

## 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: 23.0°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)

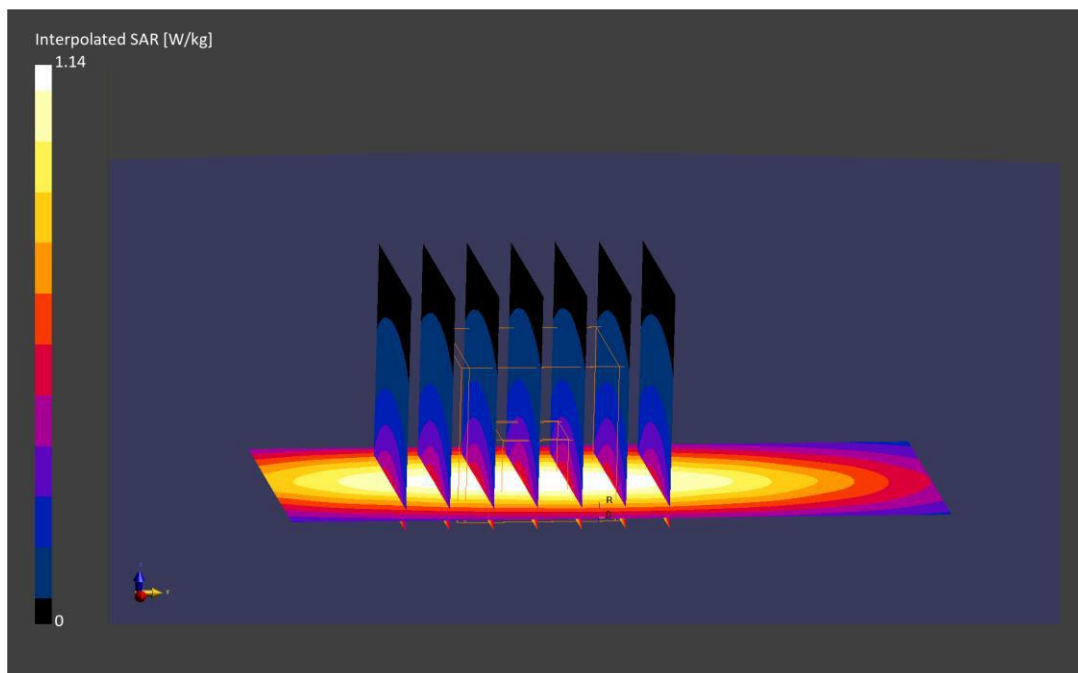
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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: Dipole 750 MHz; Type: D750V3; Serial: 1046**

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$ ;  $\sigma = 0.879 \text{ S/m}$ ;  $\epsilon_r = 42.715$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/03/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7640; ConvF(10.91, 10.91, 10.91) @ 750 MHz; Calibrated: 2/10/2023

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1645; Calibrated: 2/16/2023

Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1937

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

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

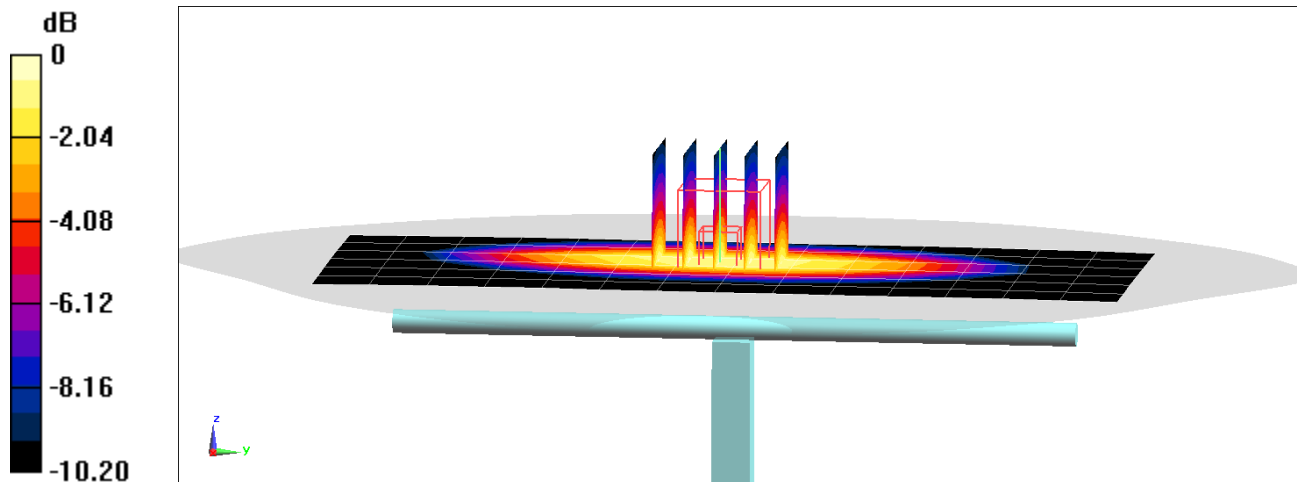
**Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.49 W/kg

**SAR(1 g) = 1.62 W/kg; SAR(10 g) = 1.07 W/kg**

Deviation(1 g) = -6.79%; Deviation(10 g) = -6.14%



# ELEMENT

**DUT: Dipole 835 MHz - SN4d180; Type: D835V2; Serial: 4d180**

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

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$ ;  $\sigma = 0.907 \text{ S/m}$ ;  $\epsilon_r = 42.489$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/03/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7640; ConvF(10.56, 10.56, 10.56) @ 835 MHz; Calibrated: 2/10/2023

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1645; Calibrated: 2/16/2023

Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1937

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

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

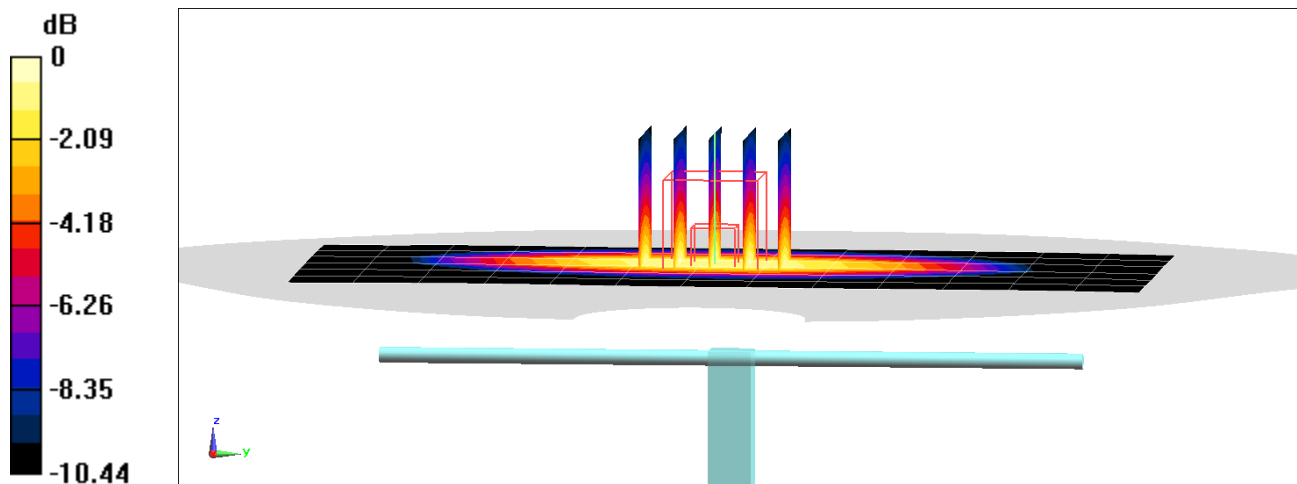
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.93 W/kg

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

Deviation(1 g) = -1.03%; Deviation(10 g) = -0.31%



0 dB = 2.59 W/kg = 4.13 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)

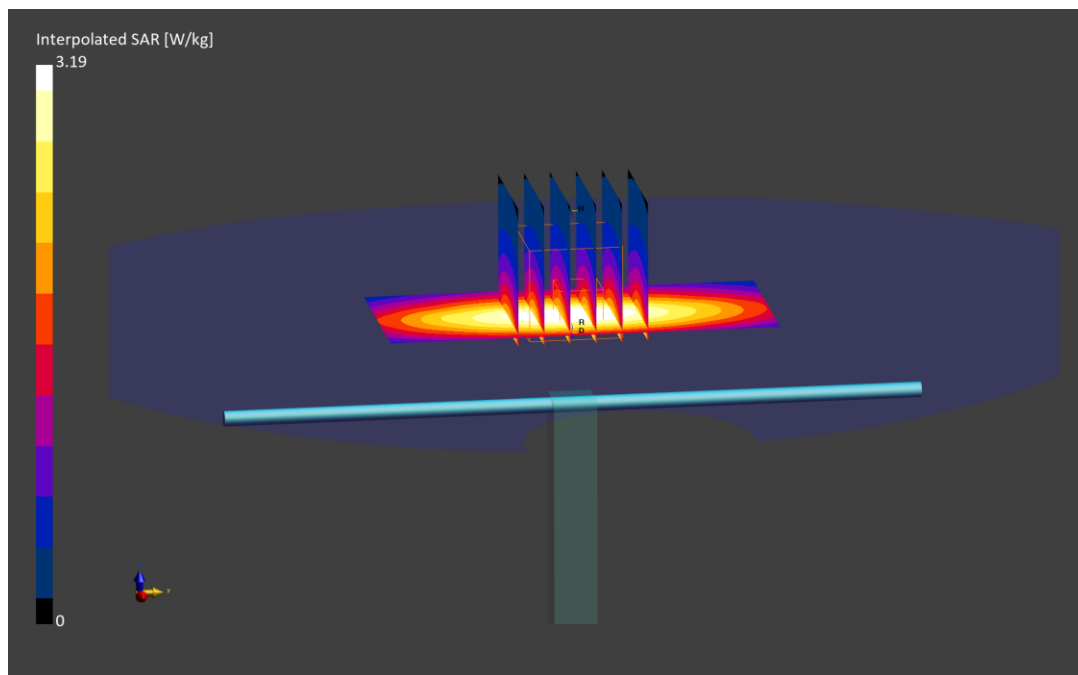
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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 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 = 0.915 S/m; perm = 43.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

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

Probe: EX3DV4 - SN7406; ConvF:(9.86,9.86,9.86); 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)

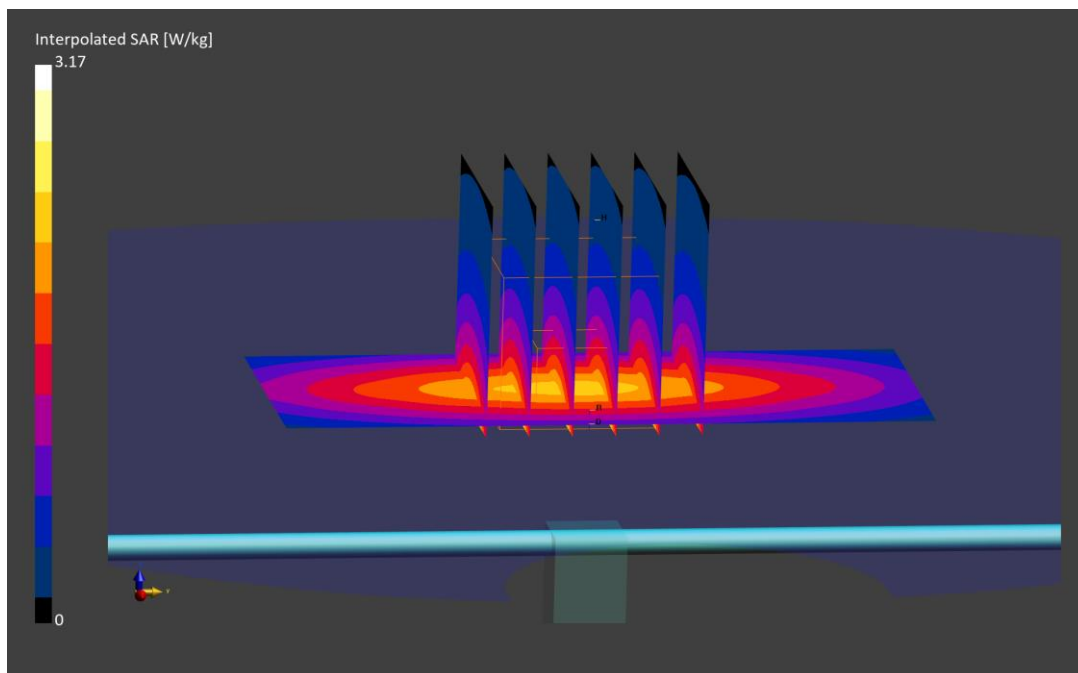
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 3.17 W/kg

**SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.26 W/kg**

Deviation (1 g) = 0.41%; Deviation (10 g) = 0.48%



# 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 = 1.38 S/m; perm = 38.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/07/2023; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7410; ConvF:(8.34,8.34,8.34); 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

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

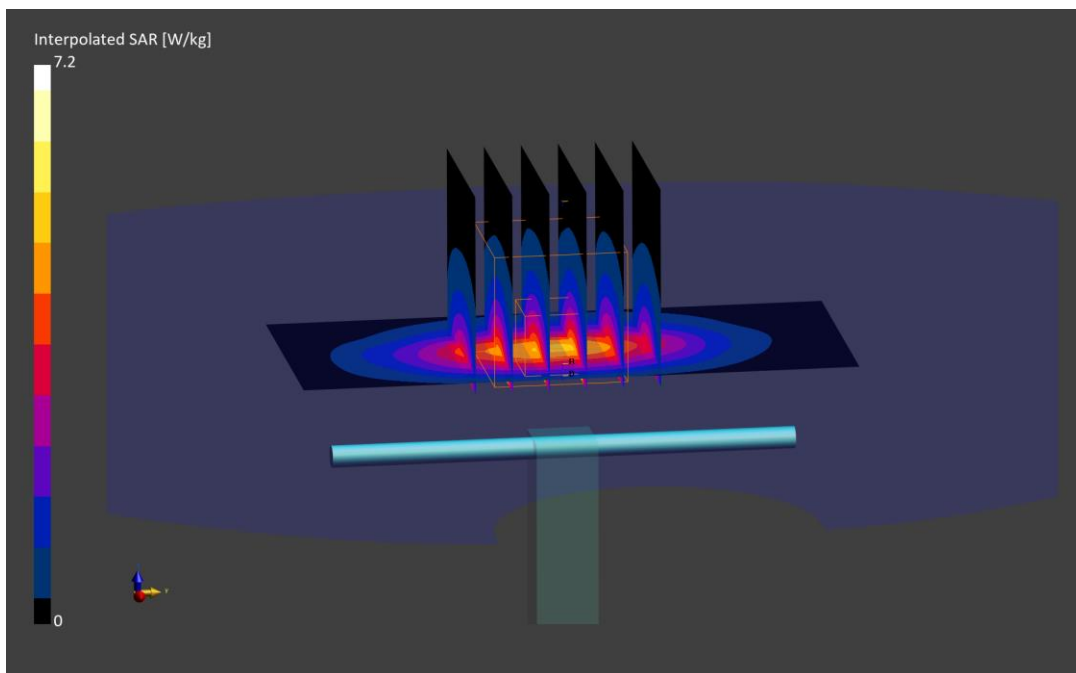
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.20 W/kg

**SAR(1 g) = 3.89 W/kg; SAR(10 g) = 2.06 W/kg**

Deviation (1 g) = 4.57%; Deviation (10 g) = 6.19%



# 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 = 1.32 S/m; perm = 41.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/07/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.1°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)

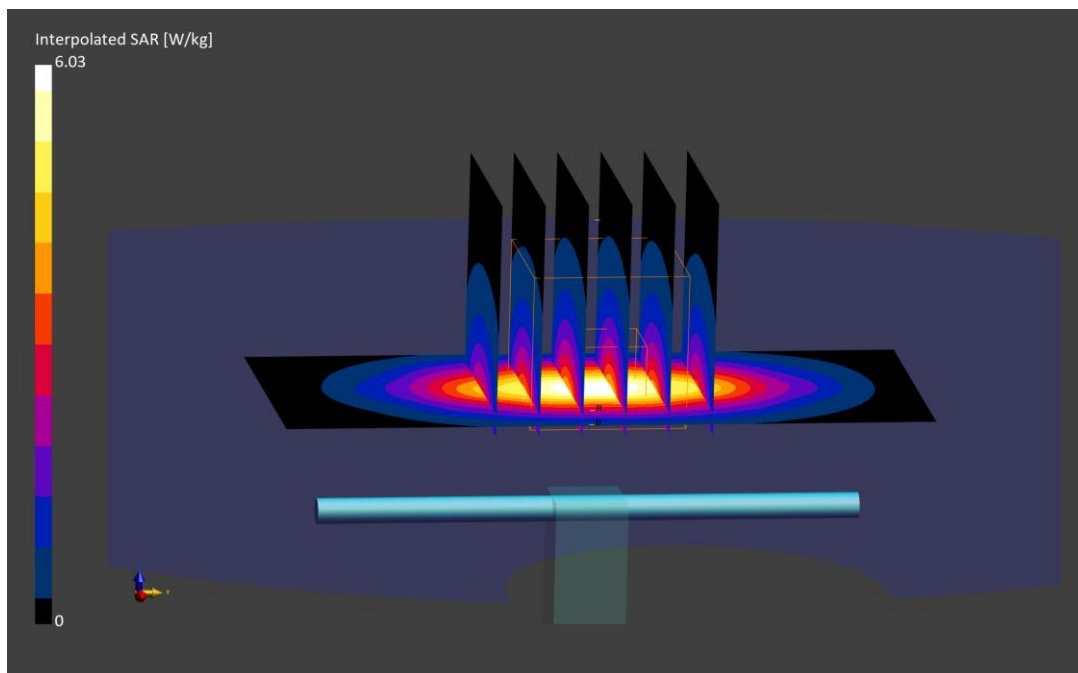
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 6.03 W/kg

**SAR(1 g) = 3.37 W/kg; SAR(10 g) = 1.81 W/kg**

Deviation (1 g) = -7.16%; Deviation (10 g) = -5.24%;





# 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 = 1.31 S/m; perm = 40.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/13/2023; Ambient Temp: 21.6°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7410; ConvF:(8.34,8.34,8.34); 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

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

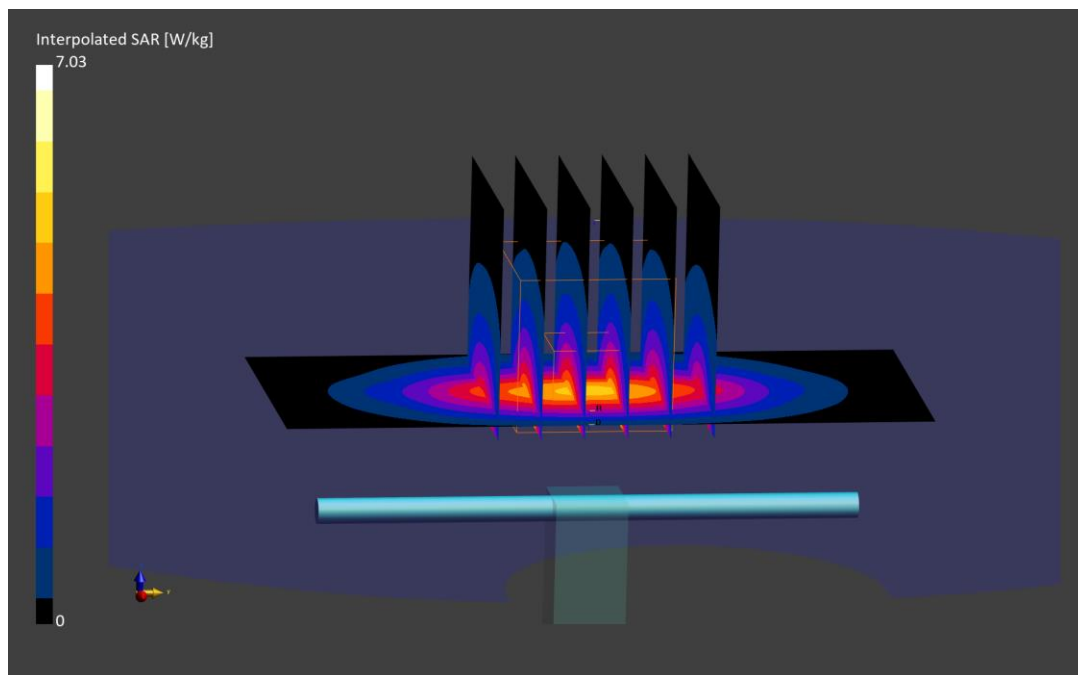
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.03 W/kg

**SAR(1 g) = 3.87 W/kg; SAR(10 g) = 2.08 W/kg**

Deviation (1 g) = 4.03%; Deviation (10 g) = 7.22%



# 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 = 1.40 S/m; perm = 41.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/10/2023; Ambient Temp: 20.6°C; Tissue Temp: 21.0°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)

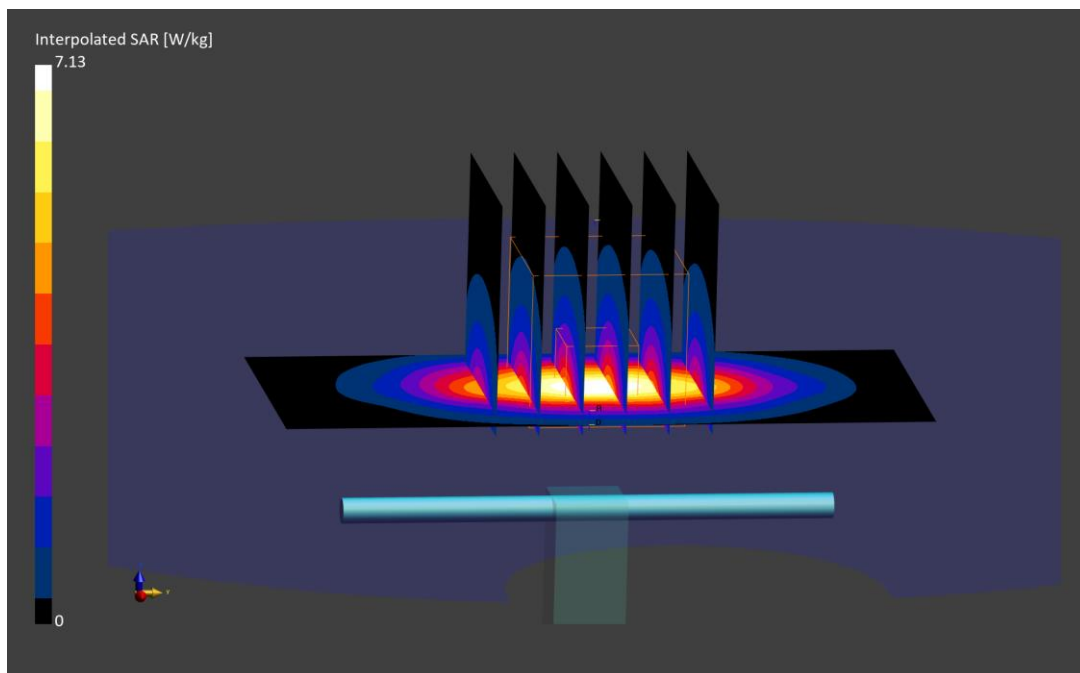
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 3.82 W/kg; SAR(10 g) = 1.99 W/kg**

Deviation (1 g) = -4.26%; Deviation (10 g) = -2.45%;



# 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)

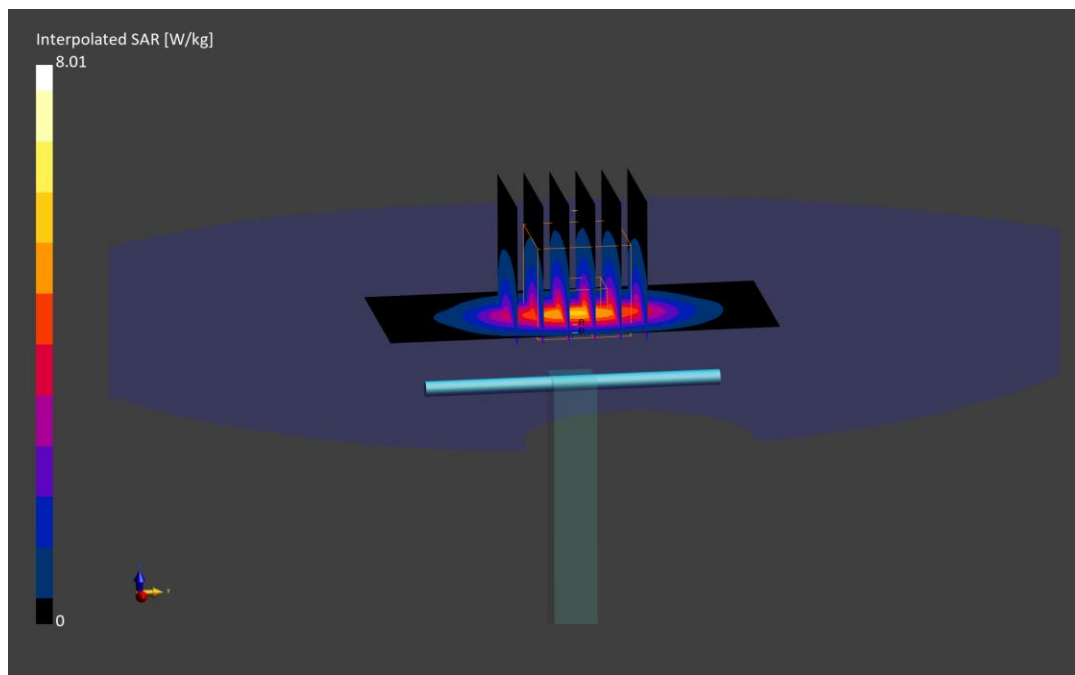
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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 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 = 1.46 S/m; perm = 41.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

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

Probe: EX3DV4 - SN7406; ConvF:(8.03,8.03,8.03); 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

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

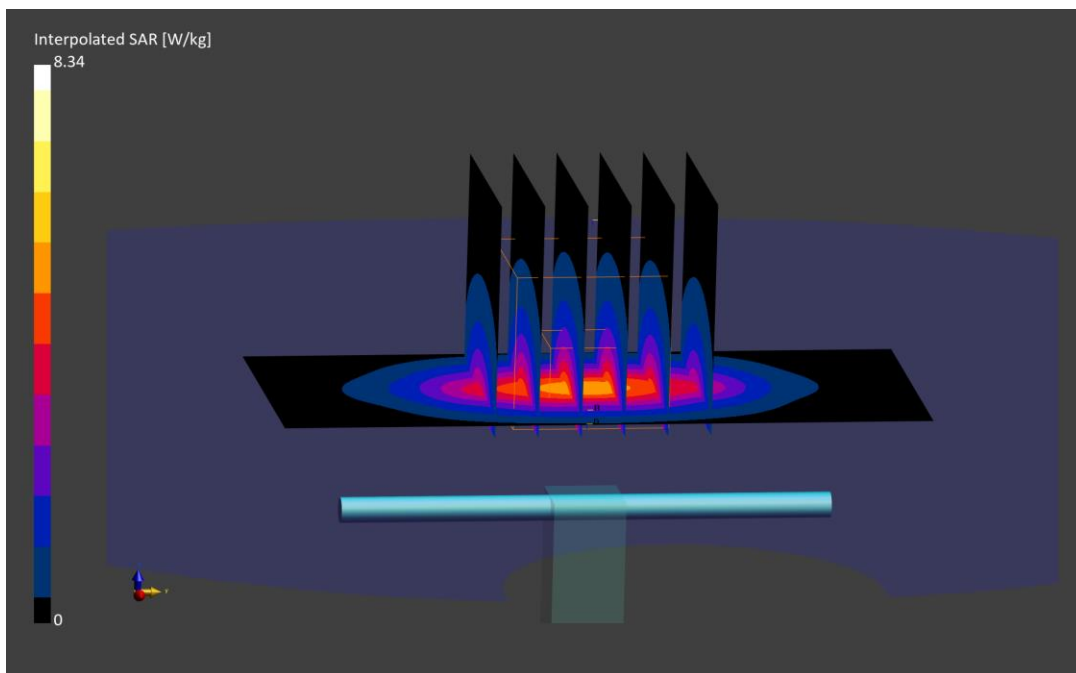
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 8.34 W/kg

**SAR(1 g) = 4.31 W/kg; SAR(10 g) = 2.23 W/kg**

Deviation (1 g) = 6.42%; Deviation (10 g) = 5.19%



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1900.0 MHz  
Medium: 1900 Head; Medium parameters used:  
f = 1900.0 MHz; cond = 1.40 S/m; perm = 39.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/12/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7570; ConvF:(8.28,8.28,8.28); 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)

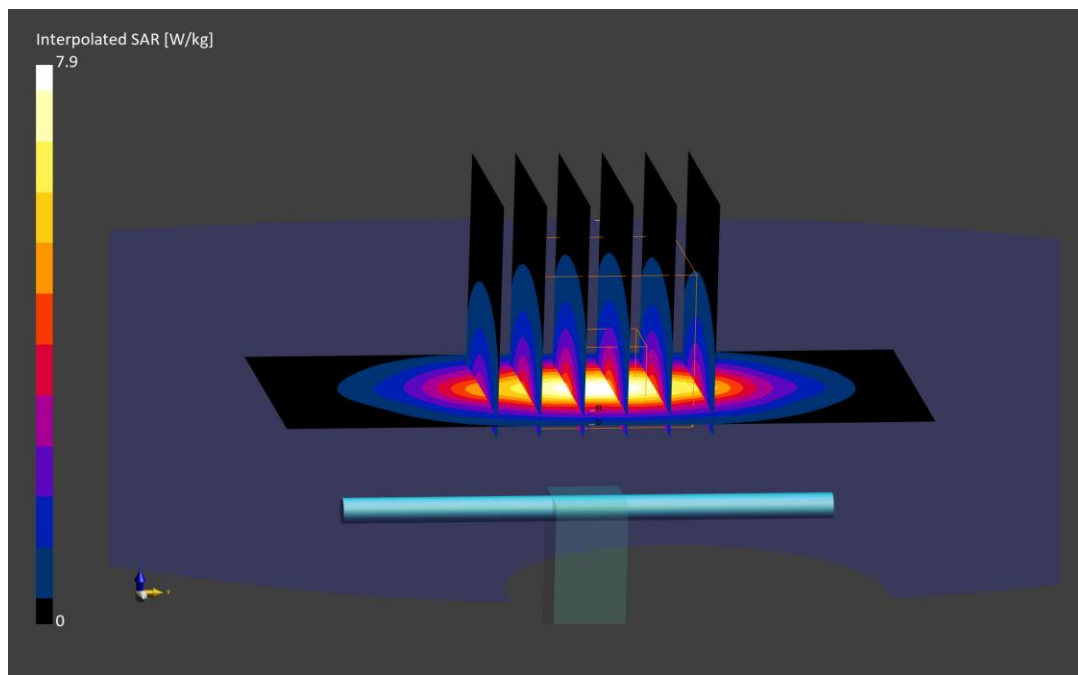
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.90 W/kg

**SAR(1 g) = 4.10 W/kg; SAR(10 g) = 2.12 W/kg**

Deviation (1 g) = 3.54%; Deviation (10 g) = 2.42%;



# 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: 22.0°C; Tissue Temp: 21.0°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)

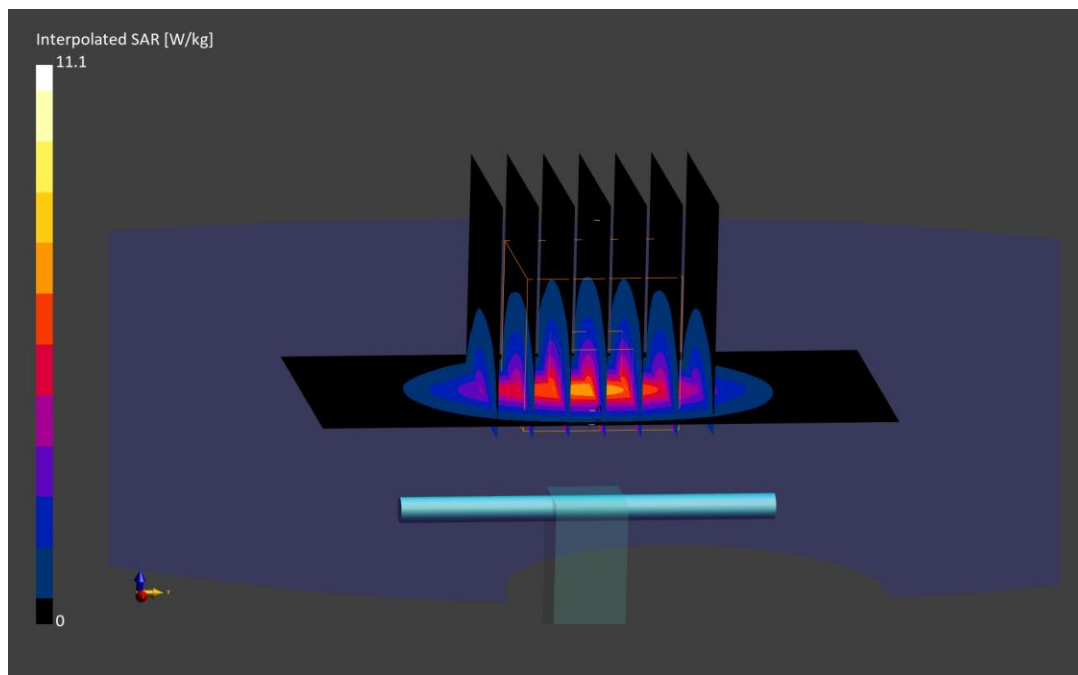
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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 = 1.78 S/m; perm = 39.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/08/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.7°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)

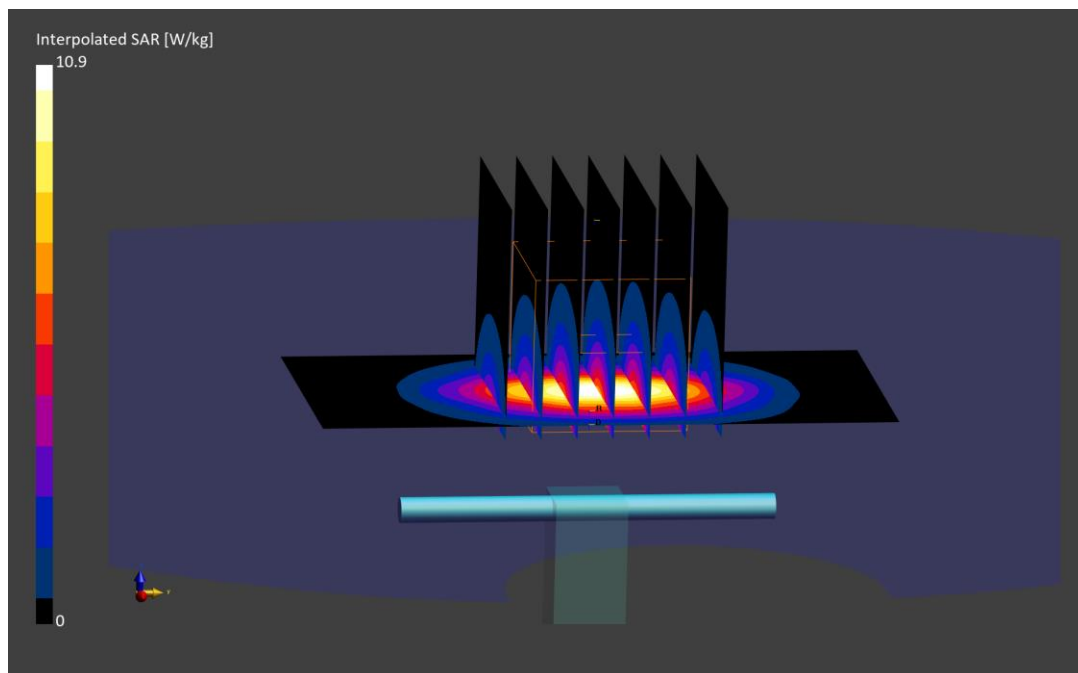
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 5.26 W/kg; SAR(10 g) = 2.46 W/kg**

Deviation (1 g) = 1.74%; Deviation (10 g) = 1.65%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2450.0 MHz; cond = 1.82 S/m; perm = 40.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/01/2023; Ambient Temp: 20.1 °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)

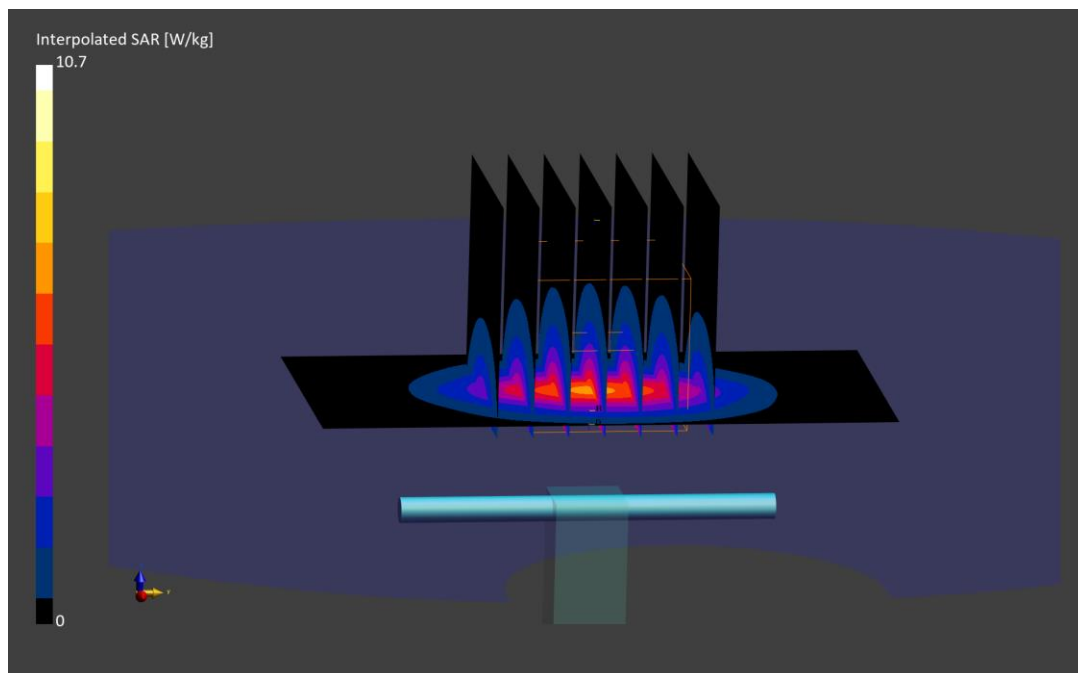
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 10.7 W/kg

**SAR(1 g) = 5.05 W/kg; SAR(10 g) = 2.33 W/kg**

Deviation (1 g) = -2.32%; Deviation (10 g) = -3.72%;





# 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)

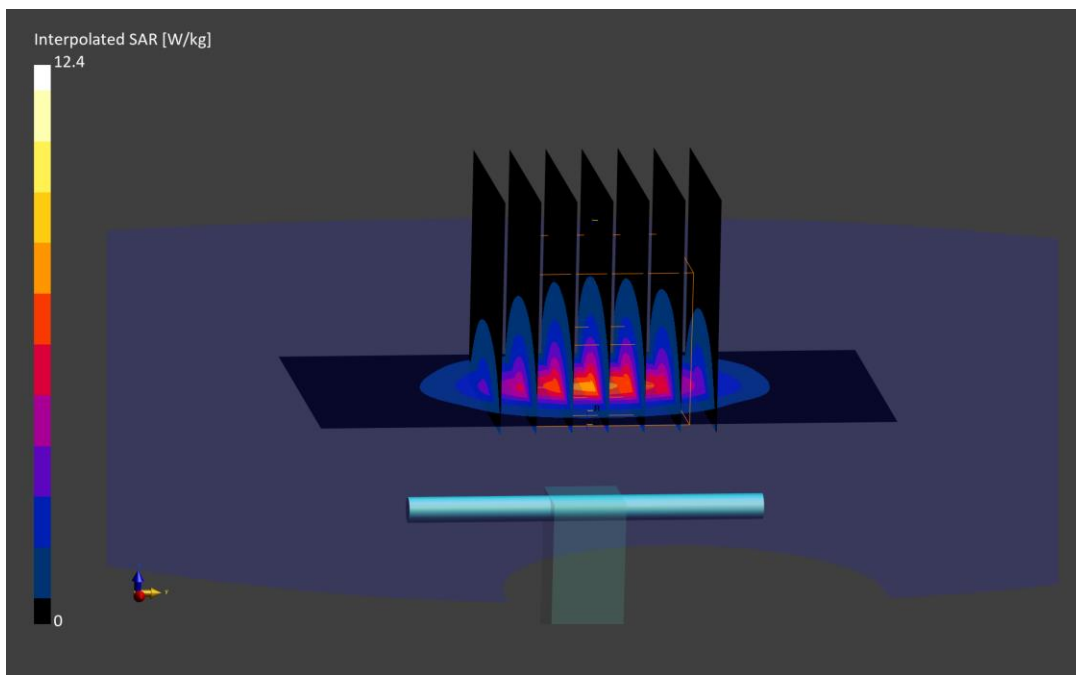
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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 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 = 39.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/08/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.7°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)

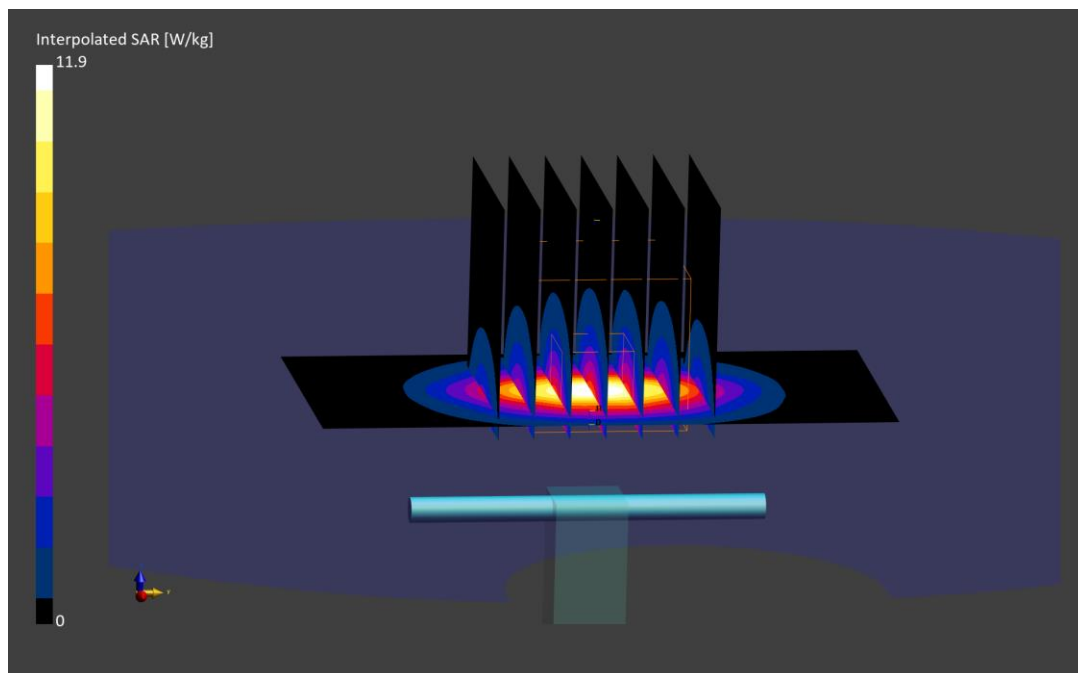
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 5.45 W/kg; SAR(10 g) = 2.46 W/kg**

Deviation (1 g) = -2.50%; Deviation (10 g) = -2.38%;



# 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 = 37.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/03/2023; Ambient Temp: 22.1 °C; Tissue Temp: 20.0 °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)

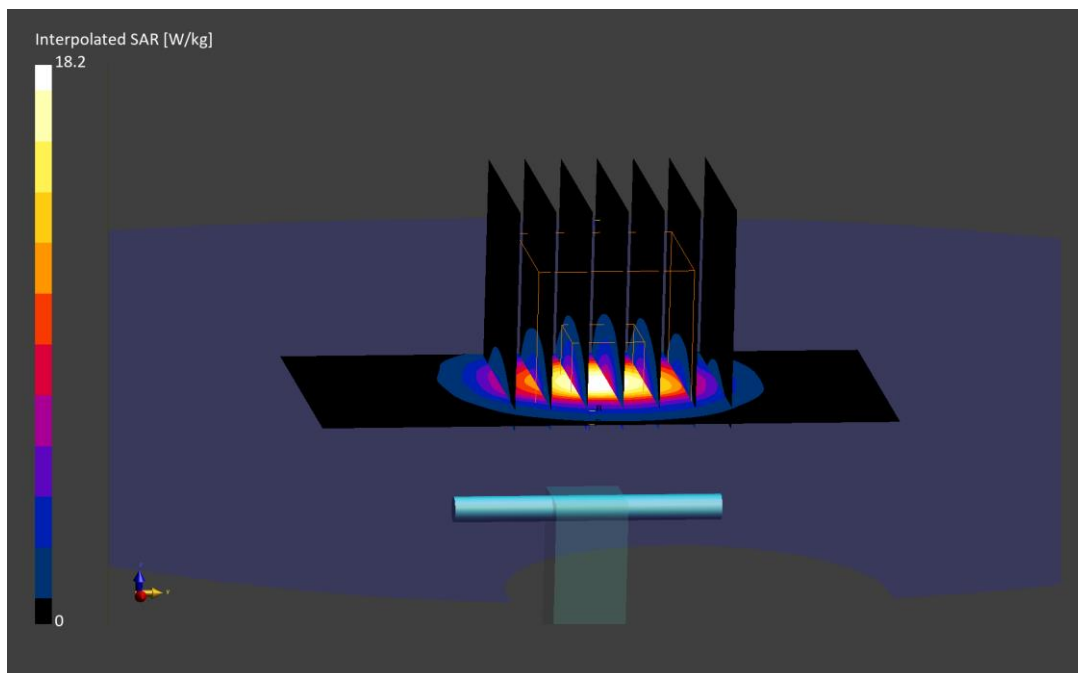
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 18.2 W/kg

**SAR(1 g) = 6.78 W/kg; SAR(10 g) = 2.56 W/kg**

Deviation (1 g) = 1.19%; Deviation (10 g) = 2.40%;



# 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 = 3.12 S/m; perm = 36.7; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/03/2023; Ambient Temp: 22.1 °C; Tissue Temp: 20.0 °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)

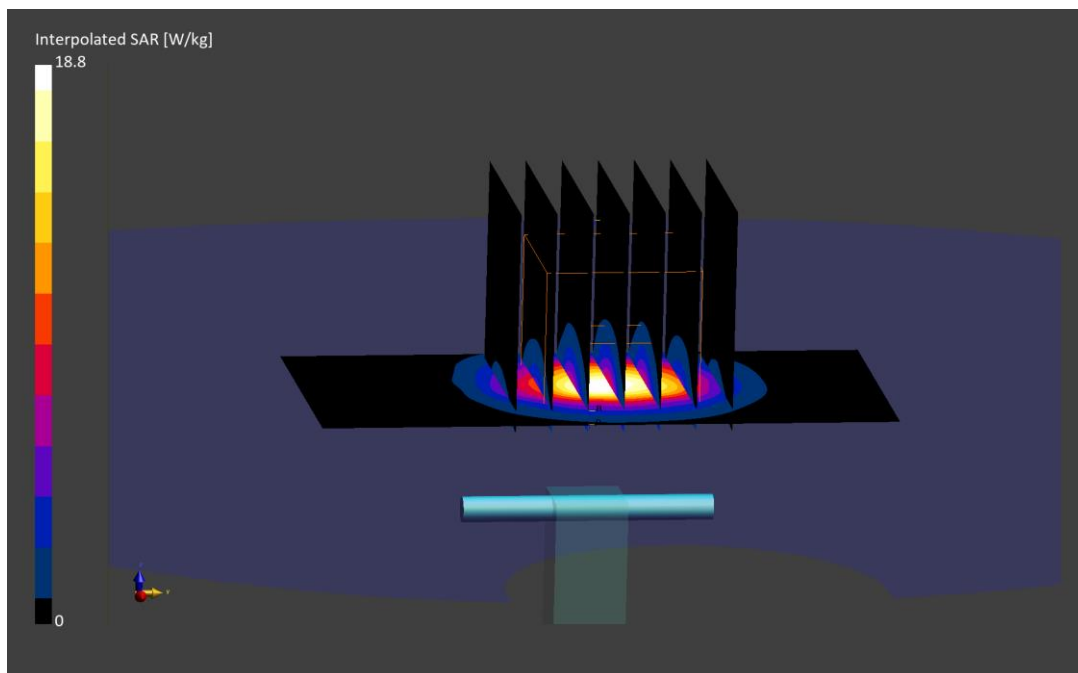
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 6.71 W/kg; SAR(10 g) = 2.46 W/kg**

Deviation (1 g) = -1.47%; Deviation (10 g) = 0.41%;



# 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 = 3.30 S/m; perm = 36.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/03/2023; Ambient Temp: 22.1 °C; Tissue Temp: 20.0 °C

Probe: EX3DV4 - SN7490; ConvF:(6.6,6.6,6.6); 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

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

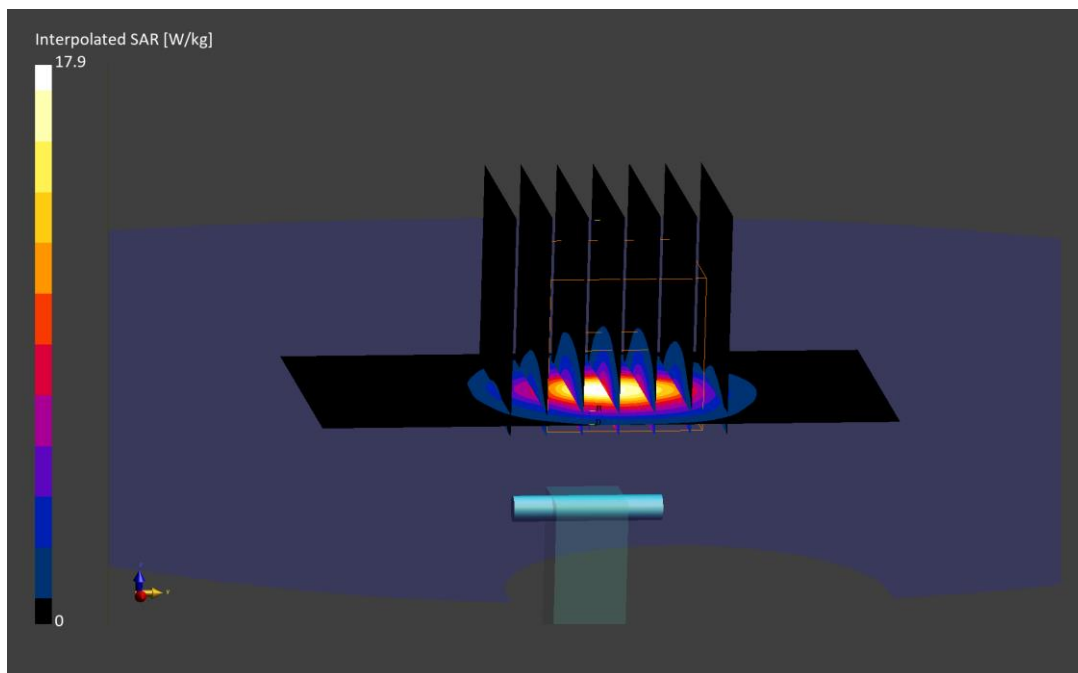
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 17.9 W/kg

**SAR(1 g) = 6.67 W/kg; SAR(10 g) = 2.35 W/kg**

Deviation (1 g) = -2.77%; Deviation (10 g) = -1.26%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 5250.0 MHz  
Medium: 5200-5800 Head; Medium parameters used:  
f = 5250.0 MHz; cond = 4.58 S/m; perm = 35.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/14/2023; Ambient Temp: 21.2°C; Tissue Temp: 21.2°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)

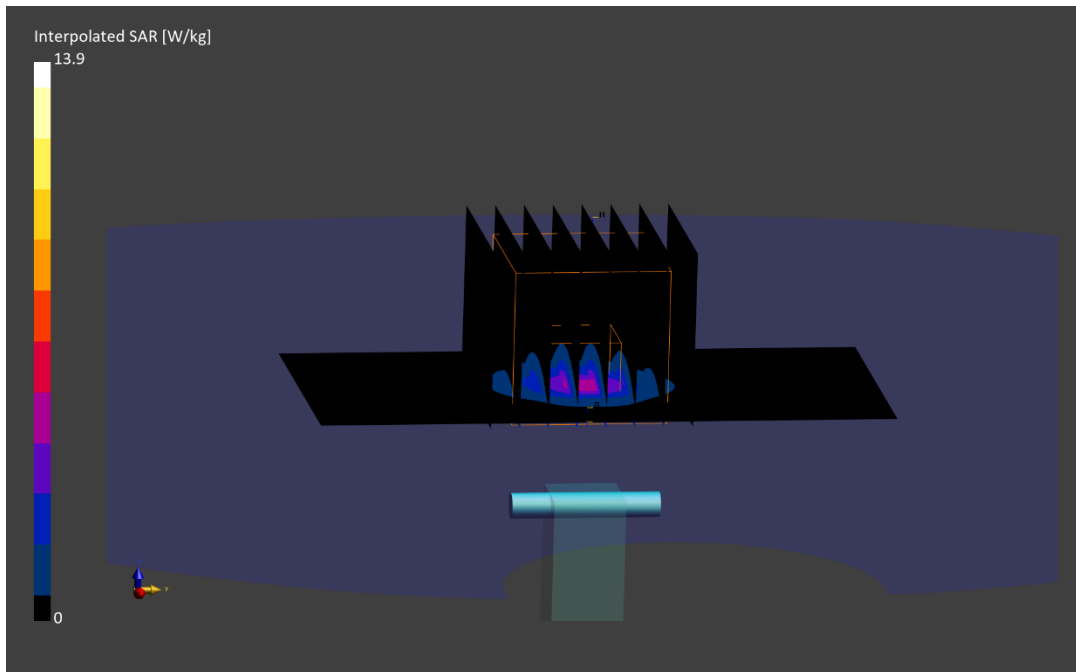
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 13.9 W/kg

**SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.05 W/kg**

Deviation (1 g) = -9.36%; Deviation (10 g) = -9.48%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 5600.0 MHz  
Medium: 5200-5800 Head; Medium parameters used:  
f = 5600.0 MHz; cond = 4.96 S/m; perm = 34.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/14/2023; Ambient Temp: 21.2°C; Tissue Temp: 21.2°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)

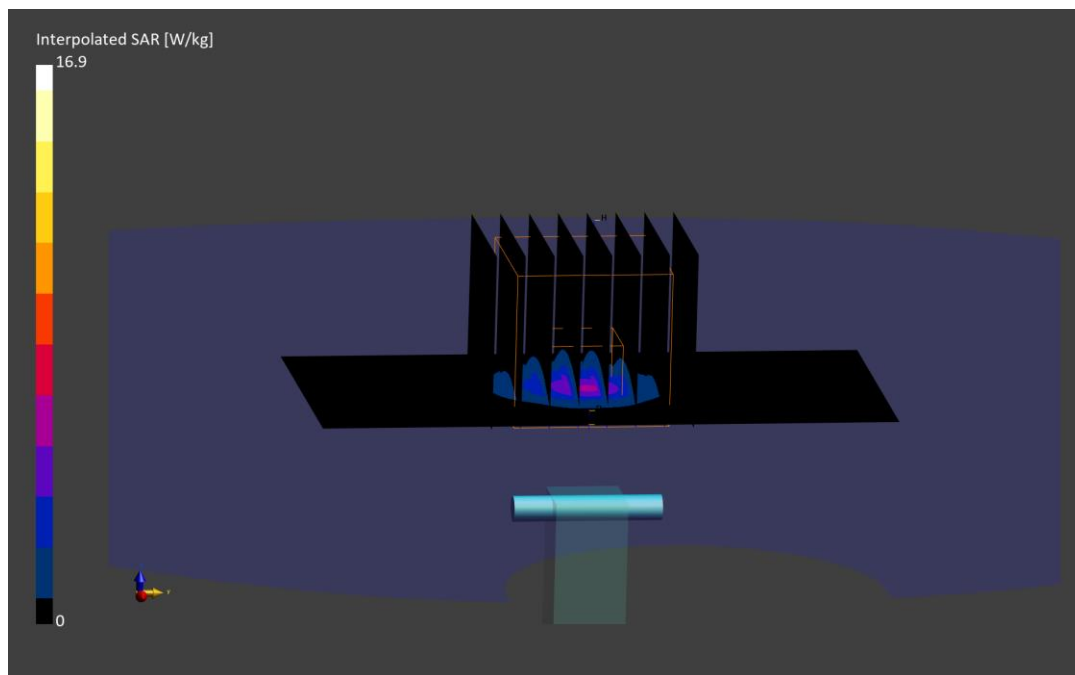
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 16.9 W/kg

**SAR(1 g) = 4.14 W/kg; SAR(10 g) = 1.19 W/kg**

Deviation (1 g) = -1.66%; Deviation (10 g) = -0.42%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 5750.0 MHz  
Medium: 5200-5800 Head; Medium parameters used:  
f = 5750.0 MHz; cond = 5.12 S/m; perm = 34.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/14/2023; Ambient Temp: 21.2°C; Tissue Temp: 21.2°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)

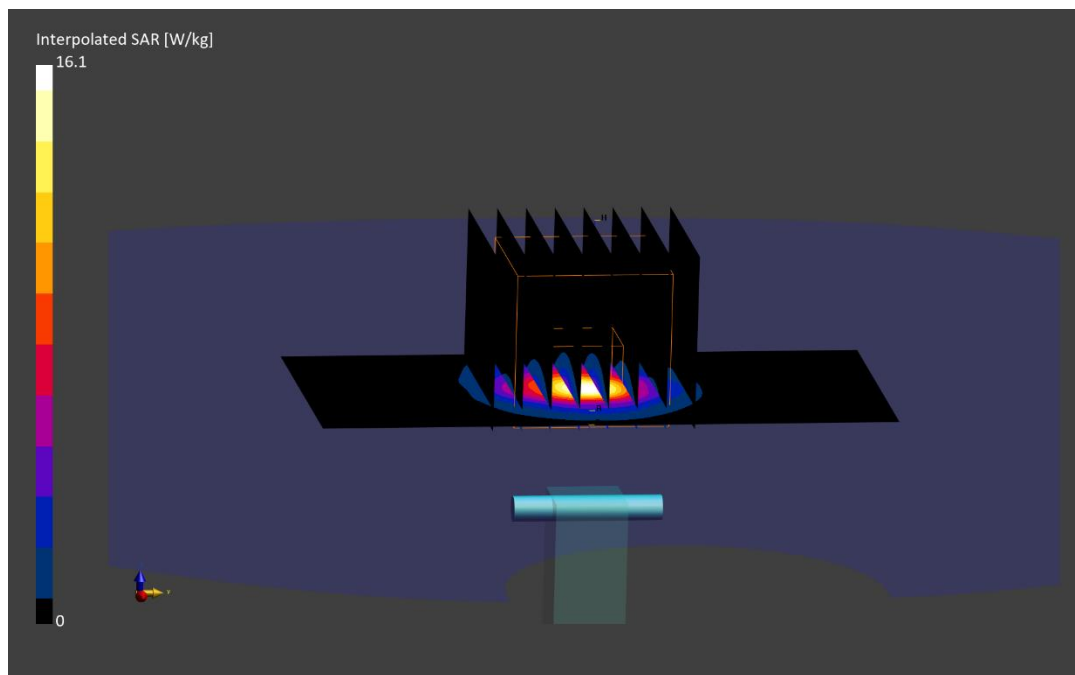
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 16.1 W/kg

**SAR(1 g) = 3.84 W/kg; SAR(10 g) = 1.09 W/kg**

Deviation (1 g) = -4.95%; Deviation (10 g) = -4.80%;





# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 5800.0 MHz  
Medium: 5200-5800 Head; Medium parameters used:  
f = 5800.0 MHz; cond = 5.16 S/m; perm = 34.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/14/2023; Ambient Temp: 21.2°C; Tissue Temp: 21.2°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)

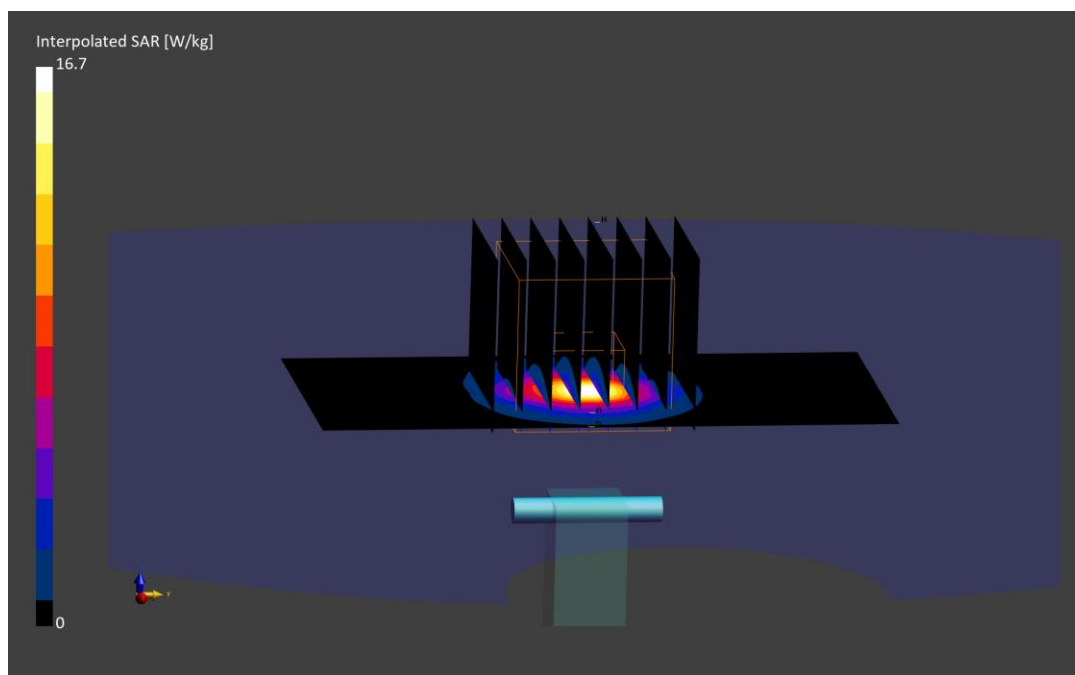
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 16.7 W/kg

**SAR(1 g) = 3.96 W/kg; SAR(10 g) = 1.13 W/kg**

Deviation (1 g) = -3.53%; Deviation (10 g) = -1.74%;



# 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:

$f = 750 \text{ MHz}$ ;  $\sigma = 0.989 \text{ S/m}$ ;  $\epsilon_r = 53.122$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/03/2023; Ambient Temp: 20.9°C; Tissue Temp: 21.2°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)

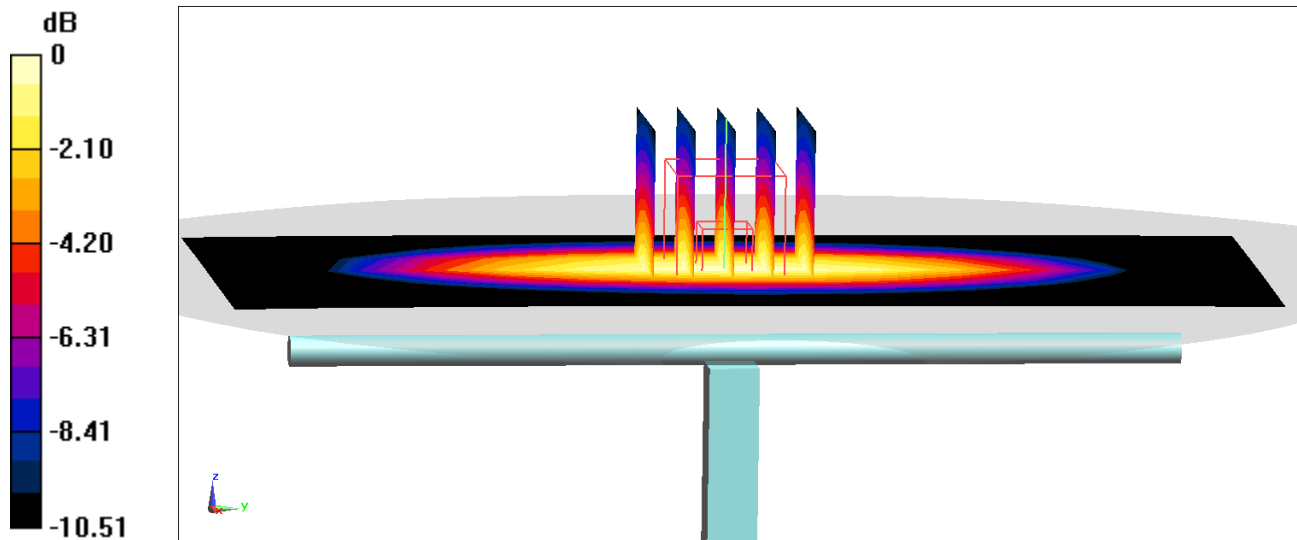
**Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.66 W/kg

**SAR(1 g) = 1.76 W/kg; SAR(10 g) = 1.16 W/kg**

Deviation(1 g) = 0.00%; Deviation(10 g) = -0.68%



0 dB = 2.36 W/kg = 3.73 dBW/kg

# 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 = 0.940 S/m; perm = 57.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 15 mm

Test Date: 04/04/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7410; ConvF:(9.81,9.81,9.81); 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

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

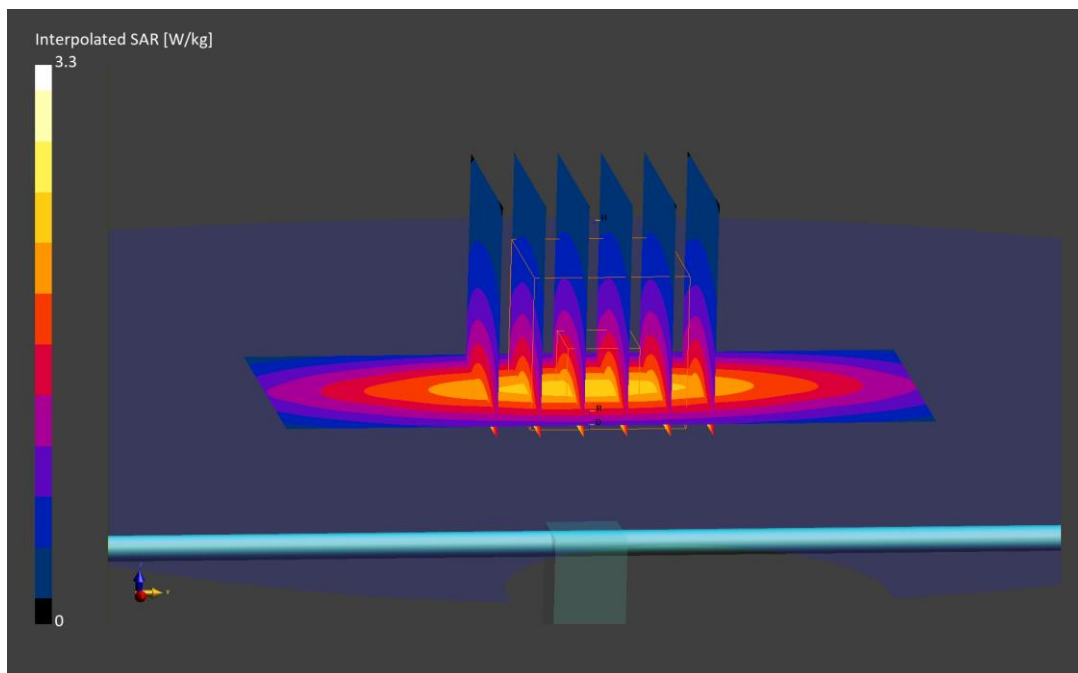
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 3.30 W/kg

**SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.36 W/kg**

Deviation (1 g) = 4.99%; Deviation (10 g) = 5.59%;



# 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)

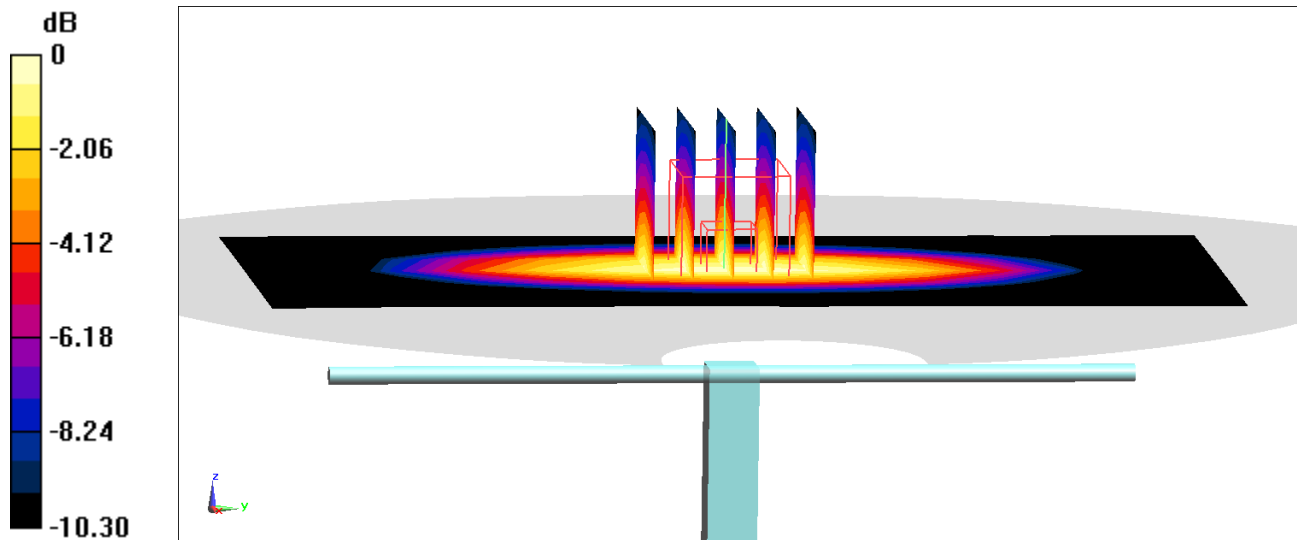
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

**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%



# ELEMENT

**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d180**

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

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$ ;  $\sigma = 0.947 \text{ S/m}$ ;  $\epsilon_r = 53.047$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/24/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.9°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)

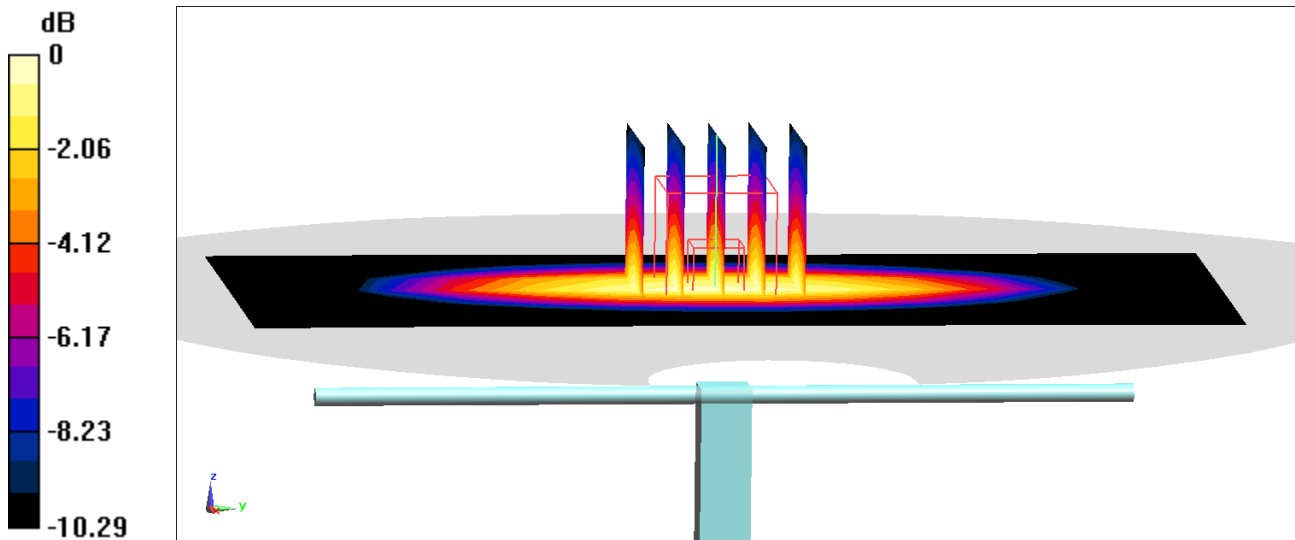
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.97 W/kg

**SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.3 W/kg**

Deviation(1 g) = 1.44%; Deviation(10 g) = 1.72%



0 dB = 2.63 W/kg = 4.20 dBW/kg

# ELEMENT

**DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1104**

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Body; Medium parameters used:  
f = 1750.0 MHz; cond = 1.53 S/m; perm = 51.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/10/2023; Ambient Temp: 20.9°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7427; ConvF:(8.24,8.24,8.24); Calibrated: 2023-02-13  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1403; Calibrated: 2023-02-15  
Phantom: Twin-SAM V8.0; Serial: 2027  
Measurement SW: DASY Module SAR V16.2.0.1425

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

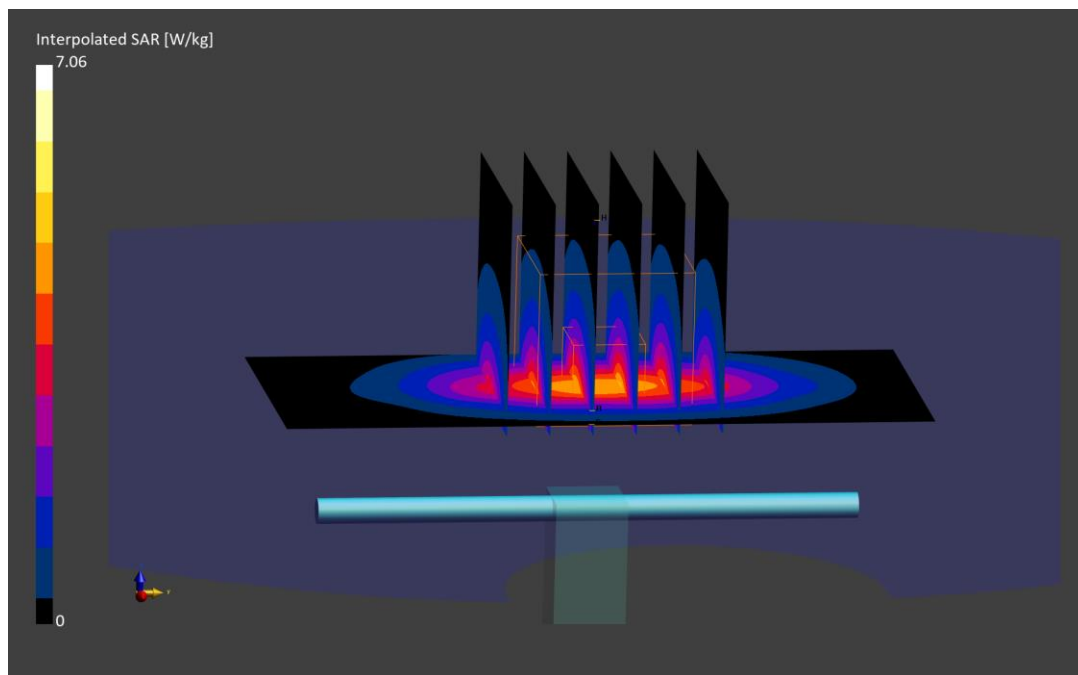
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.06 W/kg

**SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.04 W/kg**

Deviation (1 g) = 6.06%; Deviation (10 g) = 5.70%;



# 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 = 1.48 S/m; perm = 51.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/24/2023; Ambient Temp: 21.5°C; Tissue Temp: 20.4°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)

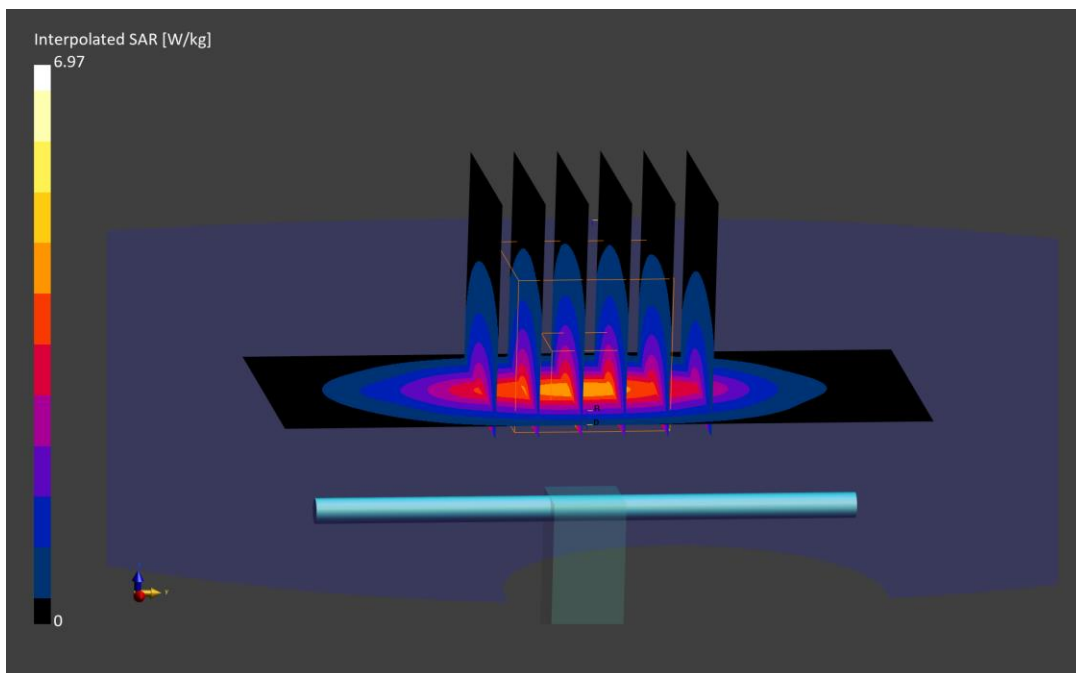
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 6.98 W/kg

**SAR(1 g) = 3.70 W/kg; SAR(10 g) = 1.97 W/kg**

Deviation (1 g) = -1.60%; Deviation (10 g) = -1.99%;



# 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 = 1.47 S/m; perm = 52.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/24/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7565; ConvF:(7.94,7.94,7.94); 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)

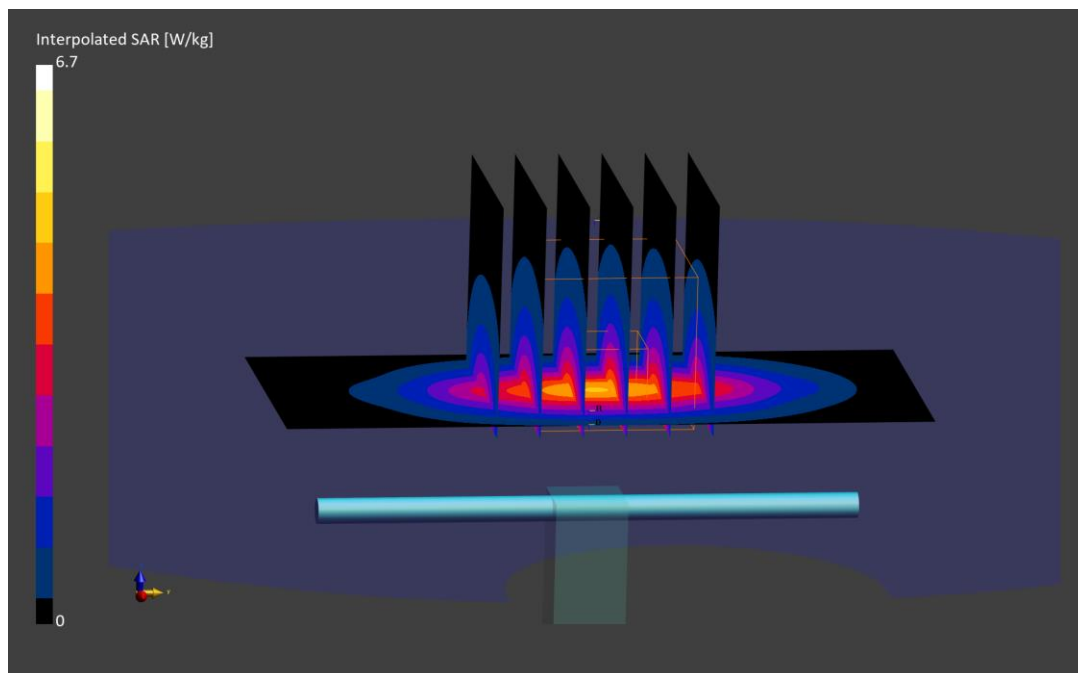
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 6.70 W/kg

**SAR(1 g) = 3.60 W/kg; SAR(10 g) = 1.90 W/kg**

Deviation (1 g) = -4.26%; Deviation (10 g) = -5.47%;





# 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 = 1.54 S/m; perm = 51.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/27/2023; Ambient Temp: 21.7°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7713; ConvF:(8.76,8.76,8.76); 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

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

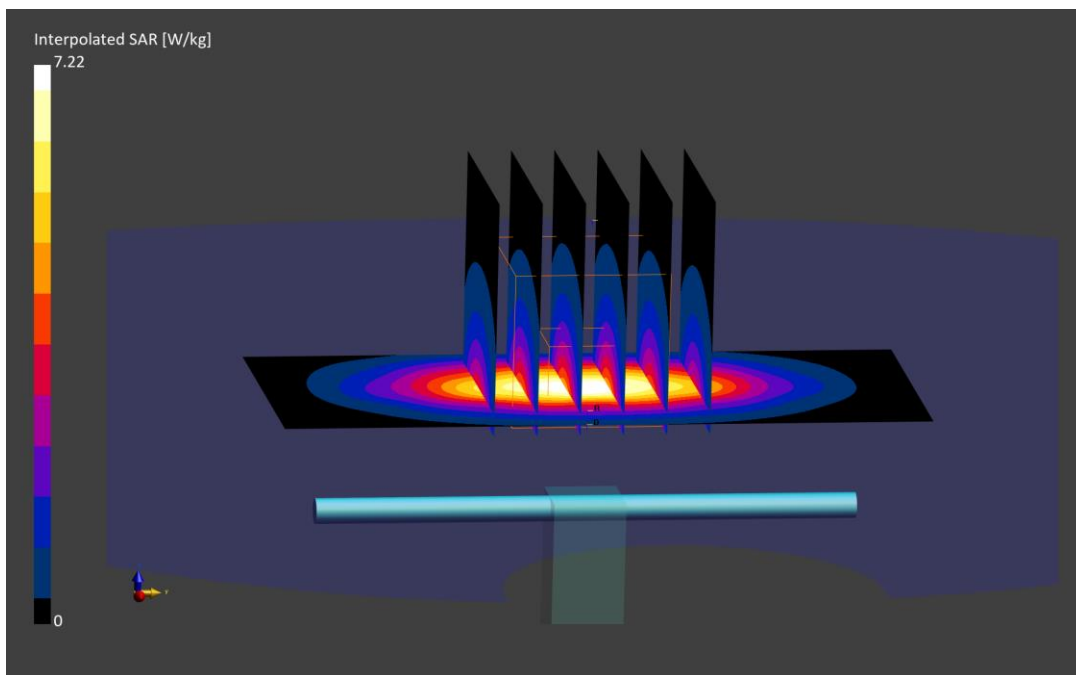
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.22 W/kg

**SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.04 W/kg**

Deviation (1 g) = 1.85%; Deviation (10 g) = 2.00%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 1750.0 MHz  
Medium: 1750 Body; Medium parameters used:  
f = 1750.0 MHz; cond = 1.54 S/m; perm = 51.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/29/2023; Ambient Temp: 22.9°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.76,8.76,8.76); 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

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

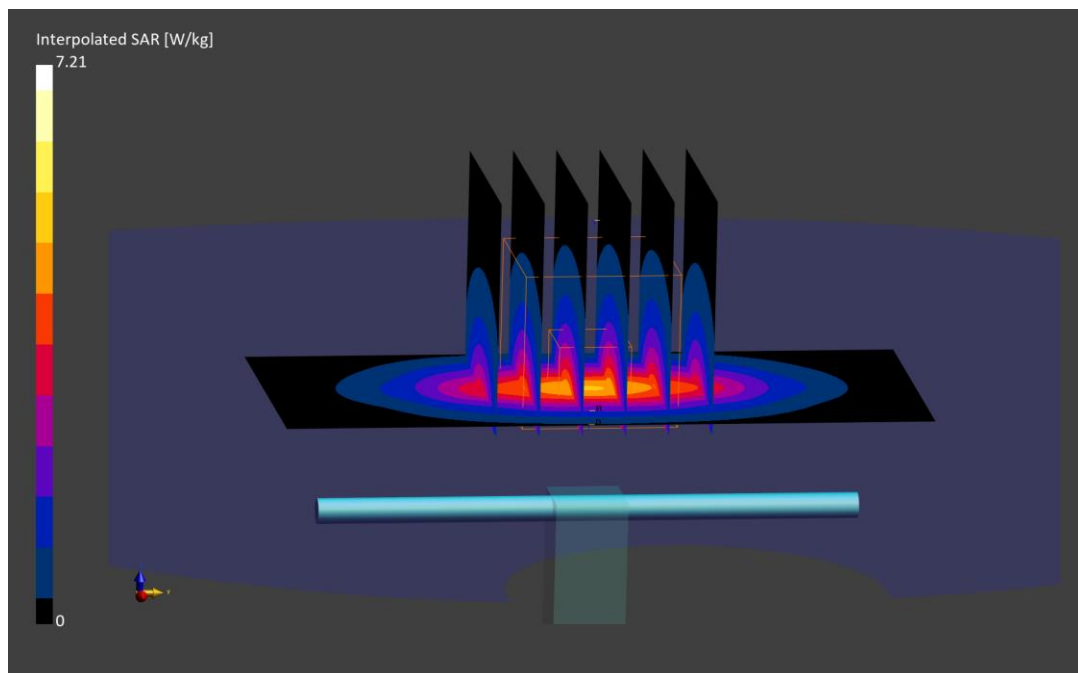
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.21 W/kg

**SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.05 W/kg**

Deviation (1 g) = 4.58%; Deviation (10 g) = 4.59%;



# 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 = 52.3; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/05/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.8°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)

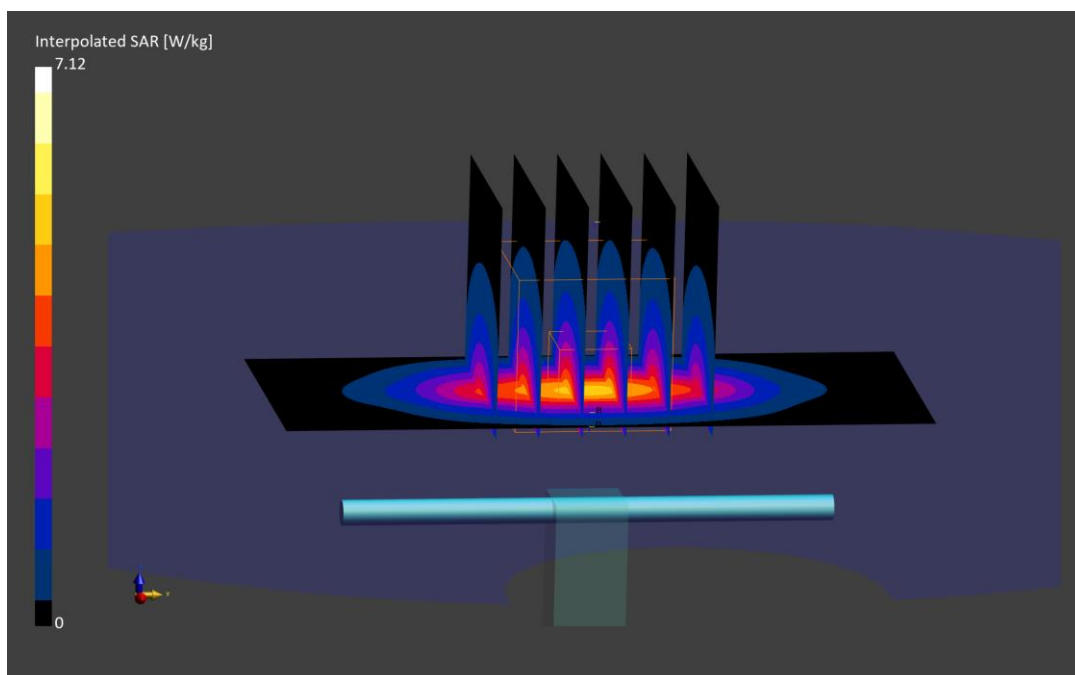
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.12 W/kg

**SAR(1 g) = 3.91 W/kg; SAR(10 g) = 2.06 W/kg**

Deviation (1 g) = -0.51%; Deviation (10 g) = 0.00%;



# 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 = 50.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/07/2023; Ambient Temp: 22.2°C; Tissue Temp: 20.9°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)

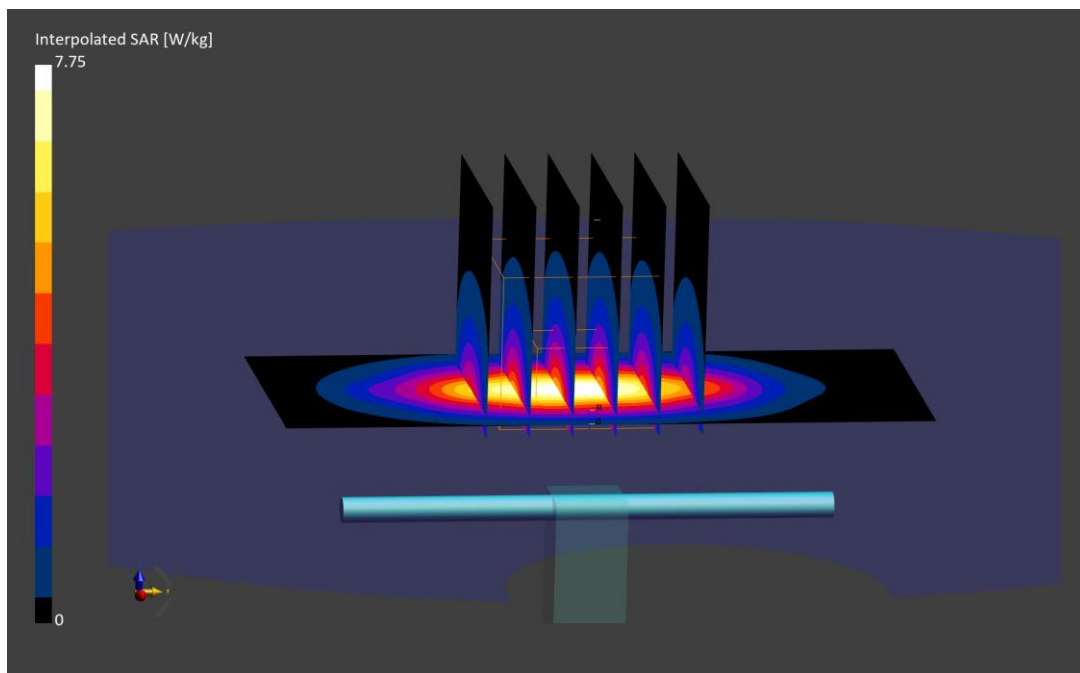
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.75 W/kg

**SAR(1 g) = 4.27 W/kg; SAR(10 g) = 2.19 W/kg**

Deviation (1 g) = 4.91%; Deviation (10 g) = 2.82%;



# 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 = 1.57 S/m; perm = 52.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/10/2023; Ambient Temp: 22.2°C; Tissue Temp: 20.7°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)

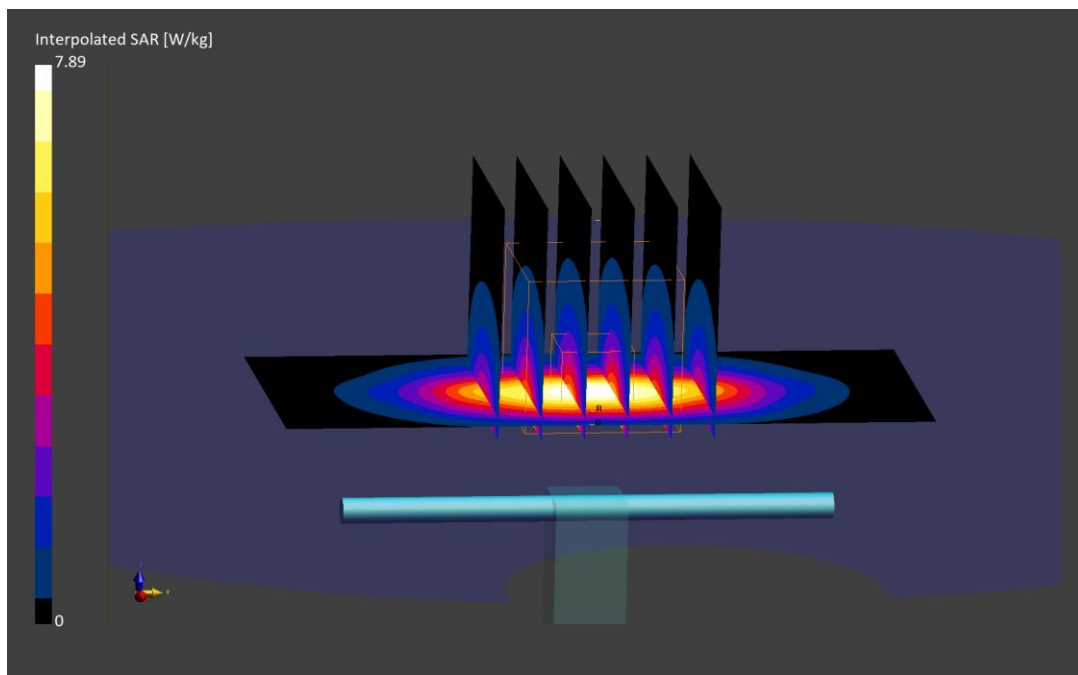
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.90 W/kg

**SAR(1 g) = 4.20 W/kg; SAR(10 g) = 2.16 W/kg**

Deviation (1 g) = 3.19%; Deviation (10 g) = 1.41%;



# 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 = 53.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/12/2023; Ambient Temp: 19.5°C; Tissue Temp: 21.0°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)

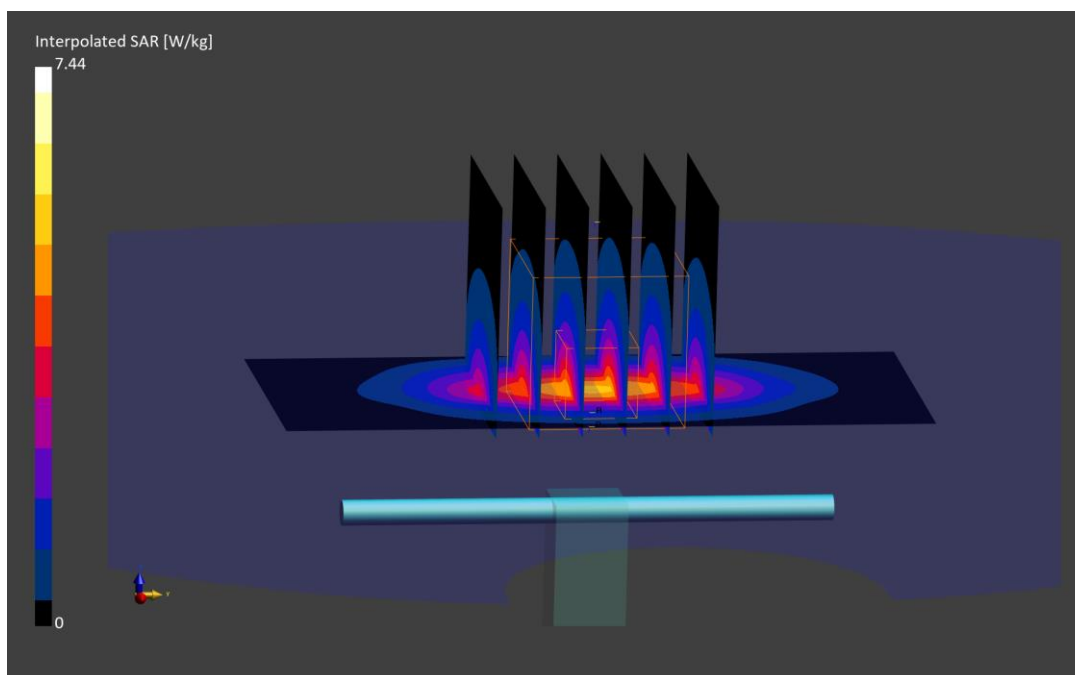
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.44 W/kg

**SAR(1 g) = 4.05 W/kg; SAR(10 g) = 2.13 W/kg**

Deviation (1 g) = 3.05%; Deviation (10 g) = 3.40%;



# 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 = 1.57 S/m; perm = 52.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/19/2023; Ambient Temp: 22.1 °C; Tissue Temp: 22.4 °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)

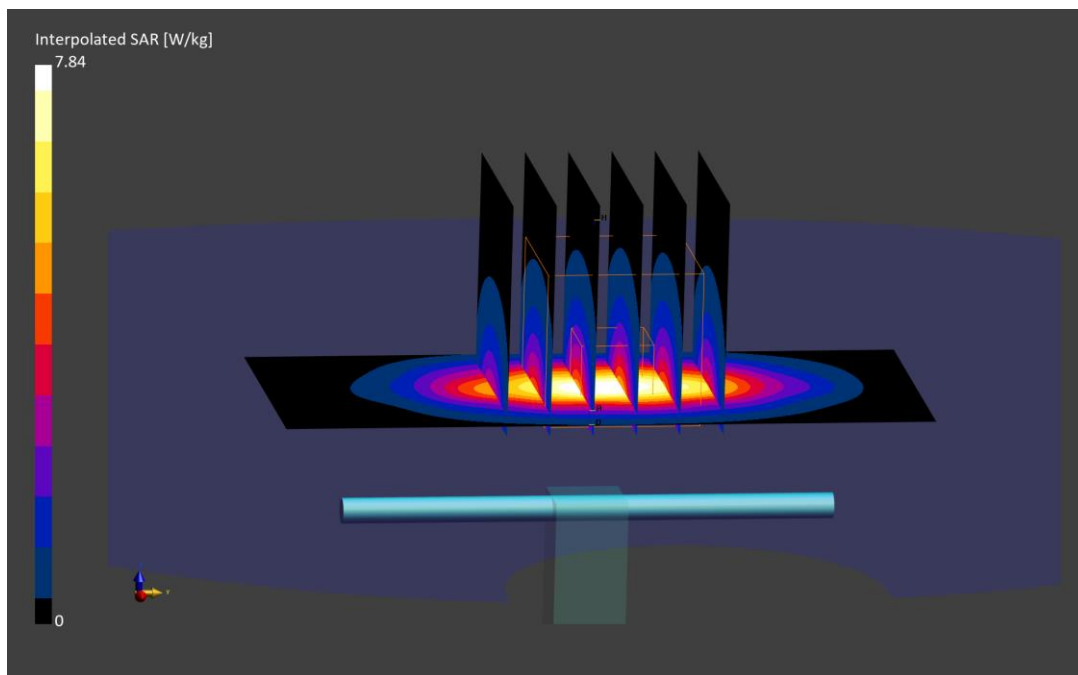
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.84 W/kg

**SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.15 W/kg**

Deviation (1 g) = 6.11%; Deviation (10 g) = 4.37%;



# 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 = 1.57 S/m; perm = 53.5; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/24/2023; Ambient Temp: 22.6°C; Tissue Temp: 20.9°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)

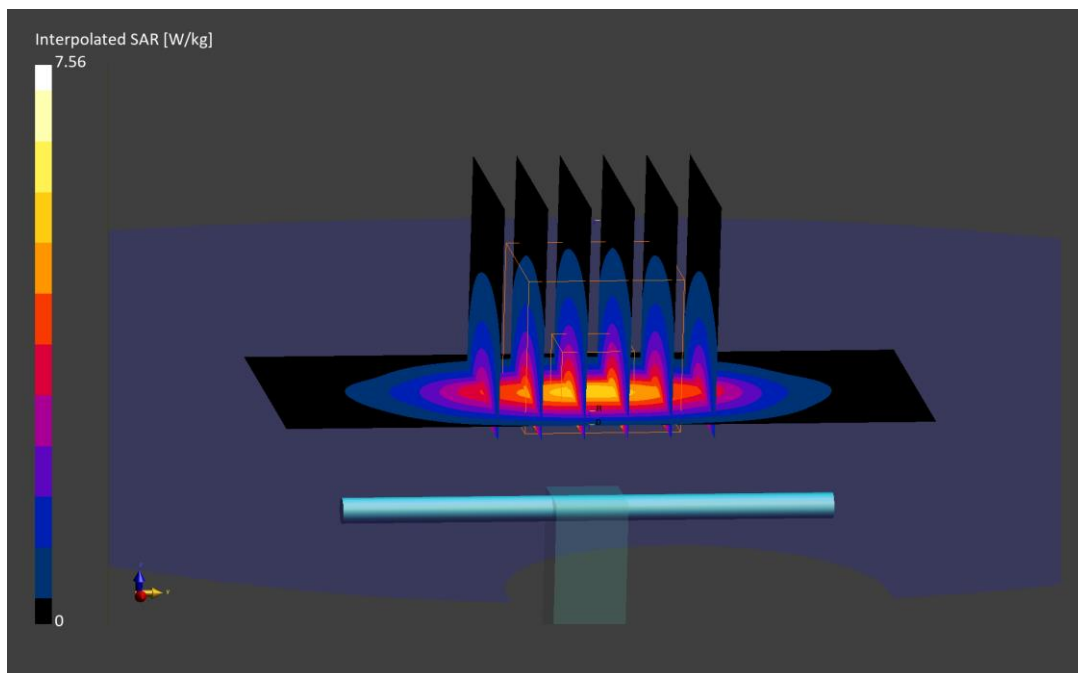
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.56 W/kg

**SAR(1 g) = 4.24 W/kg; SAR(10 g) = 2.20 W/kg**

Deviation (1 g) = 6.27%; Deviation (10 g) = 5.26%;





# 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 = 1.58 S/m; perm = 54.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/29/2023; Ambient Temp: 21.8°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)

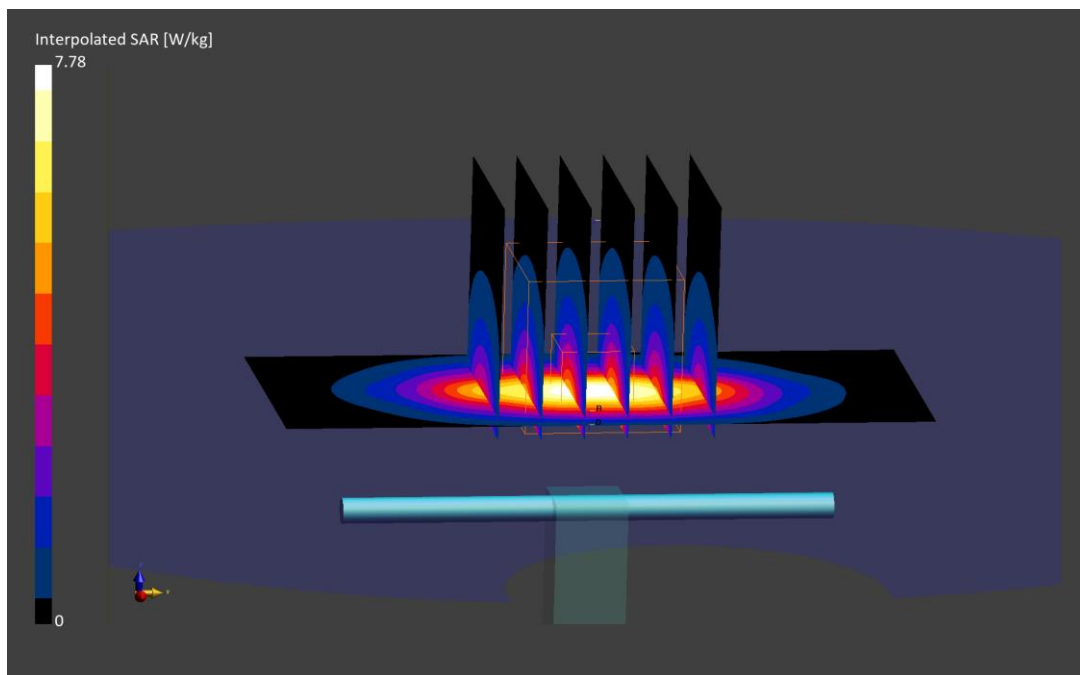
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 7.78 W/kg

**SAR(1 g) = 4.34 W/kg; SAR(10 g) = 2.25 W/kg**

Deviation (1 g) = 8.77%; Deviation (10 g) = 7.66%;



# 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 = 1.51 S/m; perm = 51.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 06/15/2023; Ambient Temp: 23.2°C; Tissue Temp: 21.5°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)

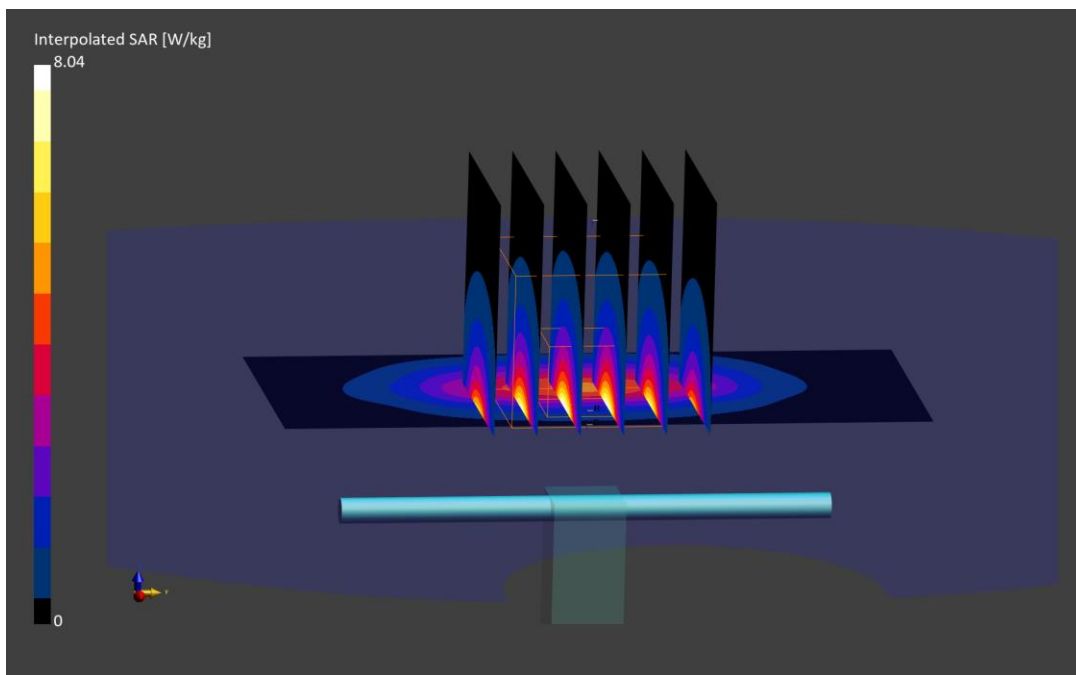
**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm

**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) = 8.04 W/kg

**SAR(1 g) = 4.06 W/kg; SAR(10 g) = 2.09 W/kg**

Deviation (1 g) = 1.75%; Deviation (10 g) = 0.00%;



# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN750**

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2450.0 MHz; cond = 2.01 S/m; perm = 51.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/10/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7420; ConvF:(7.47,7.47,7.47); 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

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

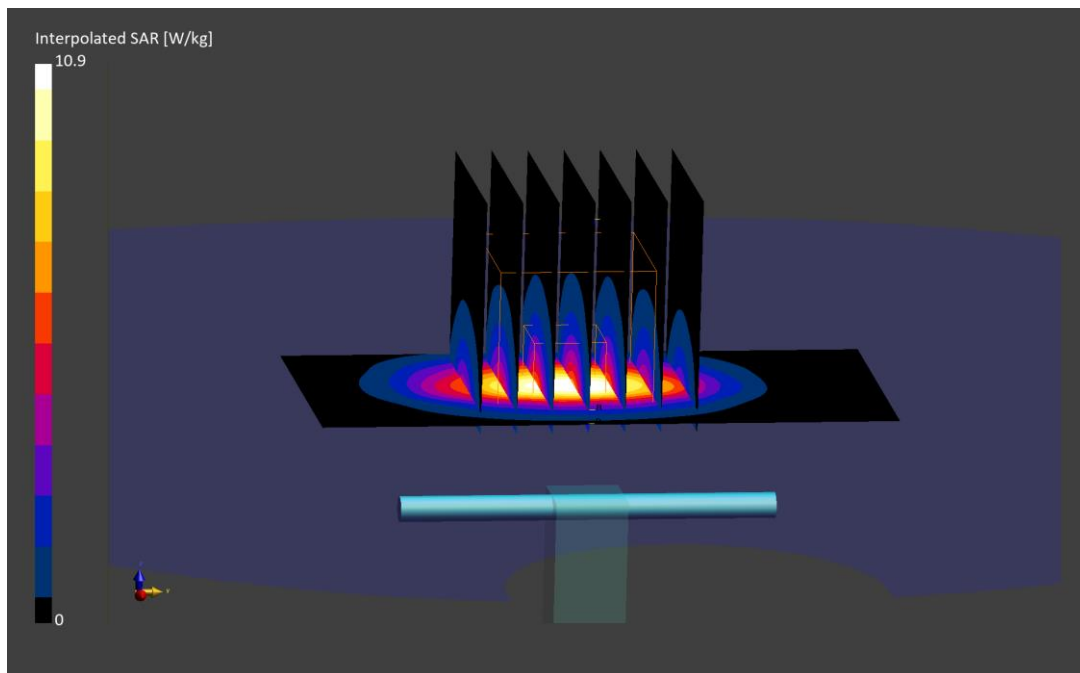
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 5.18 W/kg; SAR(10 g) = 2.37 W/kg**

Deviation (1 g) = 2.57%; Deviation (10 g) = -0.84%;



# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN921**

Communication System: UID: 0, CW; Frequency: 2450.0 MHz  
Medium: 2450 Body; Medium parameters used:  
f = 2450.0 MHz; cond = 2.04 S/m; perm = 50.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/12/2023; Ambient Temp: 23.0°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7420; ConvF:(7.47,7.47,7.47); 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

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

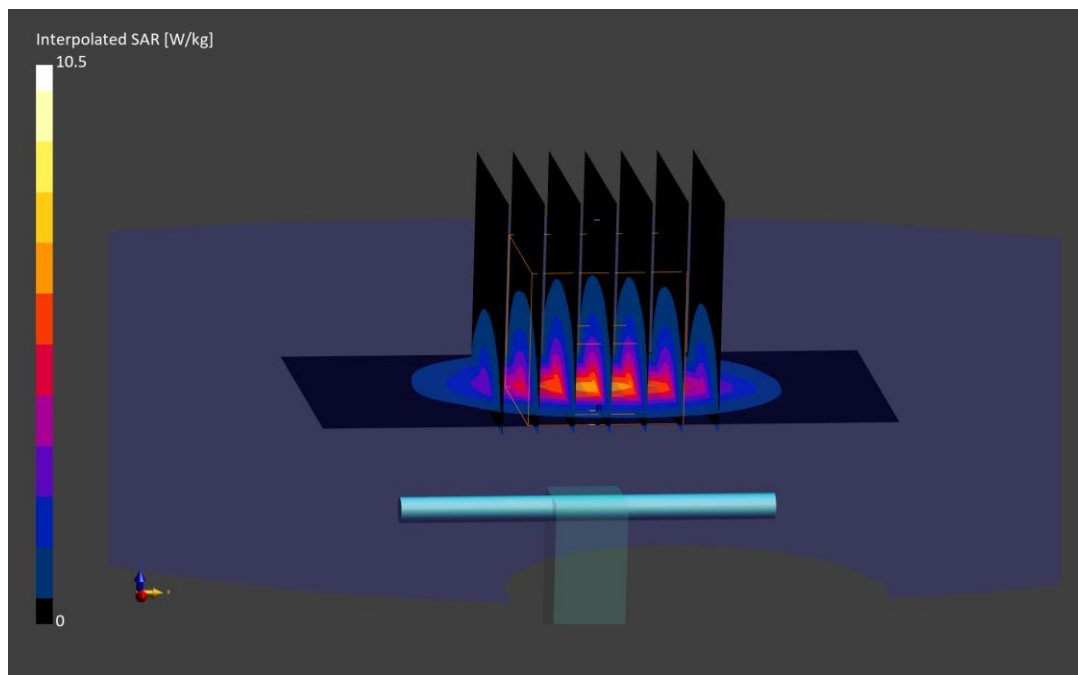
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 4.94 W/kg; SAR(10 g) = 2.26 W/kg**

Deviation (1 g) = -0.60%; Deviation (10 g) = -4.24%;



# ELEMENT

**DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN750**

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 = 51.9; 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:(7.47,7.47,7.47); 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

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

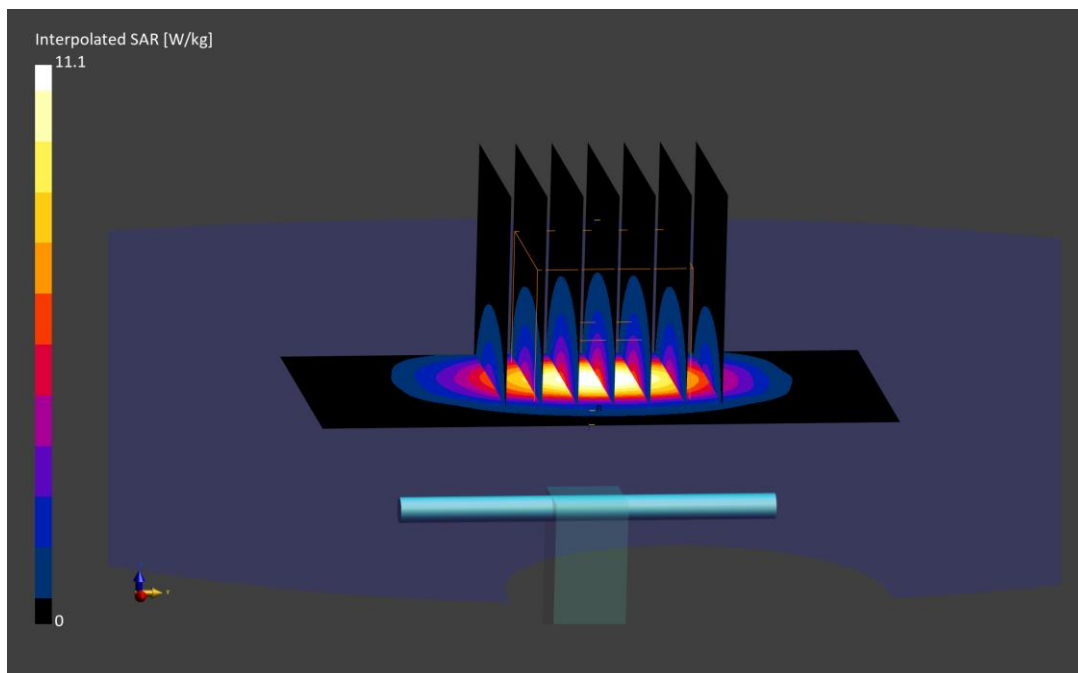
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 5.12 W/kg; SAR(10 g) = 2.33 W/kg**

Deviation (1 g) = 1.39%; Deviation (10 g) = -2.51%;



# 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 = 2.04 S/m; perm = 51.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/07/2023; Ambient Temp: 21.1 °C; Tissue Temp: 23.0 °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)

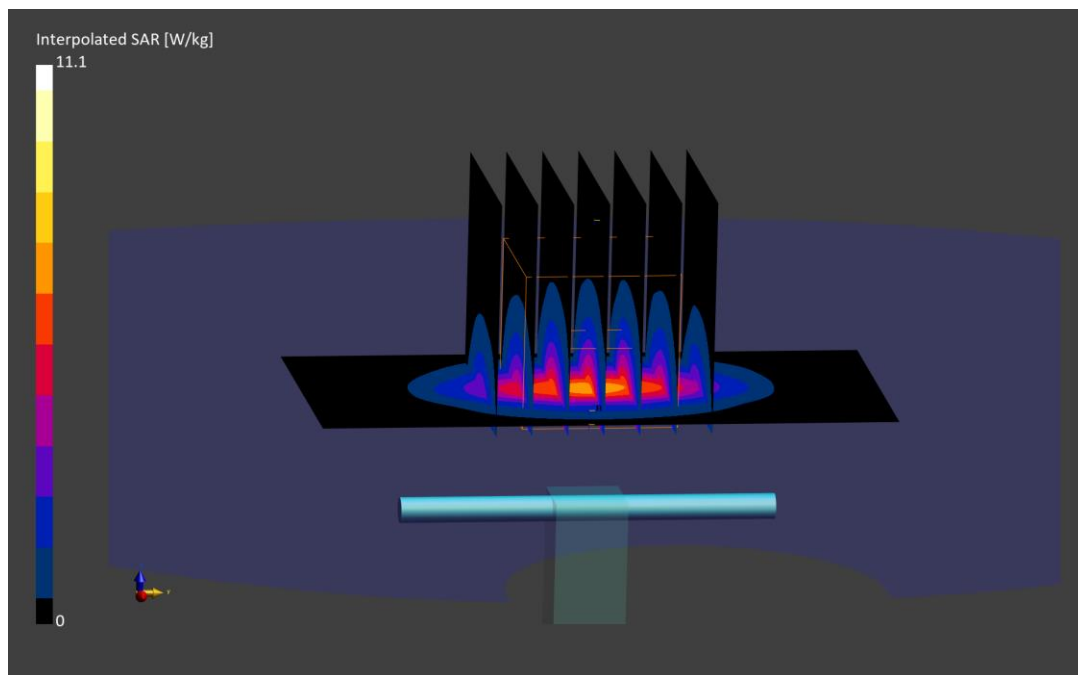
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 5.26 W/kg; SAR(10 g) = 2.40 W/kg**

Deviation (1 g) = 4.57%; Deviation (10 g) = 1.27%;



# 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 = 2.22 S/m; perm = 52.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/03/2023; Ambient Temp: 22.5°C; Tissue Temp: 22.1°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)

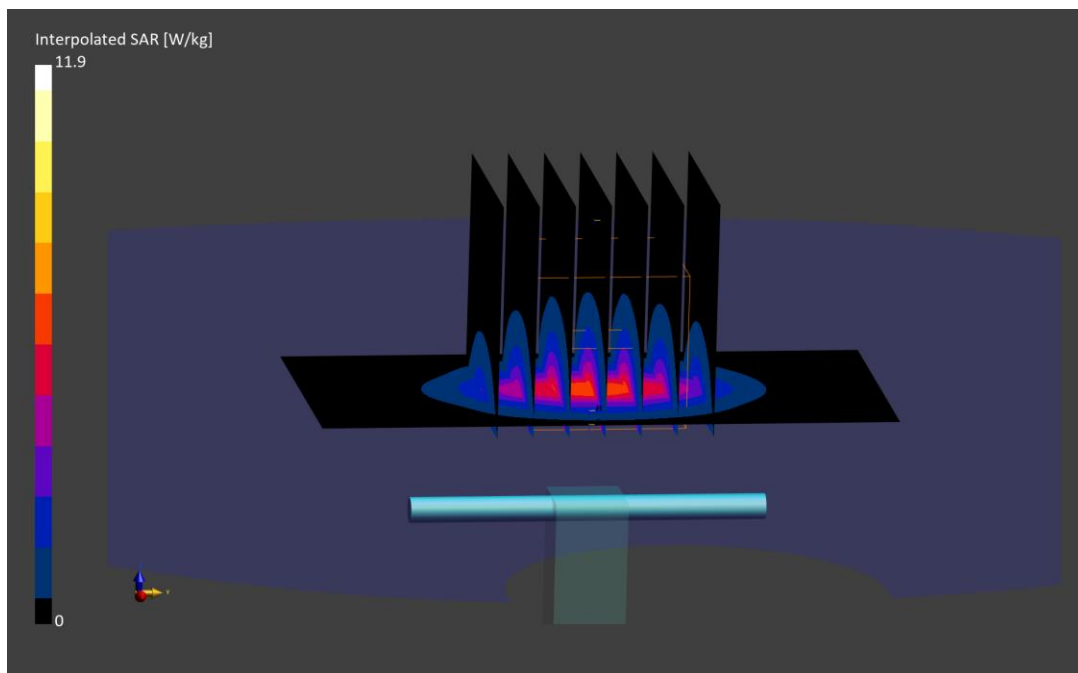
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 5.20 W/kg; SAR(10 g) = 2.27 W/kg**

Deviation (1 g) = -3.17%; Deviation (10 g) = -5.42%;



# 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 = 50.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/10/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.3°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)

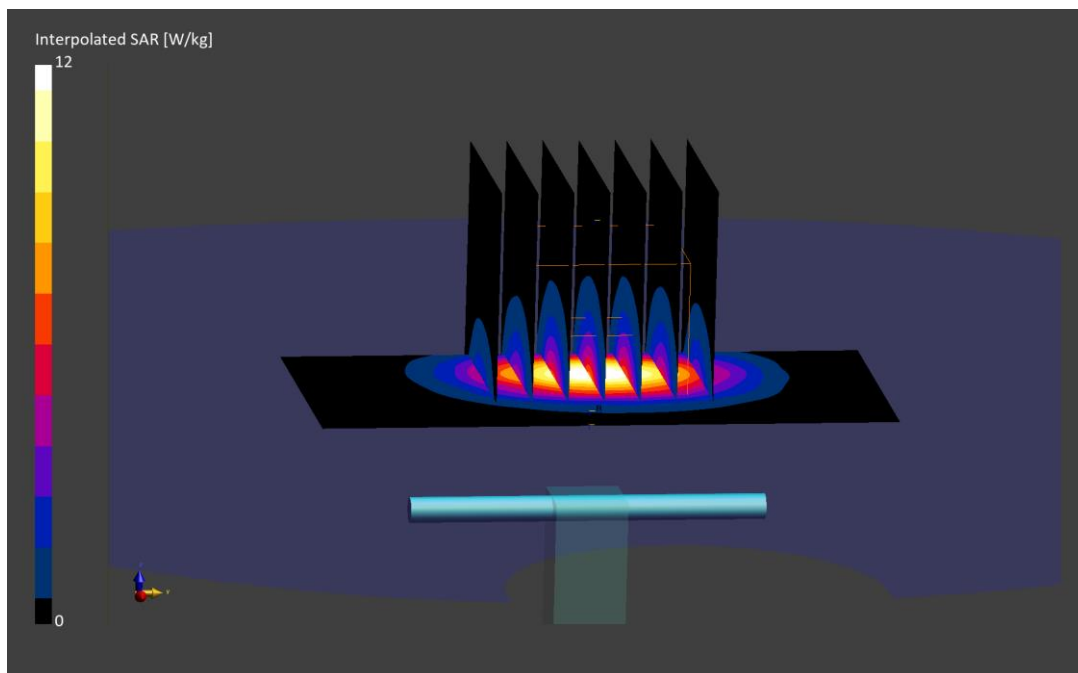
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 12.0 W/kg

**SAR(1 g) = 5.50 W/kg; SAR(10 g) = 2.41 W/kg**

Deviation (1 g) = 2.42%; Deviation (10 g) = 0.42%;





# ELEMENT

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

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 = 50.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 04/12/2023; Ambient Temp: 23.0°C; Tissue Temp: 21.8°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)

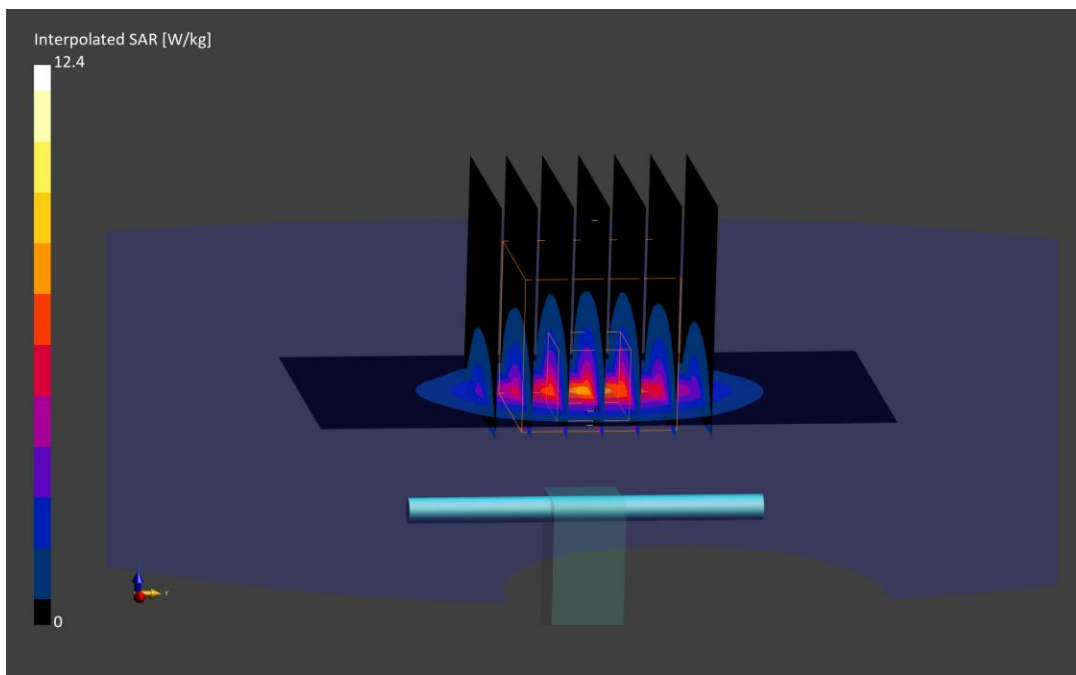
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 12.4 W/kg

**SAR(1 g) = 5.60 W/kg; SAR(10 g) = 2.46 W/kg**

Deviation (1 g) = 2.94%; Deviation (10 g) = 1.65%;



# 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 = 2.22 S/m; perm = 51.3; 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:(7.17,7.17,7.17); 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

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

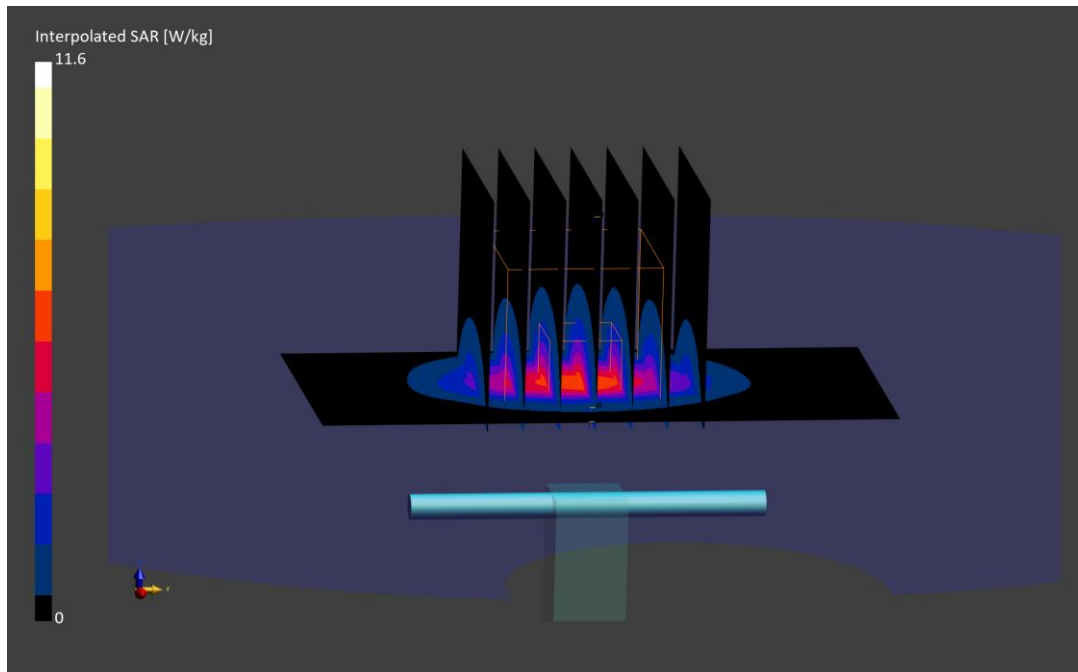
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 11.6 W/kg

**SAR(1 g) = 5.11 W/kg; SAR(10 g) = 2.23 W/kg**

Deviation (1 g) = -4.84%; Deviation (10 g) = -7.08%;



# 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 = 2.23 S/m; perm = 51.7; 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:(8.08,8.08,8.08); 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

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

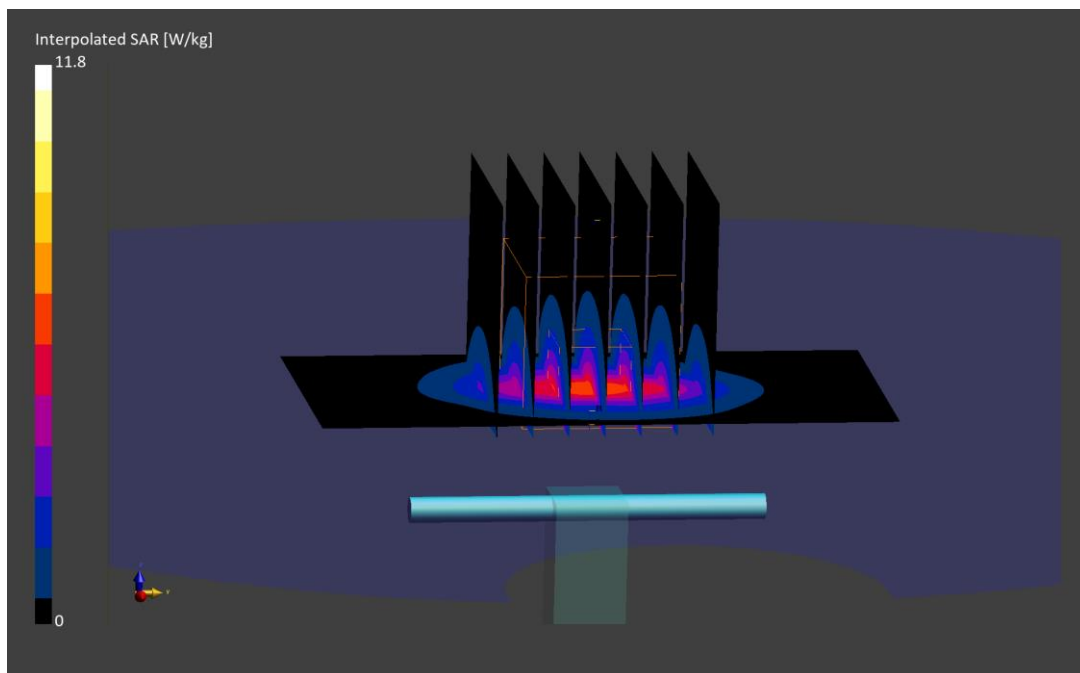
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 11.8 W/kg

**SAR(1 g) = 5.11 W/kg; SAR(10 g) = 2.26 W/kg**

Deviation (1 g) = -5.89%; Deviation (10 g) = -7.00%;



# 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)

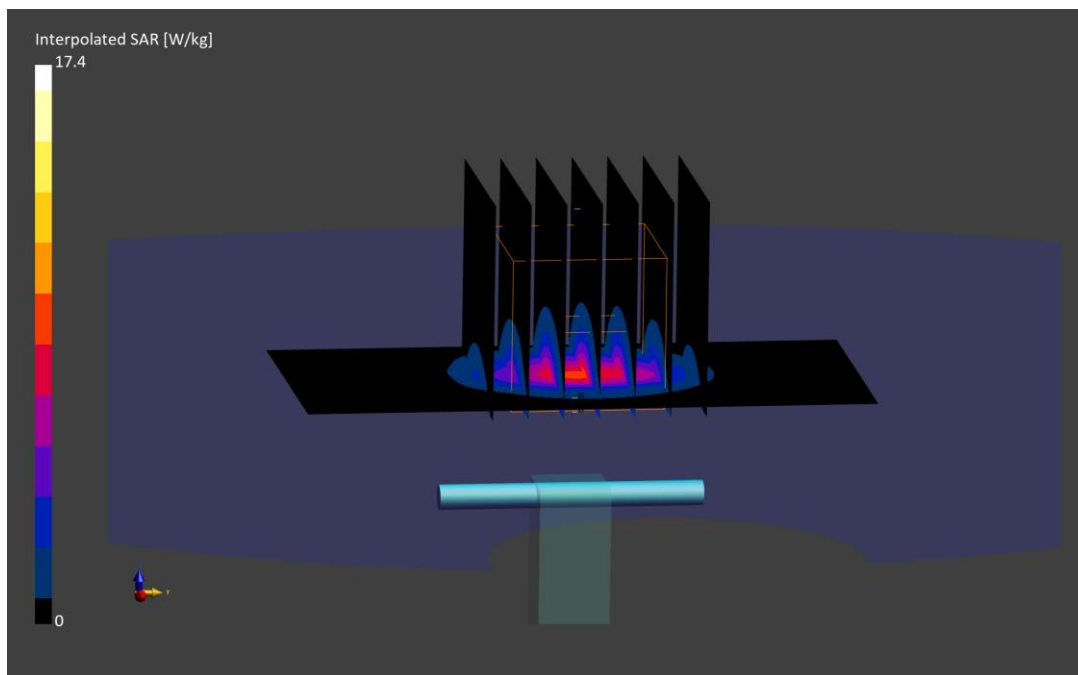
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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 - 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)

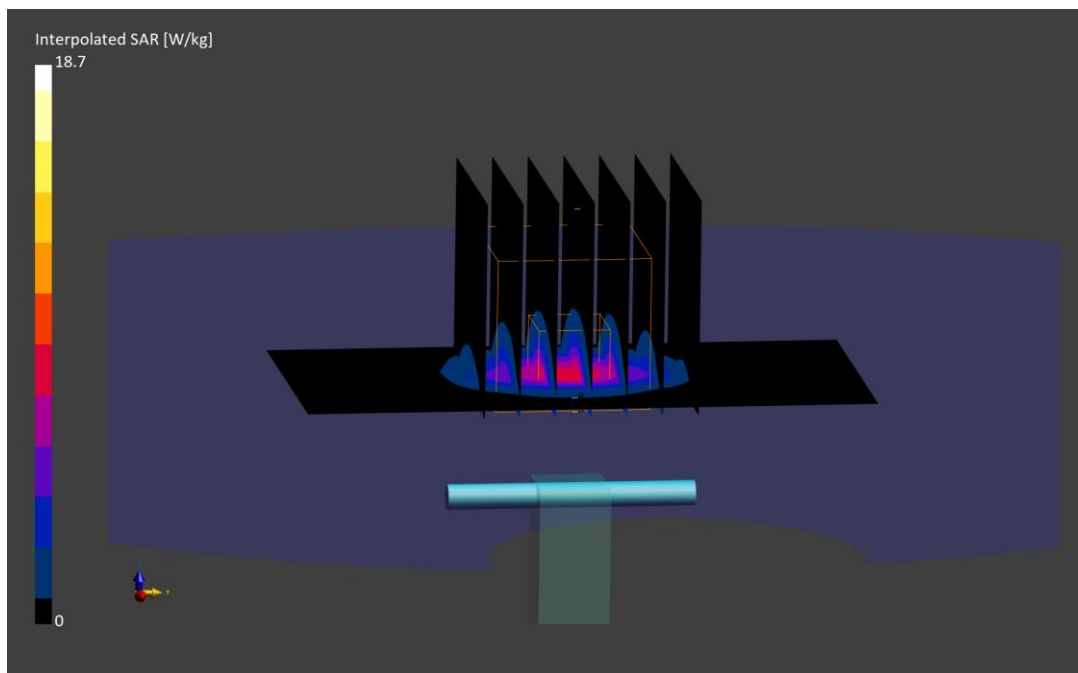
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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 = 3.87 S/m; perm = 48.4; 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:(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)

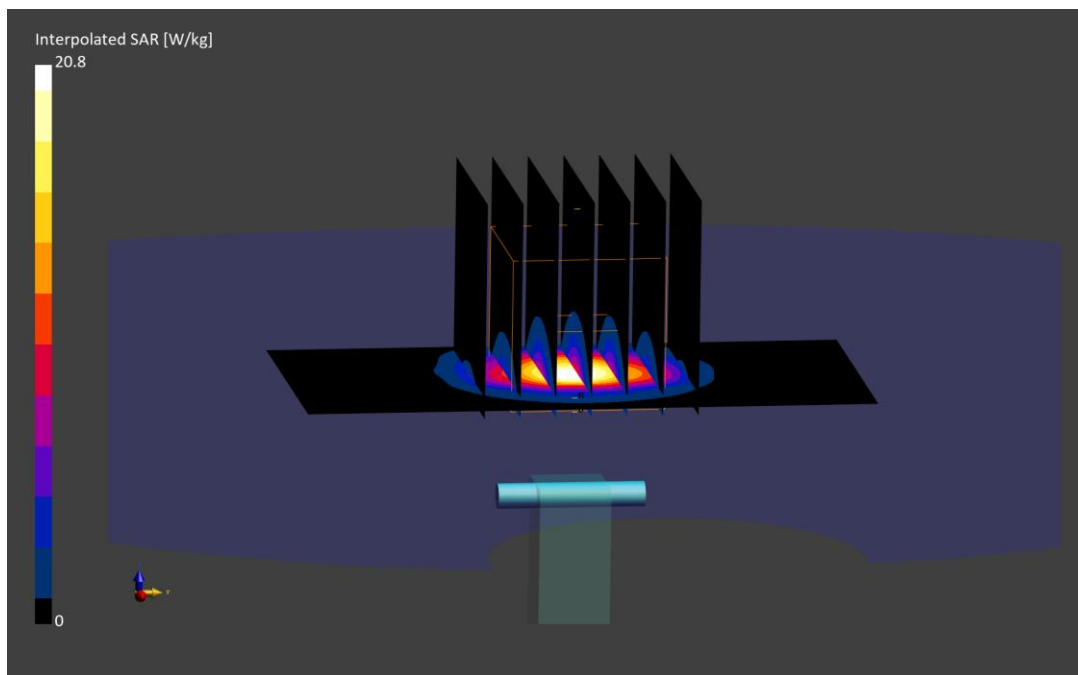
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 20.8 W/kg

**SAR(1 g) = 7.21 W/kg; SAR(10 g) = 2.49 W/kg**

Deviation (1 g) = 8.75%; Deviation (10 g) = 7.79%



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 5250.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5250.0 MHz; cond = 5.35 S/m; perm = 46.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/04/2023; Ambient Temp: 22.3°C; Tissue Temp: 20.3°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)

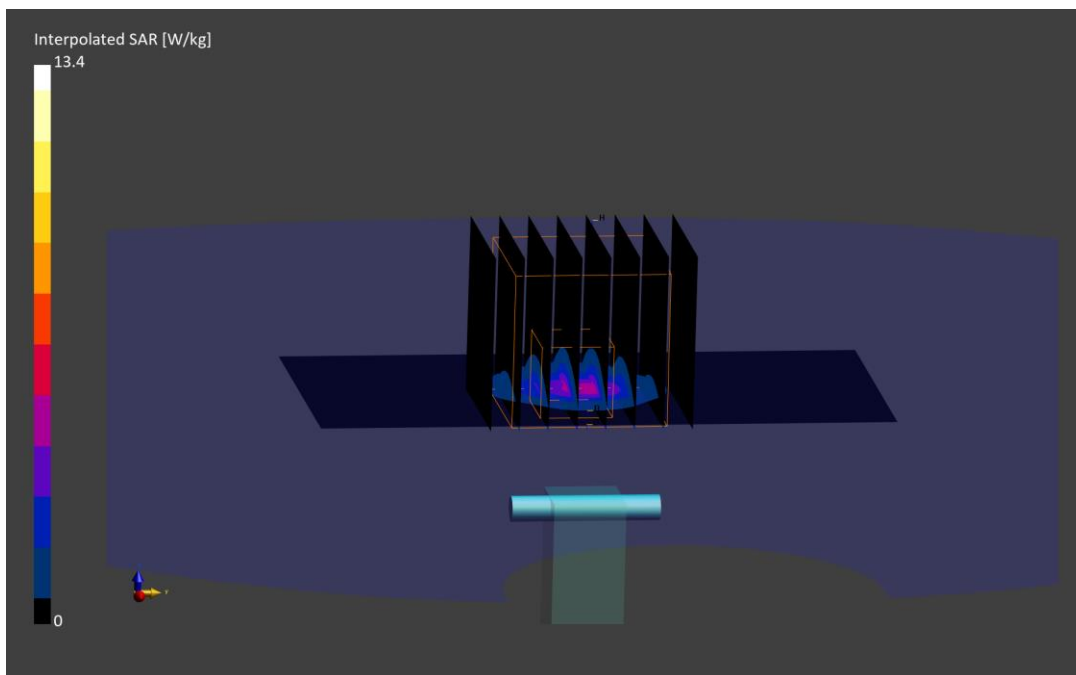
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 13.4 W/kg

**SAR(1 g) = 3.53 W/kg; SAR(10 g) = 1.00 W/kg**

Deviation (1 g) = -4.85%; Deviation (10 g) = -2.91%;



# ELEMENT

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

Communication System: UID: 0, CW; Frequency: 5600.0 MHz  
Medium: 5200-5800 Body; Medium parameters used:  
f = 5600.0 MHz; cond = 5.84 S/m; perm = 46.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/04/2023; Ambient Temp: 22.3°C; Tissue Temp: 20.3°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)

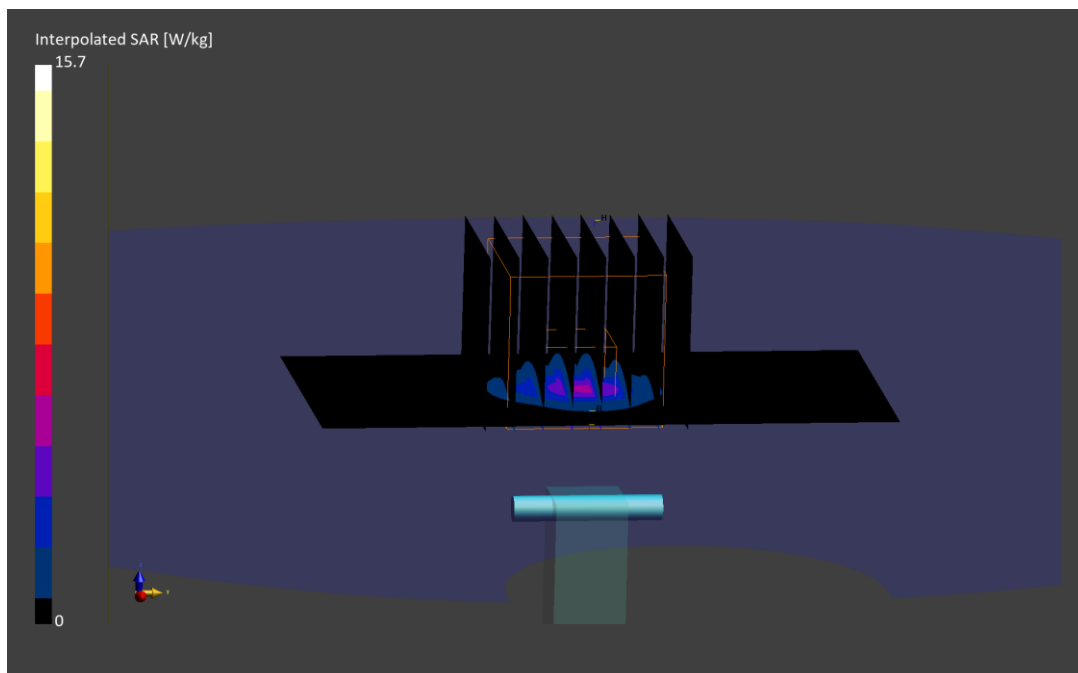
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 15.7 W/kg

**SAR(1 g) = 3.84 W/kg; SAR(10 g) = 1.08 W/kg**

Deviation (1 g) = -0.26%; Deviation (10 g) = 1.89%;





# 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 = 6.07 S/m; perm = 45.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/04/2023; Ambient Temp: 22.3°C; Tissue Temp: 20.3°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)

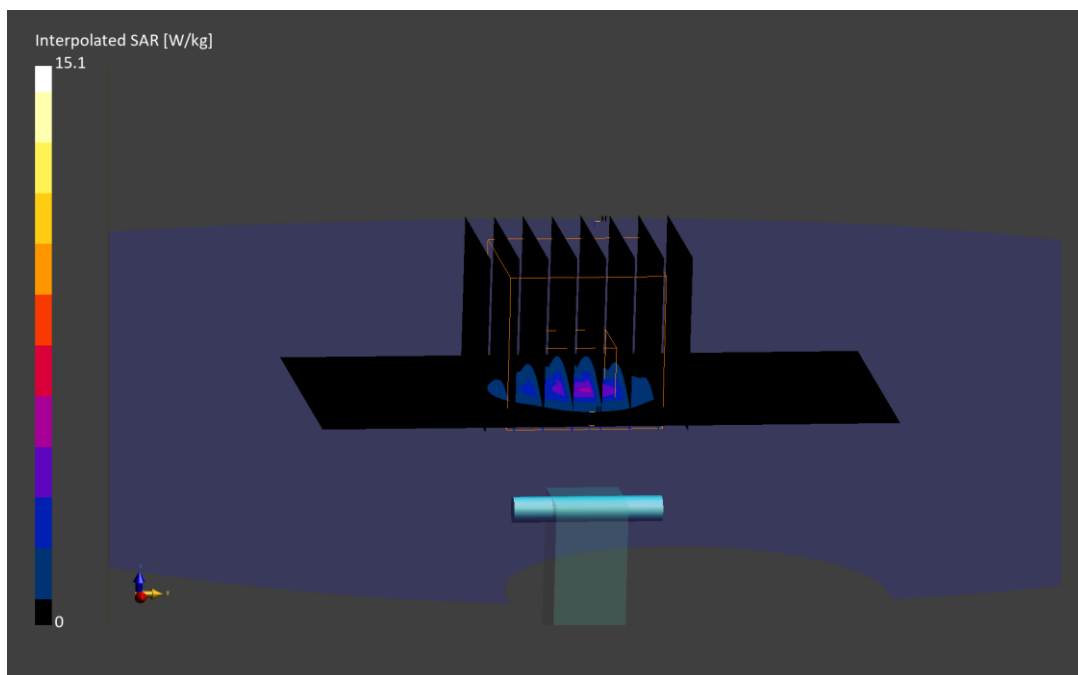
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm

**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) = 15.1 W/kg

**SAR(1 g) = 3.55 W/kg; SAR(10 g) = 0.999 W/kg**

Deviation (1 g) = -5.21%; Deviation (10 g) = -3.48%;



# 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 = 6.16 S/m; perm = 45.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 05/04/2023; Ambient Temp: 22.3°C; Tissue Temp: 20.3°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) = 3.55 W/kg; SAR(10 g) = 1.00 W/kg**

Deviation (1 g) = -5.08%; Deviation (10 g) = -2.44%;

