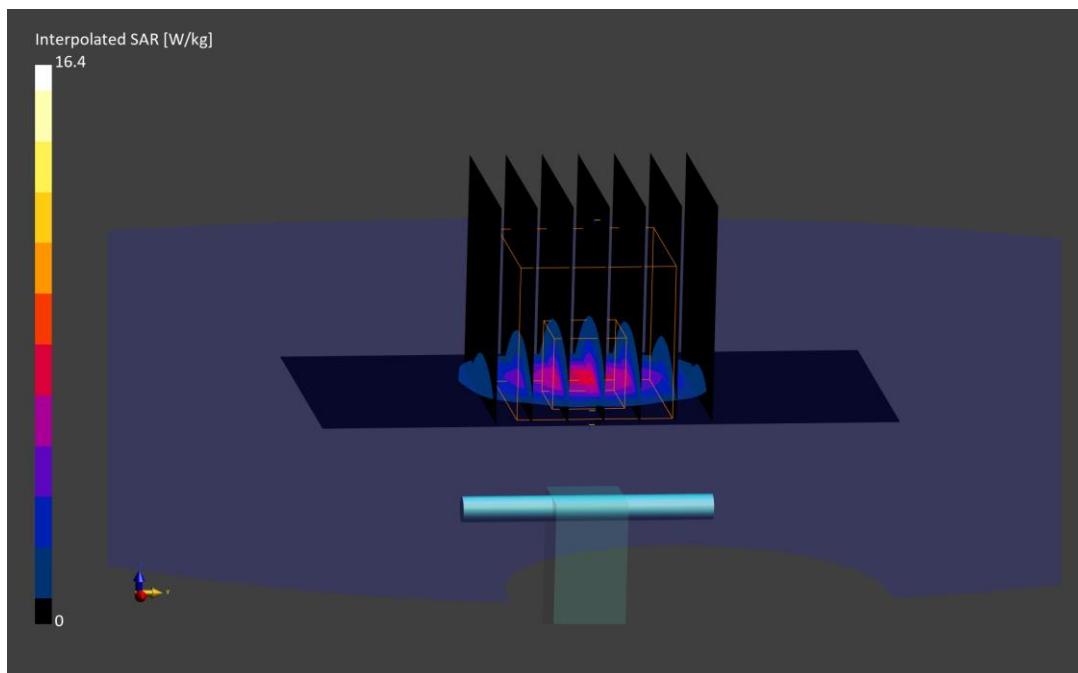
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 16.3 W/kg

**SAR(1 g) = 5.85 W/kg; SAR(10 g) = 2.08 W/kg**

Deviation (1 g) = -6.10%; Deviation (10 g) = -6.31%;



# 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 = 49.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/03/2023; Ambient Temp: 21.5°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN3837; ConvF:(6.04,6.04,6.04); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

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

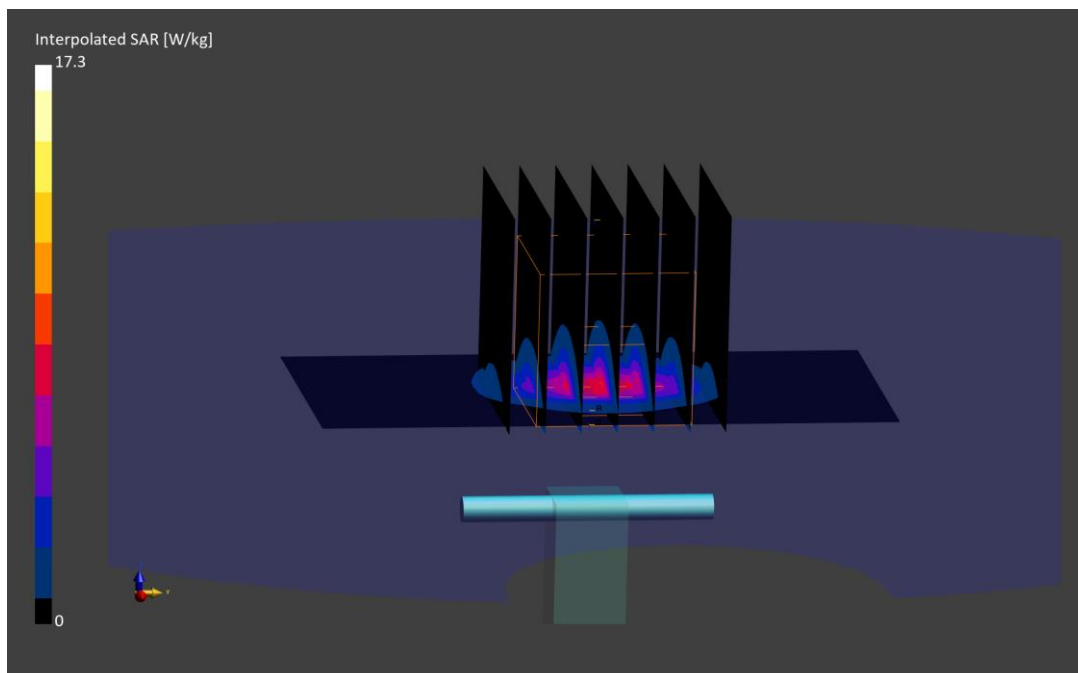
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 17.3 W/kg

**SAR(1 g) = 6.25 W/kg; SAR(10 g) = 2.25 W/kg**

Deviation (1 g) = 0.32%; Deviation (10 g) = 1.35%;



# 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 = 3.62 S/m; perm = 48.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/05/2023; Ambient Temp: 22.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3837; ConvF:(6.04,6.04,6.04); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

## 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) = 18.2 W/kg

**SAR(1 g) = 6.54 W/kg; SAR(10 g) = 2.35 W/kg**

Deviation (1 g) = 4.98%; Deviation (10 g) = 5.86%;



# 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 = 3.62 S/m; perm = 48.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/31/2023; Ambient Temp: 20.1 °C; Tissue Temp: 20.3 °C

Probe: EX3DV4 - SN3837; ConvF:(6.04,6.04,6.04); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

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

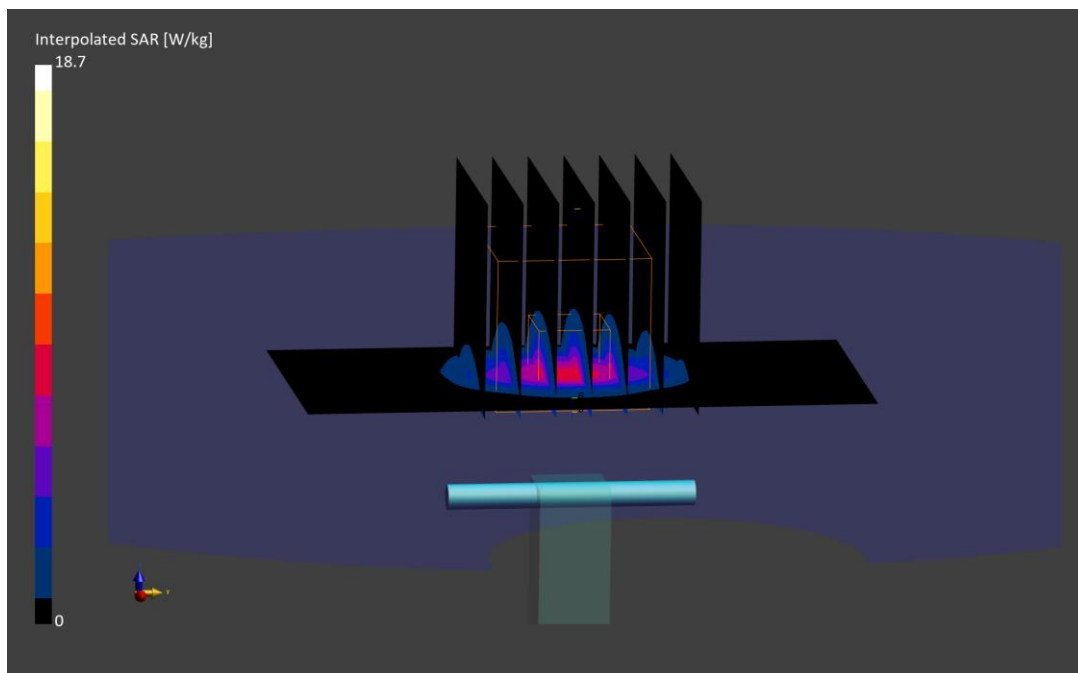
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 18.7 W/kg

**SAR(1 g) = 6.71 W/kg; SAR(10 g) = 2.43 W/kg**

Deviation (1 g) = 7.70%; Deviation (10 g) = 9.46%



# ELEMENT

**DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1062**

Communication System: UID: 0, CW; Frequency: 3900.0 MHz  
Medium: 3600 Body; Medium parameters used:  
f = 3900.0 MHz; cond = 3.84 S/m; perm = 49.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/27/2023; Ambient Temp: 20.2°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3837; ConvF:(5.98,5.98,5.98); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

## 3900 MHz System Verification at 20 dBm (100 mW)

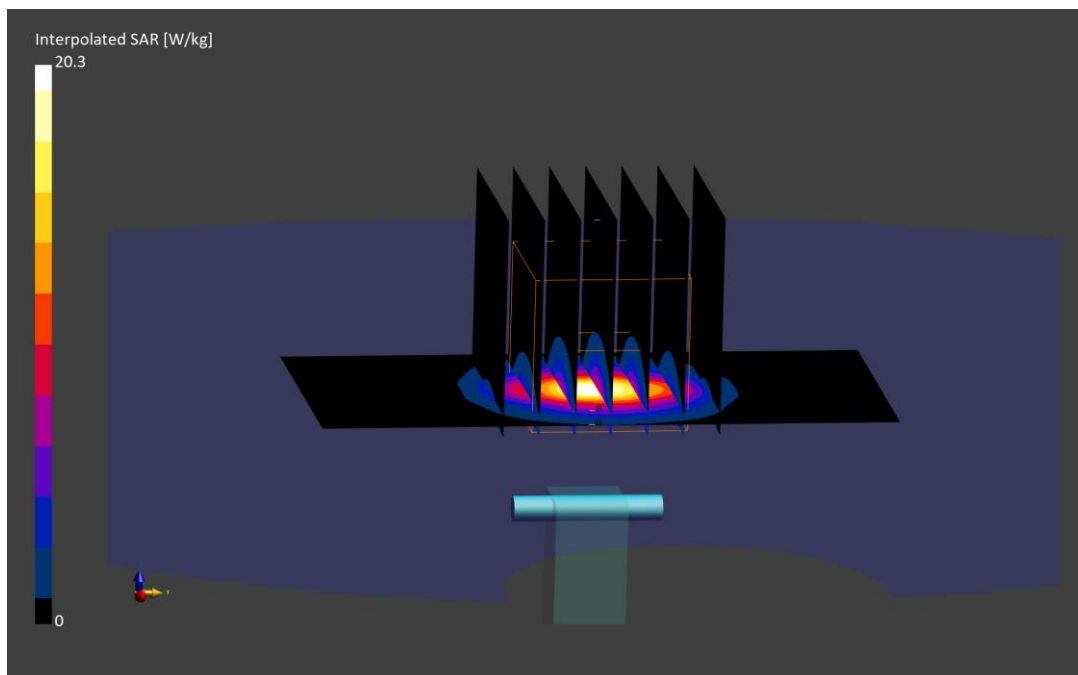
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 20.3 W/kg

**SAR(1 g) = 6.85 W/kg; SAR(10 g) = 2.34 W/kg**

Deviation (1 g) = 3.32%; Deviation (10 g) = 1.3%



# ELEMENT

**DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1062**

Communication System: UID: 0, CW; Frequency: 3900.0 MHz  
Medium: 3600 Body; Medium parameters used:  
f = 3900.0 MHz; cond = 3.88 S/m; perm = 48.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 03/30/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3837; ConvF:(5.98,5.98,5.98); Calibrated: 2023-01-17  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn793; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 1944  
Measurement SW: DASY Module SAR V16.2.0.1425

## 3900 MHz System Verification at 20 dBm (100 mW)

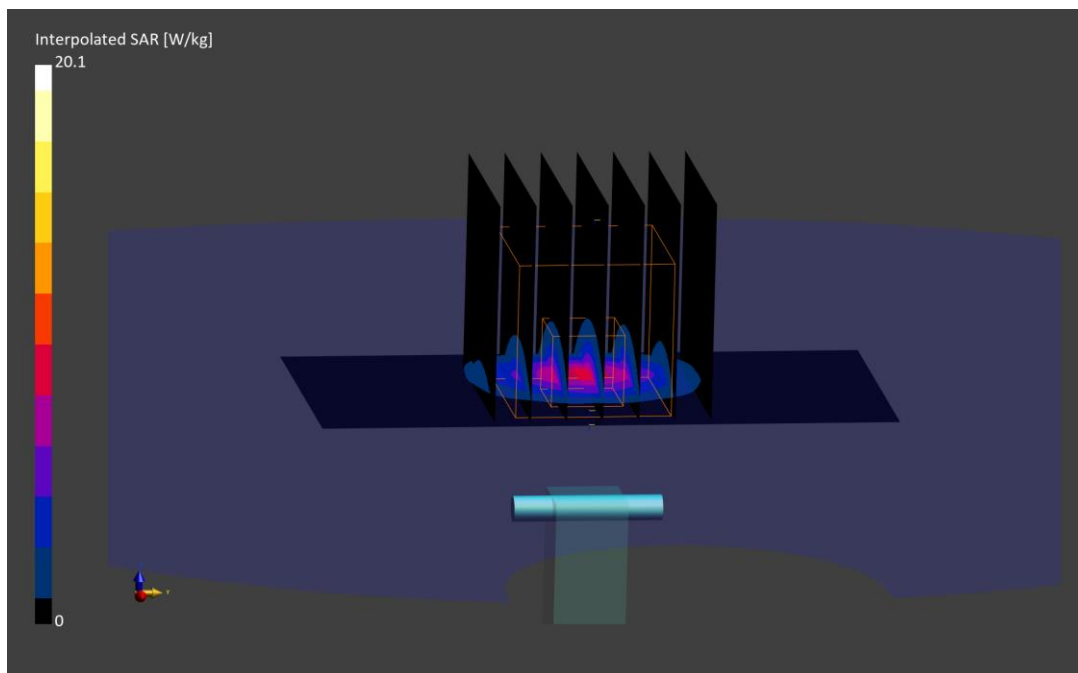
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 20.1 W/kg

**SAR(1 g) = 6.77 W/kg; SAR(10 g) = 2.30 W/kg**

Deviation (1 g) = 2.11%; Deviation (10 g) = -0.43%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 5250.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5250.0 MHz; cond = 5.44 S/m; perm = 47.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/27/2023; Ambient Temp: 22.8°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7570; ConvF:(4.89,4.89,4.89); Calibrated: 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 2060  
Measurement SW: DASY Module SAR V16.2.0.1425

## 5250 MHz System Verification at 17 dBm (50 mW)

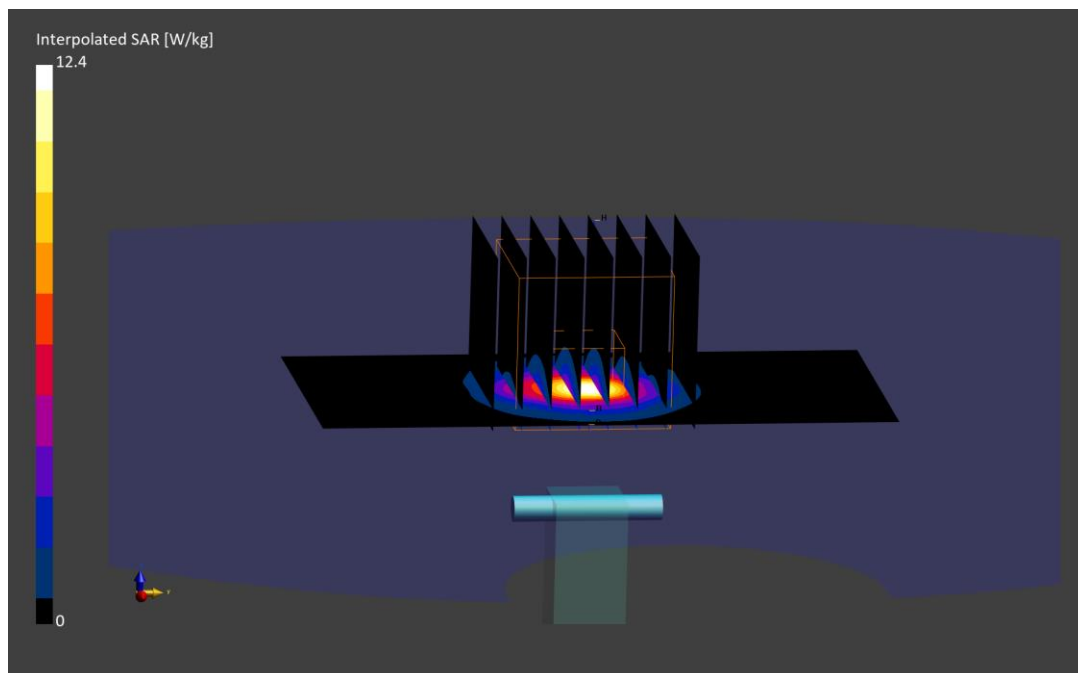
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 12.7 W/kg

**SAR(1 g) = 3.38 W/kg; SAR(10 g) = 0.958 W/kg**

Deviation (1 g) = -9.38%; Deviation (10 g) = -7.44%;





# ELEMENT

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

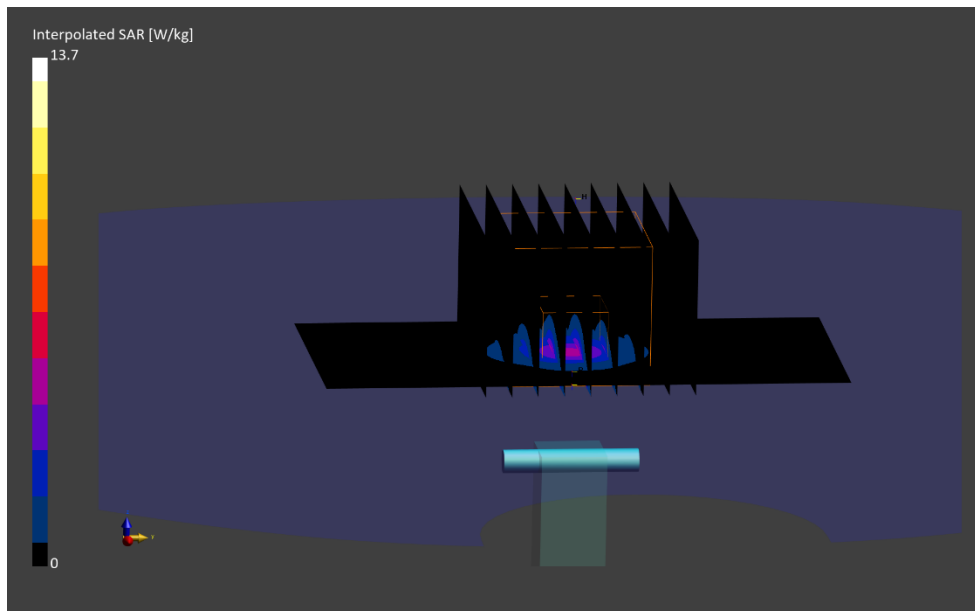
Communication System: UID: 0, CW; Frequency: 5250.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5250.0 MHz; cond = 5.40 S/m; perm = 47.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/06/2023; Ambient Temp: 22.7°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7417; ConvF:(4.96,4.96,4.96); Calibrated: 2023-02-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn665; Calibrated: 2023-02-15  
Phantom: Twin-SAM V5.0; Serial: 1757  
Measurement SW: DASY Module SAR V16.2.0.1425

## 5250 MHz System Verification at 17 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) = 13.7 W/kg  
**SAR(1 g) = 3.47 W/kg; SAR(10 g) = 0.968 W/kg**  
Deviation (1 g) = -6.97%; Deviation (10 g) = -6.47%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 5600.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5600.0 MHz; cond = 5.96 S/m; perm = 47.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/27/2023; Ambient Temp: 22.8°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7570; ConvF:(4.33,4.33,4.33); Calibrated: 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 2060  
Measurement SW: DASY Module SAR V16.2.0.1425

## 5600 MHz System Verification at 17 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) = 14.8 W/kg

**SAR(1 g) = 3.65 W/kg; SAR(10 g) = 1.03 W/kg**

Deviation (1 g) = -7.12%; Deviation (10 g) = -5.50%;



# ELEMENT

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

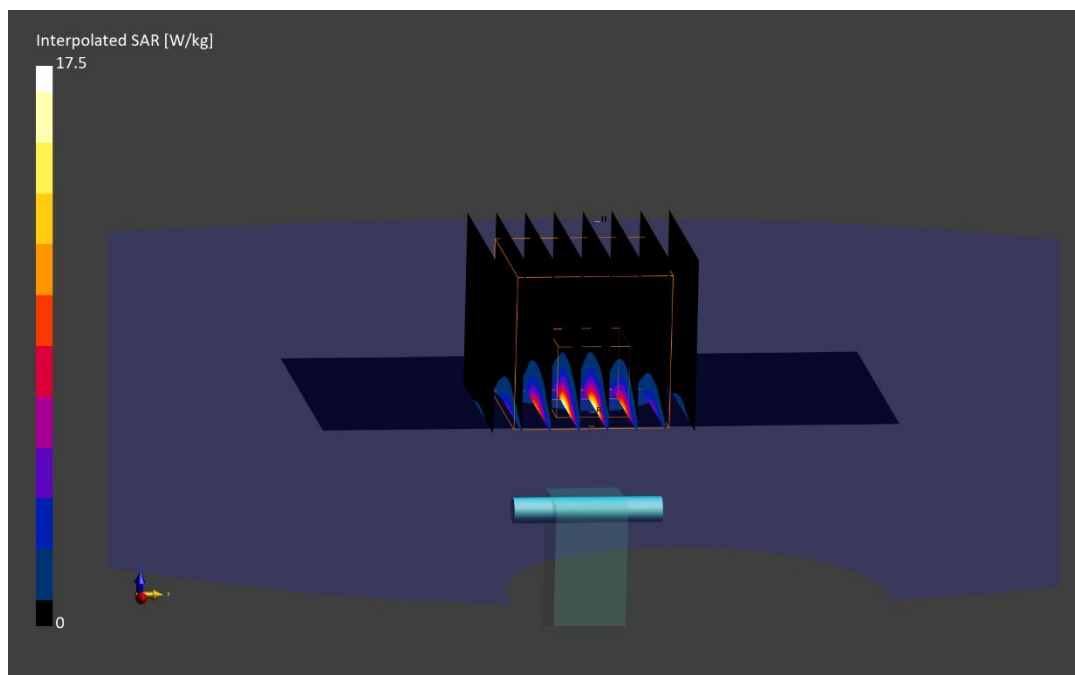
Communication System: UID: 0, CW; Frequency: 5600.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5600.0 MHz; cond = 5.90 S/m; perm = 47.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/06/2023; Ambient Temp: 22.7°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7417; ConvF:(4.37,4.37,4.37); Calibrated: 2023-02-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn665; Calibrated: 2023-02-15  
Phantom: Twin-SAM V5.0; Serial: 1757  
Measurement SW: DASY Module SAR V16.2.0.1425

## 5600 MHz System Verification at 17 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) = 17.5 W/kg  
**SAR(1 g) = 4.13 W/kg; SAR(10 g) = 1.17 W/kg**  
Deviation (1 g) = 5.09%; Deviation (10 g) 7.34%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 5750.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5750.0 MHz; cond = 6.18 S/m; perm = 46.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/27/2023; Ambient Temp: 22.8°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7570; ConvF:(4.39,4.39,4.39); Calibrated: 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 2060  
Measurement SW: DASY Module SAR V16.2.0.1425

## 5750 MHz System Verification at 17 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) = 14.3 W/kg

**SAR(1 g) = 3.41 W/kg; SAR(10 g) = 0.958 W/kg**

Deviation (1 g) = -8.95%; Deviation (10 g) = -7.44%;



# ELEMENT

**DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1057**

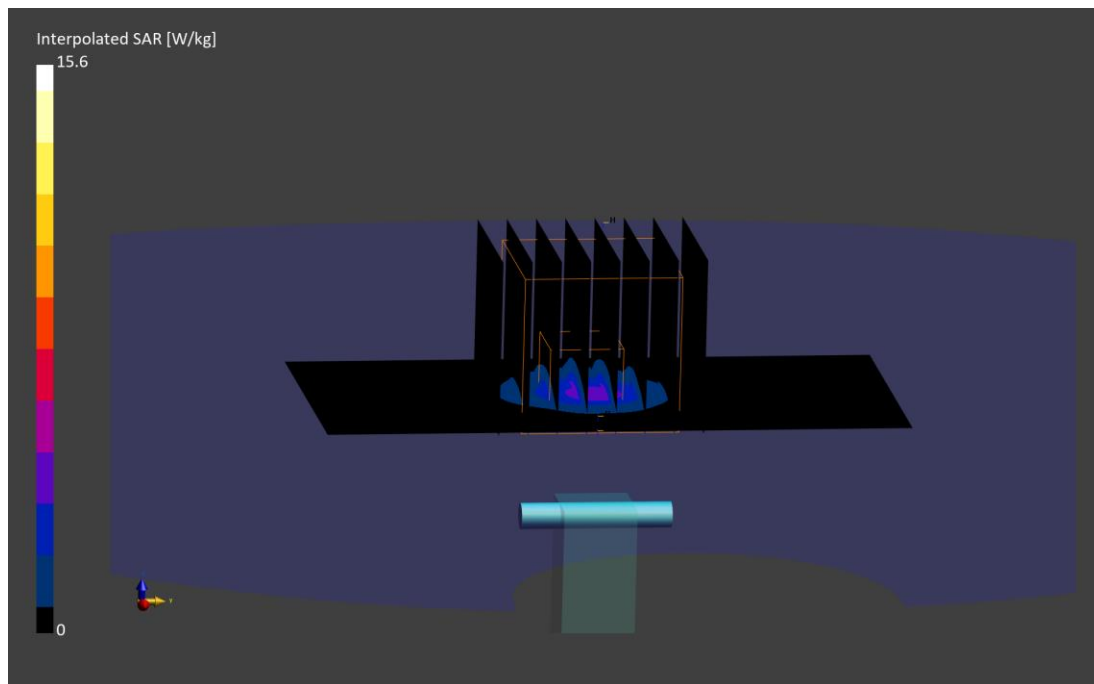
Communication System: UID: 0, CW; Frequency: 5750.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5750.0 MHz; cond = 6.13 S/m; perm = 46.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/06/2023; Ambient Temp: 22.7°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7417; ConvF:(4.45,4.45,4.45); Calibrated: 2023-02-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn665; Calibrated: 2023-02-15  
Phantom: Twin-SAM V5.0; Serial: 1757  
Measurement SW: DASY Module SAR V16.2.0.1425

## 5750 MHz System Verification at 17 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) = 3.54 W/kg; SAR(10 g) = 0.996 W/kg**  
Deviation (1 g) = -5.47%; Deviation (10 g) = -3.77%;



# ELEMENT

**DUT: Dipole 5800.0 MHz; Type: D5GHzV2 - SN1191**

Communication System: UID: 0, CW; Frequency: 5800.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5800.0 MHz; cond = 6.26 S/m; perm = 46.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/27/2023; Ambient Temp: 22.8°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7570; ConvF:(4.39,4.39,4.39); Calibrated: 2023-01-11  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17  
Phantom: Twin-SAM V8.0; Serial: 2060  
Measurement SW: DASY Module SAR V16.2.0.1425

## 5800 MHz System Verification at 17 dBm (50 mW)

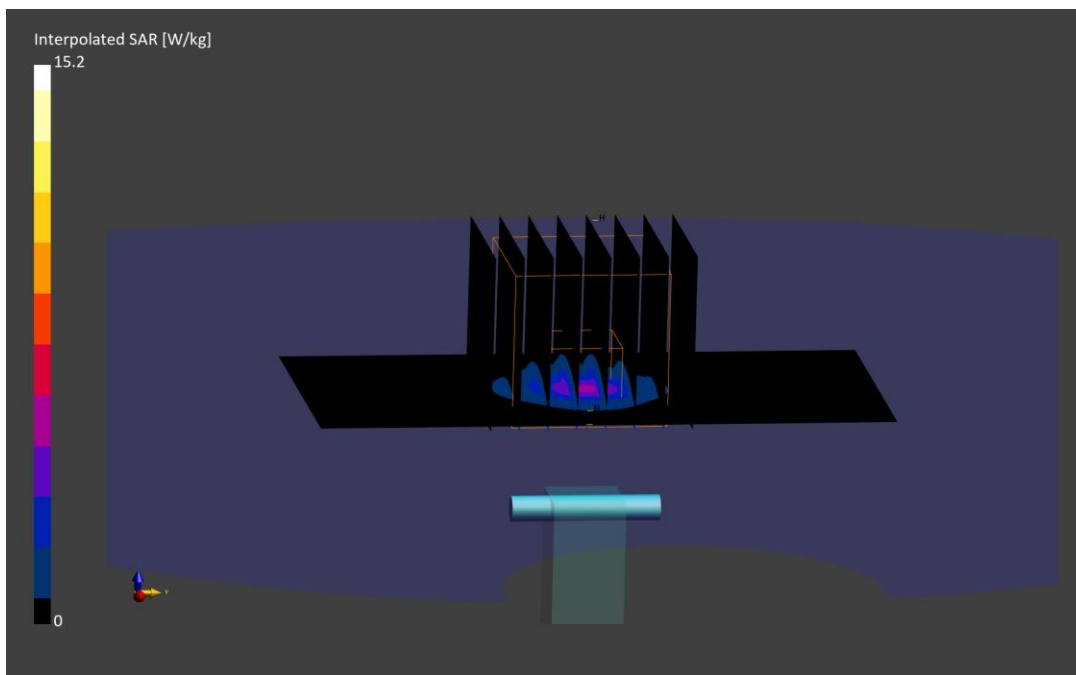
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 15.2 W/kg

**SAR(1 g) = 3.59 W/kg; SAR(10 g) = 1.01 W/kg**

Deviation (1 g) = -0.55%; Deviation (10 g) = 1.00%;



# ELEMENT

**DUT: Dipole 5800.0 MHz; Type: D5GHzV2 - SN1057**

Communication System: UID: 0, CW; Frequency: 5800.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5800.0 MHz; cond = 6.19 S/m; perm = 46.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/06/2023; Ambient Temp: 22.7°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7417; ConvF:(4.32,4.32,4.32); Calibrated: 2023-02-08  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn665; Calibrated: 2023-02-15  
Phantom: Twin-SAM V5.0; Serial: 1757  
Measurement SW: DASY Module SAR V16.2.0.1425

## 5800 MHz System Verification at 17 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) = 17.0 W/kg  
**SAR(1 g) = 3.55 W/kg; SAR(10 g) = 0.979 W/kg**  
Deviation (1 g) -5.08%; Deviation (10 g) = -4.49%;

