

## APPENDIX B: SYSTEM VERIFICATION

# PCTEST

**DUT: Dipole 750 MHz; Type: D750V3; Serial: 1003**

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$ ;  $\sigma = 0.914 \text{ S/m}$ ;  $\epsilon_r = 41.304$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/08/2021; Ambient Temp: 23.8°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7357; ConvF(10.18, 10.18, 10.18) @ 750 MHz; Calibrated: 4/19/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1407; Calibrated: 4/7/2021

Phantom: Front; Type: QD 000 P40 CD; Serial: 1686

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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

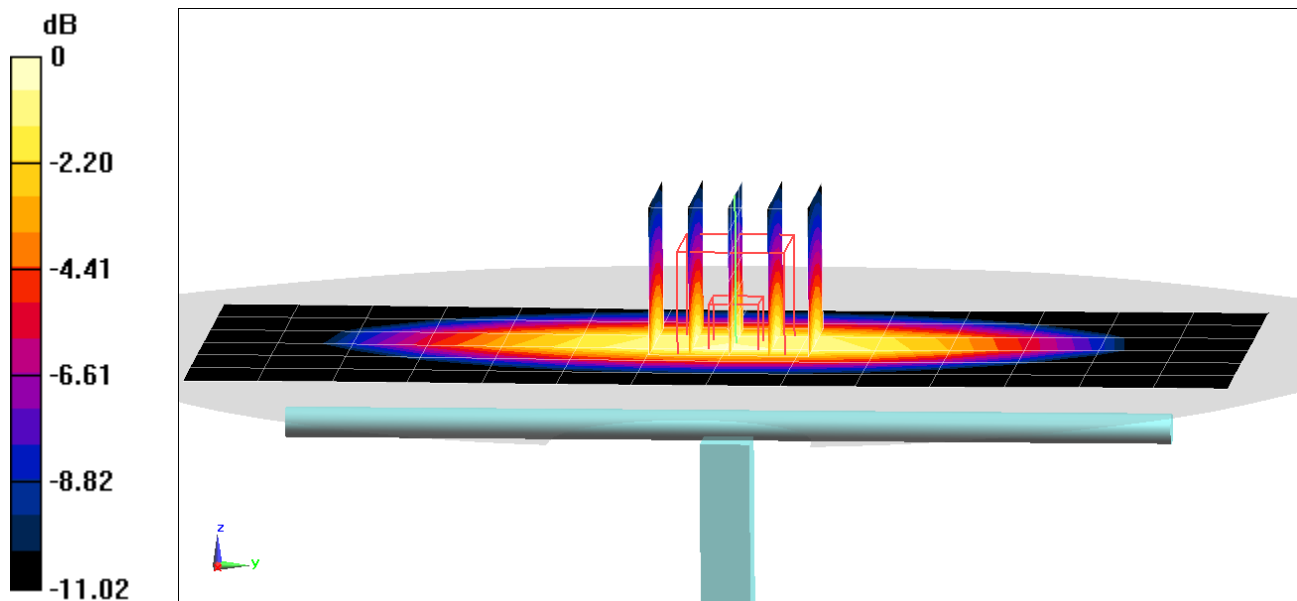
**Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.82 W/kg

**SAR(1 g) = 1.82 W/kg**

Deviation(1 g) = 3.64%



0 dB = 2.47 W/kg = 3.93 dBW/kg

# PCTEST

**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d132**

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

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$ ;  $\sigma = 0.92 \text{ S/m}$ ;  $\epsilon_r = 39.605$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/06/2021; Ambient Temp: 21.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7526; ConvF(9.16, 9.16, 9.16) @ 835 MHz; Calibrated: 3/16/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1272; Calibrated: 3/18/2021

Phantom: SAM Left; Type: QD000P40CC; Serial: TP: 1375

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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

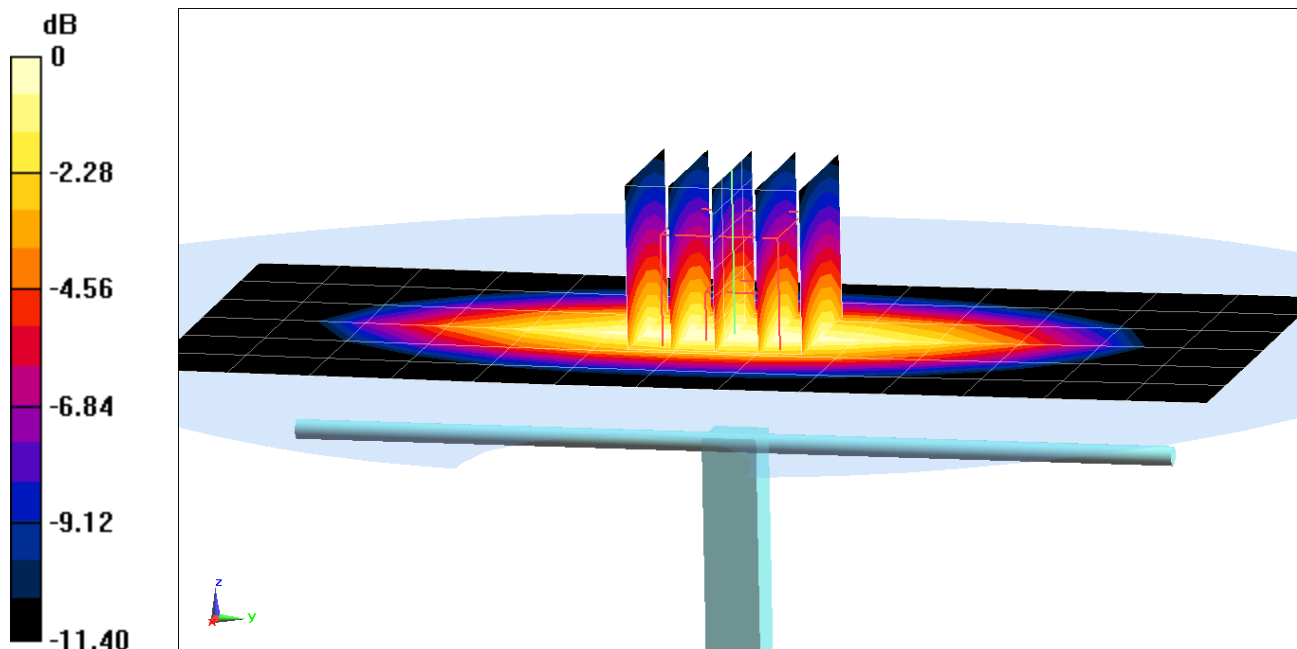
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 3.42 W/kg

**SAR(1 g) = 2.07 W/kg**

Deviation(1 g) = 7.14%



0 dB = 2.91 W/kg = 4.64 dBW/kg

# PCTEST

**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 = 1.40 S/m; perm = 40.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 1.0 cm

Test Date: 06/06/2021; Ambient Temp: 21.9°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7539; ConvF:(8.52,8.52,8.52); Calibrated: 2020-10-20  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10  
Phantom: Twin-SAM V5.0 (Left); Serial: 1630  
Measurement SW: cDASY6 Module SAR V6.14.0.959

## 1750.0 MHz System Verification at 20.0 dBm

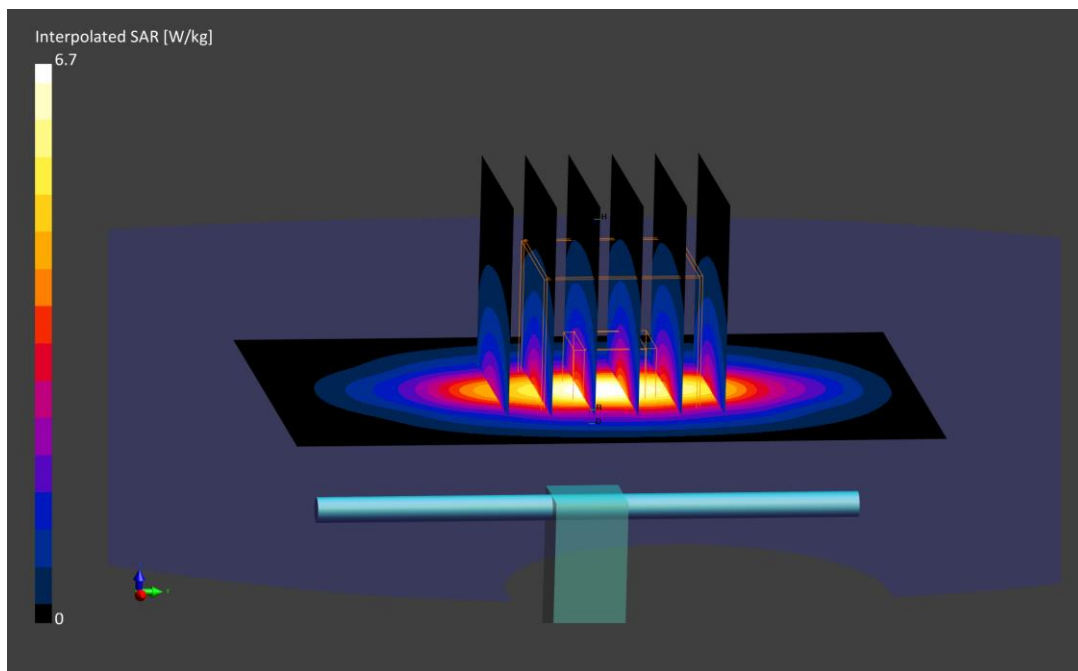
**Area Scan (60.0 x 90.0):** Measurement grid: dx=15.0mm, dy=15.0mm

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

Peak SAR (extrapolated) = 6.7 W/kg

**SAR(1 g) = 3.67 W/kg**

Deviation (1 g) = 2.23%



# PCTEST

**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 = 38.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 1.0 cm

Test Date: 06/08/2021; Ambient Temp: 21.7°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7526; ConvF:(7.47,7.47,7.47); Calibrated: 2021-03-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1272; Calibrated: 2021-03-18  
Phantom: Twin-SAM V5.0 (left); Serial: 1758  
Measurement SW: cDASY6 Module SAR V6.14.0.959

## 1900.0 MHz System Verification at 20.0 dBm

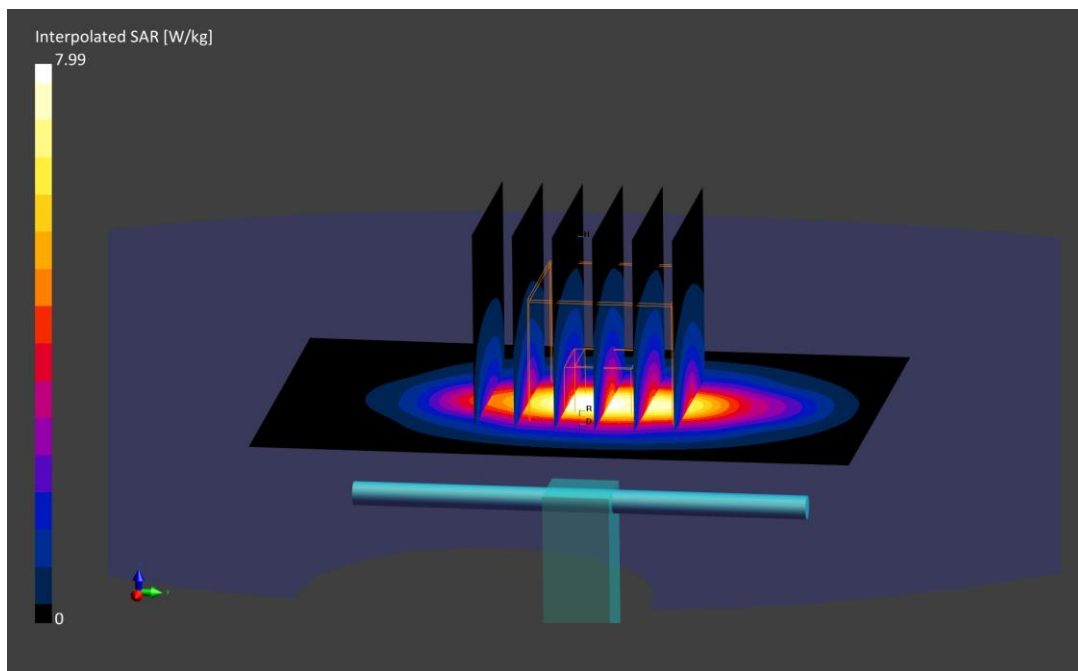
**Area Scan (60.0 x 90.0):** Measurement grid: dx=15.0mm, dy=15.0mm

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

Peak SAR (extrapolated) = 7.99 W/kg

**SAR(1 g) = 4.24 W/kg**

Deviation (1 g) = 7.89%



# PCTEST

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

Communication System: UID: 0--, CW; Frequency: 2450.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2450.0 MHz; cond = 1.85 S/m; perm = 38.8; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 1.0 cm

Test Date: 06/14/2021; Ambient Temp: 21.5°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7526; ConvF:(7.29,7.29,7.29); Calibrated: 2021-03-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1272; Calibrated: 2021-03-18  
Phantom: Twin-SAM V5.0 (left); Serial: 1758  
Measurement SW: cDASY6 Module SAR V6.14.0.959

## 2450.0 MHz System Verification at 20.0 dBm

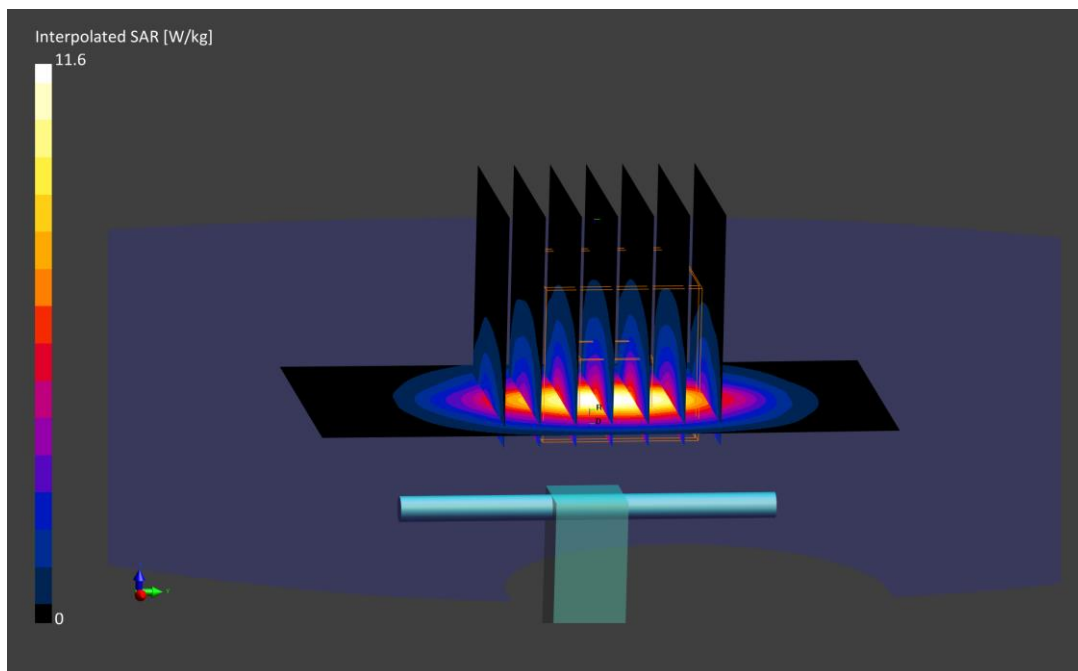
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0mm, dy=10.0mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0mm, dy=5.0mm, dz=1.5mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 11.6 W/kg

**SAR(1 g) = 5.40 W/kg**

Deviation (1 g) = 5.06%



# PCTEST

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 719**

Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: 2450 Head Medium parameters used:

$f = 2450 \text{ MHz}$ ;  $\sigma = 1.82 \text{ S/m}$ ;  $\epsilon_r = 37.301$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 07/07/2021; Ambient Temp: 25.0°C; Tissue Temp: 24.0°C

Probe: EX3DV4 - SN7571; ConvF(7.28, 7.28, 7.28) @ 2450 MHz; Calibrated: 12/11/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1533; Calibrated: 12/7/2020

Phantom: SAM 5.0 front; Type: QD000P40CD; Serial: 1648

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

## 2450 MHz System Verification at 20.0 dBm (100 mW)

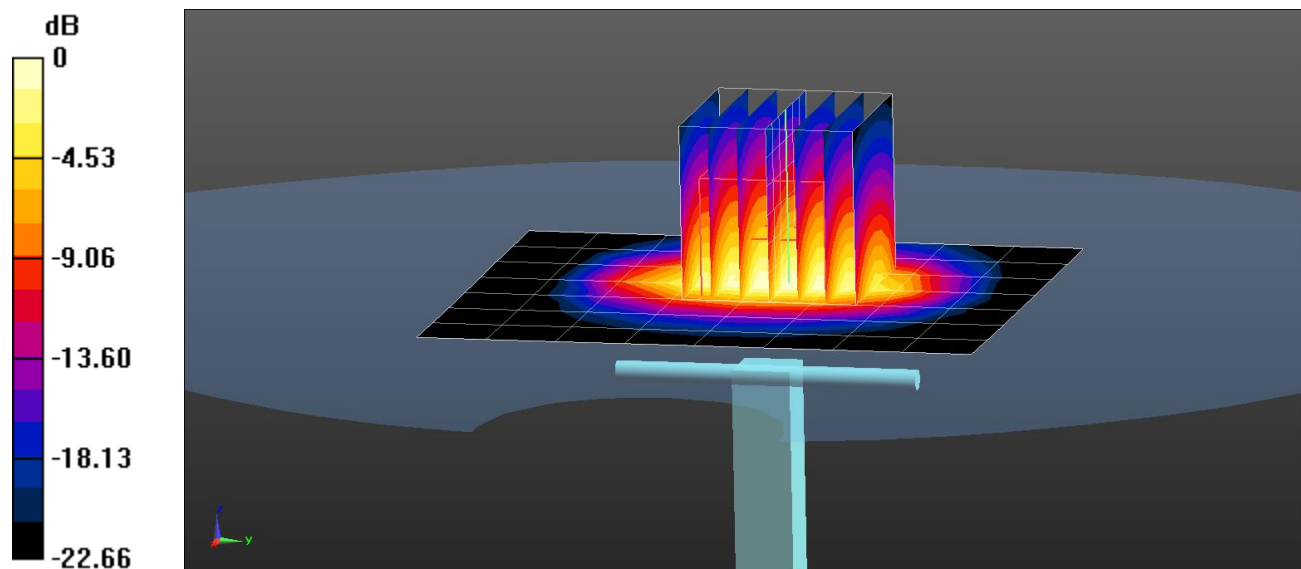
**Area Scan (8x9x1):** Measurement grid: dx=12mm, dy=12mm

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 11.4 W/kg

**SAR(1 g) = 5.28 W/kg**

Deviation(1 g) = 2.72%



0 dB = 8.94 W/kg = 9.51 dBW/kg

# PCTEST

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

Communication System: UID: 0--, CW; Frequency: 2600.0 MHz  
Medium: 2450 Head; Medium parameters used:  
f = 2600.0 MHz; cond = 1.97 S/m; perm = 38.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 1.0 cm

Test Date: 06/14/2021; Ambient Temp: 21.5°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7526; ConvF:(7.04,7.04,7.04); Calibrated: 2021-03-16  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1272; Calibrated: 2021-03-18  
Phantom: Twin-SAM V5.0 (left); Serial: 1758  
Measurement SW: cDASY6 Module SAR V6.14.0.959

## **2600.0 MHz System Verification at 20.0 dBm**

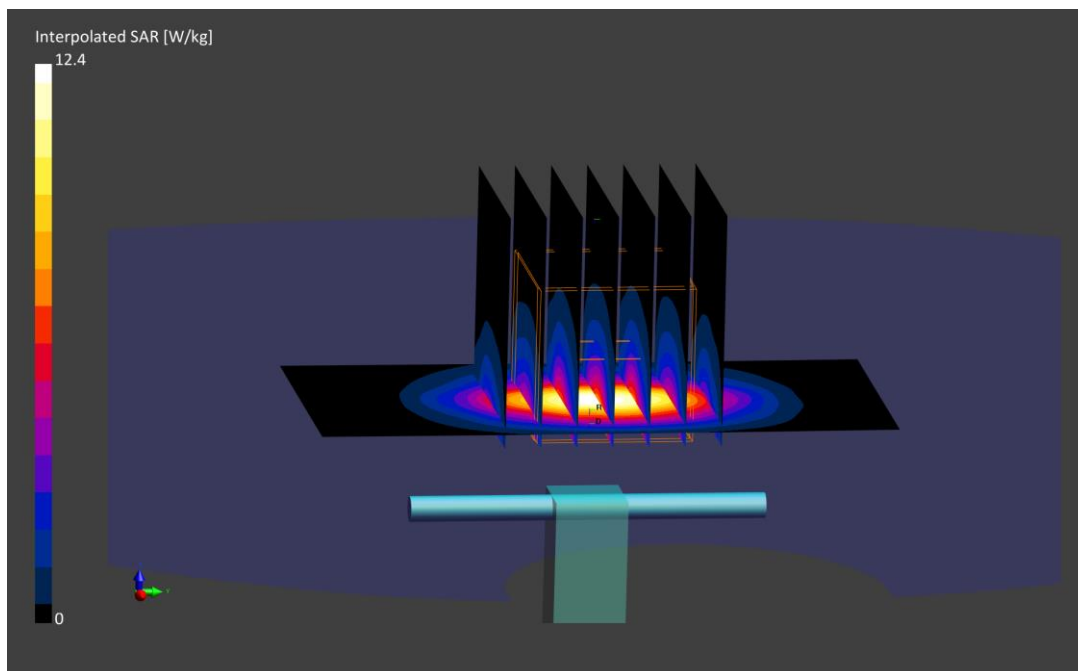
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0mm, dy=10.0mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0mm, dy=5.0mm, dz=1.5mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 12.4 W/kg

**SAR(1 g) = 5.74 W/kg**

Deviation (1 g) = -1.20%





# PCTEST

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 719**

Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: 2450 Head Medium parameters used:

$f = 2600$  MHz;  $\sigma = 1.934$  S/m;  $\epsilon_r = 37.112$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 07/07/2021; Ambient Temp: 25.0°C; Tissue Temp: 24.0°C

Probe: EX3DV4 - SN7571; ConvF(7.05, 7.05, 7.05) @ 2600 MHz; Calibrated: 12/11/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1533; Calibrated: 12/7/2020

Phantom: SAM 5.0 front; Type: QD000P40CD; Serial: 1648

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

## 2600 MHz System Verification at 20.0 dBm (100 mW)

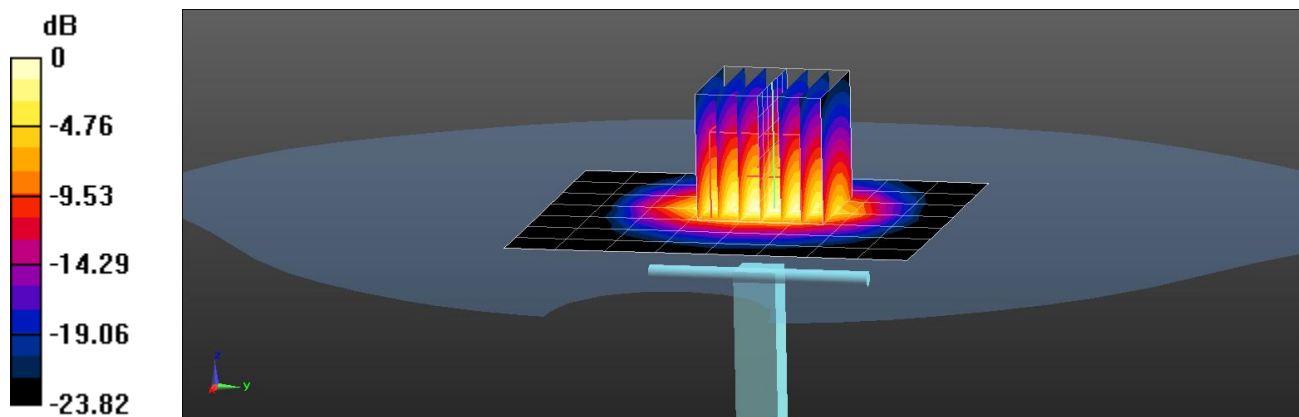
**Area Scan (8x9x1):** Measurement grid: dx=12mm, dy=12mm

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 13.1 W/kg

**SAR(1 g) = 6 W/kg**

Deviation(1 g) = 3.27%



0 dB = 10.3 W/kg = 10.13 dBW/kg

# PCTEST

**DUT: Dipole 750 MHz; Type: D750V3; Serial: 1003**

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

Medium: 750 Body Medium parameters used:

$f = 750 \text{ MHz}$ ;  $\sigma = 0.983 \text{ S/m}$ ;  $\epsilon_r = 54.697$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/31/2021; Ambient Temp: 23.8°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7357; ConvF(10.29, 10.29, 10.29) @ 750 MHz; Calibrated: 4/19/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1407; Calibrated: 4/7/2021

Phantom: Front; Type: QD 000 P40 CD; Serial: 1686

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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

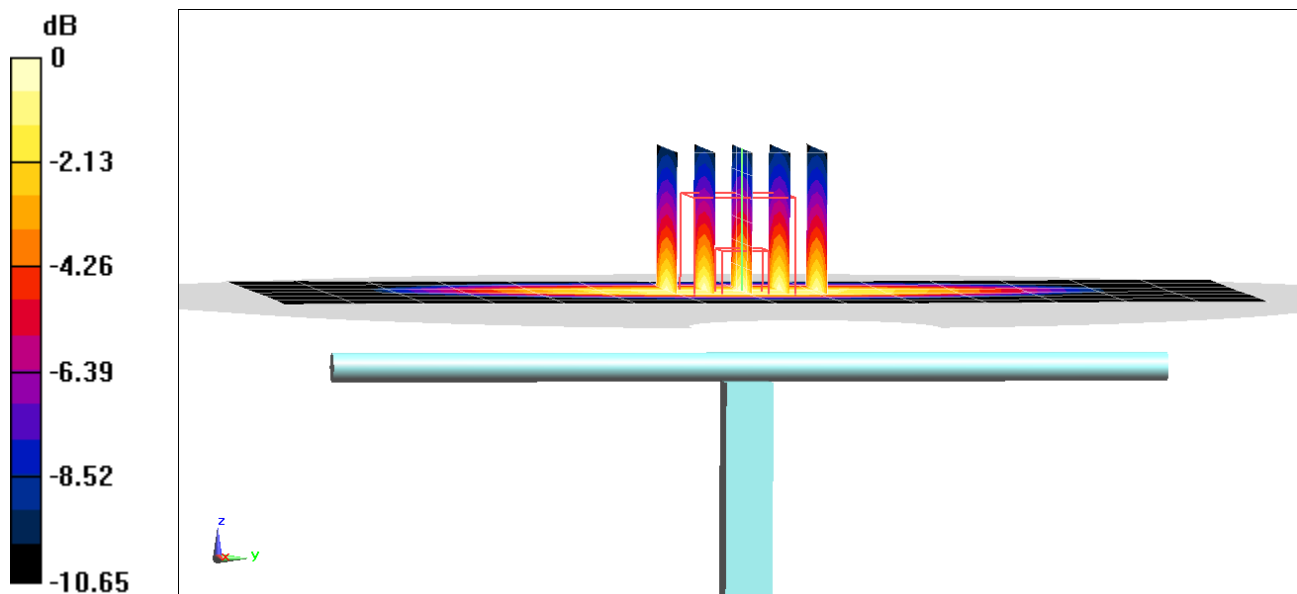
**Area Scan (7x15x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.74 W/kg

**SAR(1 g) = 1.74 W/kg**

Deviation(1 g) = 1.05%



# PCTEST

**DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d047**

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

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$ ;  $\sigma = 0.958 \text{ S/m}$ ;  $\epsilon_r = 52.788$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/06/2021; Ambient Temp: 22.3°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7308; ConvF(9.92, 9.92, 9.92) @ 835 MHz; Calibrated: 7/31/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1450; Calibrated: 8/11/2020

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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

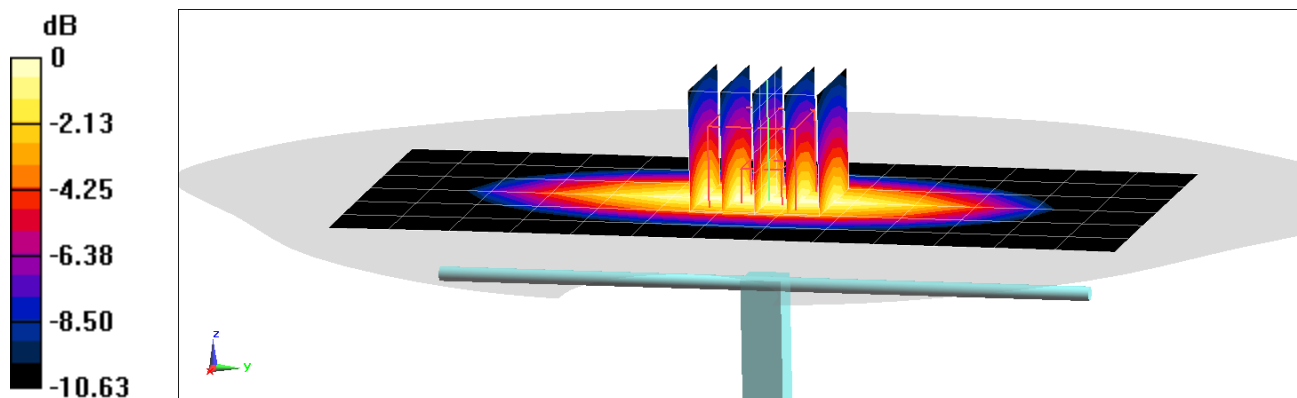
**Area Scan (7x14x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 3.03 W/kg

**SAR(1 g) = 1.96 W/kg**

Deviation(1 g) = 3.48%



0 dB = 2.65 W/kg = 4.23 dBW/kg

# PCTEST

**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 = 1.48 S/m; perm = 53.4; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 1.0 cm

Test Date: 06/06/2021; Ambient Temp: 22.9°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7539; ConvF:(8.16,8.16,8.16); Calibrated: 2020-10-20  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10  
Phantom: Twin-SAM V8.0 (Right); Serial: 1966  
Measurement SW: cDASY6 Module SAR V6.14.0.959

## 1750.0 MHz System Verification at 20.0 dBm

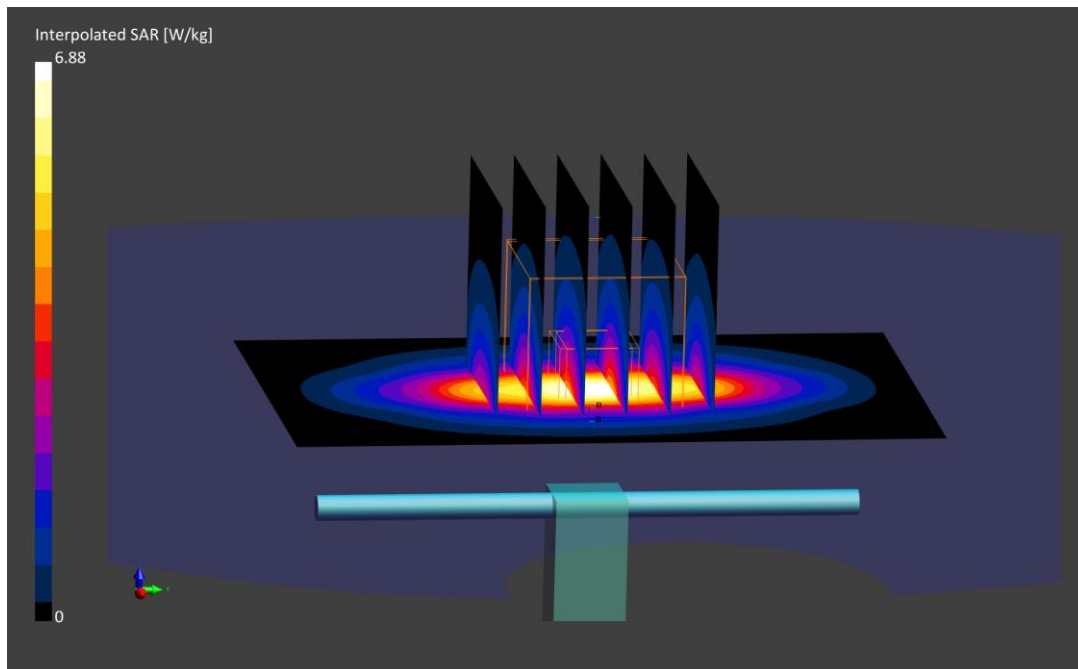
**Area Scan (60.0 x 90.0):** Measurement grid: dx=15.0mm, dy=15.0mm

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

Peak SAR (extrapolated) = 6.88 W/kg

**SAR(1 g) = 3.74 W/kg**

Deviation (1 g) = 3.03%



# PCTEST

**DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1148**

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: 1750 Body Medium parameters used:

$f = 1750 \text{ MHz}$ ;  $\sigma = 1.53 \text{ S/m}$ ;  $\epsilon_r = 51.423$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06/16/2021; Ambient Temp: 24.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7308; ConvF(8.2, 8.2, 8.2) @ 1750 MHz; Calibrated: 7/31/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1450; Calibrated: 8/11/2020

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

## 1750 MHz System Verification at 20.0 dBm (100 mW)

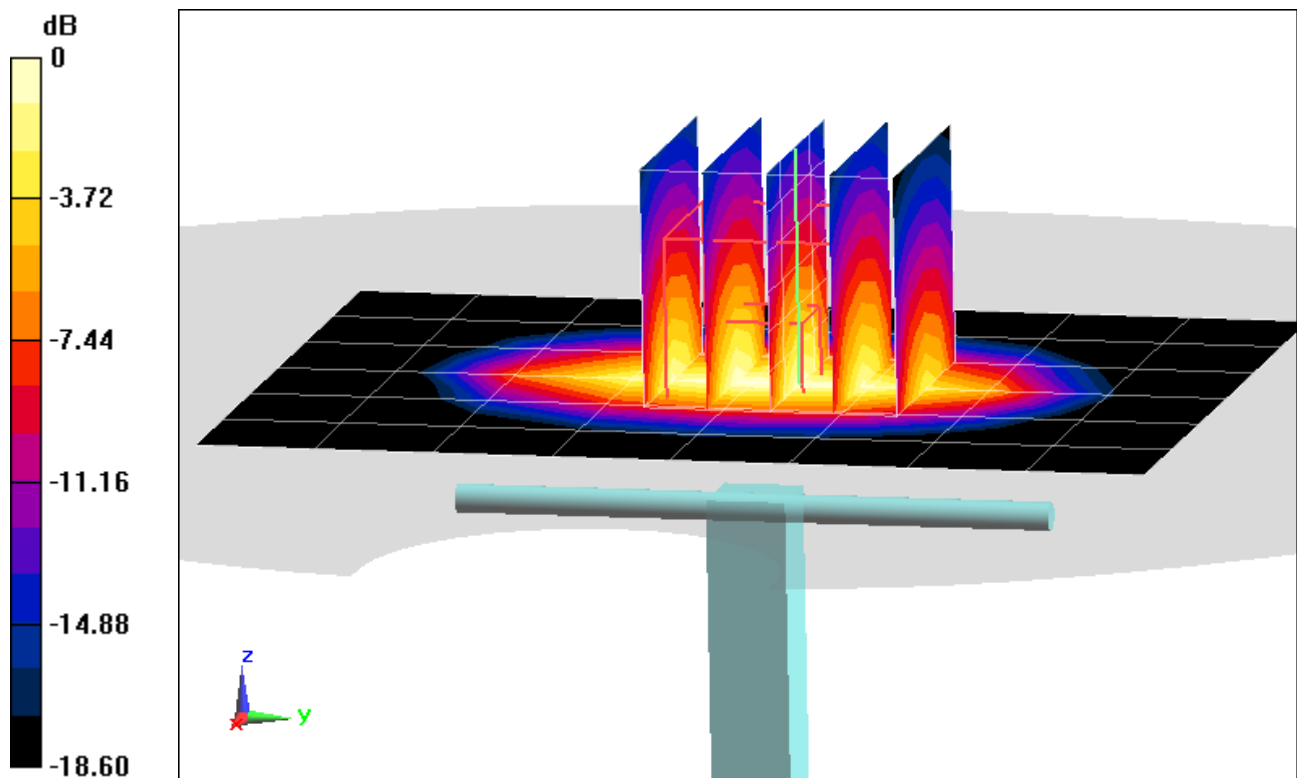
**Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.08 W/kg

**SAR(1 g) = 3.73 W/kg**

Deviation(1 g) = 2.75%



0 dB = 5.77 W/kg = 7.61 dBW/kg

# PCTEST

**DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1150**

Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1

Medium: 1750 Body Medium parameters used:

$f = 1750 \text{ MHz}$ ;  $\sigma = 1.542 \text{ S/m}$ ;  $\epsilon_r = 50.88$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06/20/2021; Ambient Temp: 22.0°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7308; ConvF(8.2, 8.2, 8.2) @ 1750 MHz; Calibrated: 7/31/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1450; Calibrated: 8/11/2020

Phantom: Twin-SAM V5.0; Type: QD 000 P40 CD; Serial: 1792

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

## 1750 MHz System Verification at 20.0 dBm (100 mW)

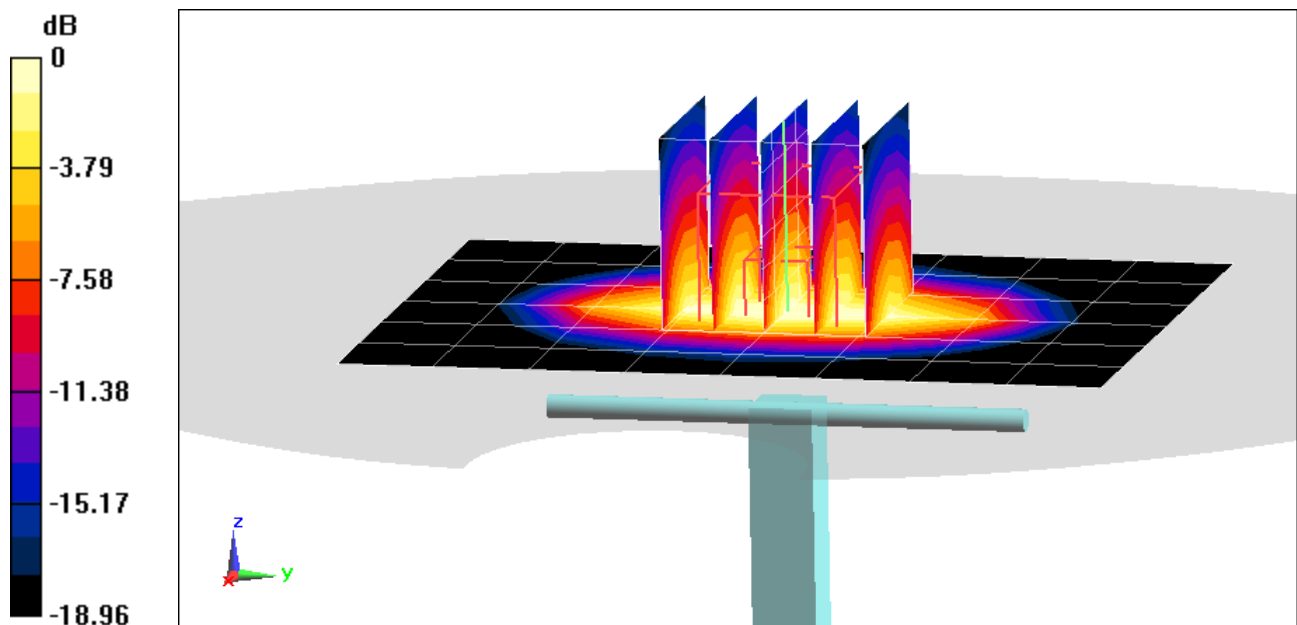
**Area Scan (7x9x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.04 W/kg

**SAR(1 g) = 3.6 W/kg; SAR(10 g) = 1.86 W/kg**

Deviation(1 g) = -1.64%; Deviation(10 g) = -4.12%



0 dB = 5.59 W/kg = 7.47 dBW/kg

# PCTEST

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d080**

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 Body Medium parameters used:

$f = 1900$  MHz;  $\sigma = 1.541$  S/m;  $\epsilon_r = 52.431$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06/15/2021; Ambient Temp: 23.8°C; Tissue Temp: 24.4°C

Probe: EX3DV4 - SN7410; ConvF(7.76, 7.76, 7.76) @ 1900 MHz; Calibrated: 7/20/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1322; Calibrated: 7/15/2020

Phantom: Twin-SAM V5.0 Left 20; Type: QD 000 P40 CD; Serial: 1715

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

## 1900 MHz System Verification at 20.0 dBm (100 mW)

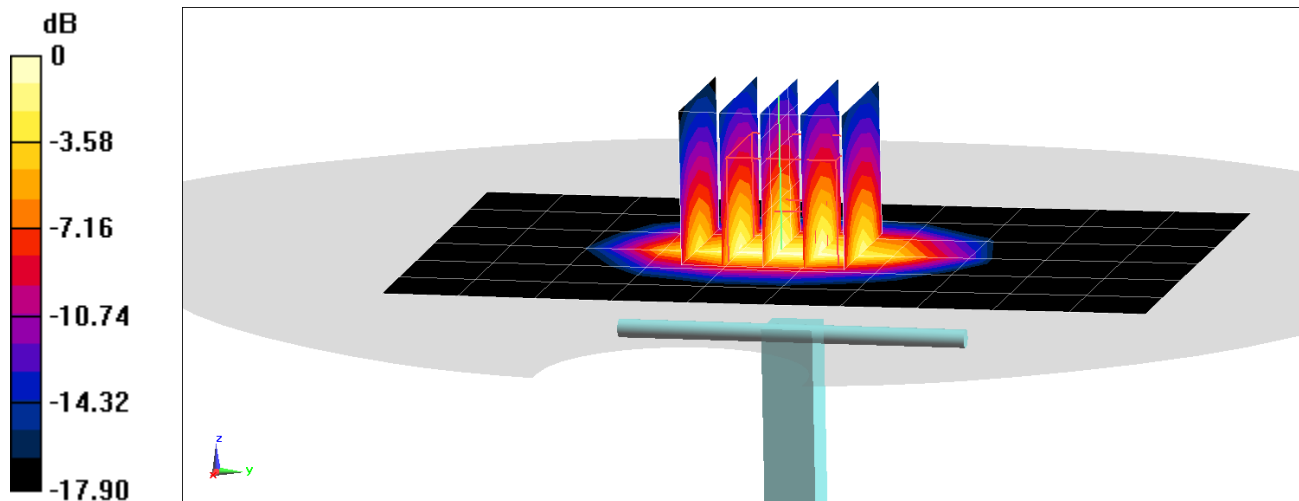
**Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.63 W/kg

**SAR(1 g) = 4.22 W/kg**

Deviation(1 g) = 7.65%



0 dB = 6.43 W/kg = 8.08 dBW/kg

# PCTEST

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d149**

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 Body Medium parameters used:

$f = 1900$  MHz;  $\sigma = 1.511$  S/m;  $\epsilon_r = 52.285$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06/22/2021; Ambient Temp: 24.0°C; Tissue Temp: 24.5°C

Probe: EX3DV4 - SN7410; ConvF(7.76, 7.76, 7.76) @ 1900 MHz; Calibrated: 7/20/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1322; Calibrated: 7/15/2020

Phantom: Twin-SAM V5.0 Left 20; Type: QD 000 P40 CD; Serial: 1715

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

## 1900 MHz System Verification at 20.0 dBm (100 mW)

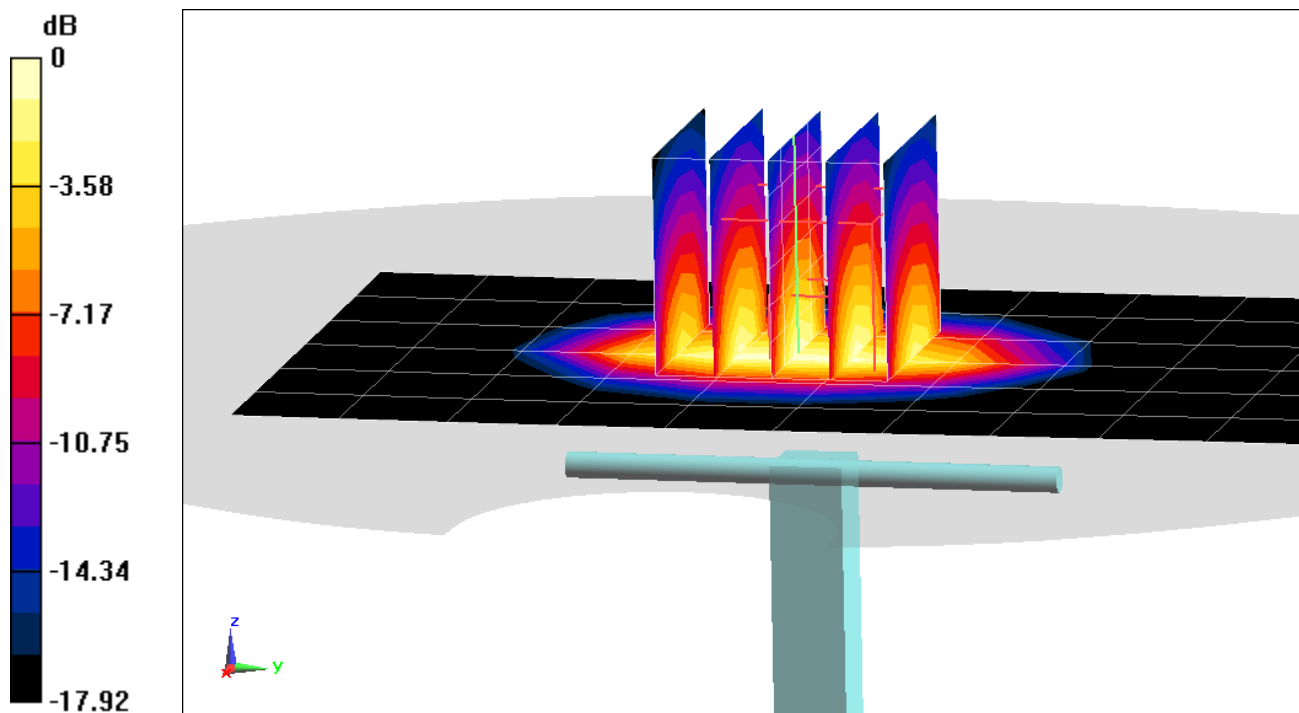
**Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.44 W/kg

**SAR(10 g) = 2.19 W/kg**

Deviation(10 g) = 5.80%



0 dB = 6.24 W/kg = 7.95 dBW/kg



# PCTEST

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d149**

Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 Body Medium parameters used:

$f = 1900$  MHz;  $\sigma = 1.532$  S/m;  $\epsilon_r = 52.096$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06/24/2021; Ambient Temp: 22.6°C; Tissue Temp: 24.0°C

Probe: EX3DV4 - SN7410; ConvF(7.76, 7.76, 7.76) @ 1900 MHz; Calibrated: 7/20/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1322; Calibrated: 7/15/2020

Phantom: Twin-SAM V5.0 Left 20; Type: QD 000 P40 CD; Serial: 1715

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

## 1900 MHz System Verification at 20.0 dBm (100 mW)/

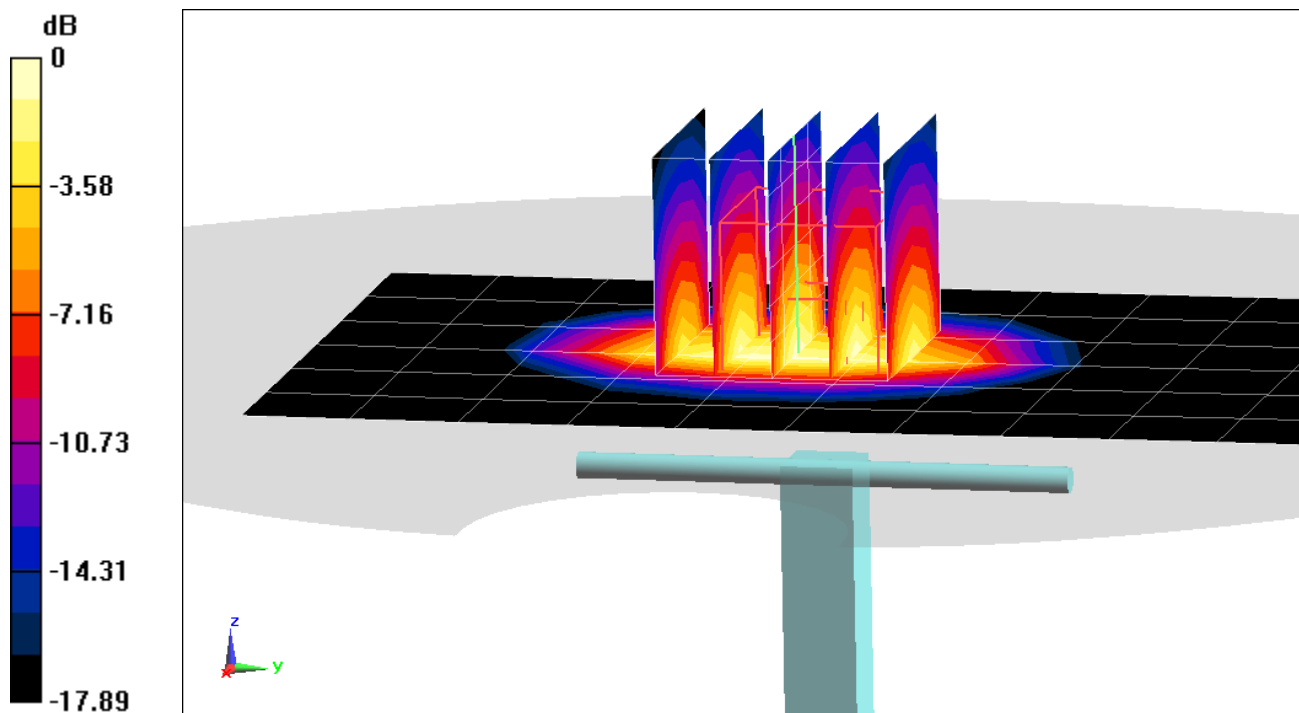
**Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.63 W/kg

**SAR(1 g) = 4.25 W/kg; SAR(10 g) = 2.22 W/kg**

Deviation(1 g) = 7.87%; Deviation(10 g) = 7.25%



0 dB = 6.46 W/kg = 8.10 dBW/kg

# PCTEST

**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 = 2.01 S/m; perm = 52.1; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 1.0 cm

Test Date: 06/14/2021; Ambient Temp: 21.3°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7539; ConvF:(7.62,7.62,7.62); Calibrated: 2020-10-20  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10  
Phantom: Twin-SAM V8.0 (Right); Serial: 1966  
Measurement SW: cDASY6 Module SAR V6.14.0.959

## 2450.0 MHz System Verification at 20.0 dBm

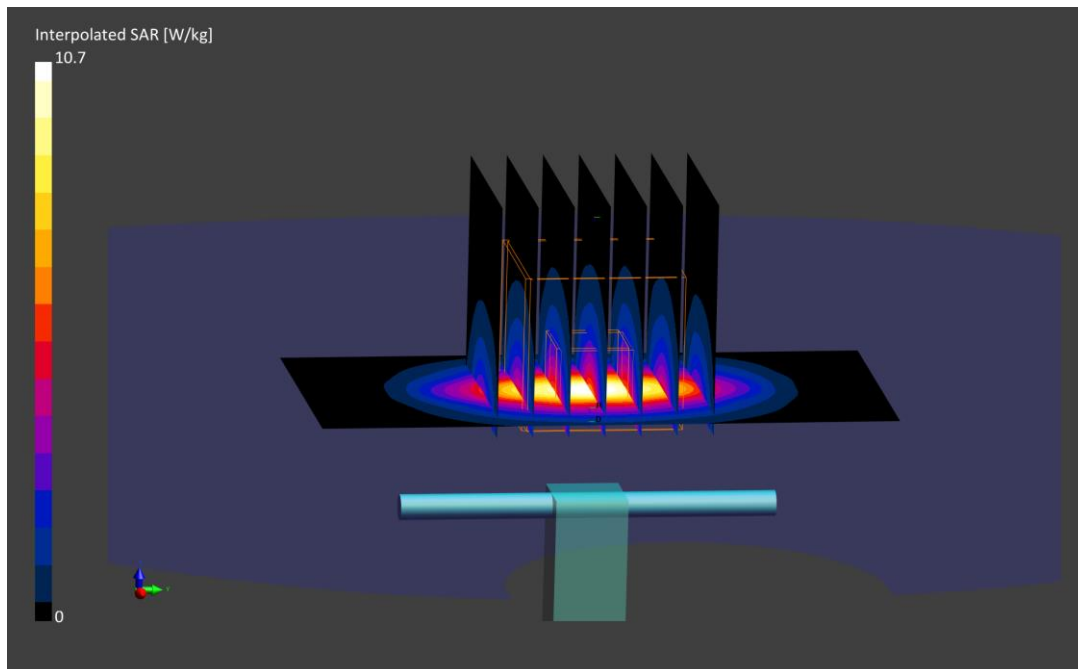
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0mm, dy=10.0mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0mm, dy=5.0mm, dz=1.5mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 10.7 W/kg

**SAR(1 g) = 5.10 W/kg**

Deviation (1 g) = 1.80%



# PCTEST

**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 = 2.05 S/m; perm = 51.0; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 1.0 cm

Test Date: 06/14/2021; Ambient Temp: 23.3°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7538; ConvF:(7.44,7.44,7.44); Calibrated: 2020-11-23

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

Electronics: DAE4 Sn1449; Calibrated: 2020-09-10

Phantom: Twin-SAM V5.0 (Leftt); Serial: 1873

Measurement SW: cDASY6 Module SAR V6.14.0.959

## 2450.0 MHz System Verification at 20.0 dBm

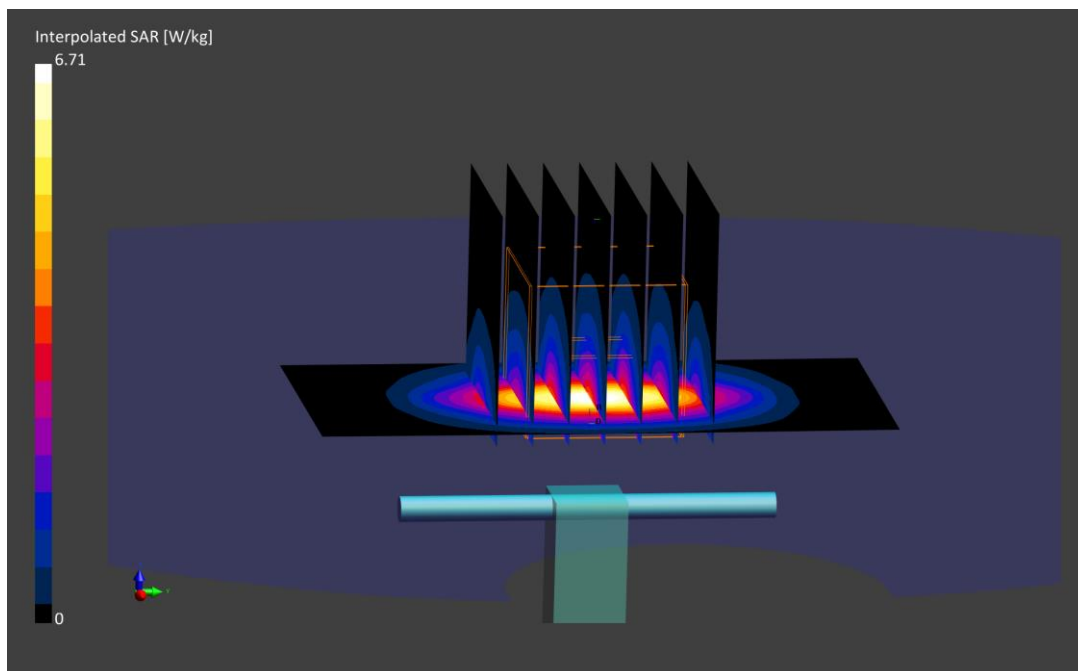
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0mm, dy=10.0mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0mm, dy=5.0mm, dz=1.5mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 11.2 W/kg

**SAR(1 g) = 5.15 W/kg**

Deviation (1 g) = 1.58%



# PCTEST

**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 = 2.05 S/m; perm = 51.6; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 07/06/2021; Ambient Temp: 23.8°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7538; ConvF:(7.44,7.44,7.44); Calibrated: 2020-11-23  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1449; Calibrated: 2020-09-10  
Phantom: Twin-SAM V5.0 (Leftt); Serial: 1873  
Measurement SW: cDASY6 Module SAR V6.14.0.959

## 2450.0 MHz System Verification at 20.0 dBm

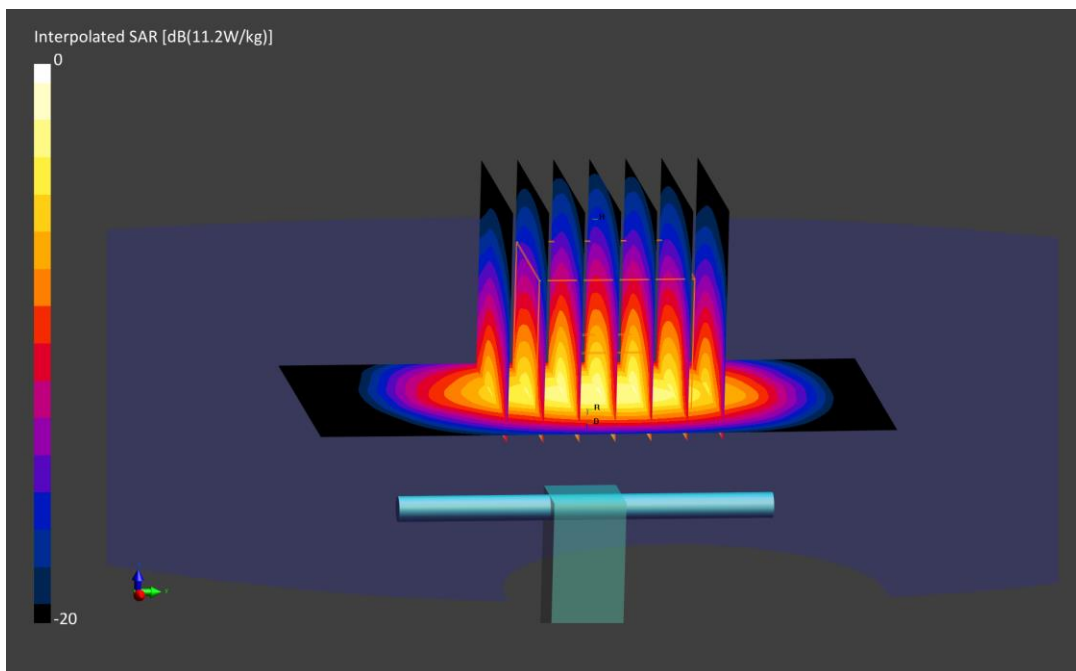
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0mm, dy=10.0mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0mm, dy=5.0mm, dz=1.5mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 11.2 W/kg

**SAR(1 g) = 5.22 W/kg; SAR(10 g) = 2.40 W/kg**

Deviation (1 g) = 2.96%; Deviation (10 g) = 0.42%



# PCTEST

**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 = 2.15 S/m; perm = 51.9; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 1.0 cm

Test Date: 06/14/2021; Ambient Temp: 21.3°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7539; ConvF:(7.55,7.55,7.55); Calibrated: 2020-10-20  
Sensor-Surface: 1.4mm (VMS + 6p)  
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10  
Phantom: Twin-SAM V8.0 (Right); Serial: 1966  
Measurement SW: cDASY6 Module SAR V6.14.0.959

## 2600.0 MHz System Verification at 20.0 dBm

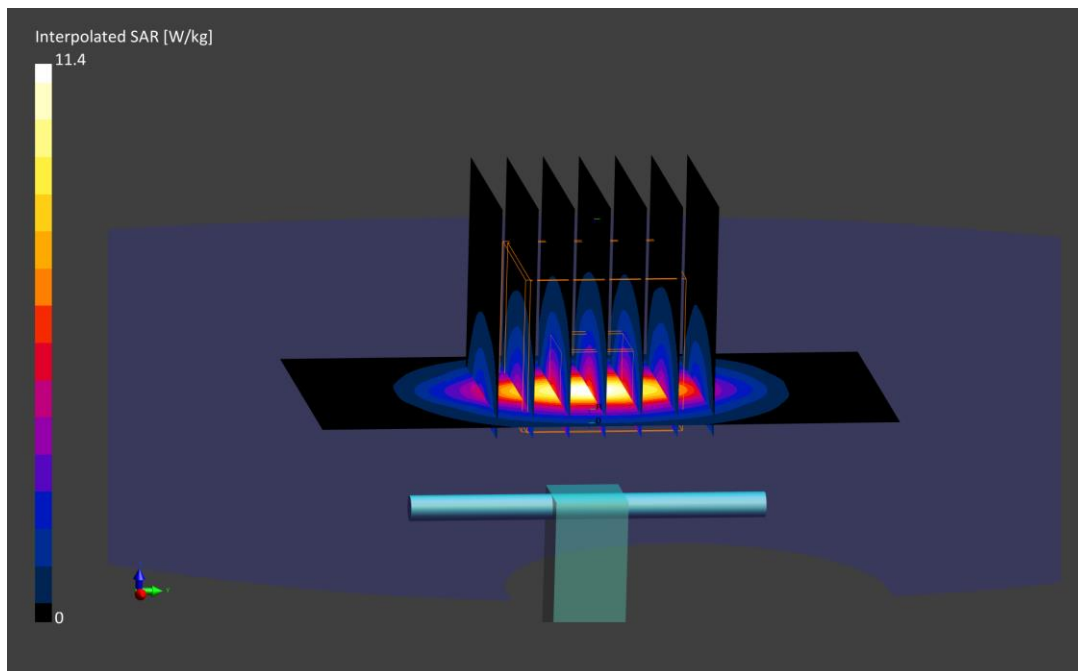
**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0mm, dy=10.0mm

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0mm, dy=5.0mm, dz=1.5mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 11.4 W/kg

**SAR(1 g) = 5.21 W/kg**

Deviation (1 g) = -4.05%



# PCTEST

**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 = 2.22 S/m; perm = 51.2; density = 1000 kg/m<sup>3</sup>  
Phantom Section: Flat; Space: 10 mm

Test Date: 07/06/2021; Ambient Temp: 23.8°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7538; ConvF:(7.25,7.25,7.25); Calibrated: 2020-11-23

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

Electronics: DAE4 Sn1449; Calibrated: 2020-09-10

Phantom: Twin-SAM V5.0 (Leftt); Serial: 1873

Measurement SW: cDASY6 Module SAR V6.14.0.959

## 2600.0 MHz System Verification at 20.0 dBm

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

**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0mm, dy=5.0mm, dz=1.5mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 12.6 W/kg

**SAR(1 g) = 5.55 W/kg; SAR(10 g) = 2.45 W/kg**

Deviation (1 g) = -0.18%; Deviation (10 g) = -2.00%

