

APPENDIX B: SYSTEM VERIFICATION

PCTEST

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1161

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.92 \text{ S/m}$; $\epsilon_r = 42.068$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/13/2021; Ambient Temp: 24.5°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7571; ConvF(10.02, 10.02, 10.02) @ 750 MHz; Calibrated: 12/11/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1647

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

750 MHz System Verification at 23.0 dBm (200 mW)

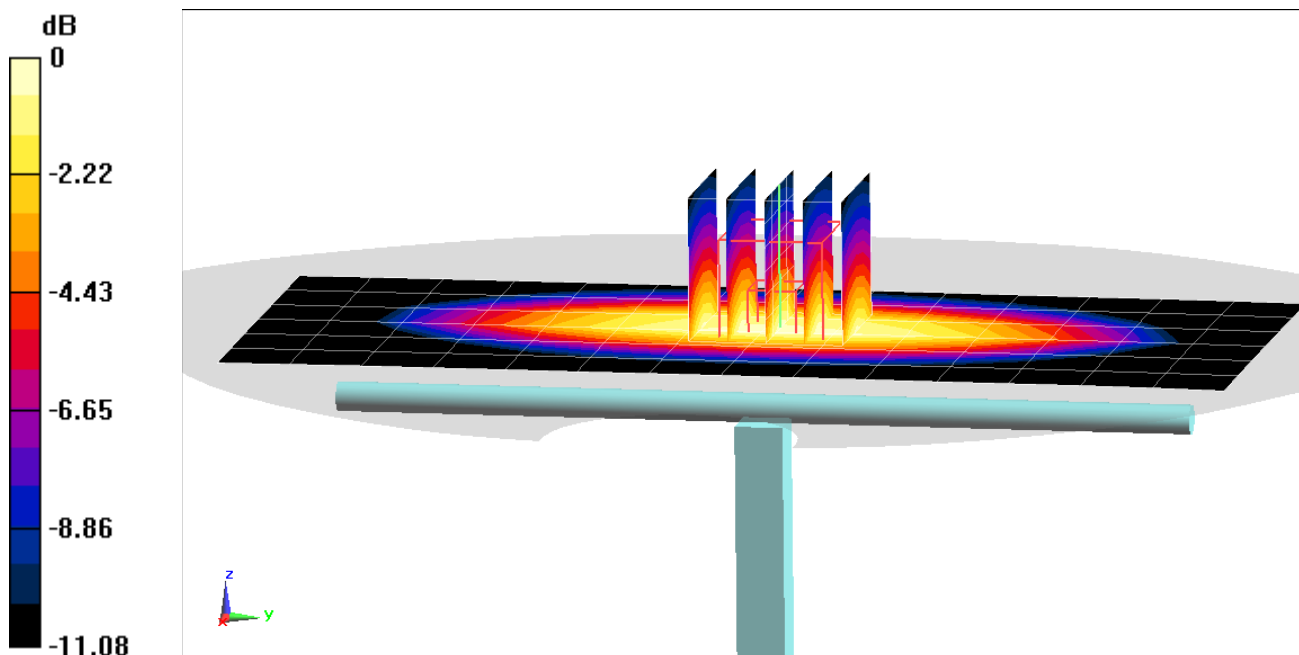
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.72 W/kg

SAR(1 g) = 1.72 W/kg

Deviation(1 g) = 7.10%



0 dB = 2.37 W/kg = 3.75 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 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.922 \text{ S/m}$; $\epsilon_r = 42.434$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/15/2021; Ambient Temp: 24.3°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7571; ConvF(10.02, 10.02, 10.02) @ 750 MHz; Calibrated: 12/11/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1647

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

750 MHz System Verification at 23.0 dBm (200 mW)

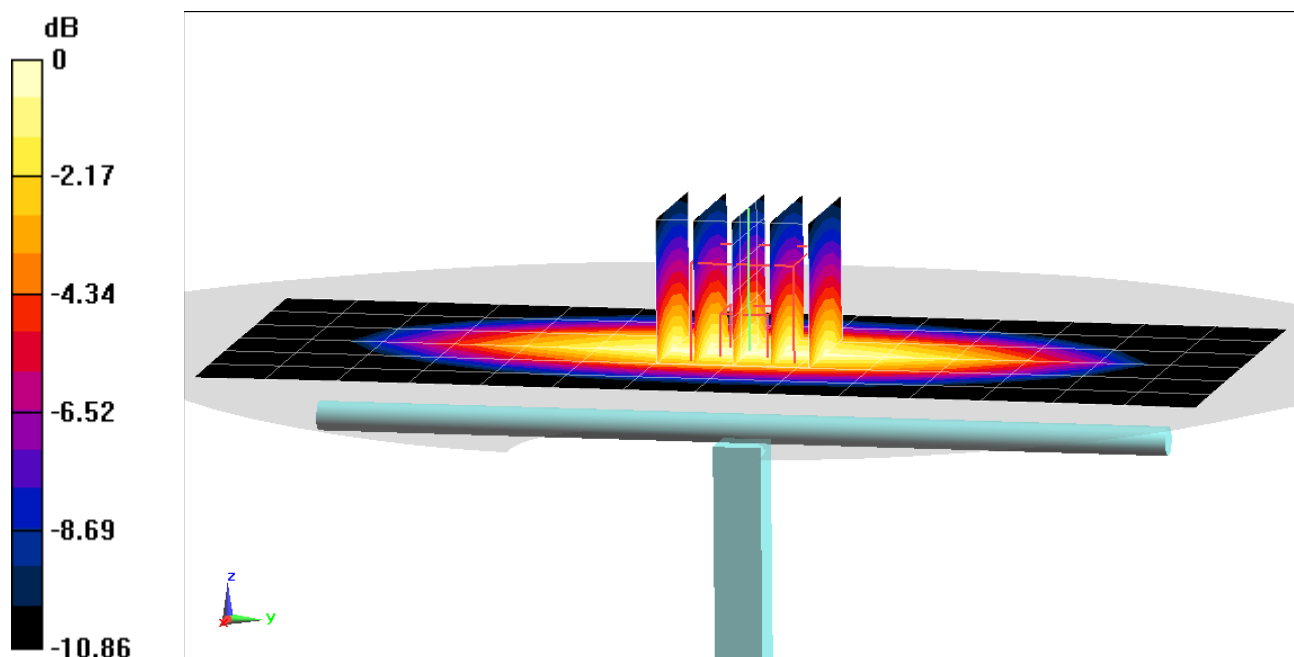
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.71 W/kg

SAR(1 g) = 1.74 W/kg

Deviation(1 g) = -0.91%



0 dB = 2.36 W/kg = 3.73 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 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 42.153$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/23/2021; Ambient Temp: 22.2°C; Tissue Temp: 22.2°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)

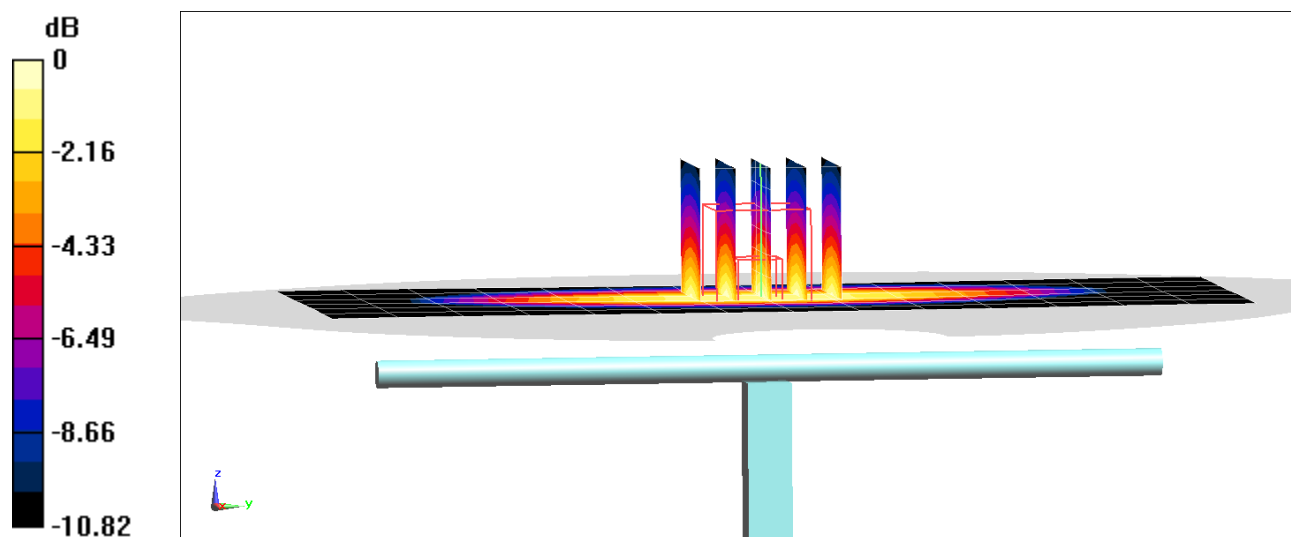
Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.63 W/kg

SAR(1 g) = 1.69 W/kg

Deviation(1 g) = -3.76%



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

PCTEST

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

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

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 40.419$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/18/2021; Ambient Temp: 24.0°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7308; ConvF(10.17, 10.17, 10.17) @ 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)

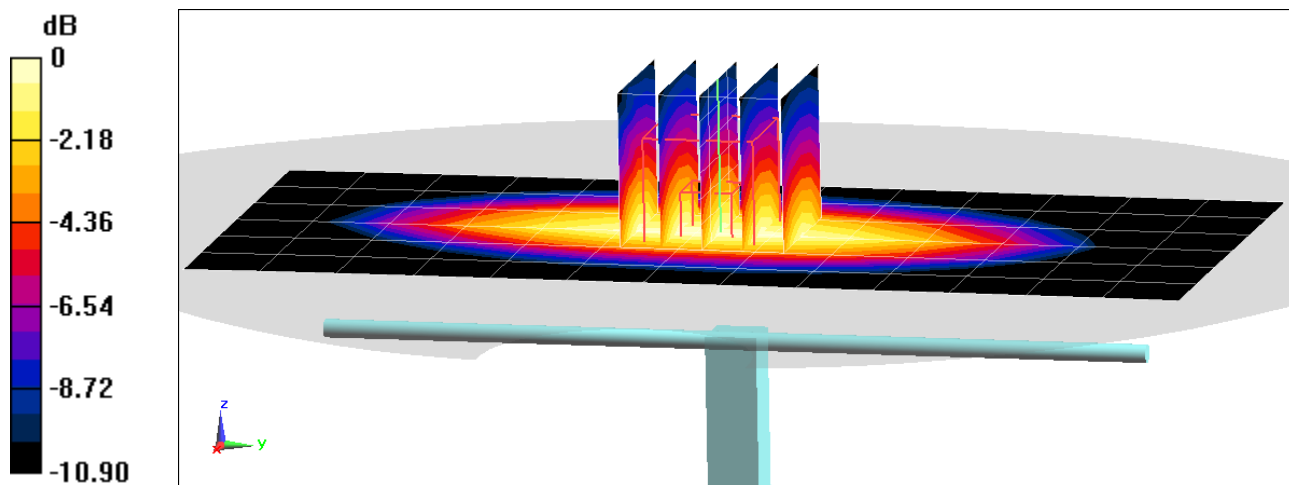
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 1.88 W/kg

Deviation(1 g) = -0.21%



0 dB = 2.55 W/kg = 4.07 dBW/kg

PCTEST

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

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

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.888 \text{ S/m}$; $\epsilon_r = 40.341$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/20/2021; Ambient Temp: 24.0°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7308; ConvF(10.17, 10.17, 10.17) @ 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)

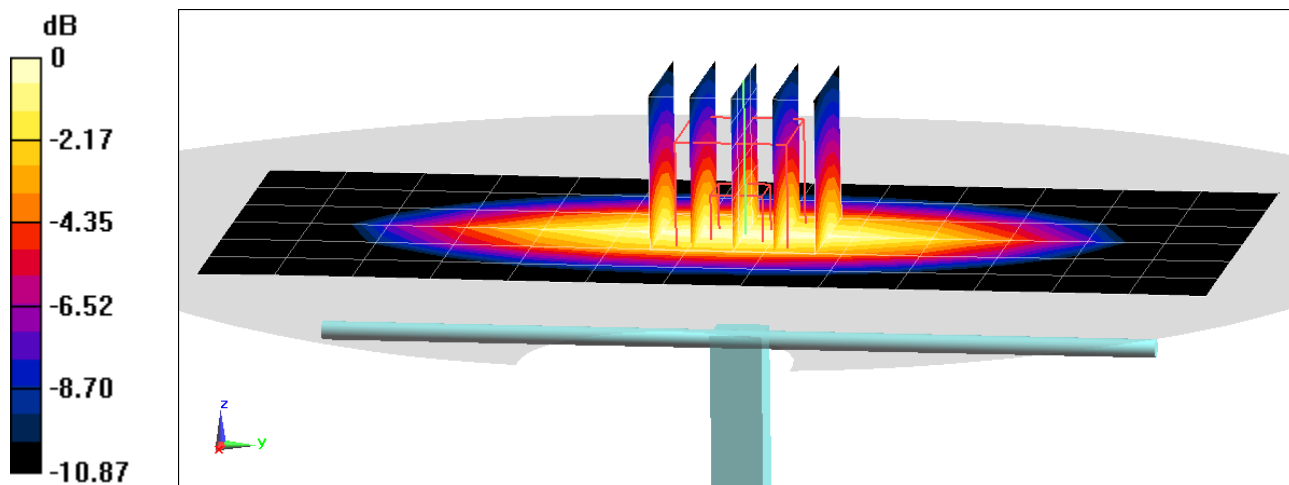
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.89 W/kg

SAR(1 g) = 1.84 W/kg

Deviation(1 g) = -2.34%



0 dB = 2.52 W/kg = 4.01 dBW/kg

PCTEST

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d133

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

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.932 \text{ S/m}$; $\epsilon_r = 41.465$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/01/2021; Ambient Temp: 21.7°C; Tissue Temp: 21.7°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)

835.0 MHz System Verification at 23.0 dBm (200 mW)

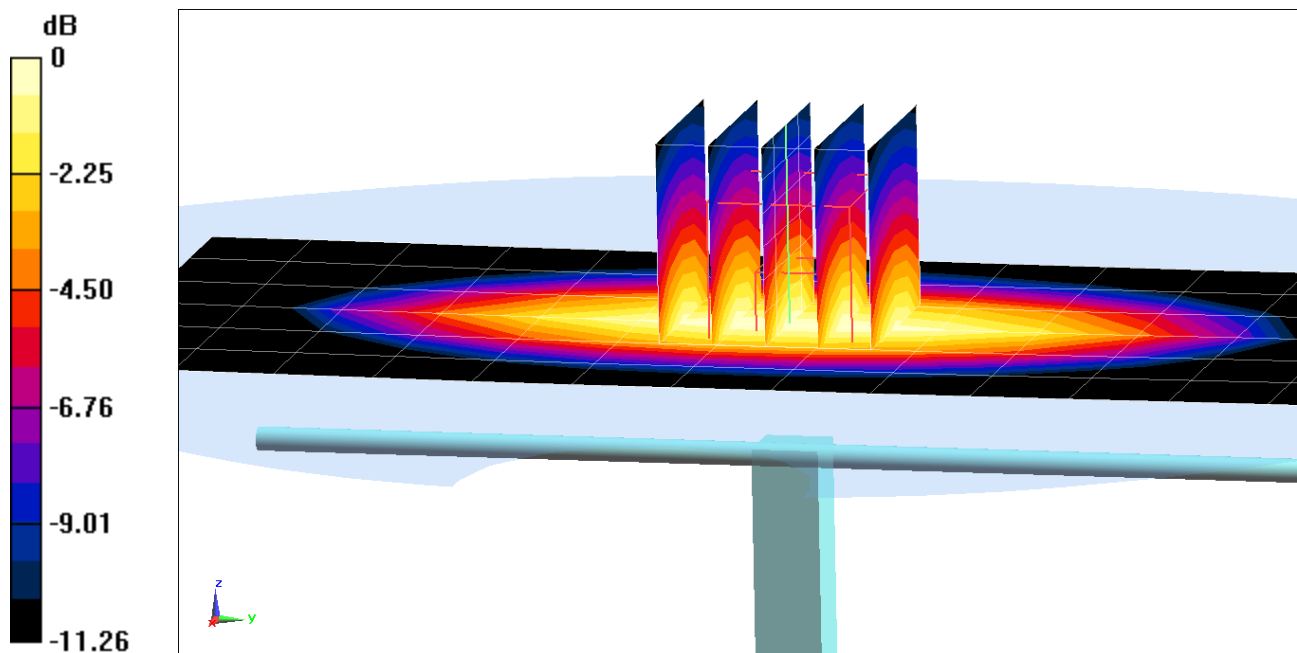
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 2.02 W/kg

Deviation(1 g) = 7.10%



PCTEST

DUT: Dipole 1750.0 MHz; Type: D1750V2; Serial: 1150

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
 $f = 1750.0$ MHz; $\text{cond} = 1.39$ S/m; $\text{perm} = 41.2$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 04/11/2021; Ambient Temp: 22.1°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7526; ConvF:(7.82,7.82,7.82); 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

1750.0 MHz System Verification at 20.0 dBm (100 mW)

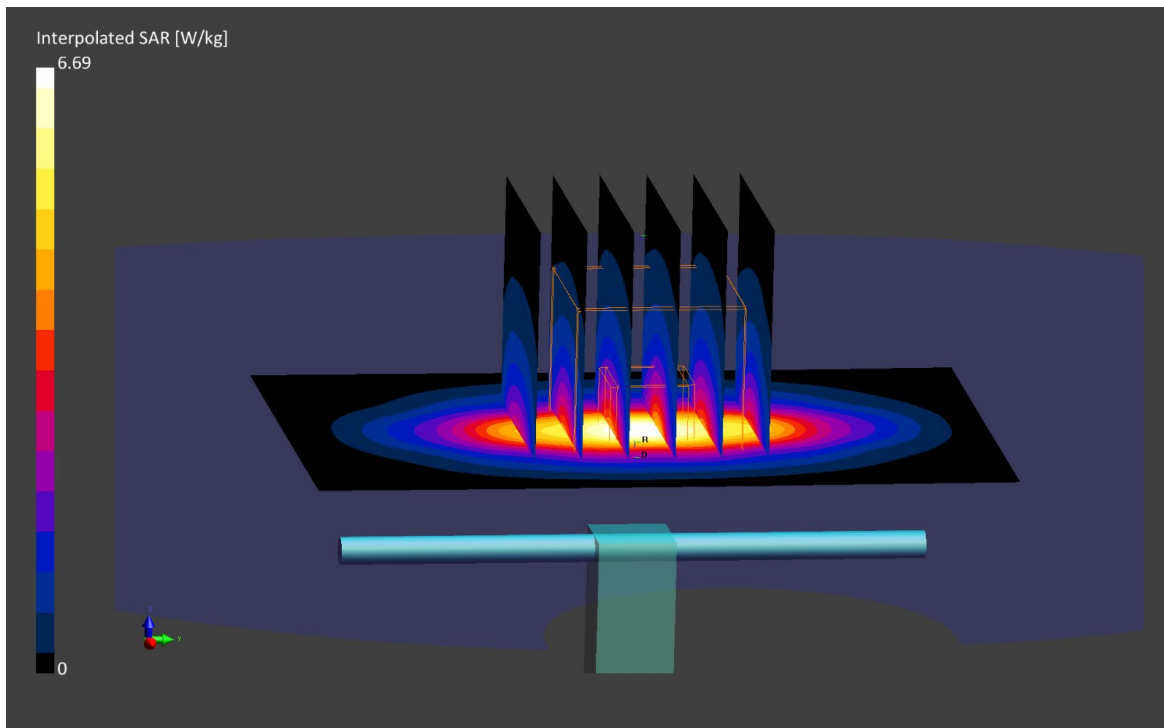
Area Scan (60.0 x 90.0): Measurement grid: $dx=15.0$ mm, $dy=15.0$ mm

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) = 6.69 W/kg

SAR(1 g) = 3.65 W/kg

Deviation (1 g) = 0.00%



PCTEST

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

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

Medium: 1750 Head Medium parameters used:

$f = 1750 \text{ MHz}$; $\sigma = 1.393 \text{ S/m}$; $\epsilon_r = 40.373$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/16/2021; Ambient Temp: 22.0°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7357; ConvF(8.67, 8.67, 8.67) @ 1750 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)

1750 MHz System Verification at 20.0 dBm (100 mW)

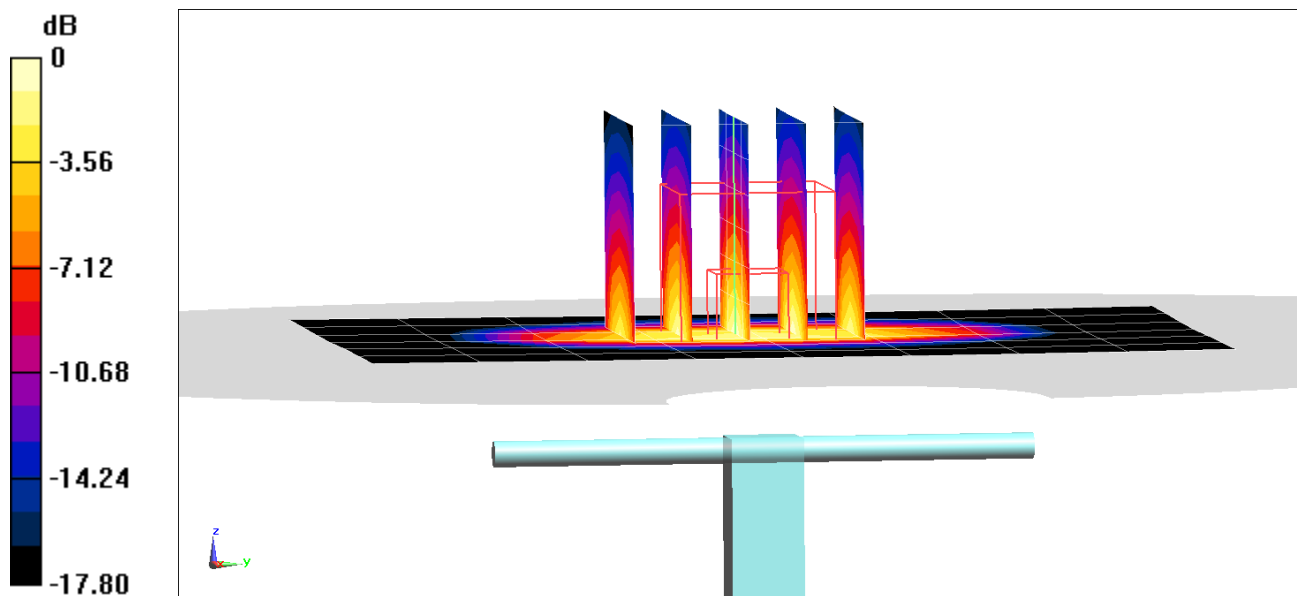
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 6.58 W/kg

SAR(1 g) = 3.51 W/kg;

Deviation(1 g) = -3.84%



PCTEST

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

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

Medium: 1750 Head Medium parameters used:

$f = 1750 \text{ MHz}$; $\sigma = 1.385 \text{ S/m}$; $\epsilon_r = 40.157$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/20/2021; Ambient Temp: 23.8°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7357; ConvF(8.67, 8.67, 8.67) @ 1750 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)

1750 MHz System Verification at 20.0 dBm (100 mW)

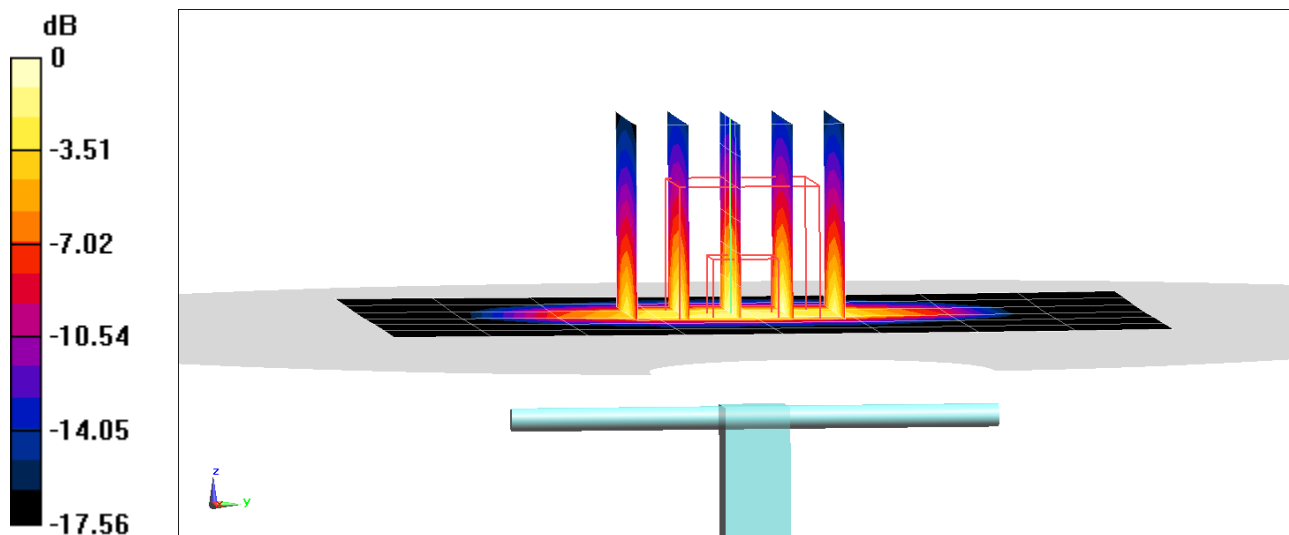
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.00 W/kg

SAR(1 g) = 3.76 W/kg

Deviation(1 g) = 3.01%



0 dB = 5.82 W/kg = 7.65 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 Head Medium parameters used:

$f = 1900 \text{ MHz}$; $\sigma = 1.439 \text{ S/m}$; $\epsilon_r = 39.666$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04/12/2021; Ambient Temp: 23.3°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN7571; ConvF(8.01, 8.01, 8.01) @ 1900 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)

1900 MHz System Verification at 20.0 dBm (100 mW)

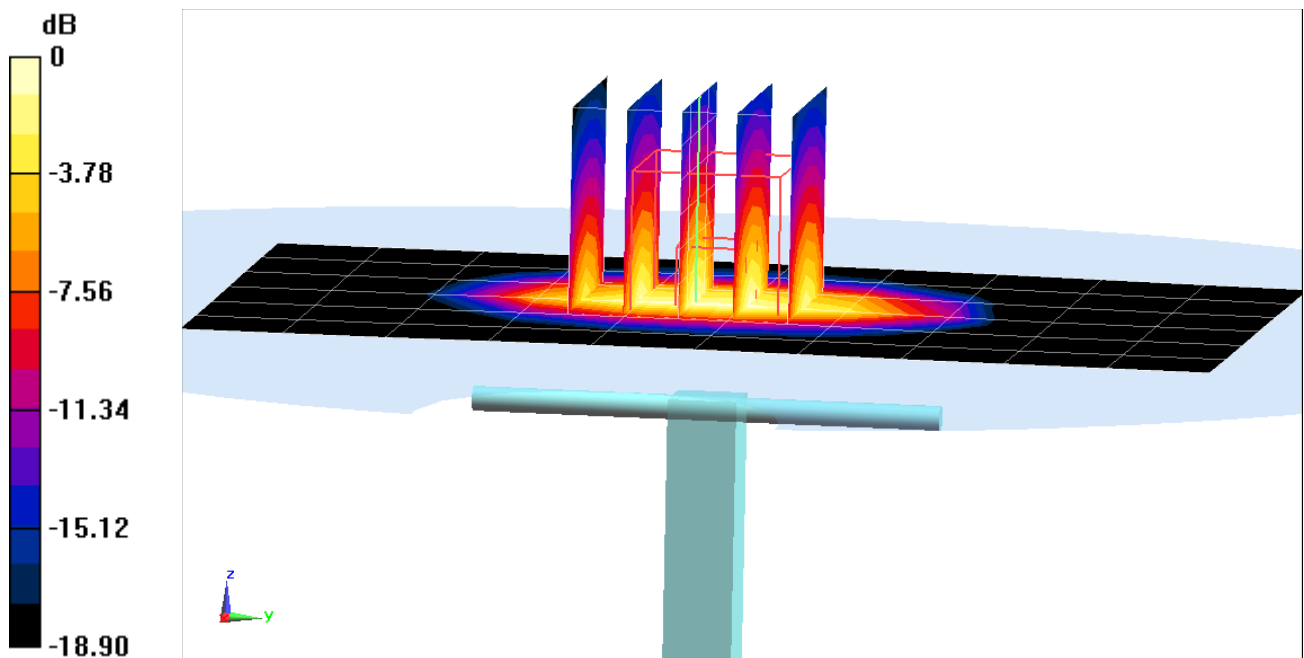
Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 7.75 W/kg

SAR(1 g) = 4.09 W/kg

Deviation(1 g) = 2.76%



0 dB = 6.39 W/kg = 8.06 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 Head Medium parameters used:

$f = 1900 \text{ MHz}$; $\sigma = 1.427 \text{ S/m}$; $\epsilon_r = 39.223$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/31/2021; Ambient Temp: 24.3°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN7571; ConvF(8.01, 8.01, 8.01) @ 1900 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)

1900 MHz System Verification at 20.0 dBm (100 mW)

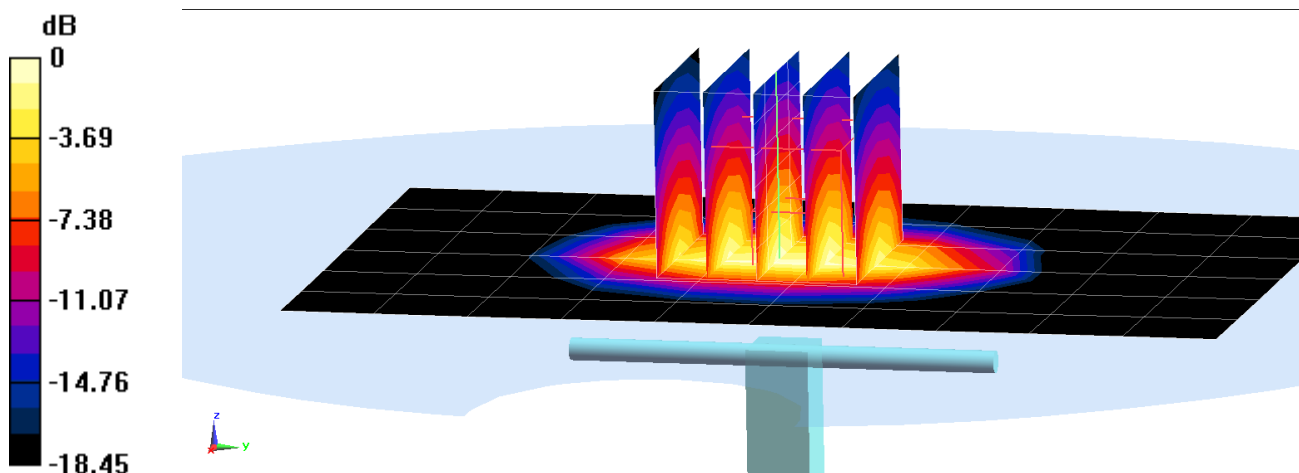
Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 7.57 W/kg

SAR(1 g) = 3.98 W/kg

Deviation(1 g) = 0.00%



0 dB = 6.28 W/kg = 7.98 dBW/kg

PCTEST

DUT: Dipole 2300 MHz; Type: D2300V2; Serial: 1073

Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: 2450 Head Medium parameters used:

$f = 2300 \text{ MHz}$; $\sigma = 1.702 \text{ S/m}$; $\epsilon_r = 39.151$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04/13/2021; Ambient Temp: 23.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7308; ConvF(7.7, 7.7, 7.7) @ 2300 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)

2300 MHz System Verification at 20.0 dBm (100 mW)

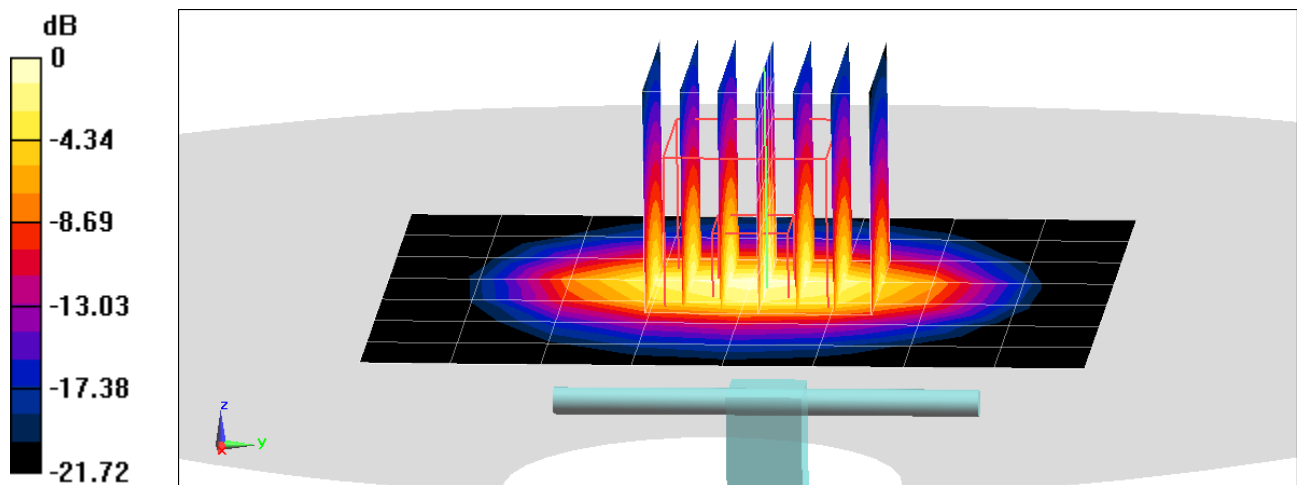
Area Scan (8x9x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 4.83 W/kg

Deviation(1 g) = -1.83%



0 dB = 8.13 W/kg = 9.10 dBW/kg

PCTEST

DUT: Dipole 2300 MHz; Type: D2300V2; Serial: 1073

Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: 2450 Head Medium parameters used:

$f = 2300$ MHz; $\sigma = 1.697$ S/m; $\epsilon_r = 39.615$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04/22/2021; Ambient Temp: 23.5°C; Tissue Temp: 23.7°C

Probe: EX3DV4 - SN7308; ConvF(7.7, 7.7, 7.7) @ 2300 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)

2300 MHz System Verification at 20.0 dBm (100 mW)

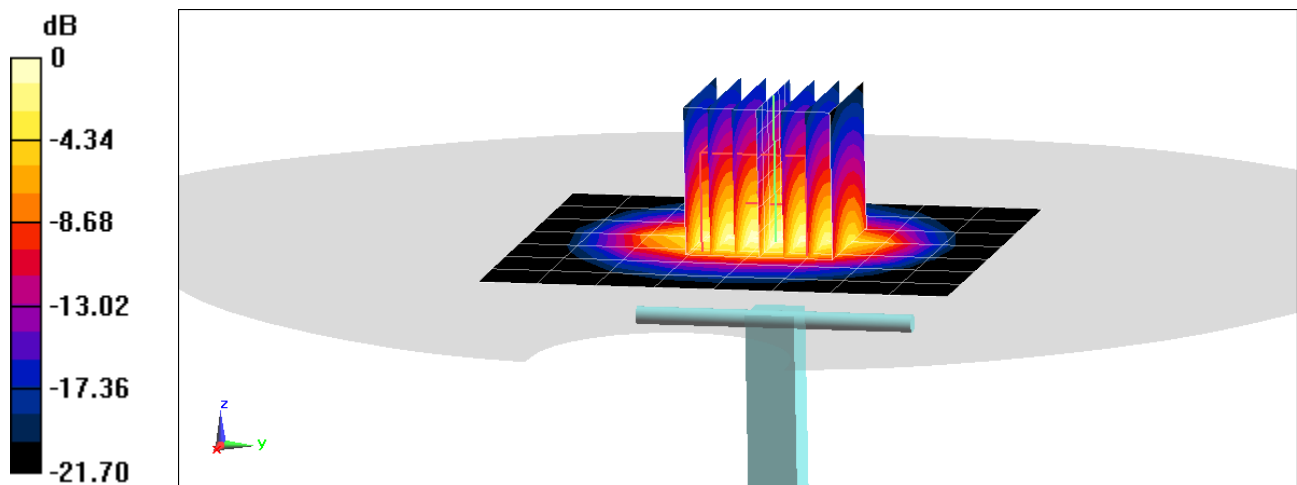
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 10.5 W/kg

SAR(1 g) = 4.89 W/kg

Deviation(1 g) = -0.61%



0 dB = 8.22 W/kg = 9.15 dBW/kg

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:

$f = 2450 \text{ MHz}$; $\sigma = 1.862 \text{ S/m}$; $\epsilon_r = 38.554$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04/13/2021; Ambient Temp: 23.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7308; ConvF(7.33, 7.33, 7.33) @ 2450 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)

2450 MHz System Verification at 20.0 dBm (100 mW)

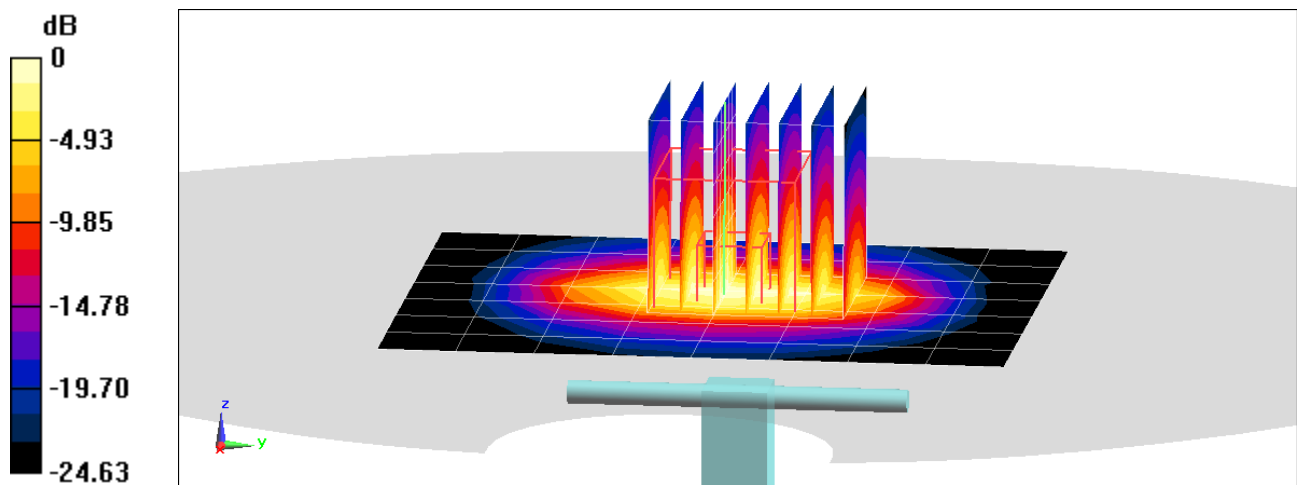
Area Scan (8x9x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 5.01 W/kg

Deviation(1 g) = -2.53%



0 dB = 8.63 W/kg = 9.36 dBW/kg

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:

$f = 2450 \text{ MHz}$; $\sigma = 1.873 \text{ S/m}$; $\epsilon_r = 39.689$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04/27/2021; Ambient Temp: 23.3°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)

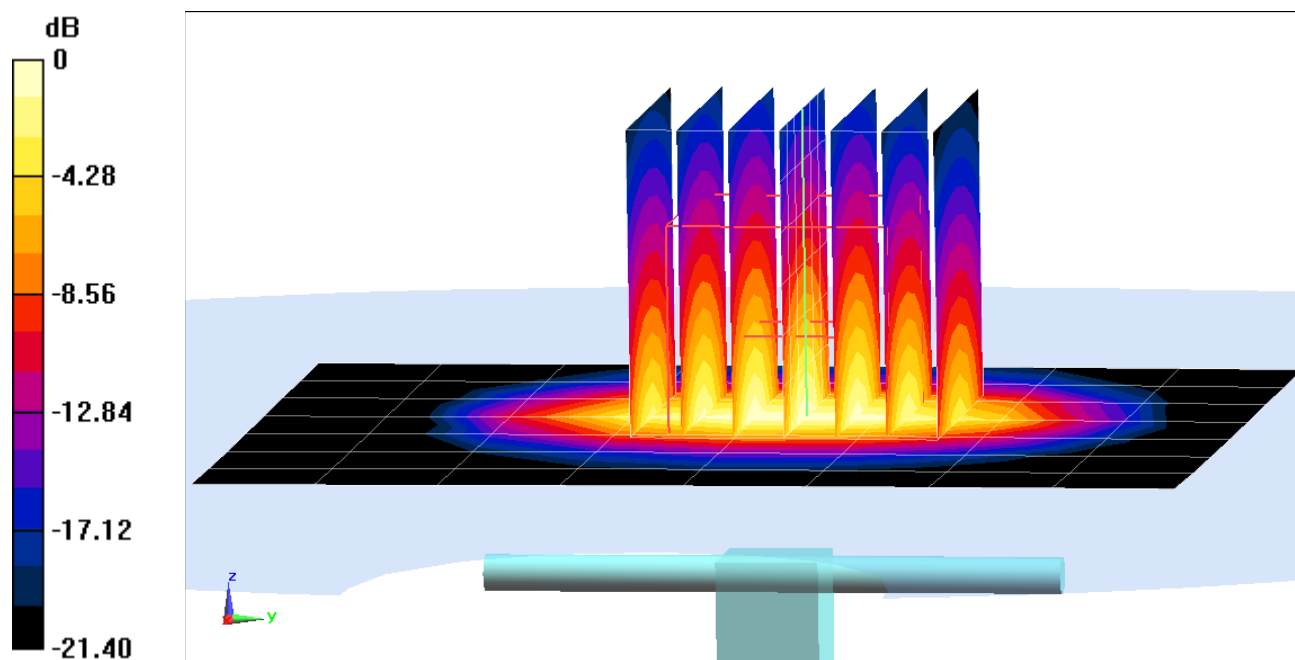
Area Scan (8x9x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.43 W/kg

Deviation(1 g) = 5.64%



0 dB = 8.97 W/kg = 9.53 dBW/kg

PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 981

Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
 $f = 2450.0$ MHz; $\text{cond} = 1.86$ S/m; $\text{perm} = 39.3$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 06/01/2021; Ambient Temp: 23.3°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7539; ConvF:(7.43,7.43,7.43); 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 (100 mW)

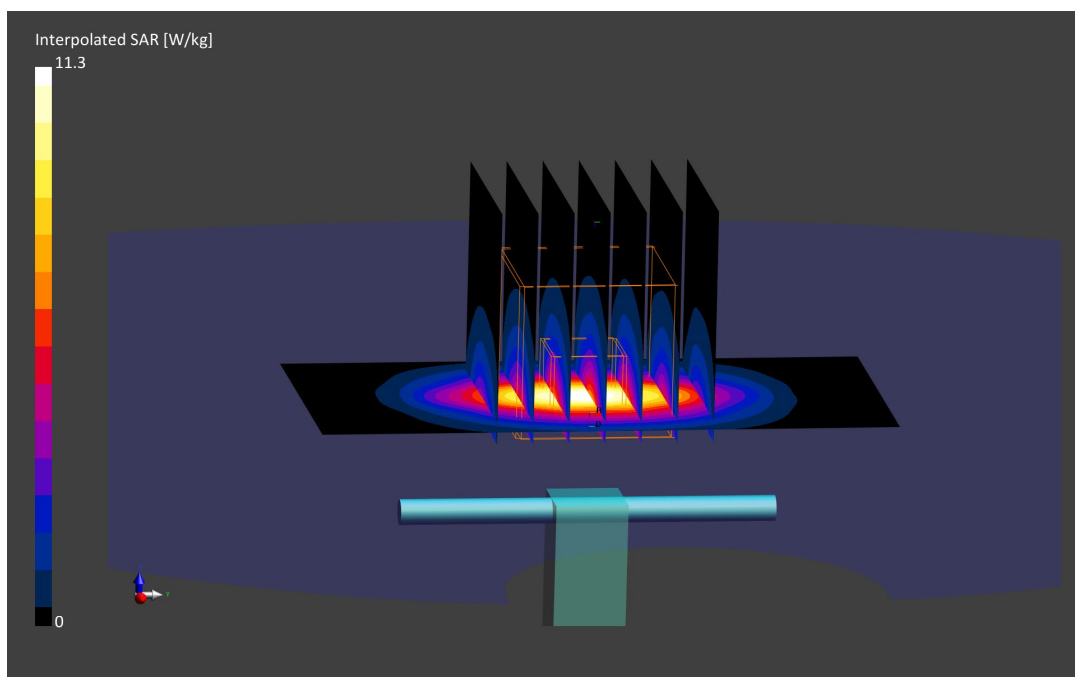
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 11.3 W/kg

SAR(1 g) = 5.34 W/kg

Deviation (1 g) = 2.10%



PCTEST

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1064

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

Medium: 2450 Head Medium parameters used:

$f = 2600$ MHz; $\sigma = 2.021$ S/m; $\epsilon_r = 37.949$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04/13/2021; Ambient Temp: 23.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7308; ConvF(7.19, 7.19, 7.19) @ 2600 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)

2600 MHz System Verification at 20.0 dBm (100 mW)

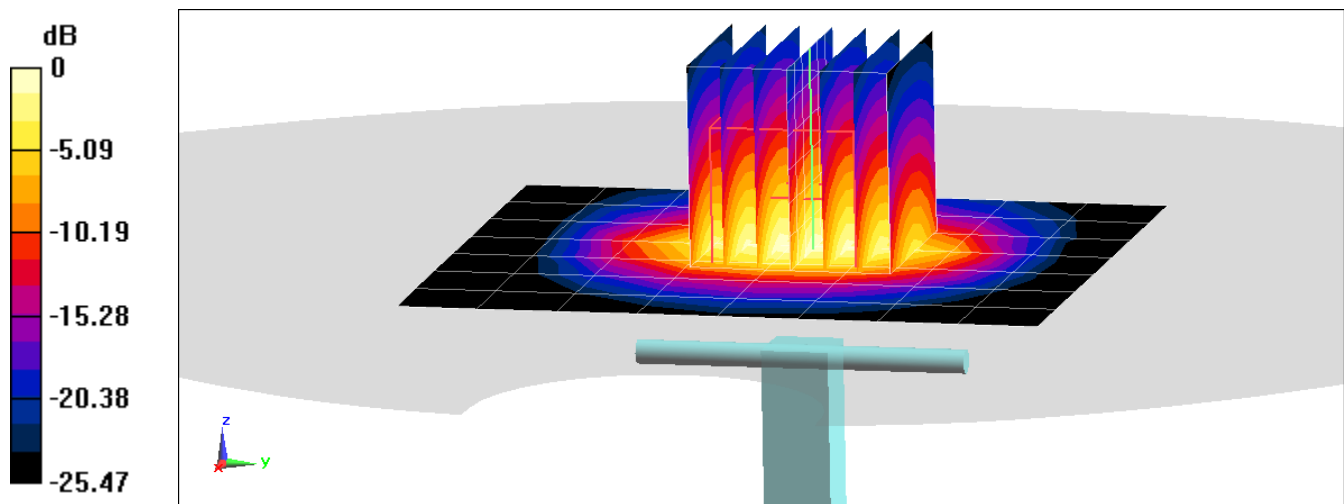
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 5.85 W/kg

Deviation(1 g) = 0.69%



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

PCTEST

DUT: Dipole 2600.0 MHz; Type: D2600V2; Serial: 1071

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 = 39.1; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 06/01/2021; Ambient Temp: 23.3°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7539; ConvF:(7.18,7.18,7.18); 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 (100 mW)

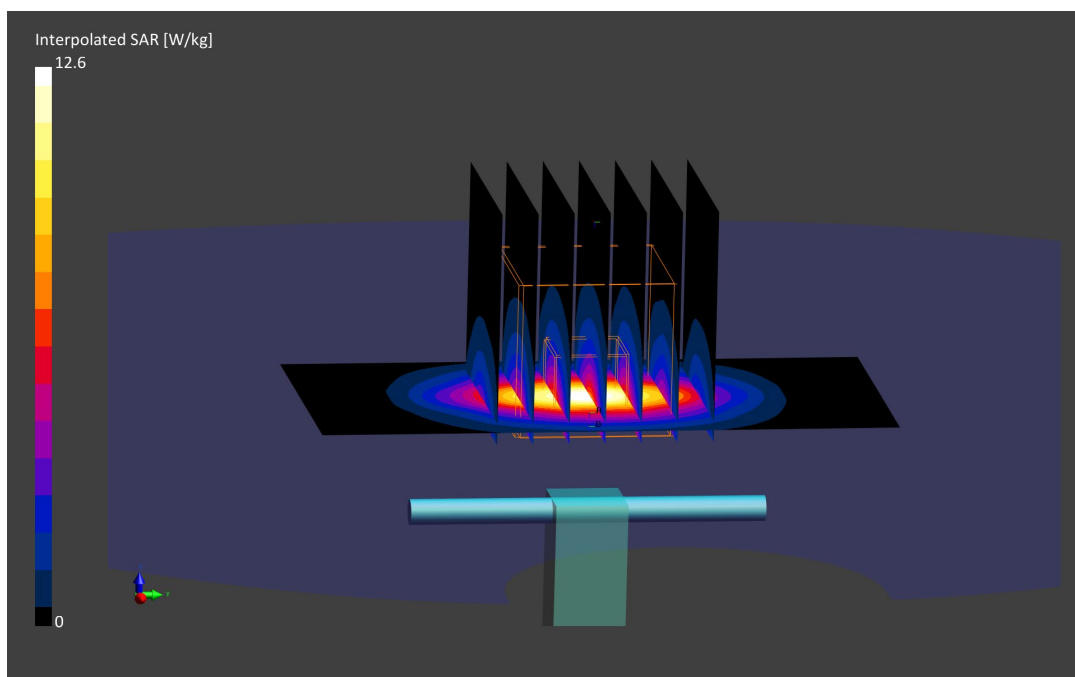
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

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) = 5.69 W/kg

Deviation (1 g) = 1.43%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2; Serial: 1059

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3500.0$ MHz; $\text{cond} = 2.88$ S/m; $\text{perm} = 38.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/10/2021; Ambient Temp: 22.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7539; ConvF:(6.76,6.76,6.76); 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

3500.0 MHz System Verification at 20.0 dBm (100 mW)

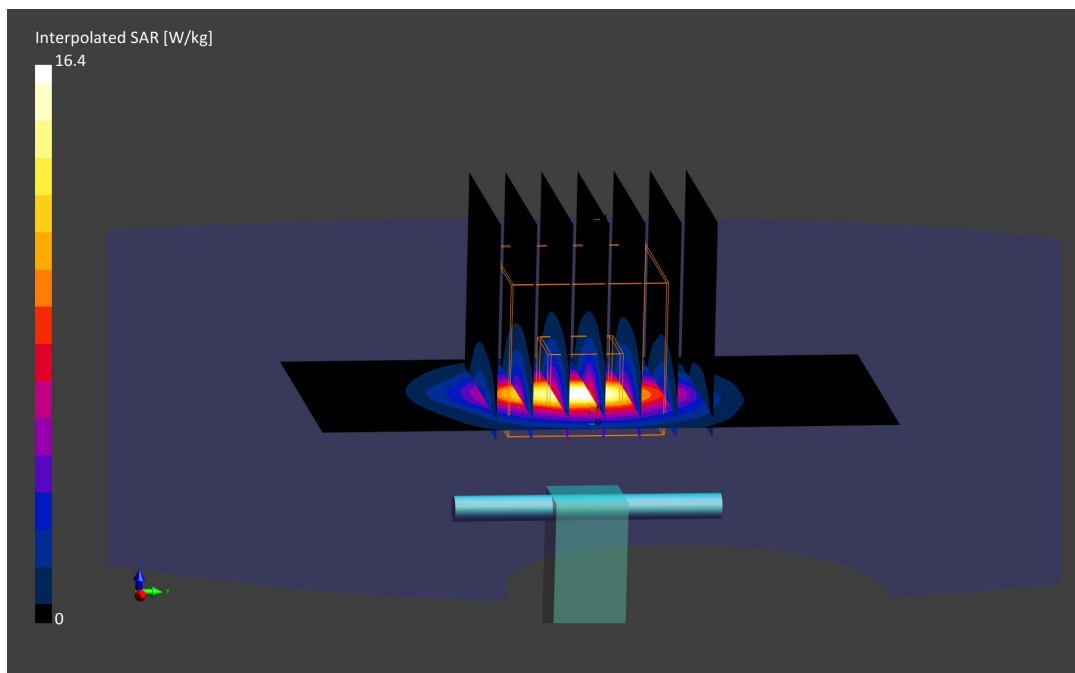
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 6.39 W/kg

Deviation (1 g) = 0.31%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2; Serial: 1059

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3500.0$ MHz; $\text{cond} = 2.89$ S/m; $\text{perm} = 36.9$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/19/2021; Ambient Temp: 22.1°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7539; ConvF:(6.76,6.76,6.76); 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

3500.0 MHz System Verification at 20.0 dBm (100 mW)

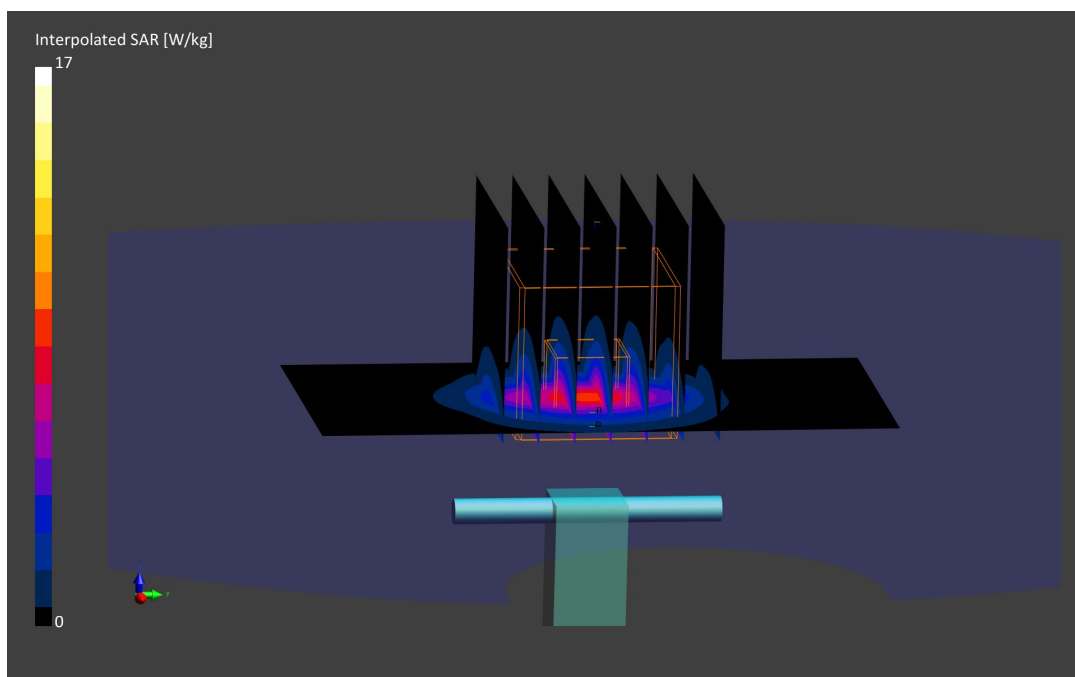
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 6.56 W/kg

Deviation (1 g) = 2.98%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2; Serial: 1018

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3700.0$ MHz; $\text{cond} = 3.07$ S/m; $\text{perm} = 37.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/10/2021; Ambient Temp: 22.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7539; ConvF:(6.55,6.55,6.55); 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

3700.0 MHz System Verification at 20.0 dBm (10 mW)

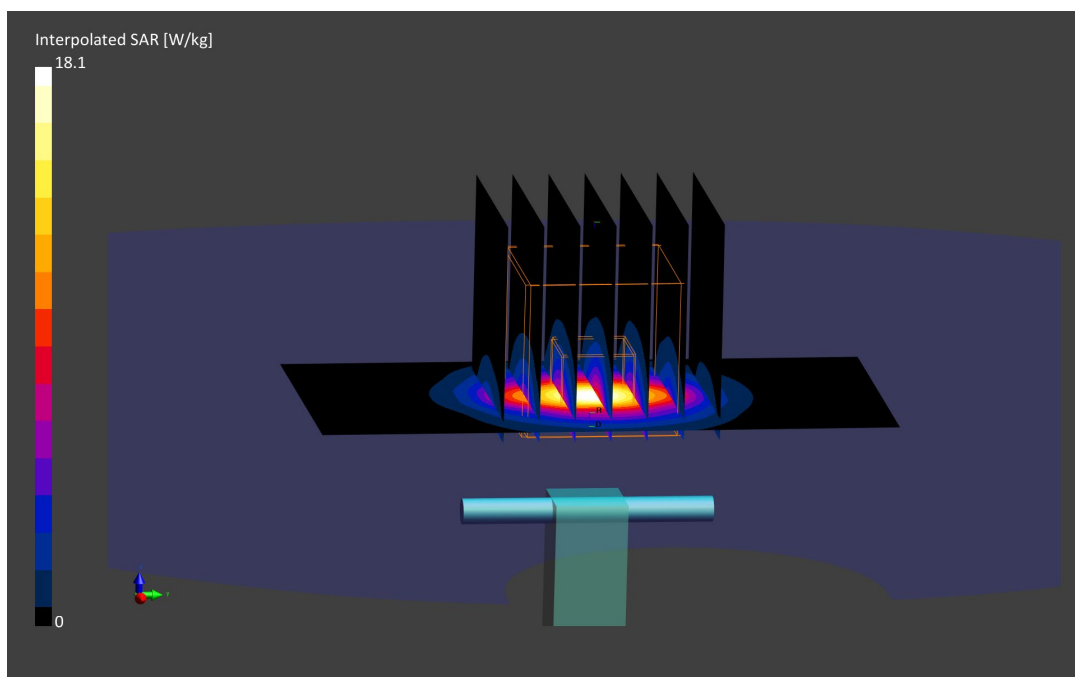
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 18.1 W/kg

SAR(1 g) = 6.81 W/kg

Deviation (1 g) = 1.64%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2; Serial: 1018

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3700.0$ MHz; $\text{cond} = 3.08$ S/m; $\text{perm} = 36.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/19/2021; Ambient Temp: 22.1°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7539; ConvF:(6.55,6.55,6.55); 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

3700.0 MHz System Verification at 20.0 dBm (100 mW)

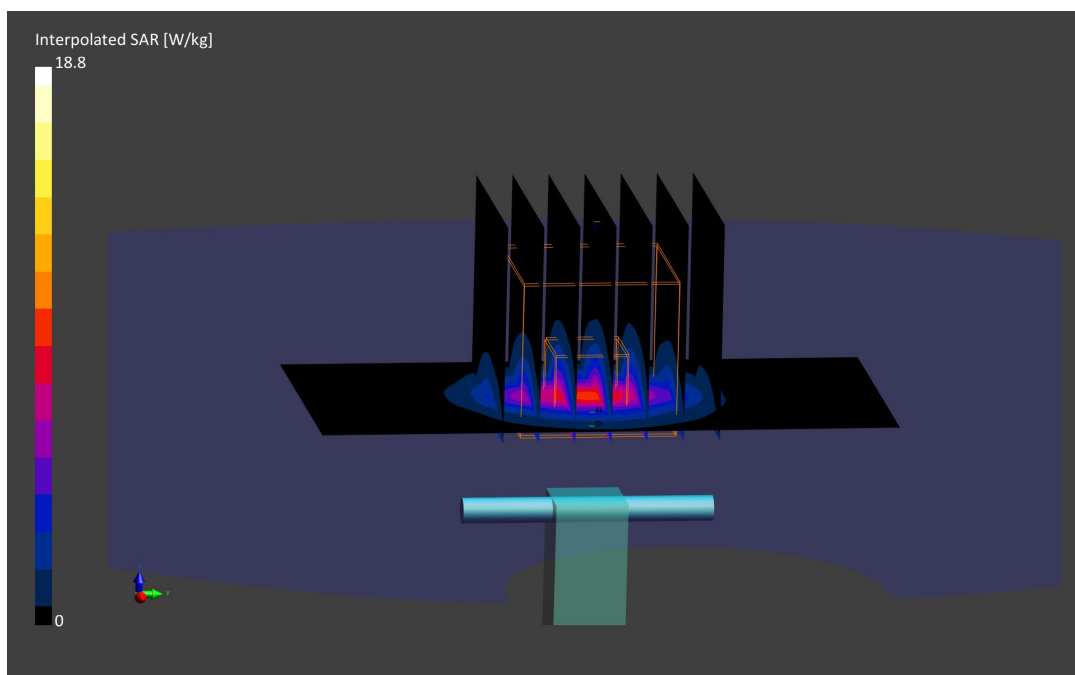
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 18.8 W/kg

SAR(1 g) = 7.00 W/kg

Deviation (1 g) = 4.48%



PCTEST

DUT: Dipole 3900.0 MHz; Type: D3900V2; Serial: 1056

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3900.0$ MHz; $\text{cond} = 3.27$ S/m; $\text{perm} = 37.3$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/10/2021; Ambient Temp: 22.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7539; ConvF:(6.23,6.23,6.23); 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

3900.0 MHz System Verification at 20.0 dBm (100 mW)

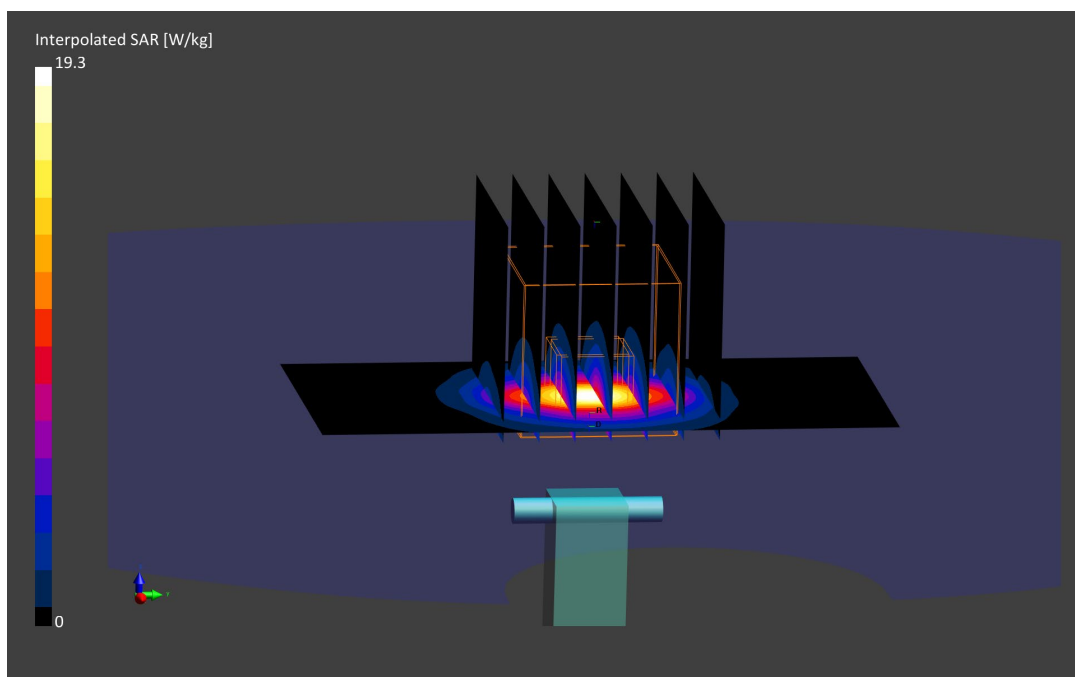
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 19.3 W/kg

SAR(1 g) = 7.17 W/kg

Deviation (1 g) = 4.06%



PCTEST

DUT: Dipole 3900.0 MHz; Type: D3900V2; Serial: 1056

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 = 36.1; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/19/2021; Ambient Temp: 22.1°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7539; ConvF:(6.23,6.23,6.23); 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

3900.0 MHz System Verification at 20.0 dBm (100 mW)

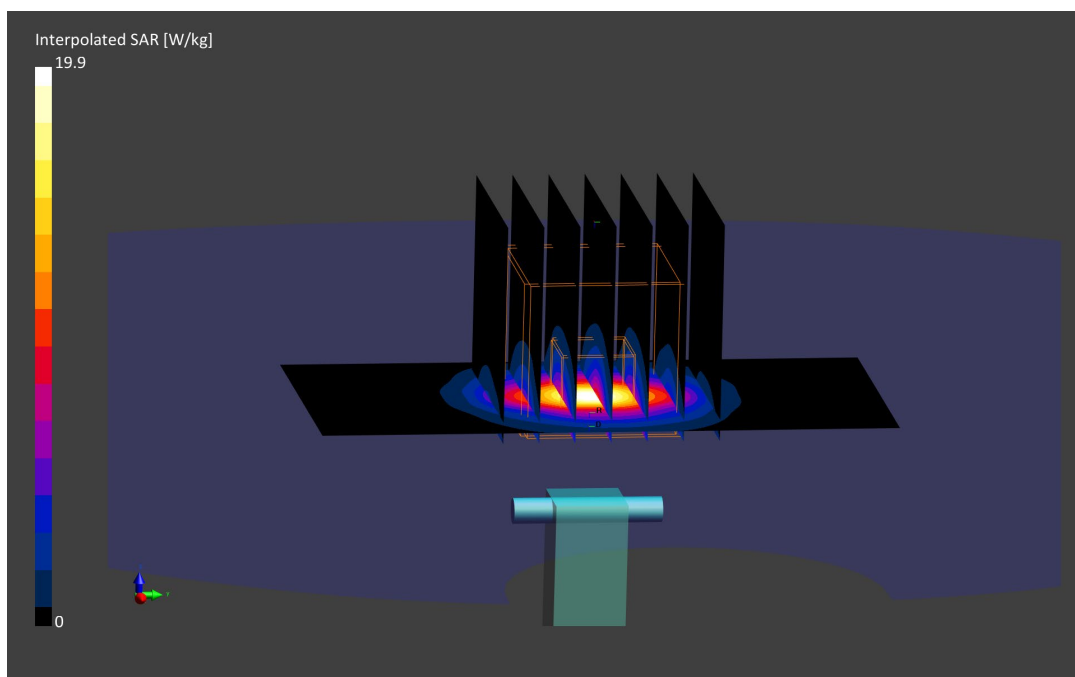
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0mm, dy=5.0mm, dz=1.4mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 19.9 W/kg

SAR(1 g) = 7.20 W/kg

Deviation (1 g) = 4.50%



PCTEST

DUT: Dipole 5250.0 MHz; Type: D5GHzV2; Serial: 1057

Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.65 S/m; perm = 35.0; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/17/2021; Ambient Temp: 22.8°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7538; ConvF:(5.29,5.29,5.29); Calibrated: 2020-11-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; Calibrated: 2020-09-10
Phantom: Twin-SAM V5.0 (Left); Serial: 1873
Measurement SW: cDASY6 Module SAR V6.14.0.959

5250.0 MHz System Verification at 17.0 dBm (50 mW)

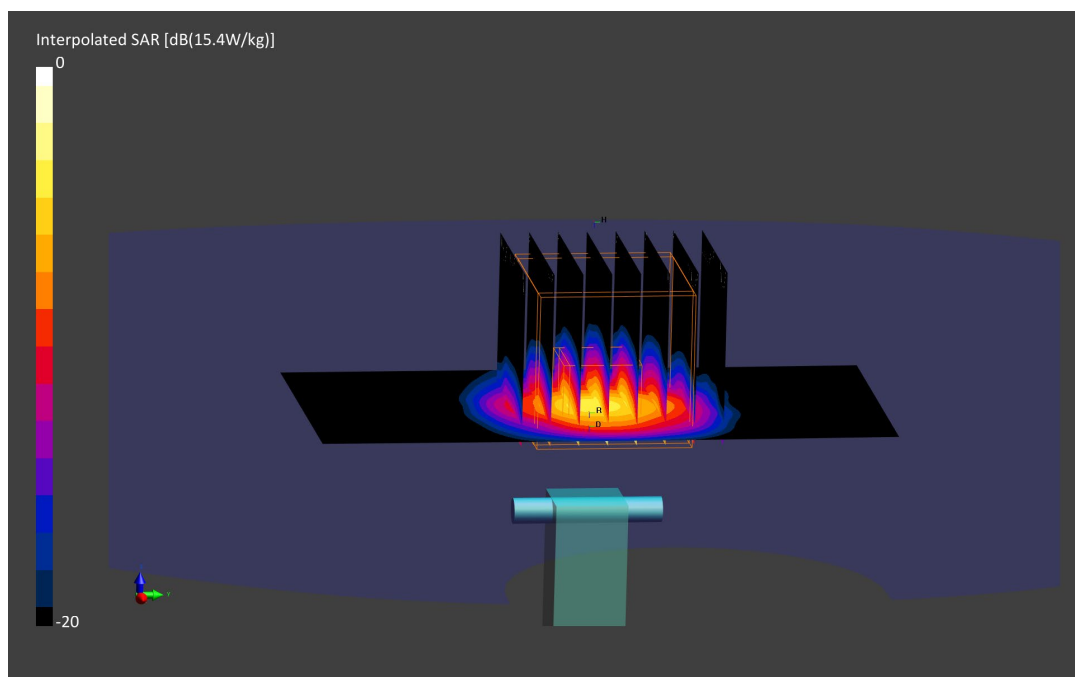
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0mm, dy=4.0mm, dz=1.4mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 15.4 W/kg

SAR(1 g) = 4.03 W/kg

Deviation (1 g) = 1.13%



PCTEST

DUT: Dipole 5600.0 MHz; Type: D5GHzV2; Serial: 1057

Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 5.05 S/m; perm = 34.4; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/17/2021; Ambient Temp: 22.8°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7538; ConvF:(4.63,4.63,4.63); 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

5600.0 MHz System Verification at 17.0 dBm (50 mW)

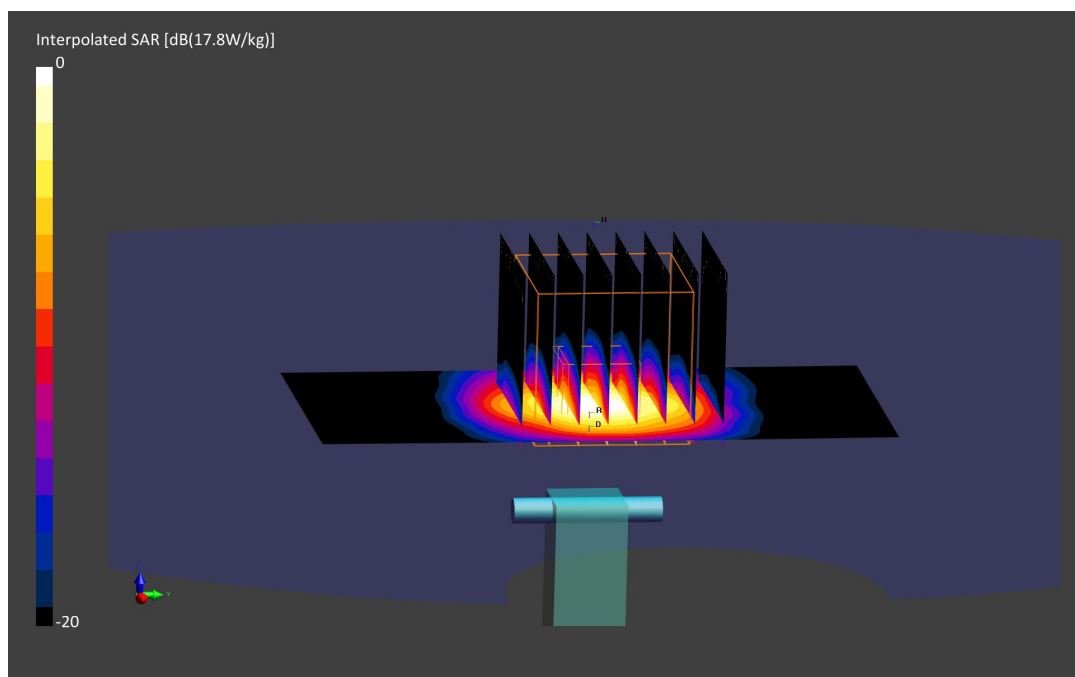
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0mm, dy=4.0mm, dz=1.4mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 4.31 W/kg

Deviation (1 g) = 2.86%



PCTEST

DUT: Dipole 5750.0 MHz; Type: D5GHzV2; Serial: SN1057

Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.23 S/m; perm = 34.1; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/17/2021; Ambient Temp: 22.8°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7538; ConvF:(4.78,4.78,4.78); 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

5750.0 MHz System Verification at 17.0 dBm (50 mW)

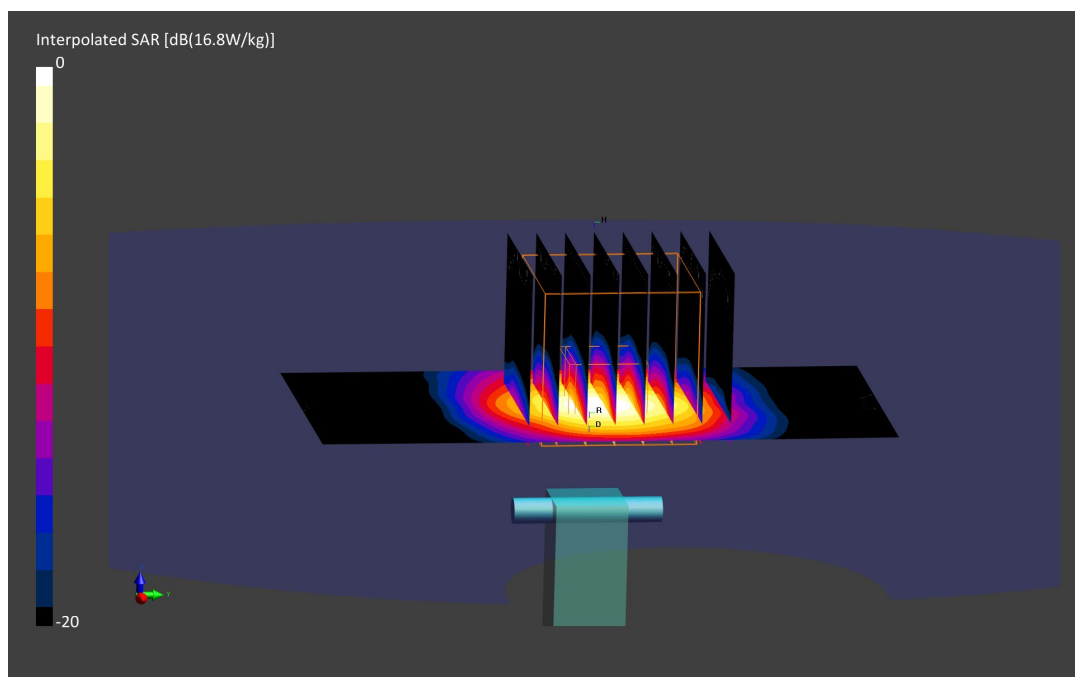
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0mm, dy=4.0mm, dz=1.4mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 16.8 W/kg

SAR(1 g) = 3.92 W/kg

Deviation (1 g) = -2.12%



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:

$f = 750 \text{ MHz}$; $\sigma = 0.989 \text{ S/m}$; $\epsilon_r = 54.303$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/14/2021; Ambient Temp: 24.5°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7406; ConvF(9.66, 9.66, 9.66) @ 750 MHz; Calibrated: 6/23/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1583; Calibrated: 5/14/2020

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)

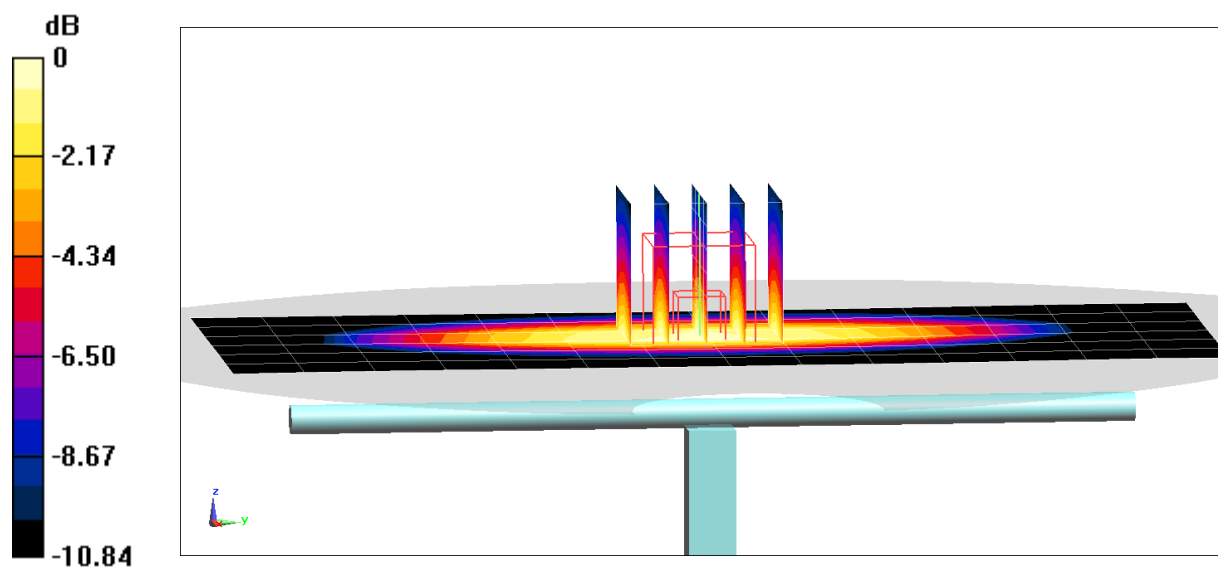
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.88 W/kg

SAR(1 g) = 1.79 W/kg

Deviation(1 g) = 3.95%



0 dB = 2.46 W/kg = 3.91 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:

$f = 750 \text{ MHz}$; $\sigma = 0.96 \text{ S/m}$; $\epsilon_r = 54.572$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/25/2021; Ambient Temp: 23.5°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7406; ConvF(9.66, 9.66, 9.66) @ 750 MHz; Calibrated: 6/23/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1583; Calibrated: 5/14/2020

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)

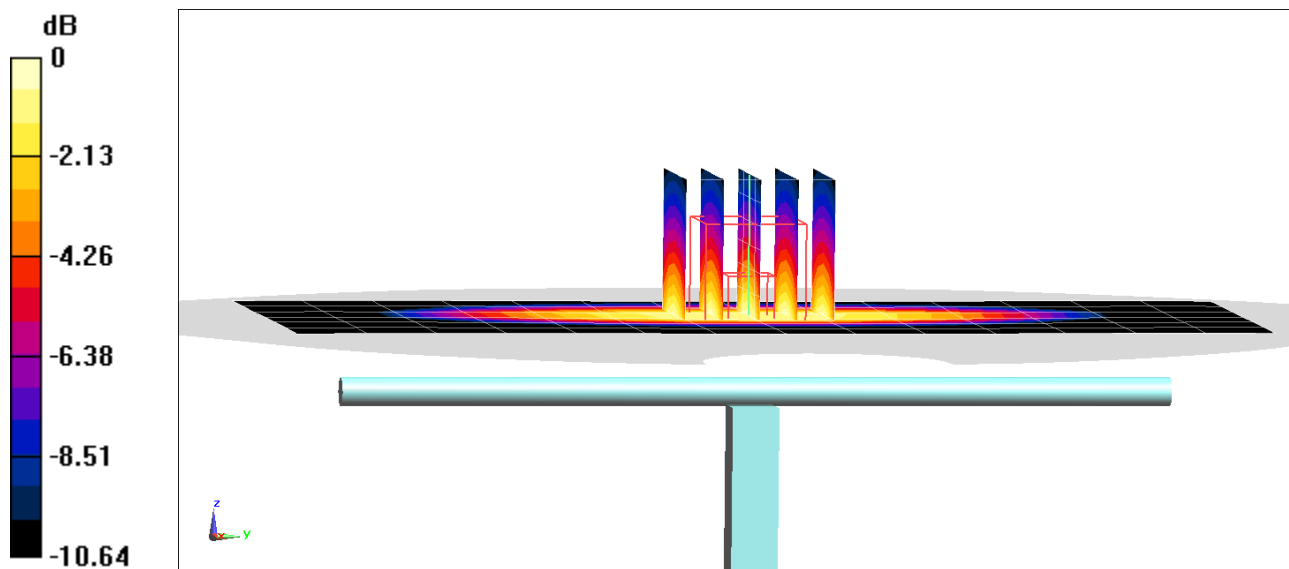
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.91 W/kg

SAR(1 g) = 1.81 W/kg

Deviation(1 g) = 5.11%



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:

$f = 750 \text{ MHz}$; $\sigma = 0.981 \text{ S/m}$; $\epsilon_r = 54.395$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/27/2021; Ambient Temp: 23.8°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7406; ConvF(9.66, 9.66, 9.66) @ 750 MHz; Calibrated: 6/23/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1583; Calibrated: 5/14/2020

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)

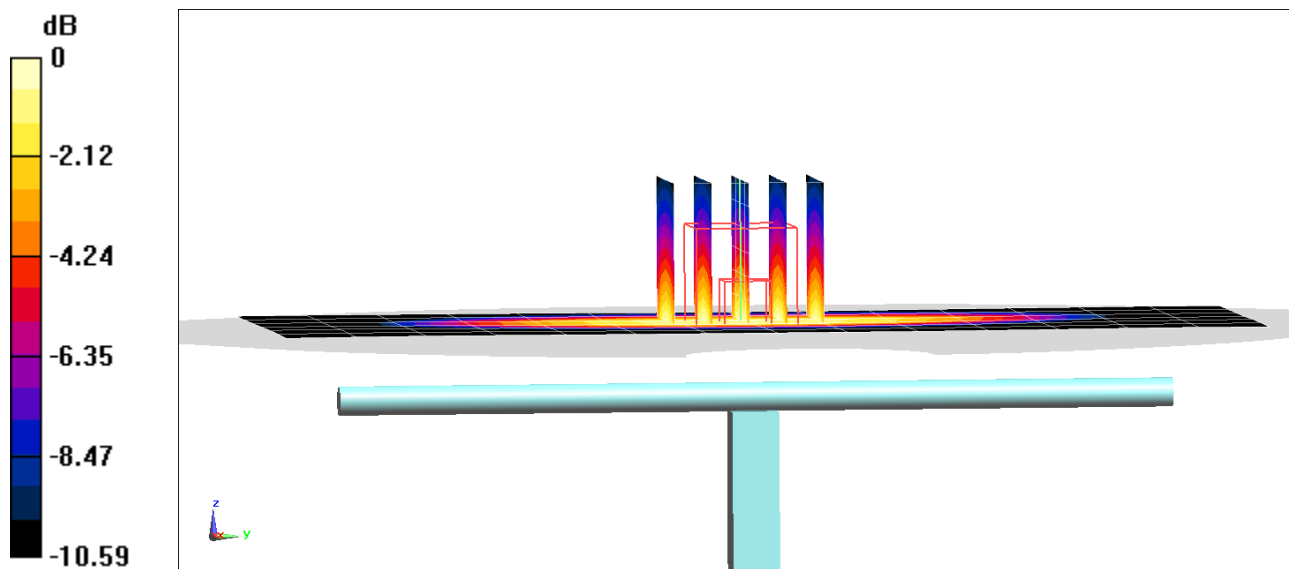
Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.87 W/kg

SAR(1 g) = 1.80 W/kg

Deviation(1 g) = 4.53%



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:

$f = 750 \text{ MHz}$; $\sigma = 0.942 \text{ S/m}$; $\epsilon_r = 55.165$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/02/2021; Ambient Temp: 22.3°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7406; ConvF(9.66, 9.66, 9.66) @ 750 MHz; Calibrated: 6/23/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1583; Calibrated: 5/14/2020

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)

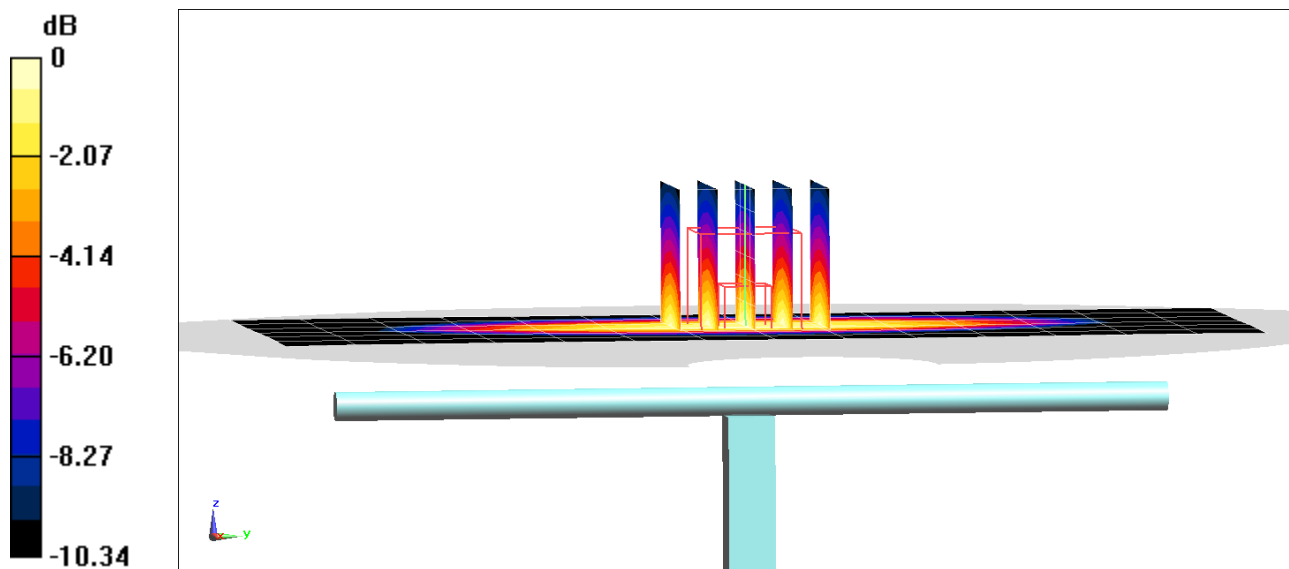
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.66 W/kg

SAR(1 g) = 1.76 W/kg

Deviation(1 g) = 2.21%



0 dB = 2.35 W/kg = 3.71 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:

$f = 750 \text{ MHz}$; $\sigma = 0.982 \text{ S/m}$; $\epsilon_r = 54.029$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/04/2021; Ambient Temp: 23.4°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7406; ConvF(9.66, 9.66, 9.66) @ 750 MHz; Calibrated: 6/23/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1583; Calibrated: 5/14/2020

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)

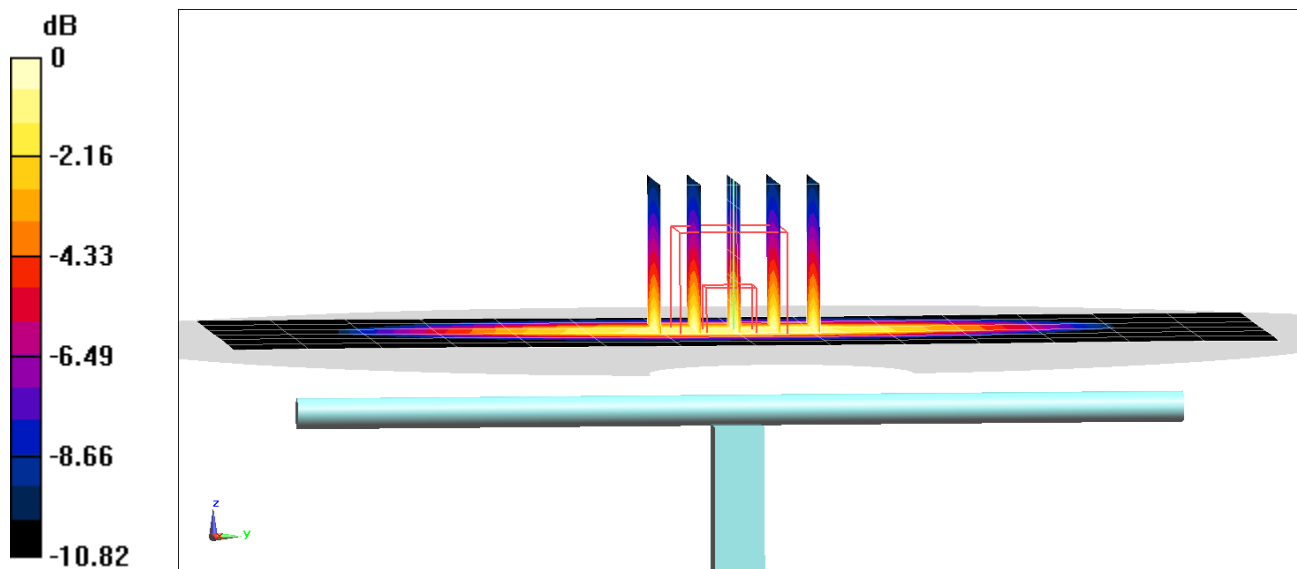
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.88 W/kg

SAR(1 g) = 1.79 W/kg

Deviation(1 g) = 3.95%



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:

$f = 750 \text{ MHz}$; $\sigma = 0.951 \text{ S/m}$; $\epsilon_r = 54.192$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/09/2021; Ambient Temp: 22.4°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7406; ConvF(9.66, 9.66, 9.66) @ 750 MHz; Calibrated: 6/23/2020

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1583; Calibrated: 5/14/2020

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)

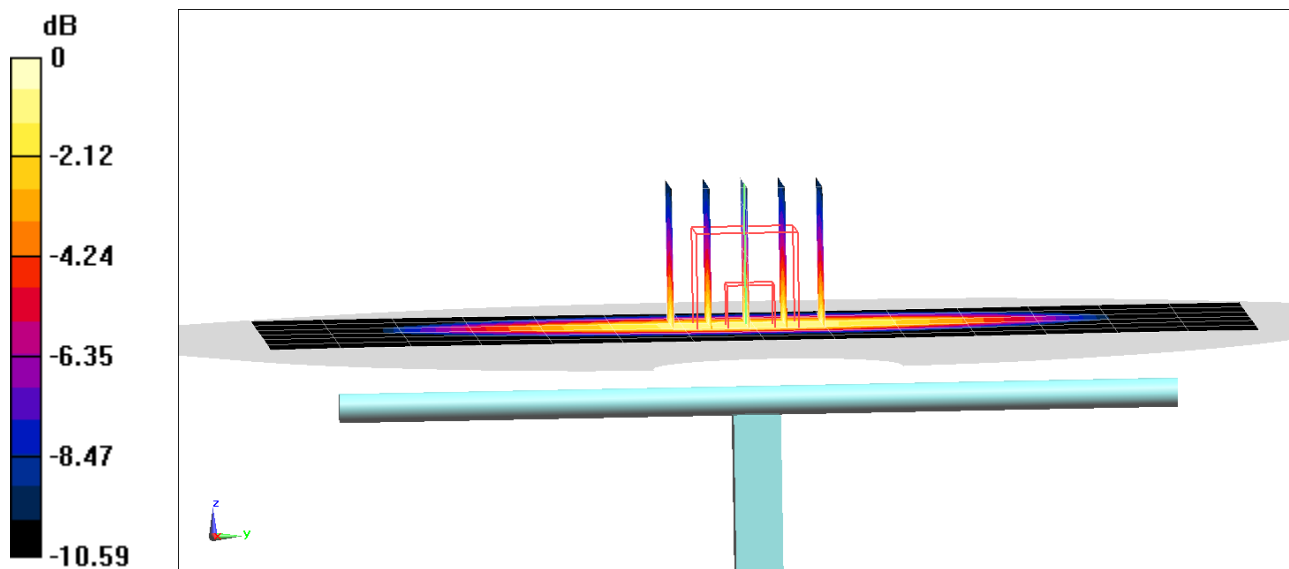
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.93 W/kg

SAR(1 g) = 1.83 W/kg

Deviation(1 g) = 6.27%



0 dB = 2.53 W/kg = 4.03 dBW/kg

PCTEST

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d133

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

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.946 \text{ S/m}$; $\epsilon_r = 53.602$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/23/2021; Ambient Temp: 22.6°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7410; ConvF(9.73, 9.73, 9.73) @ 835 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)

835 MHz System Verification at 23.0 dBm (200 mW)

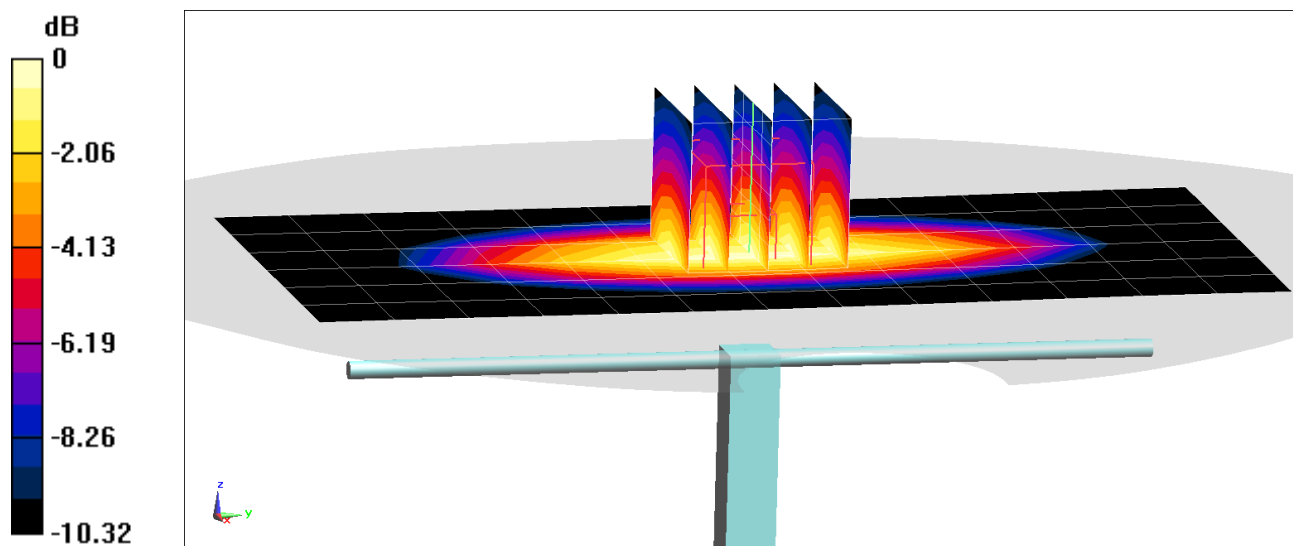
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 3.05 W/kg

SAR (1 g) = 2.04 W/kg

Deviation (1 g) = 4.62%



0 dB = 2.72 W/kg = 4.35 dBW/kg

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:

$f = 835 \text{ MHz}$; $\sigma = 0.963 \text{ S/m}$; $\epsilon_r = 53.137$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/25/2021; Ambient Temp: 18.4°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)

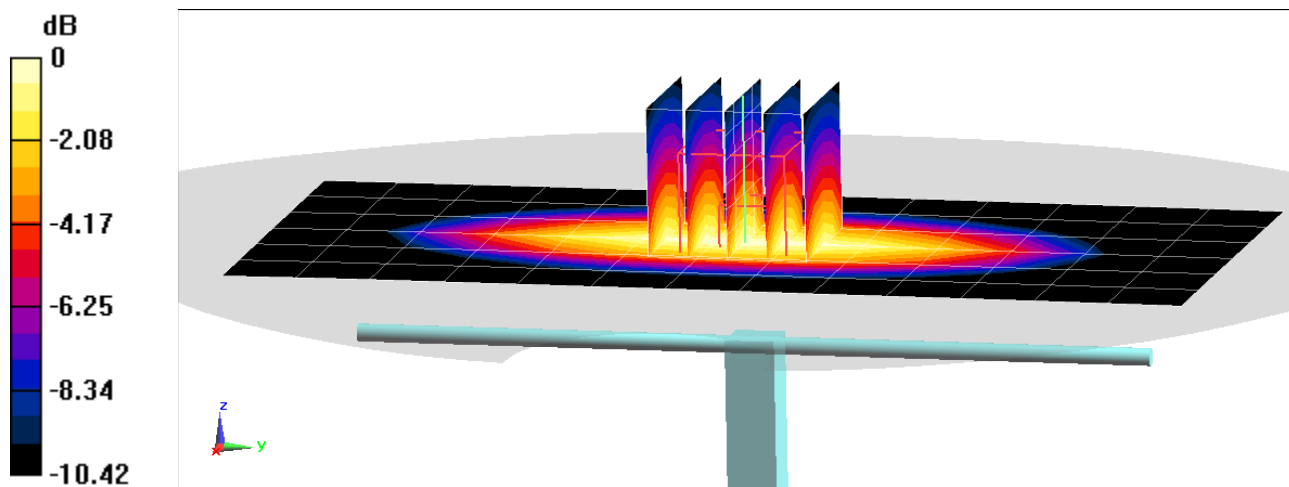
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.95 W/kg

SAR(1 g) = 1.93 W/kg

Deviation(1 g) = 1.90%



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:

$f = 835 \text{ MHz}$; $\sigma = 0.945 \text{ S/m}$; $\epsilon_r = 53.047$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/27/2021; Ambient Temp: 23.9°C; Tissue Temp: 22.1°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)

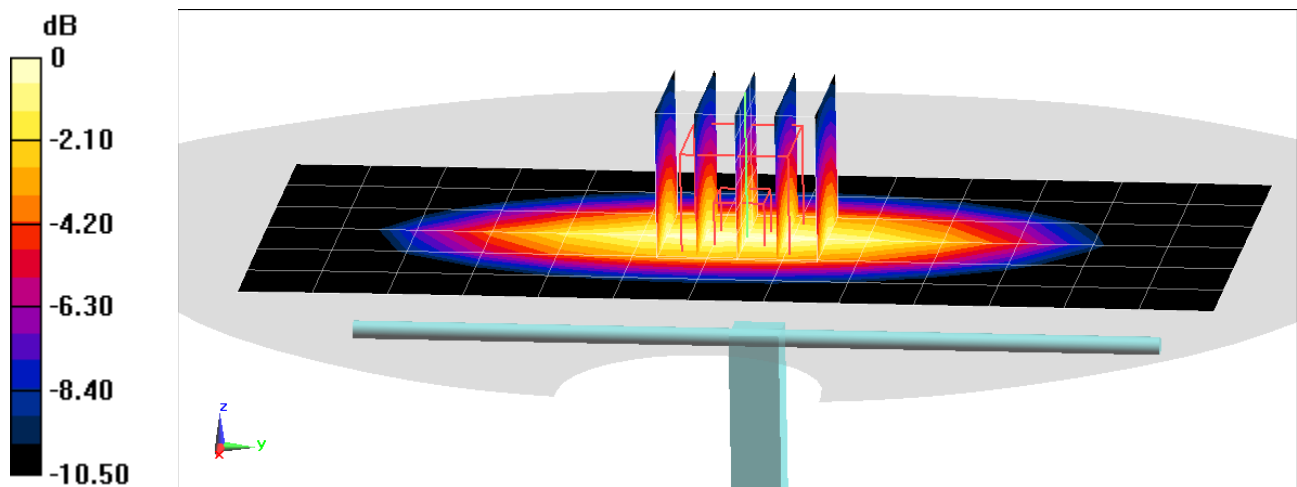
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 3.10 W/kg

SAR(1 g) = 2 W/kg

Deviation(1 g) = 5.60%



0 dB = 2.71 W/kg = 4.33 dBW/kg

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:

$f = 835 \text{ MHz}$; $\sigma = 0.959 \text{ S/m}$; $\epsilon_r = 53.048$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 04/29/2021; Ambient Temp: 24.3°C; Tissue Temp: 21.4°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)

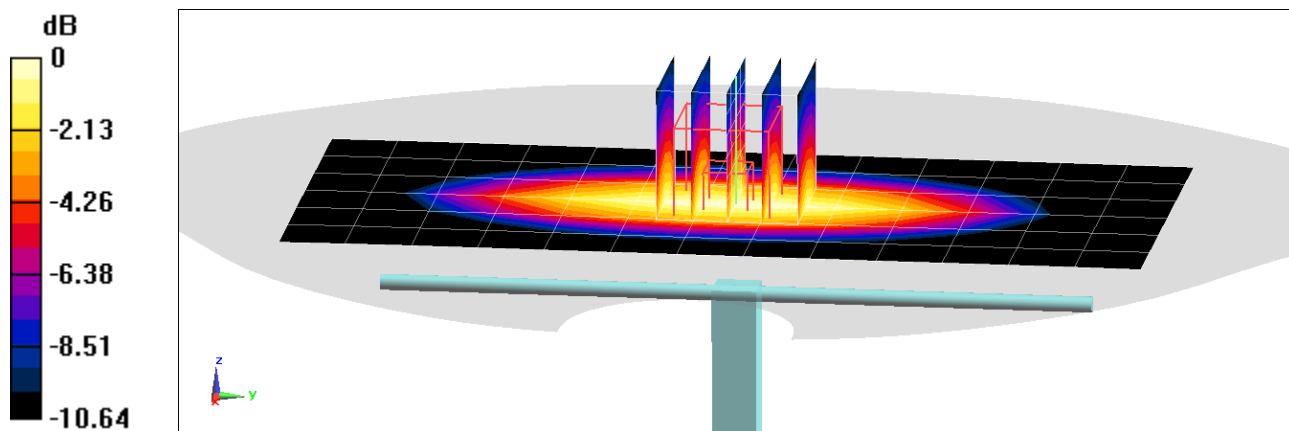
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 3.10 W/kg

SAR(1 g) = 1.95 W/kg

Deviation(1 g) = 2.96%



0 dB = 2.67 W/kg = 4.27 dBW/kg

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:

$f = 835 \text{ MHz}$; $\sigma = 0.96 \text{ S/m}$; $\epsilon_r = 52.776$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 05/03/2021; Ambient Temp: 23.9°C; Tissue Temp: 21.5°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)

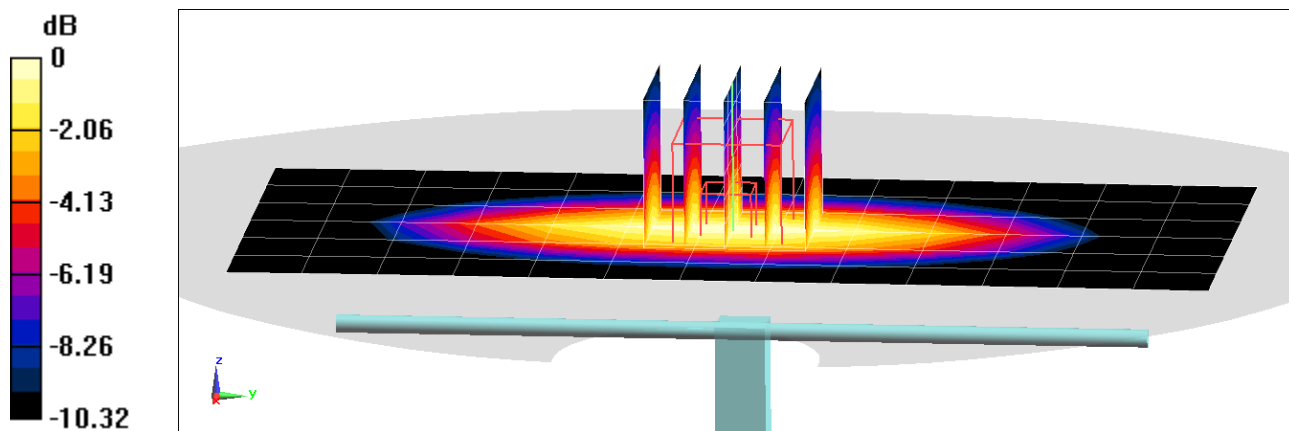
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 1.91 W/kg

Deviation(1 g) = 0.84%



0 dB = 2.55 W/kg = 4.07 dBW/kg

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:

$f = 835 \text{ MHz}$; $\sigma = 0.963 \text{ S/m}$; $\epsilon_r = 53.18$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/02/2021; Ambient Temp: 23.1°C; Tissue Temp: 22.2°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)

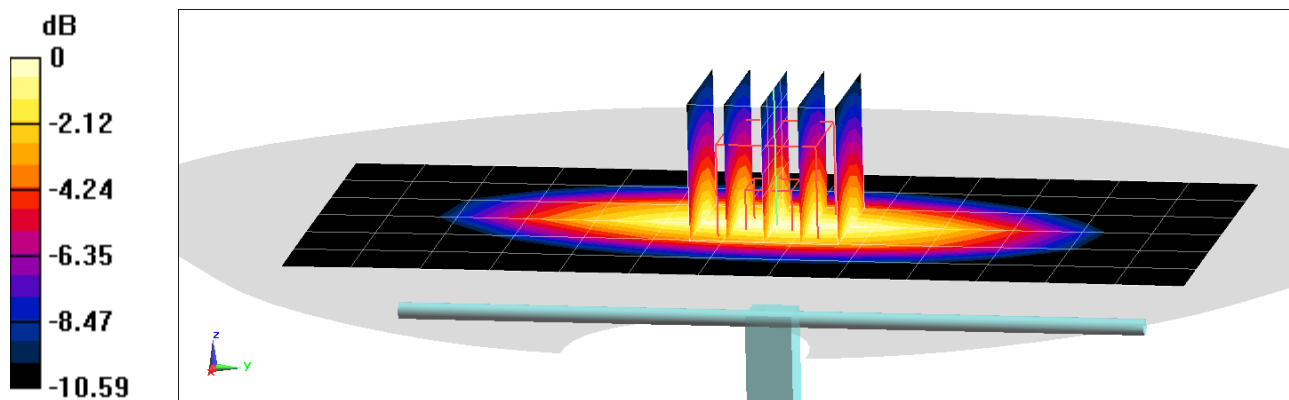
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 3.23 W/kg

SAR(1 g) = 2.04 W/kg

Deviation(1 g) = 7.71%



0 dB = 2.78 W/kg = 4.44 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:

$f = 1750$ MHz; $\sigma = 1.486$ S/m; $\epsilon_r = 51.531$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04/27/2021; Ambient Temp: 22.4°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7410; ConvF(8.17, 8.17, 8.17) @ 1750 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)

1750 MHz System Verification at 20.0 dBm (100 mW)

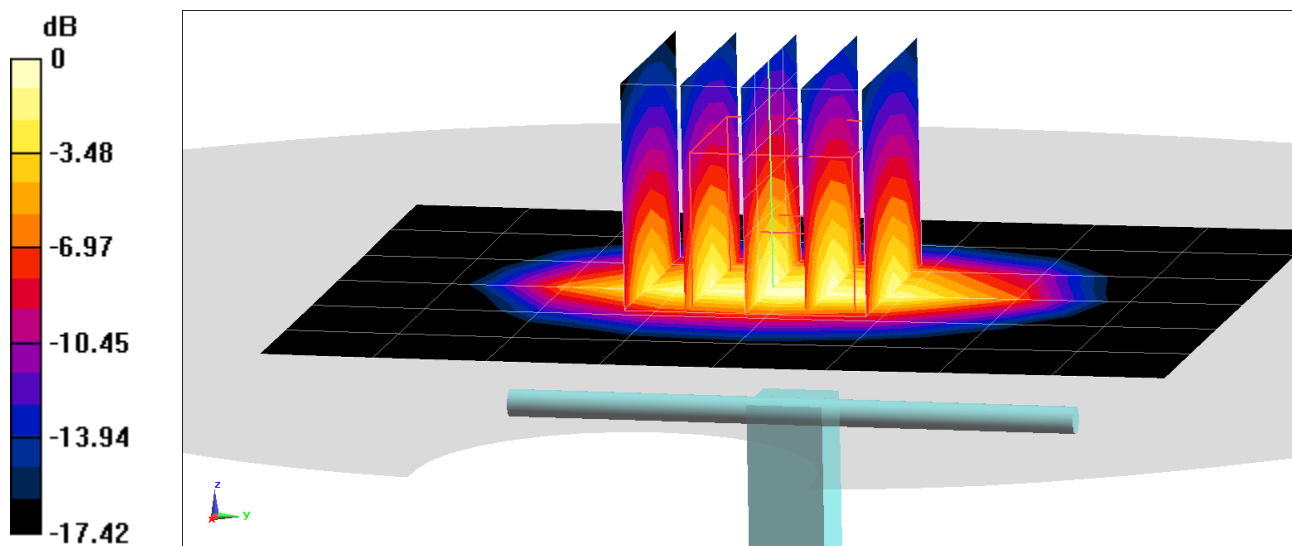
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 6.81 W/kg

SAR(1 g) = 3.75 W/kg

Deviation(1 g) = 2.46%



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:

$f = 1750 \text{ MHz}$; $\sigma = 1.535 \text{ S/m}$; $\epsilon_r = 51.102$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/02/2021; Ambient Temp: 20.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7410; ConvF(8.17, 8.17, 8.17) @ 1750 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)

1750 MHz System Verification at 20.0 dBm (100 mW)

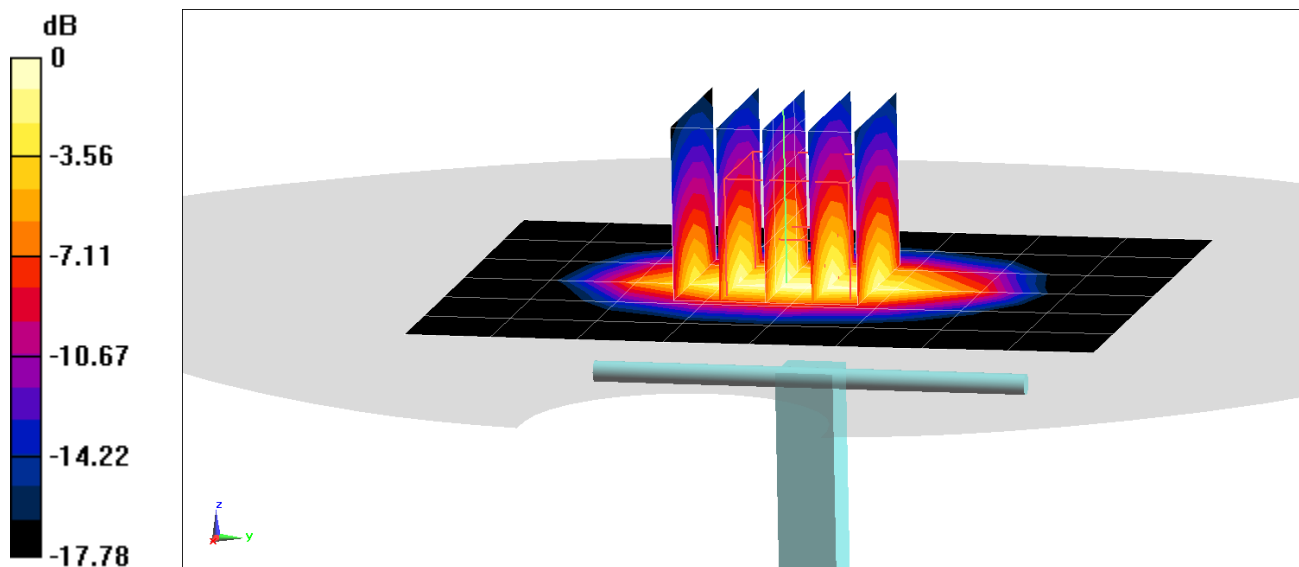
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.1 W/kg

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

Deviation(1 g) = 6.01%; Deviation(10 g) = 5.67%



0 dB = 5.93 W/kg = 7.73 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:

$f = 1750 \text{ MHz}$; $\sigma = 1.511 \text{ S/m}$; $\epsilon_r = 50.813$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/04/2021; Ambient Temp: 21.7°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7410; ConvF(8.17, 8.17, 8.17) @ 1750 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)

1750 MHz System Verification at 20.0 dBm (100 mW)

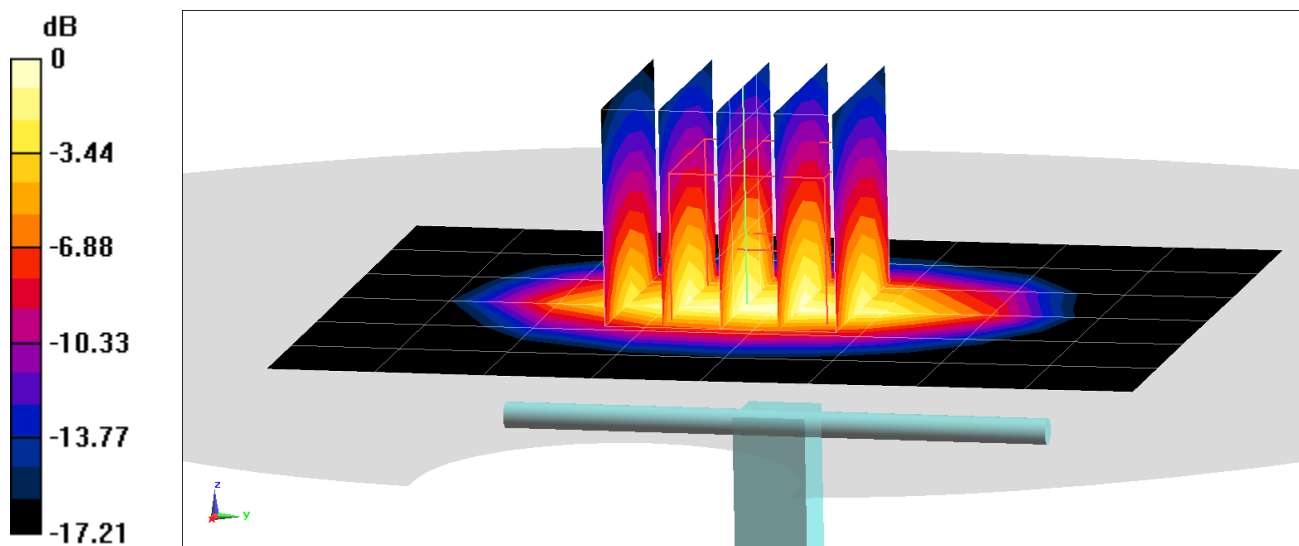
Area Scan (7x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 6.42 W/kg

SAR(1 g) = 3.61 W/kg

Deviation(1 g) = -1.37%



0 dB = 5.39 W/kg = 7.32 dBW/kg

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:

$f = 1750 \text{ MHz}$; $\sigma = 1.464 \text{ S/m}$; $\epsilon_r = 50.886$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/06/2021; Ambient Temp: 21.7°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7410; ConvF(8.17, 8.17, 8.17) @ 1750 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)

1750 MHz System Verification at 20.0 dBm (100 mW)

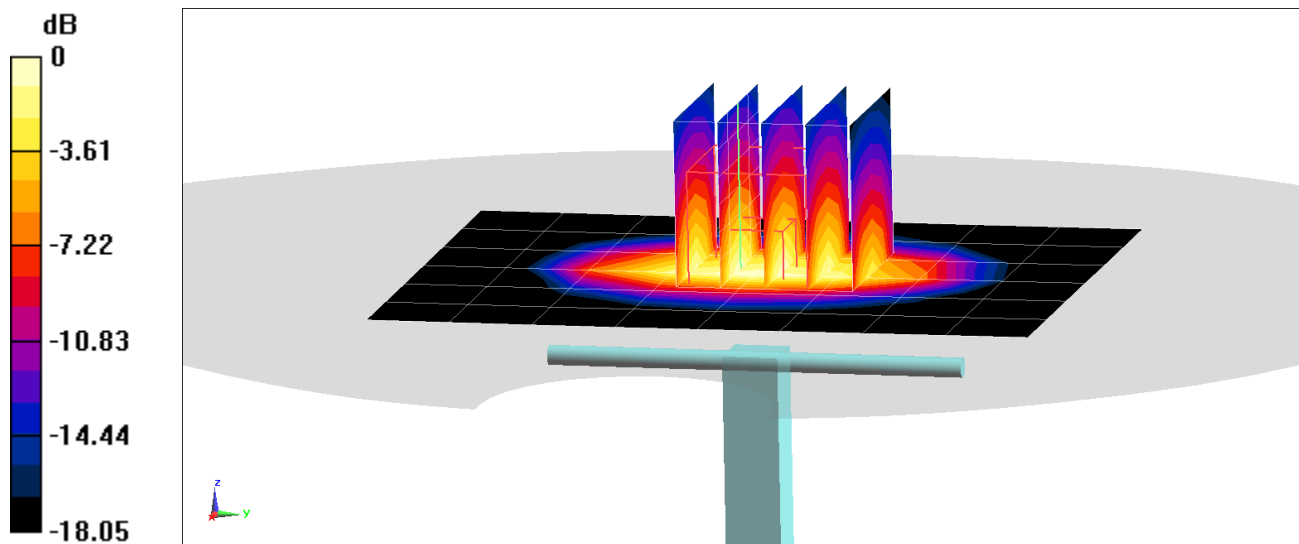
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 6.74 W/kg

SAR(10 g) = 1.96 W/kg

Deviation(10 g) = 1.55%



0 dB = 5.50 W/kg = 7.40 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:

$f = 1750 \text{ MHz}$; $\sigma = 1.545 \text{ S/m}$; $\epsilon_r = 51.889$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/18/2021; Ambient Temp: 23.0°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7410; ConvF(8.17, 8.17, 8.17) @ 1750 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)

1750 MHz System Verification at 20.0 dBm (100 mW)

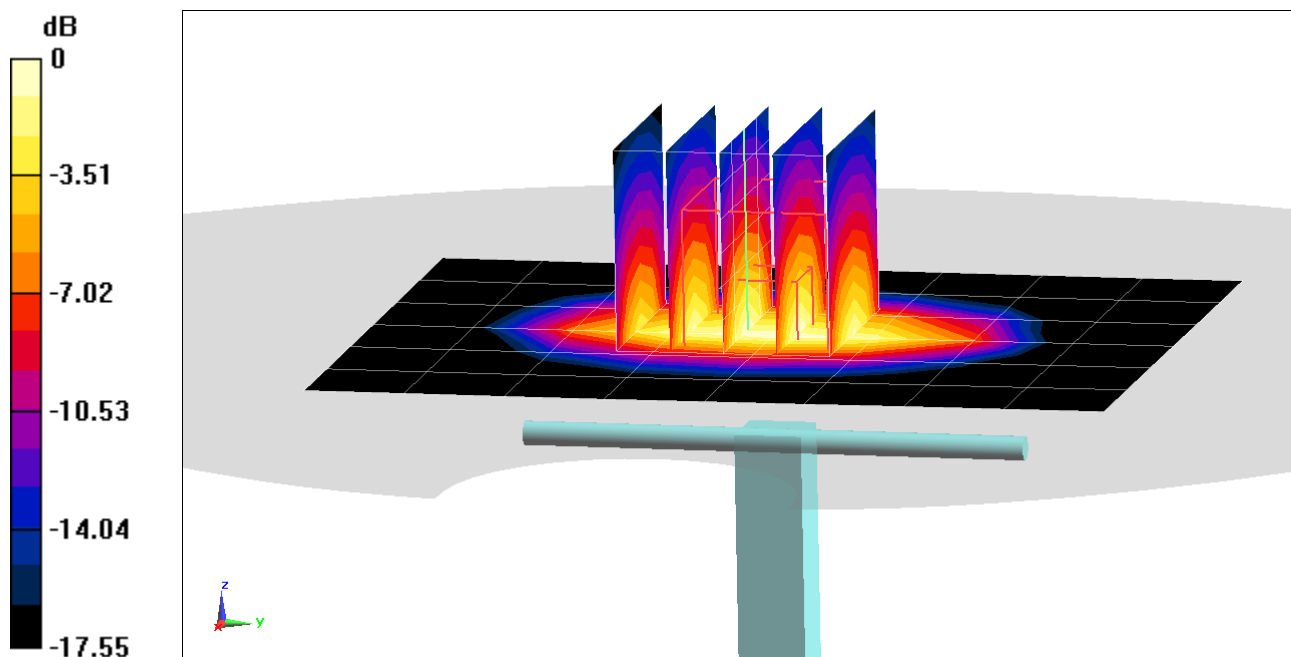
Area Scan (7x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 7.14 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.08 W/kg

Deviation(1 g) = 7.65%; Deviation(10 g) = 7.22%



0 dB = 5.94 W/kg = 7.74 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:

$f = 1750$ MHz; $\sigma = 1.5$ S/m; $\epsilon_r = 51.98$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/20/2021; Ambient Temp: 24.0°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7410; ConvF(8.17, 8.17, 8.17) @ 1750 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)

1750 MHz System Verification at 20.0 dBm (100 mW)

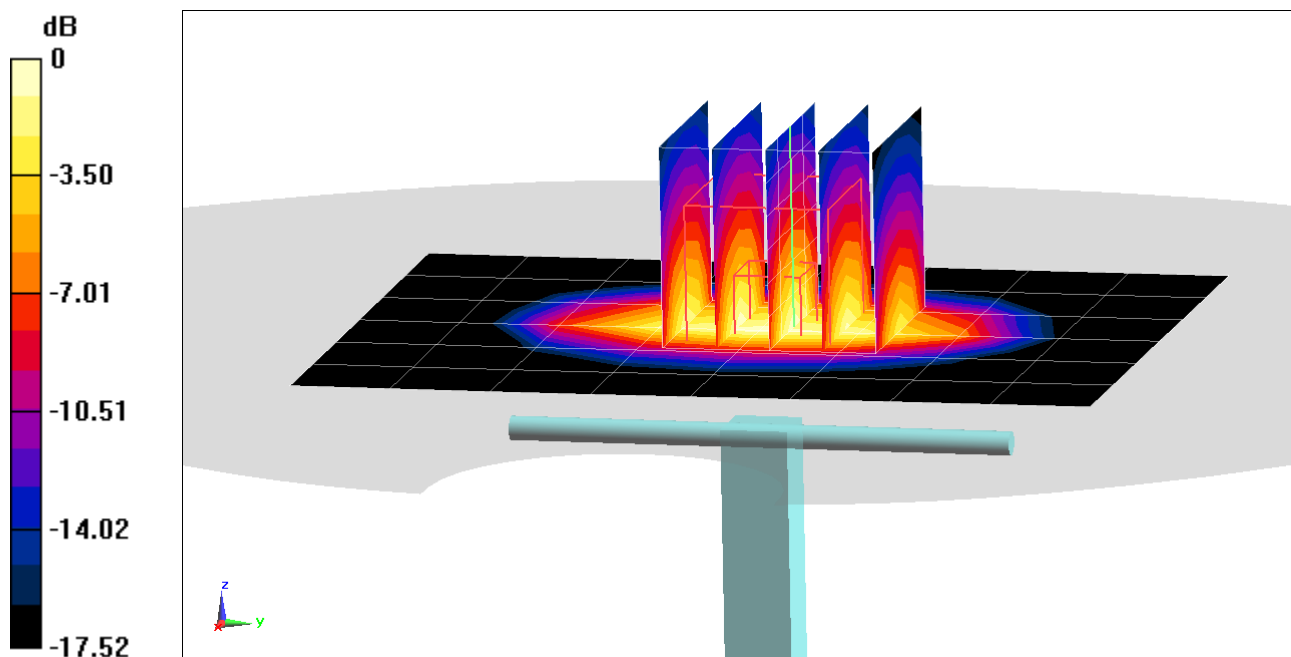
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 6.90 W/kg

SAR(1 g) = 3.8 W/kg

Deviation(1 g) = 3.83%



0 dB = 5.79 W/kg = 7.63 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:

$f = 1750 \text{ MHz}$; $\sigma = 1.535 \text{ S/m}$; $\epsilon_r = 51.567$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/22/2021; Ambient Temp: 22.4°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7410; ConvF(8.17, 8.17, 8.17) @ 1750 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)

1750 MHz System Verification at 20.0 dBm (100 mW)

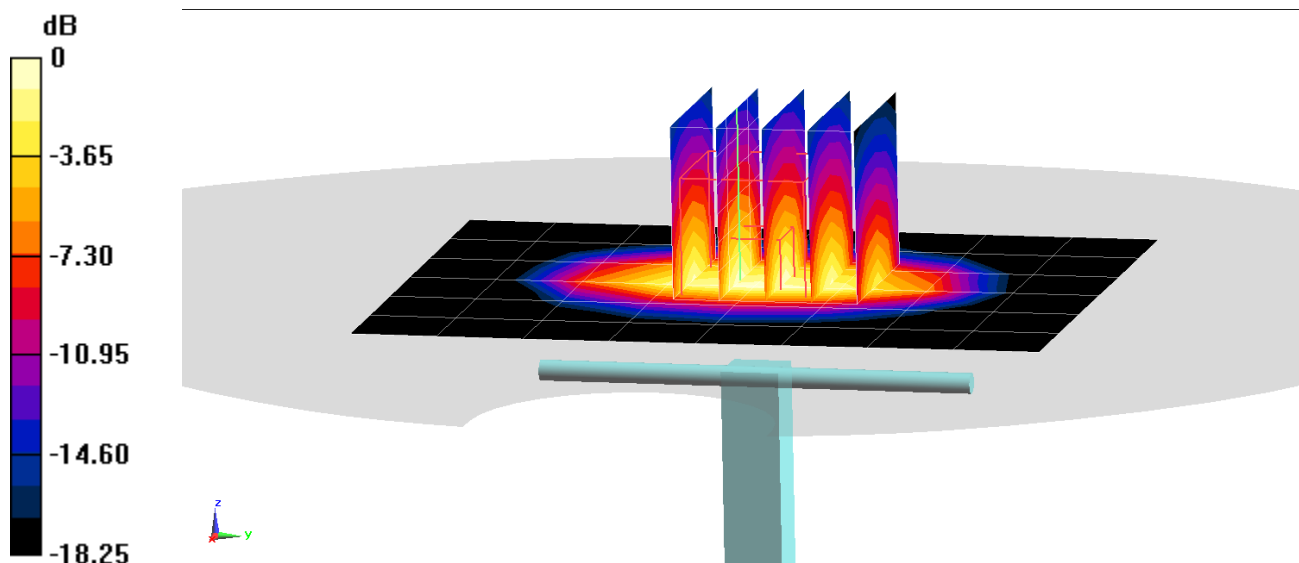
Area Scan (7x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 7.05 W/kg

SAR(1 g) = 3.88 W/kg

Deviation(1 g) = 6.01%



0 dB = 5.83 W/kg = 7.66 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:

$f = 1900 \text{ MHz}$; $\sigma = 1.578 \text{ S/m}$; $\epsilon_r = 51.307$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04/21/2021; Ambient Temp: 23.4°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN3589; ConvF(6.84, 6.84, 6.84) @ 1900 MHz; Calibrated: 1/20/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1558; Calibrated: 1/13/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1646

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

1900 MHz System Verification at 20.0 dBm (100 mW)

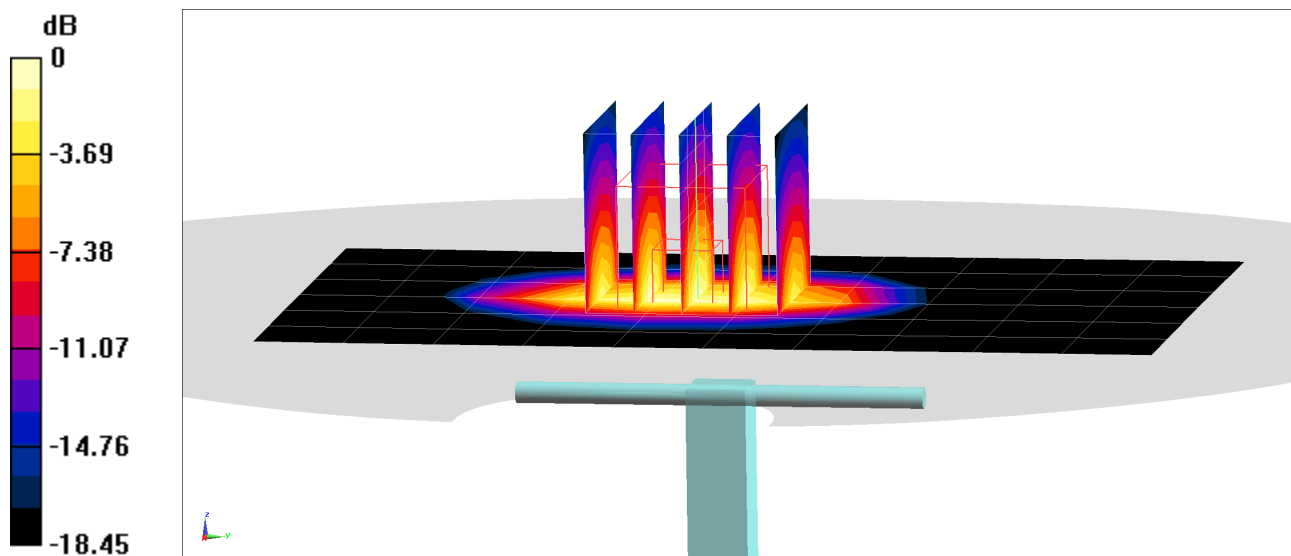
Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 7.81 W/kg

SAR(1 g) = 4.15 W/kg

Deviation(1 g) = 5.87%



0 dB = 6.51 W/kg = 8.14 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:

$f = 1900 \text{ MHz}$; $\sigma = 1.553 \text{ S/m}$; $\epsilon_r = 52.012$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 04/28/2021; Ambient Temp: 23.4°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN3589; ConvF(6.84, 6.84, 6.84) @ 1900 MHz; Calibrated: 1/20/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1558; Calibrated: 1/13/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1646

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

1900 MHz System Verification at 20.0 dBm (100 mW)

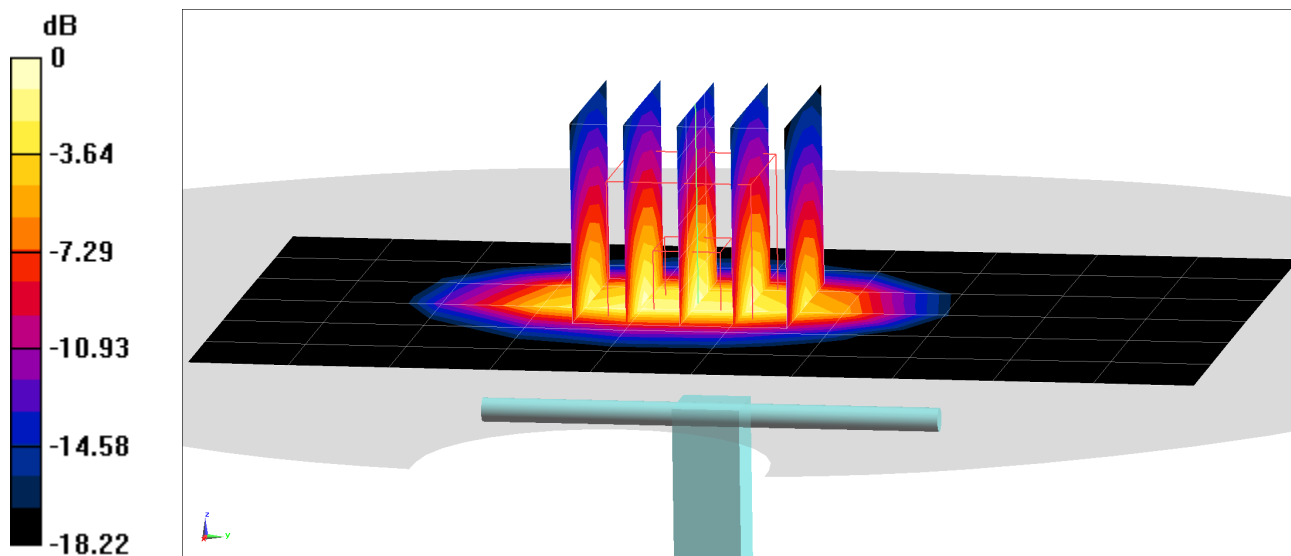
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.41 W/kg

SAR(10 g) = 2.05 W/kg

Deviation(10 g) = -0.49%



0 dB = 6.19 W/kg = 7.92 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:

$f = 1900 \text{ MHz}$; $\sigma = 1.548 \text{ S/m}$; $\epsilon_r = 51.739$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/02/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN3589; ConvF(6.84, 6.84, 6.84) @ 1900 MHz; Calibrated: 1/20/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1558; Calibrated: 1/13/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1646

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

1900 MHz System Verification at 20.0 dBm (100 mW)

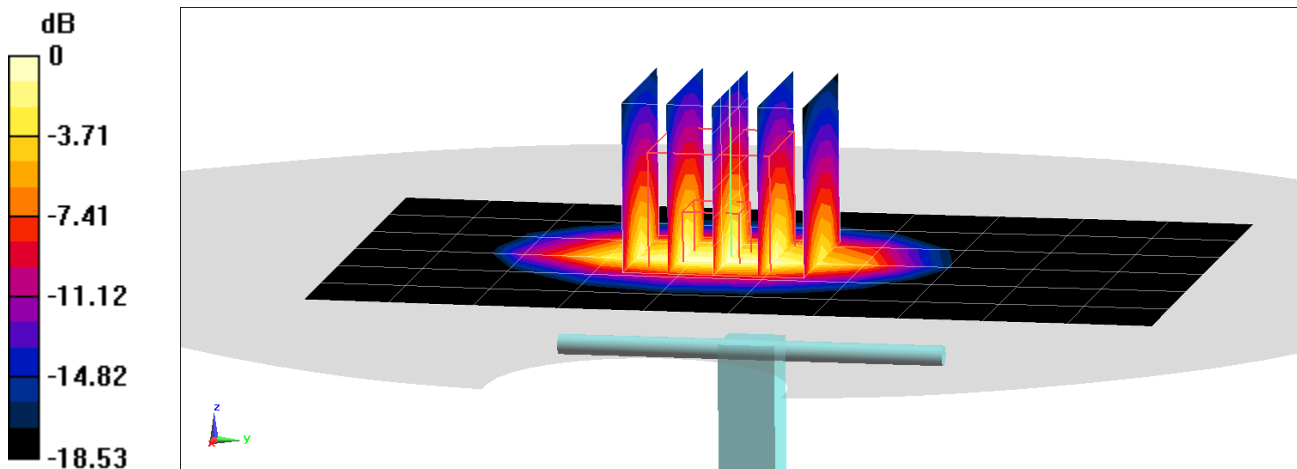
Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 7.85 W/kg

SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.1 W/kg

Deviation(1 g) = 4.34%; Deviation(10 g) = 1.94%



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:

$f = 1900 \text{ MHz}$; $\sigma = 1.562 \text{ S/m}$; $\epsilon_r = 52.532$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/05/2021; Ambient Temp: 23.1°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN3589; ConvF(6.84, 6.84, 6.84) @ 1900 MHz; Calibrated: 1/20/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1558; Calibrated: 1/13/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1646

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

1900 MHz System Verification at 20.0 dBm (100 mW)

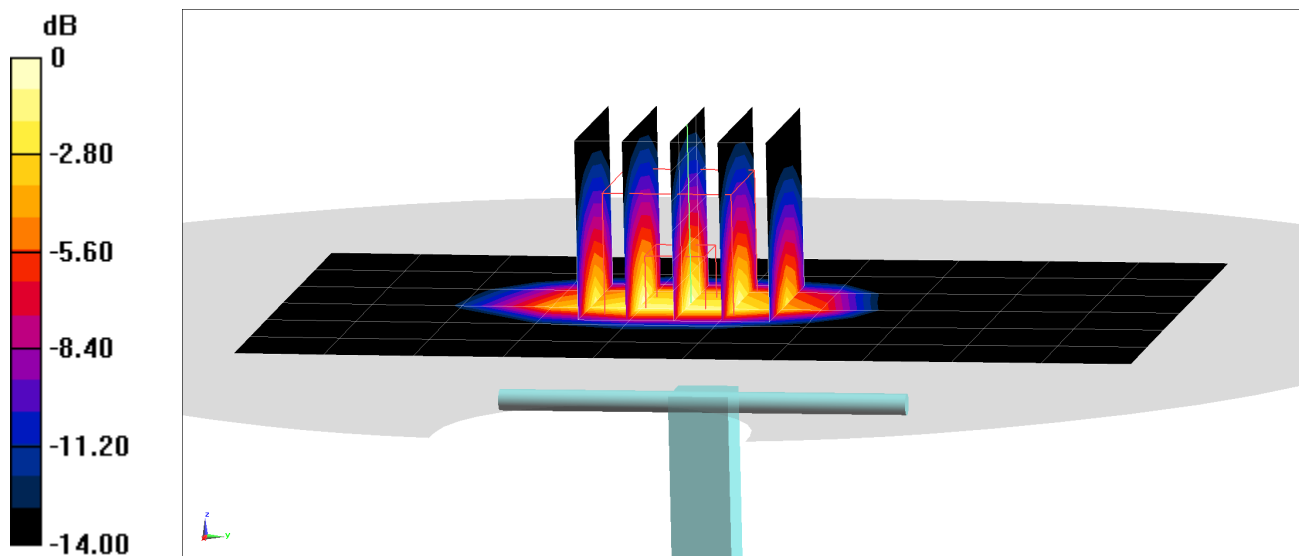
Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 7.76 W/kg

SAR(1 g) = 4.14 W/kg

Deviation(1 g) = 5.61%



0 dB = 6.47 W/kg = 8.11 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:

$f = 1900 \text{ MHz}$; $\sigma = 1.564 \text{ S/m}$; $\epsilon_r = 51.795$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/16/2021; Ambient Temp: 23.3°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN3589; ConvF(6.84, 6.84, 6.84) @ 1900 MHz; Calibrated: 1/20/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1558; Calibrated: 1/13/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1646

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

1900 MHz System Verification at 20.0 dBm (100 mW)

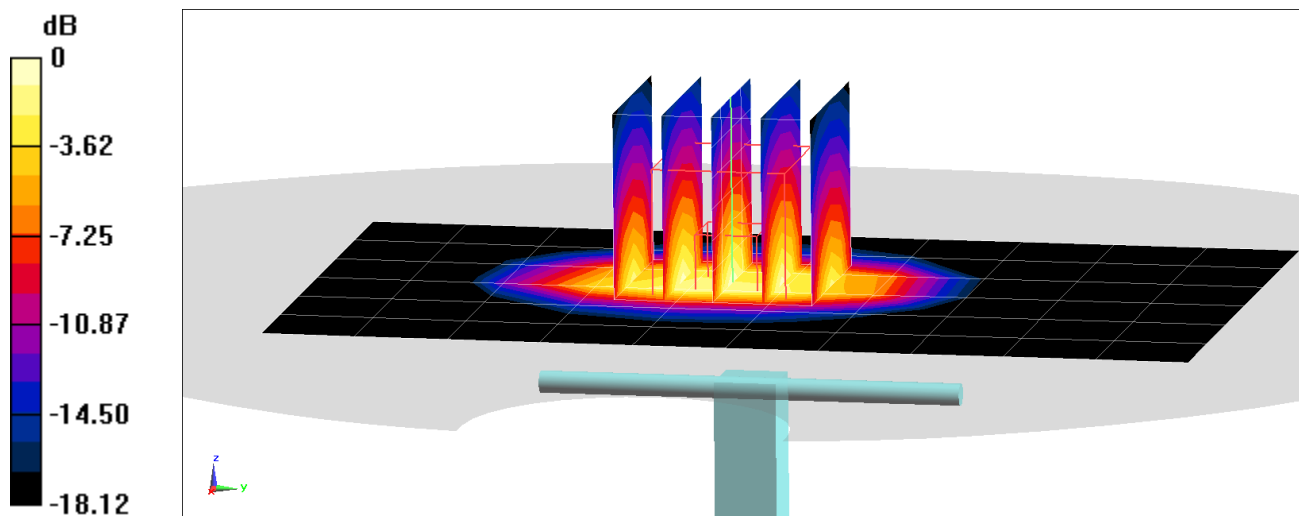
Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 7.62 W/kg

SAR(1 g) = 4.01 W/kg

Deviation(1 g) = 2.30%



0 dB = 6.34 W/kg = 8.02 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:

$f = 1900 \text{ MHz}$; $\sigma = 1.562 \text{ S/m}$; $\epsilon_r = 53.109$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/19/2021; Ambient Temp: 23.7°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN3589; ConvF(6.84, 6.84, 6.84) @ 1900 MHz; Calibrated: 1/20/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1558; Calibrated: 1/13/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1646

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

1900 MHz System Verification at 20.0 dBm (100 mW)

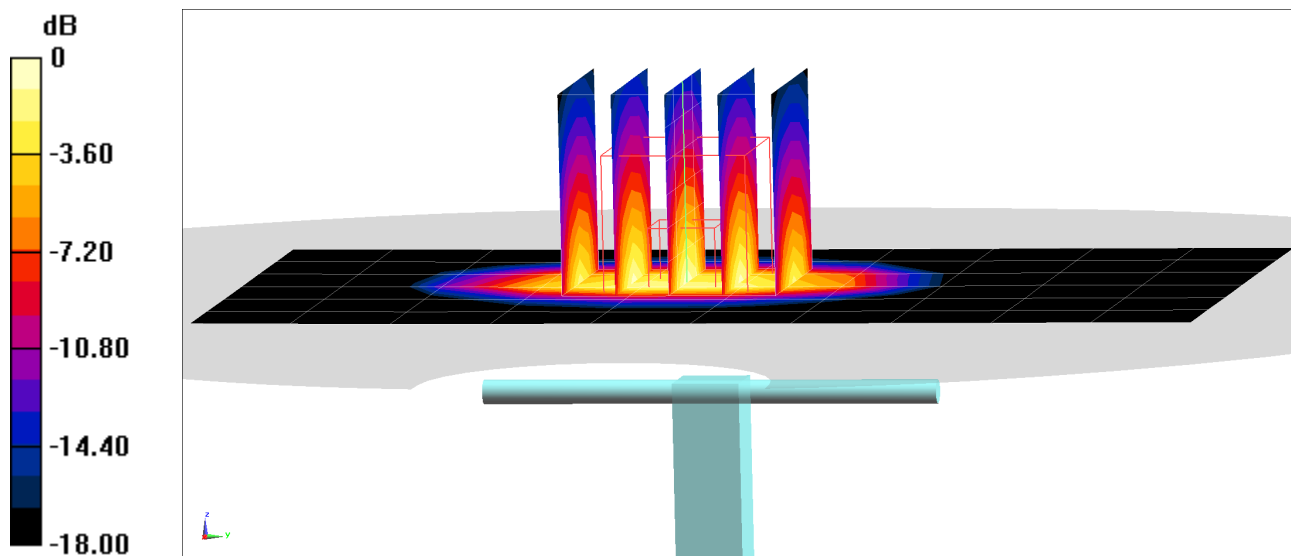
Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 7.70 W/kg

SAR(1 g) = 4.1 W/kg; SAR(10 g) = 2.12 W/kg

Deviation(1 g) = 4.59%; Deviation(10 g) = 2.91%



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

PCTEST

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d148

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

Medium: 1900 Body Medium parameters used:

$f = 1900 \text{ MHz}$; $\sigma = 1.57 \text{ S/m}$; $\epsilon_r = 52.095$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/22/2021; Ambient Temp: 24.0°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN3589; ConvF(6.84, 6.84, 6.84) @ 1900 MHz; Calibrated: 1/20/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1558; Calibrated: 1/13/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1646

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

1900 MHz System Verification at 20.0 dBm (100 mW)

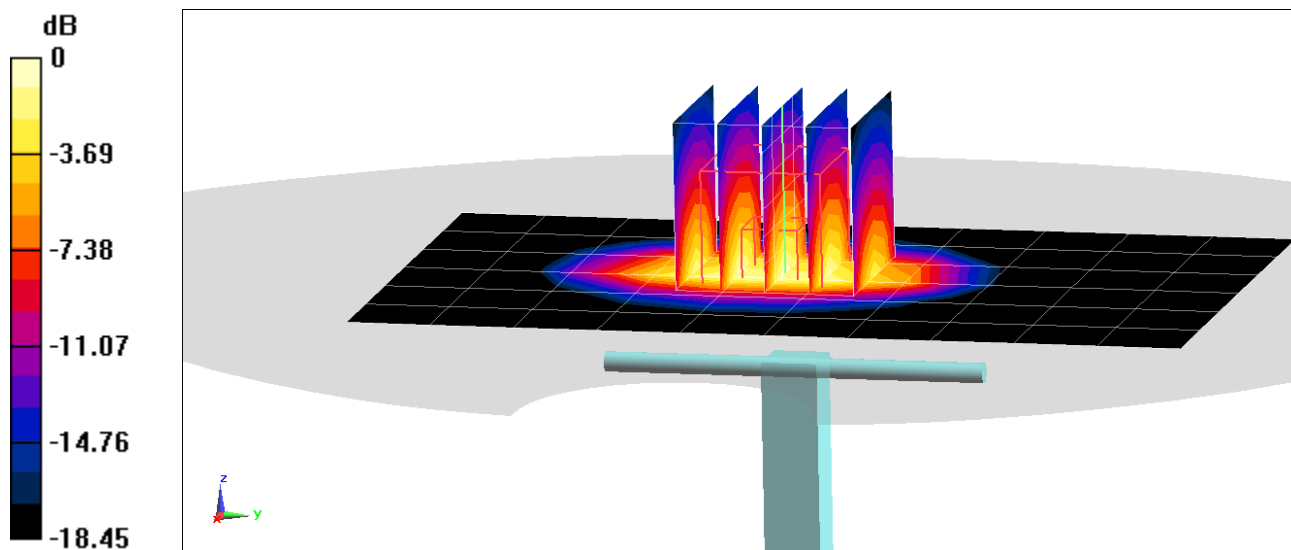
Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 7.76 W/kg

SAR(1 g) = 4.1 W/kg; SAR(10 g) = 2.11 W/kg

Deviation(1 g) = 4.86%; Deviation(10 g) = 2.93%



0 dB = 6.45 W/kg = 8.10 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; $\sigma = 1.571$ S/m; $\epsilon_r = 52.031$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/31/2021; Ambient Temp: 23.3°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3589; ConvF(6.84, 6.84, 6.84) @ 1900 MHz; Calibrated: 1/20/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1558; Calibrated: 1/13/2021

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1646

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

1900 MHz System Verification at 20.0 dBm (100 mW)

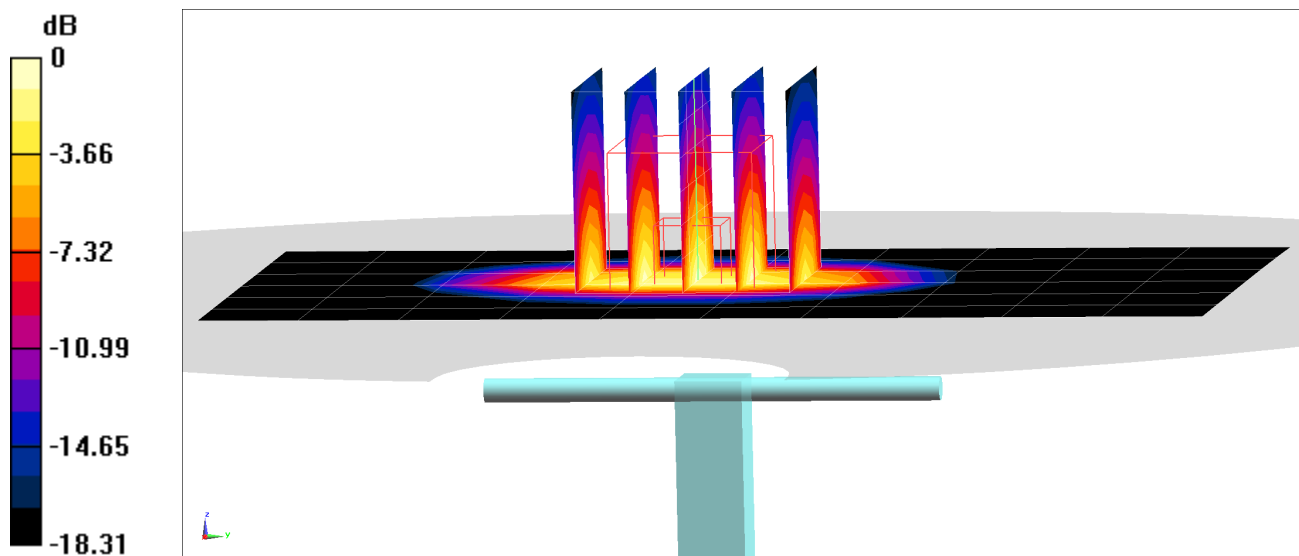
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.78 W/kg

SAR(1 g) = 4.11 W/kg

Deviation(1 g) = 4.85%



0 dB = 6.49 W/kg = 8.12 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; $\sigma = 1.499$ S/m; $\epsilon_r = 52.225$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 06/02/2021; Ambient Temp: 24.4°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7571; ConvF(7.67, 7.67, 7.67) @ 1900 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)

1900 MHz System Verification at 20.0 dBm (100 mW)

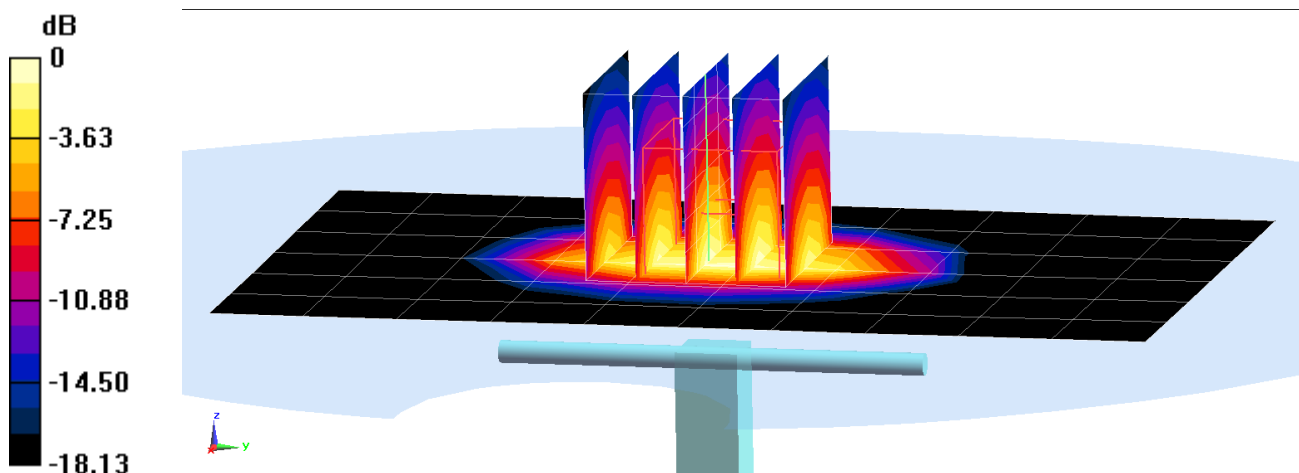
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.50 W/kg

SAR(1 g) = 4.12 W/kg

Deviation(1 g) = 5.10%



0 dB = 6.28 W/kg = 7.98 dBW/kg

PCTEST

DUT: Dipole 2300.0 MHz; Type: D2300V2; Serial: 1073

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Body; Medium parameters used:
 $f = 2300.0$ MHz; $\text{cond} = 1.86$ S/m; $\text{perm} = 51.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 04/08/2021; Ambient Temp: 24.4°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7538; ConvF:(7.62,7.62,7.62); 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

2300.0 MHz System Verification at 20.0 dBm (100 mW)

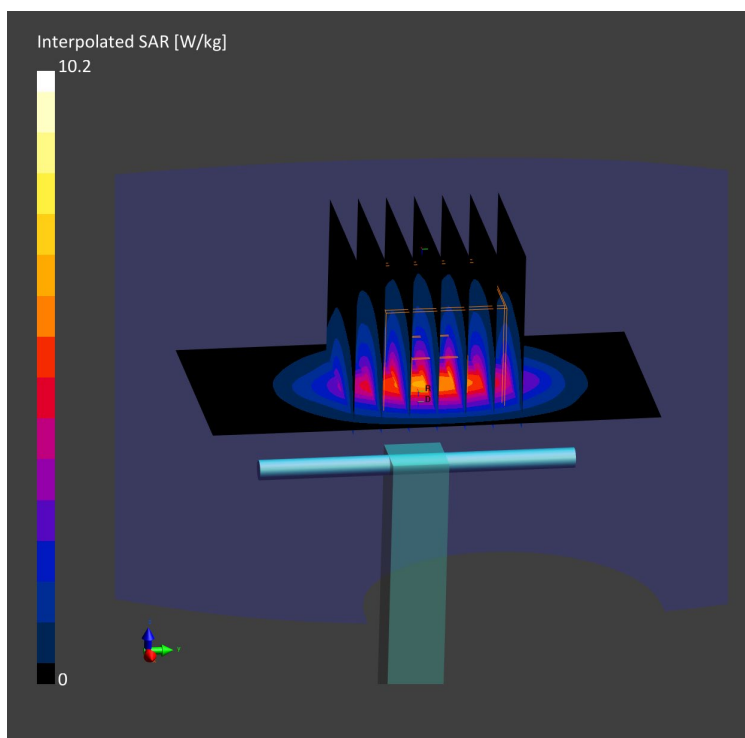
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 10.2 W/kg

SAR(1 g) = 5.05 W/kg

Deviation (1 g) = 5.87%



PCTEST

DUT: Dipole 2300.0 MHz; Type: D2300V2; Serial: 1073

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Body; Medium parameters used:
 $f = 2300.0$ MHz; $\text{cond} = 1.86$ S/m; $\text{perm} = 51.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 04/11/2021; Ambient Temp: 24.0°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7538; ConvF:(7.62,7.62,7.62); 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

2300.0 MHz System Verification at 20.0 dBm (100 mW)

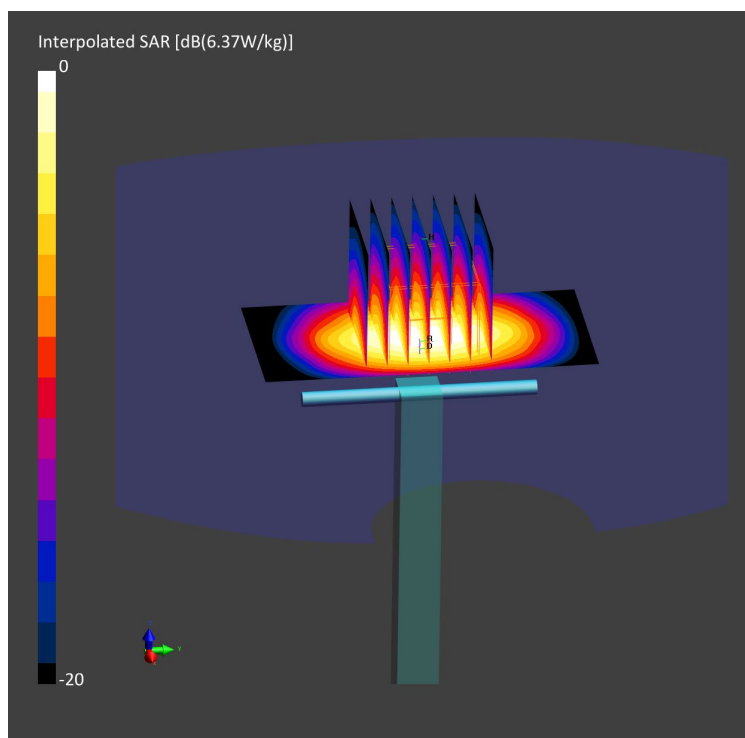
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 9.98 W/kg

SAR(10 g) = 2.34 W/kg

Deviation (10 g) = 0.86%



PCTEST

DUT: Dipole 2300.0 MHz; Type: D2300V2; Serial: 1073

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Body; Medium parameters used:
 $f = 2300.0$ MHz; $\text{cond} = 1.87$ S/m; $\text{perm} = 52.9$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 04/18/2021; Ambient Temp: 24.0°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7538; ConvF:(7.62,7.62,7.62); 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

2300.0 MHz System Verification at 20.0 dBm (100 mW)

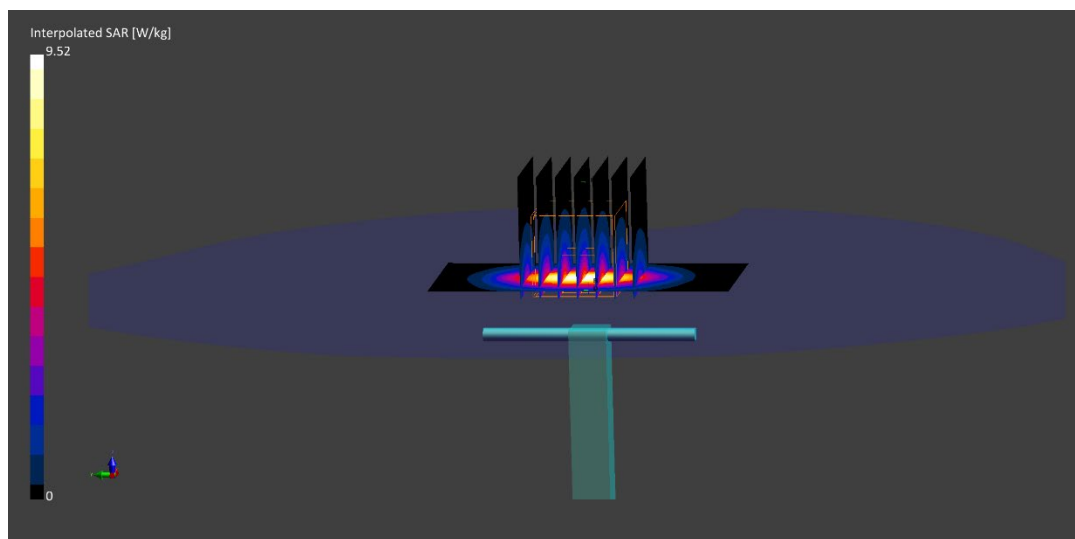
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 9.52 W/kg

SAR(1 g) = 4.73 W/kg

Deviation (1 g) = -0.84%



PCTEST

DUT: Dipole 2300.0 MHz; Type: D2300V2; Serial: 1073

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Body; Medium parameters used:
 $f = 2300.0$ MHz; $\text{cond} = 1.78$ S/m; $\text{perm} = 53.3$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 04/26/2021; Ambient Temp: 23.0°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7539; ConvF:(7.64,7.64,7.64); 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

2300.0 MHz System Verification at 20.0 dBm (100 mW)

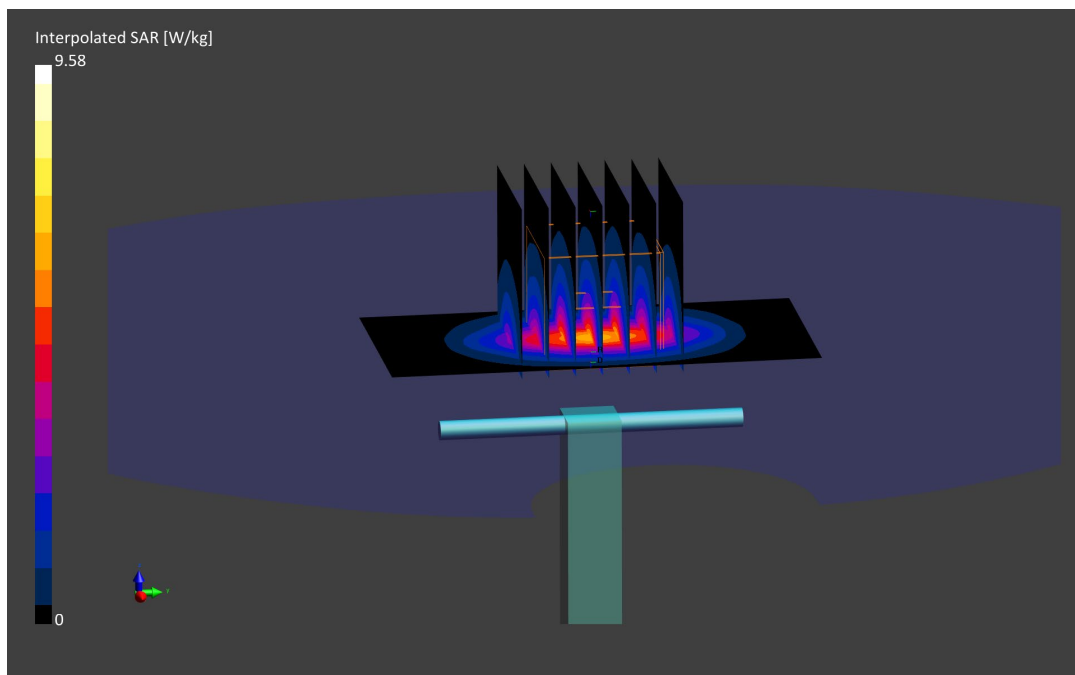
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 9.58 W/kg

SAR(1 g) = 4.90 W/kg; SAR(10 g) = 2.36 W/kg

Deviation (1 g) = 2.73%; Deviation (10 g) = 1.72%



PCTEST

DUT: Dipole 2300 MHz; Type: D2300V2; Serial: 1073

Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1

Medium: 2450 Body Medium parameters used:

$f = 2300 \text{ MHz}$; $\sigma = 1.823 \text{ S/m}$; $\epsilon_r = 51.633$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/19/2021; Ambient Temp: 24.7°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7571; ConvF(7.51, 7.51, 7.51) @ 2300 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)

2300 MHz System Verification at 20.0 dBm (100 mW)

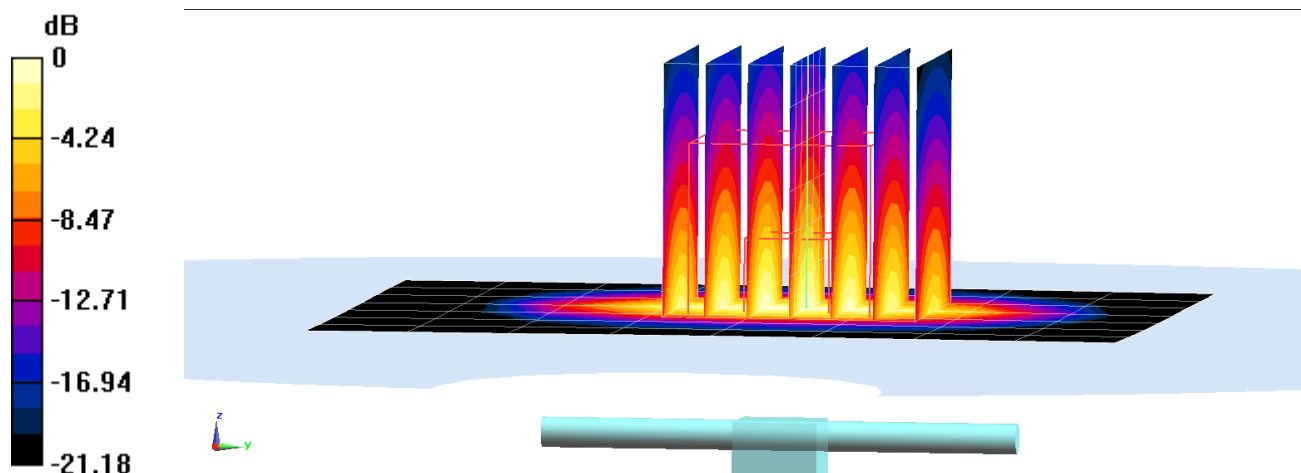
Area Scan (8x9x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 9.21 W/kg

SAR(1 g) = 4.61 W/kg

Deviation(1 g) = -3.35%



PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 981

Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2450.0 MHz; cond = 1.99 S/m; perm = 51.9; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 04/15/2021; Ambient Temp: 20.5°C; Tissue Temp: 22.0°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 V5.0 (Left); Serial: 1630
Measurement SW: cDASY6 Module SAR V6.14.0.959

2450.0 MHz System Verification at 20.0 dBm (100mW)

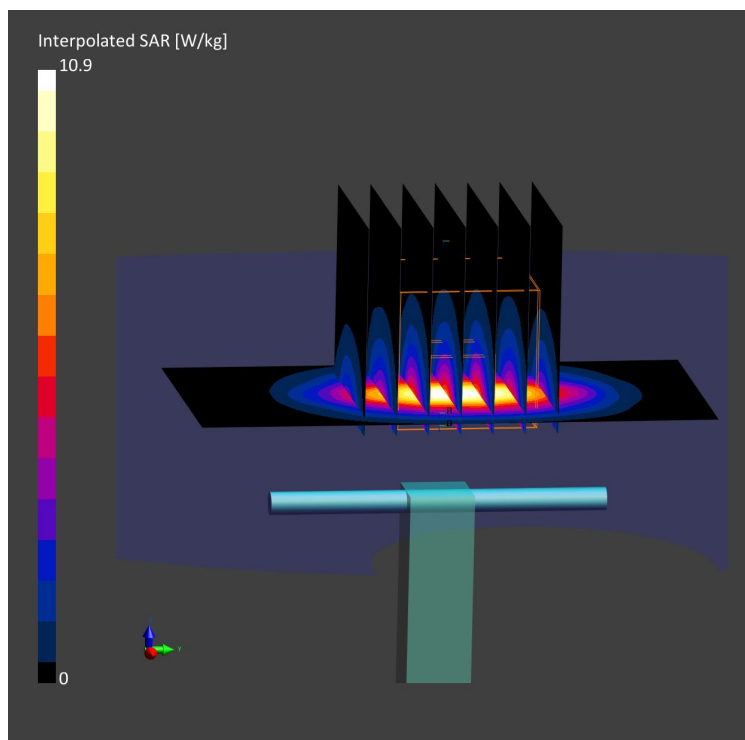
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

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) = 10.9 W/kg

SAR(1 g) = 4.98 W/kg; SAR(10 g) = 2.23 W/kg

Deviation (1 g) = -0.60%; Deviation (10 g) = -5.91%



PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 981

Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
 $f = 2450.0$ MHz; $\text{cond} = 2.01$ S/m; $\text{perm} = 52.3$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 04/18/2021; Ambient Temp: 22.9°C; Tissue Temp: 22.3°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 V5.0 (Left); Serial: 1630
Measurement SW: cDASY6 Module SAR V6.14.0.959

2450.0 MHz System Verification at 20.0 dBm (100 mW)

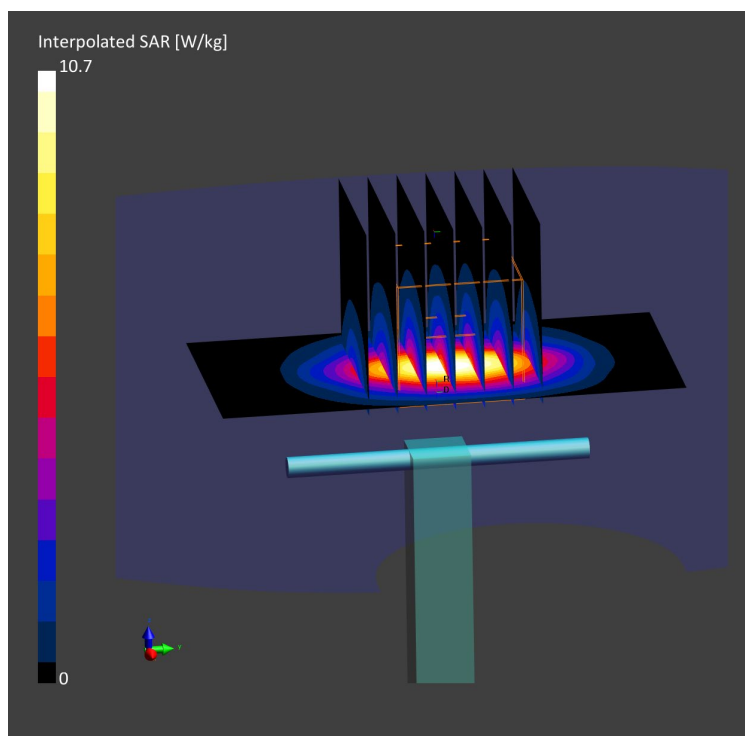
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 10.7 W/kg

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

Deviation (1 g) = 2.20%; Deviation (10 g) = -0.42%



PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 719

Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2450.0 MHz; cond = 2.03 S/m; perm = 51.3; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/06/2021; Ambient Temp: 22.6°C; Tissue Temp: 22.4°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 (100 mW)

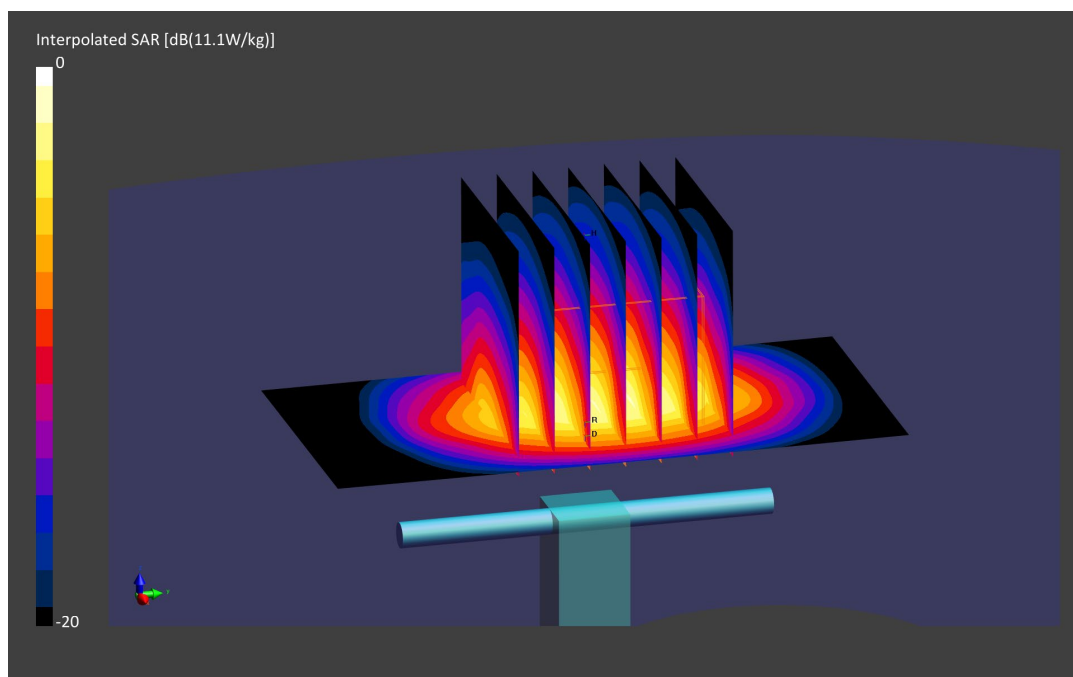
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

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) = 11.1 W/kg

SAR(1 g) = 5.22 W/kg

Deviation (1 g) = 2.96%



PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 719

Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
 $f = 2450.0$ MHz; $\text{cond} = 2.04$ S/m; $\text{perm} = 50.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/09/2021; Ambient Temp: 22.9°C; Tissue Temp: 21.4°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 (100 mW)

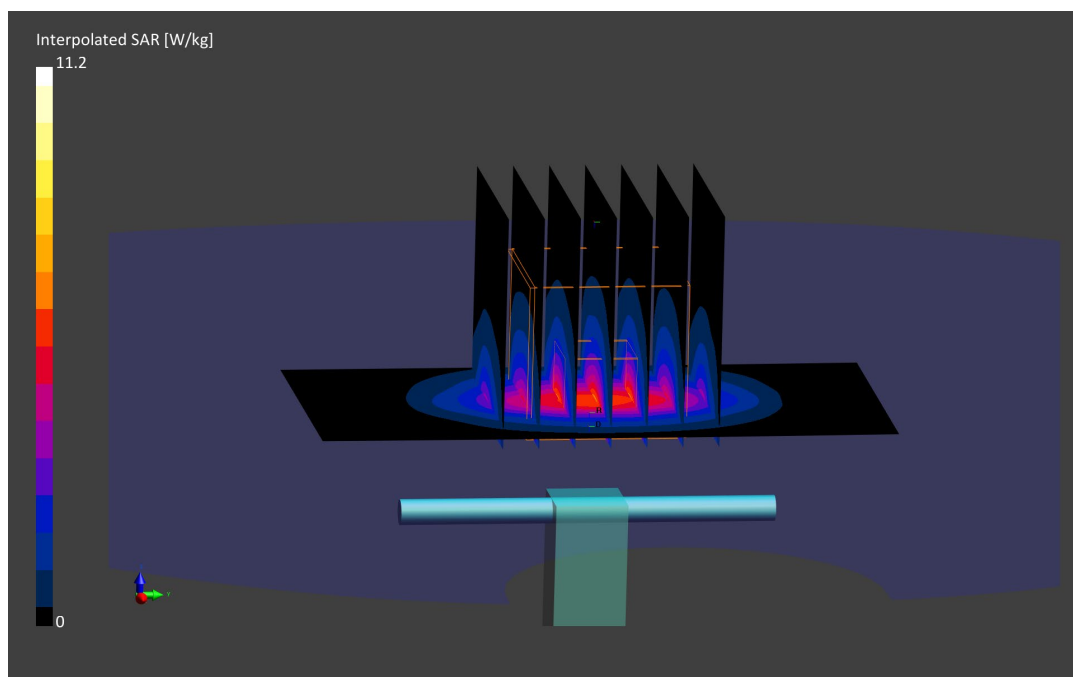
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 5.10 W/kg

Deviation (1 g) = 0.59%



PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 719

Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
 $f = 2450.0$ MHz; $\text{cond} = 2.00$ S/m; $\text{perm} = 53.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/20/2021; Ambient Temp: 24.0°C; Tissue Temp: 21.7°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 (100 mW)

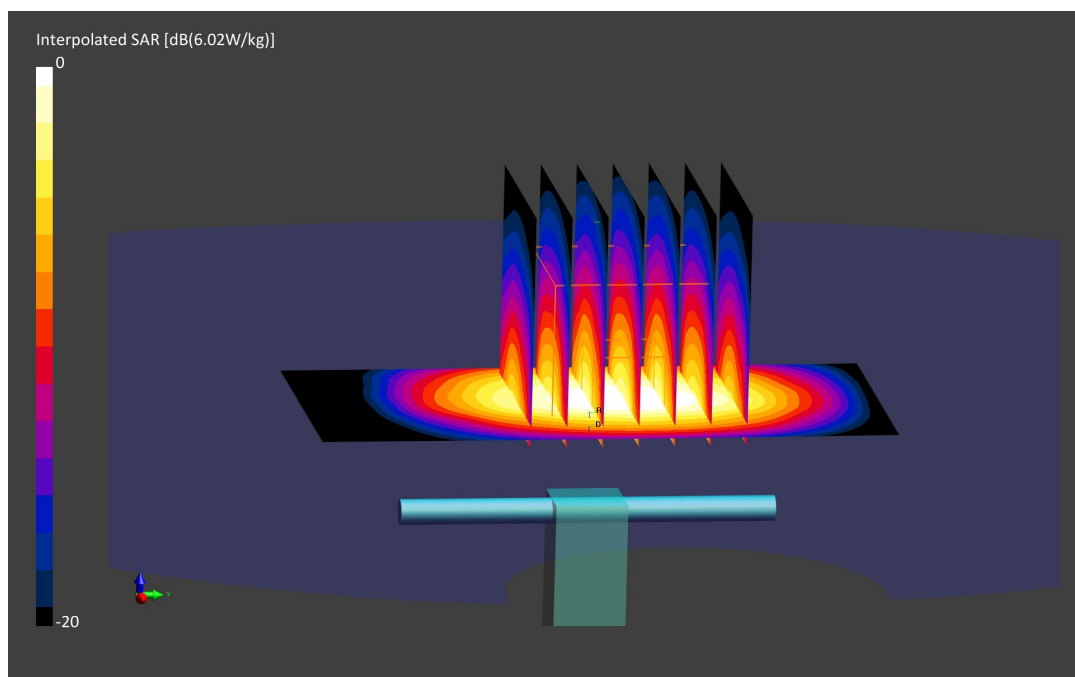
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 11.20 W/kg

SAR(1 g) = 5.21 W/kg

Deviation (1 g) = 2.76%



PCTEST

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

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

Medium: 2450 Body Medium parameters used:

$f = 2450 \text{ MHz}$; $\sigma = 1.967 \text{ S/m}$; $\epsilon_r = 50.665$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/22/2021; Ambient Temp: 24.3°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7571; ConvF(7.39, 7.39, 7.39) @ 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)

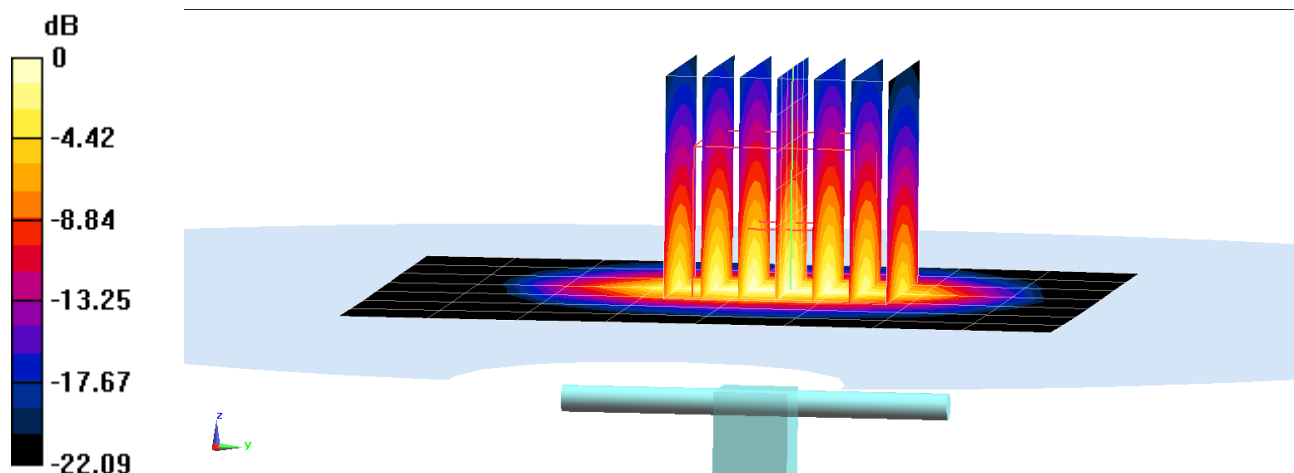
Area Scan (8x9x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 10.7 W/kg

SAR(1 g) = 5.06 W/kg; SAR(10 g) = 2.33 W/kg

Deviation(1 g) = -0.20%; Deviation(10 g) = -2.51%



0 dB = 8.53 W/kg = 9.31 dBW/kg

PCTEST

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

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

Medium: 2450 Body Medium parameters used:

$f = 2450 \text{ MHz}$; $\sigma = 2.014 \text{ S/m}$; $\epsilon_r = 51.031$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/25/2021; Ambient Temp: 24.7°C; Tissue Temp: 24.5°C

Probe: EX3DV4 - SN7571; ConvF(7.39, 7.39, 7.39) @ 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)

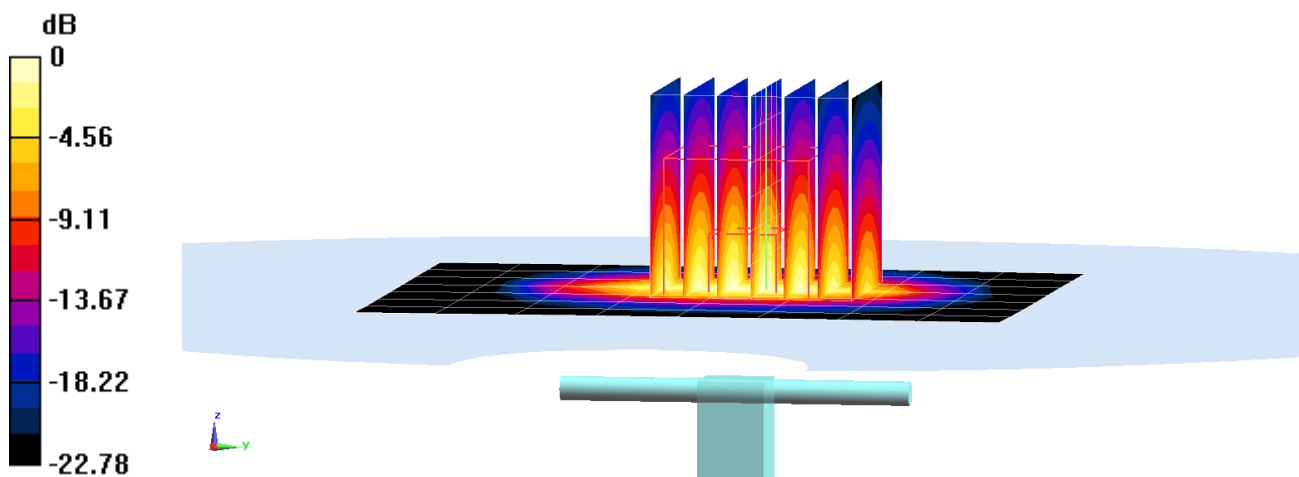
Area Scan (8x9x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Peak SAR (extrapolated) = 10.8 W/kg

SAR(1 g) = 5.12 W/kg

Deviation(1 g) = 0.99%



PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 719

Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
 $f = 2450.0$ MHz; $\text{cond} = 1.96$ S/m; $\text{perm} = 52.6$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/26/2021; Ambient Temp: 23.5°C; Tissue Temp: 23.0°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 (100 mW)

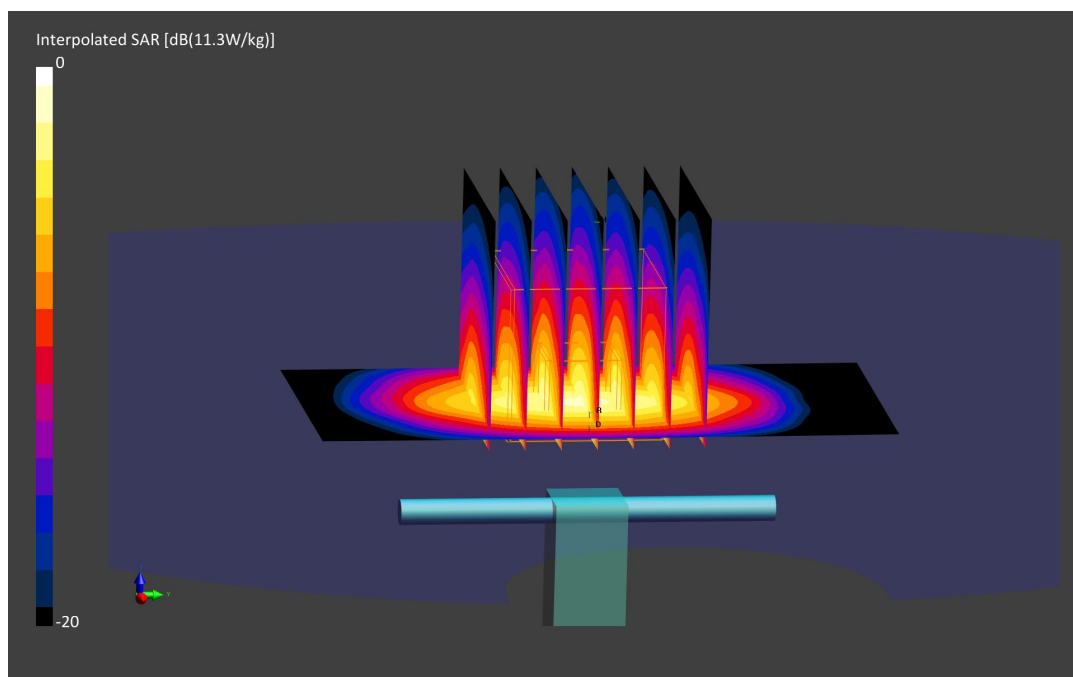
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 11.3 W/kg

SAR(1 g) = 5.34 W/kg

Deviation (1 g) = 5.33%



PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 719

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 = 51.3; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 06/02/2021; Ambient Temp: 24.4°C; Tissue Temp: 21.9°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 (100 mW)

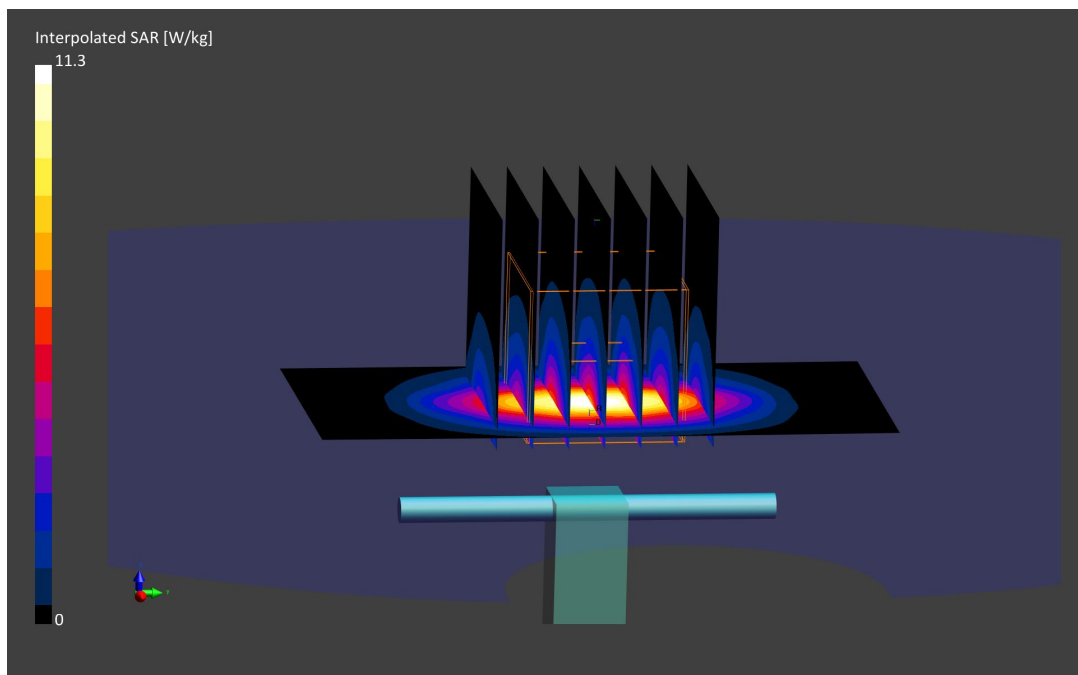
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

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) = 11.3 W/kg

SAR(1 g) = 5.36 W/kg; SAR(10 g) = 2.46 W/kg

Deviation (1 g) = 5.72%; Deviation (10 g) = 2.93%



PCTEST

DUT: Dipole 2600.0 MHz; Type: D2600V2; Serial: 1071

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Body; Medium parameters used:
 $f = 2600.0$ MHz; $\text{cond} = 2.19$ S/m; $\text{perm} = 51.3$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 04/15/2021; Ambient Temp: 20.5°C; Tissue Temp: 22.0°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 V5.0 (Left); Serial: 1630
Measurement SW: cDASY6 Module SAR V6.14.0.959

2600.0 MHz System Verification at 20.0 dBm (100mW)

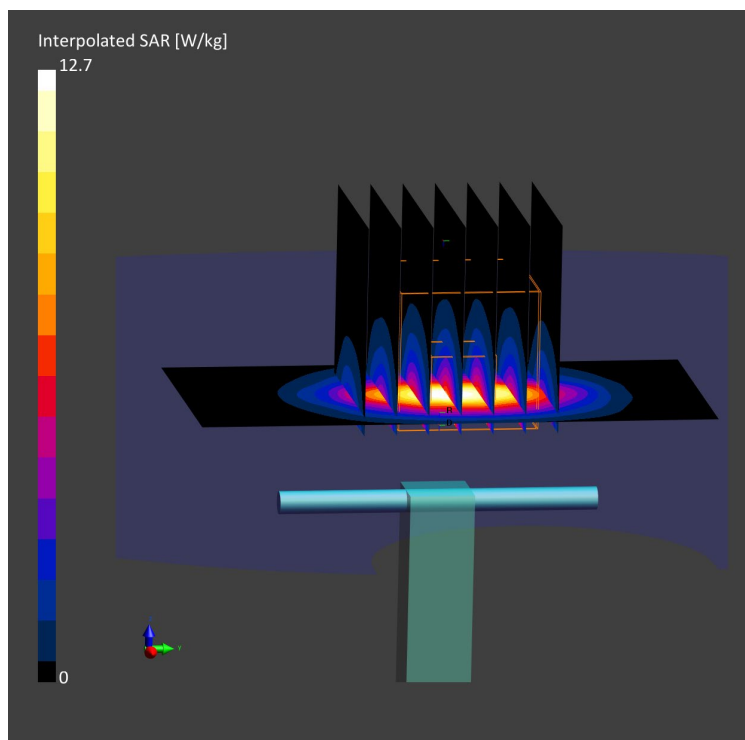
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.54 W/kg; SAR(10 g) = 2.38 W/kg

Deviation (1 g) = 2.03%; Deviation (10 g) = -1.24%



PCTEST

DUT: Dipole 2600.0 MHz; Type: D2600V2; Serial: 1071

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2600.0 MHz; cond = 2.21 S/m; perm = 51.8; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 04/18/2021; Ambient Temp: 22.9°C; Tissue Temp: 22.3°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 V5.0 (Left); Serial: 1630
Measurement SW: cDASY6 Module SAR V6.14.0.959

2600.0 MHz System Verification at 20.0 dBm (100 mW)

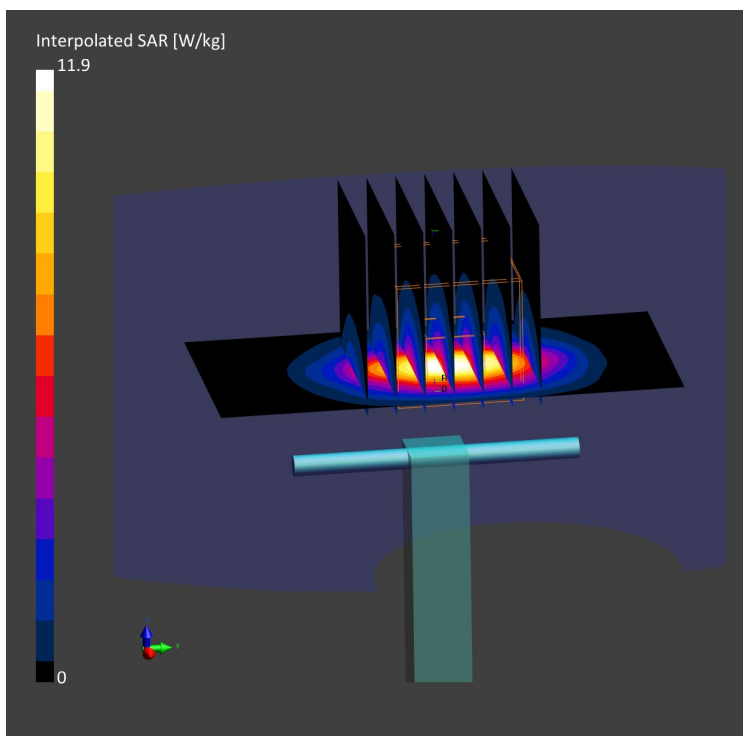
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

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) = 11.9 W/kg

SAR(1 g) = 5.30 W/kg; SAR(10 g) = 2.34 W/kg

Deviation (1 g) = -2.39%; Deviation (10 g) = -2.90%



PCTEST

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1064

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

Medium: 2450 Body Medium parameters used:

$f = 2600 \text{ MHz}$; $\sigma = 2.132 \text{ S/m}$; $\epsilon_r = 50.27$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/22/2021; Ambient Temp: 24.3°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7571; ConvF(7.19, 7.19, 7.19) @ 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)

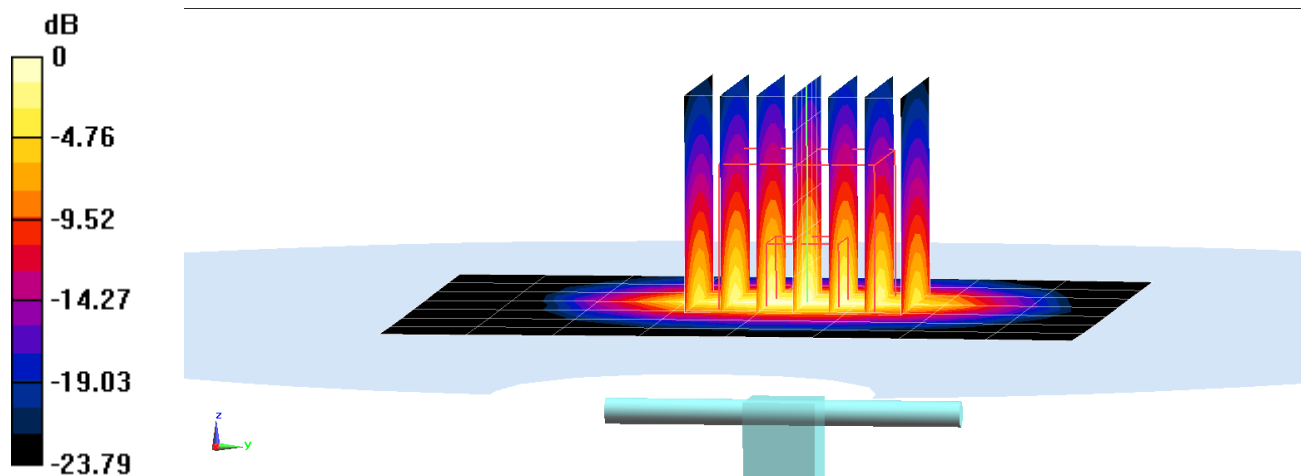
2600 MHz System Verification at 20.0 dBm (100 mW)

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

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

SAR(1 g) = 5.39 W/kg; SAR(10 g) = 2.36 W/kg

Deviation(1 g) = -3.06%; Deviation(10 g) = -5.60%



0 dB = 9.50 W/kg = 9.78 dBW/kg

PCTEST

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1064

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

Medium: 2450 Body Medium parameters used:

$f = 2600$ MHz; $\sigma = 2.181$ S/m; $\epsilon_r = 50.616$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 05/25/2021; Ambient Temp: 24.7°C; Tissue Temp: 24.5°C

Probe: EX3DV4 - SN7571; ConvF(7.19, 7.19, 7.19) @ 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)

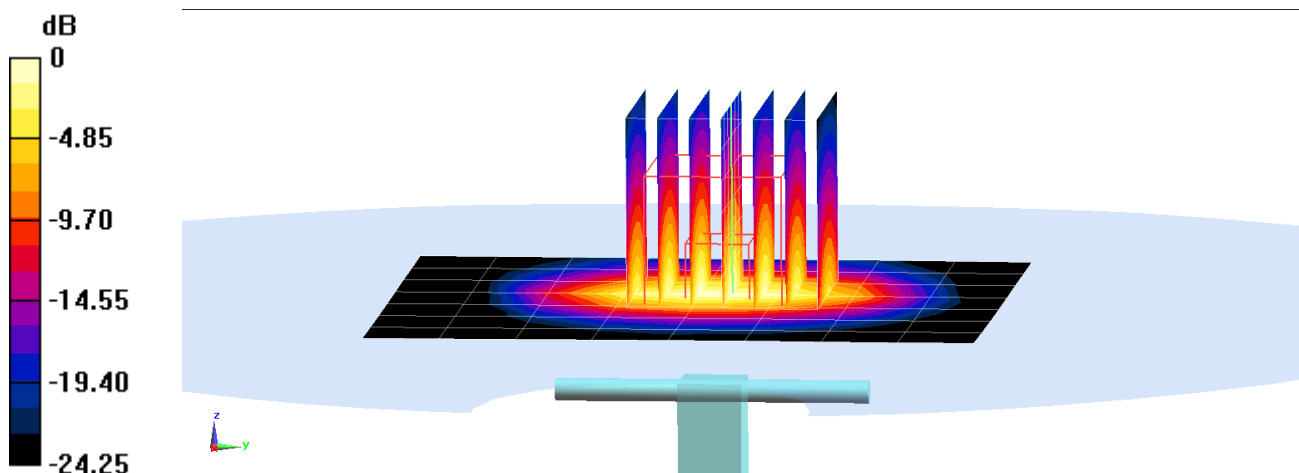
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.56 W/kg

Deviation(1 g) = 0.00%



PCTEST

DUT: Dipole 2600.0 MHz; Type: D2600V2; Serial: 1064

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Body; Medium parameters used:
 $f = 2600.0$ MHz; $\text{cond} = 2.23$ S/m; $\text{perm} = 50.9$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 06/02/2021; Ambient Temp: 24.4°C; Tissue Temp: 21.9°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 (100 mW)

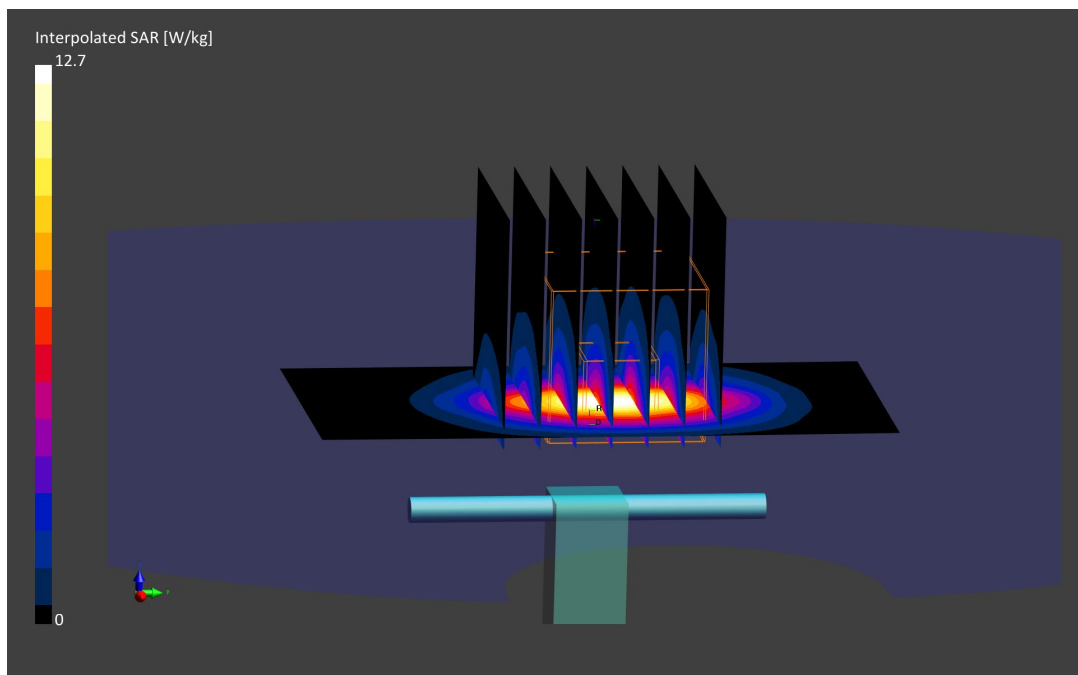
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.76 W/kg; SAR(10 g) = 2.55 W/kg

Deviation (1 g) = 3.60%; Deviation (10 g) = 2.00%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2; Serial: 1097

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3500.0$ MHz; $\text{cond} = 3.25$ S/m; $\text{perm} = 49.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/03/2021; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.31,6.31,6.31); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3500.0 MHz System Verification at 20.0 dBm (100 mW)

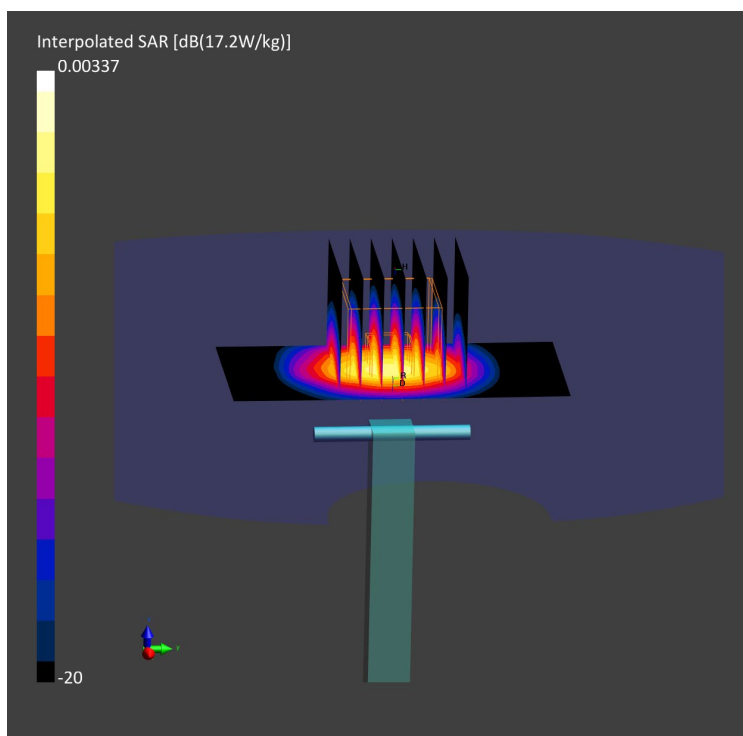
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.2 W/kg

SAR(1 g) = 6.77 W/kg

Deviation (1 g) = 5.45%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2; Serial: 1097

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3500.0$ MHz; $\text{cond} = 3.31$ S/m; $\text{perm} = 50.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/15/2021; Ambient Temp: 20.1°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7551; ConvF:(6.31,6.31,6.31); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3500.0 MHz System Verification at 20.0 dBm (100 mW)

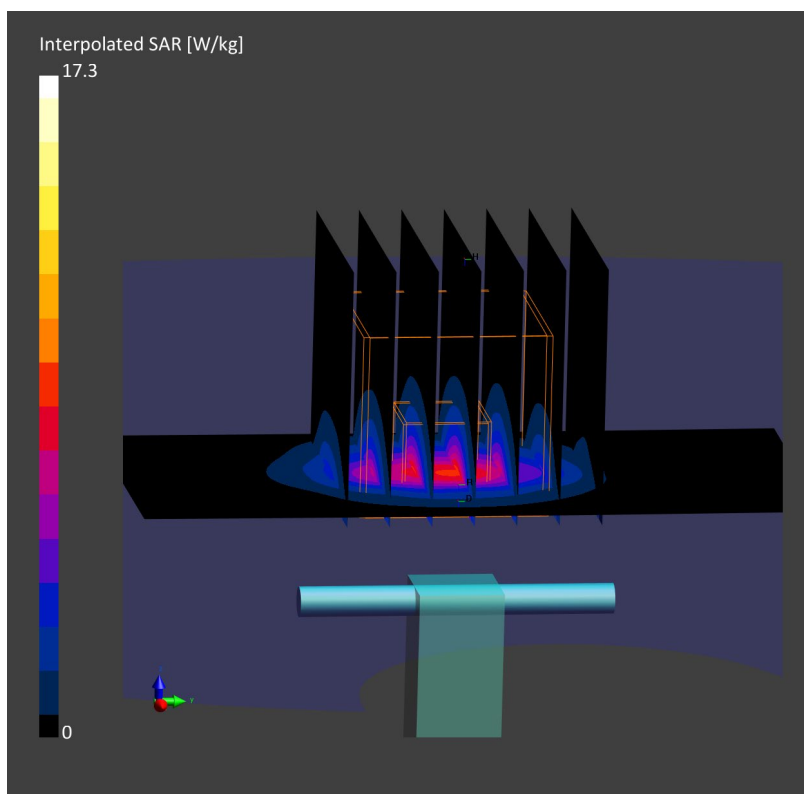
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 6.59 W/kg

Deviation (1 g) = 2.65%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2; Serial: 1059

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3500.0 MHz; cond = 3.35 S/m; perm = 49.6; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/21/2021; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.31,6.31,6.31); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3500.0 MHz System Verification at 20.0 dBm (100 mW)

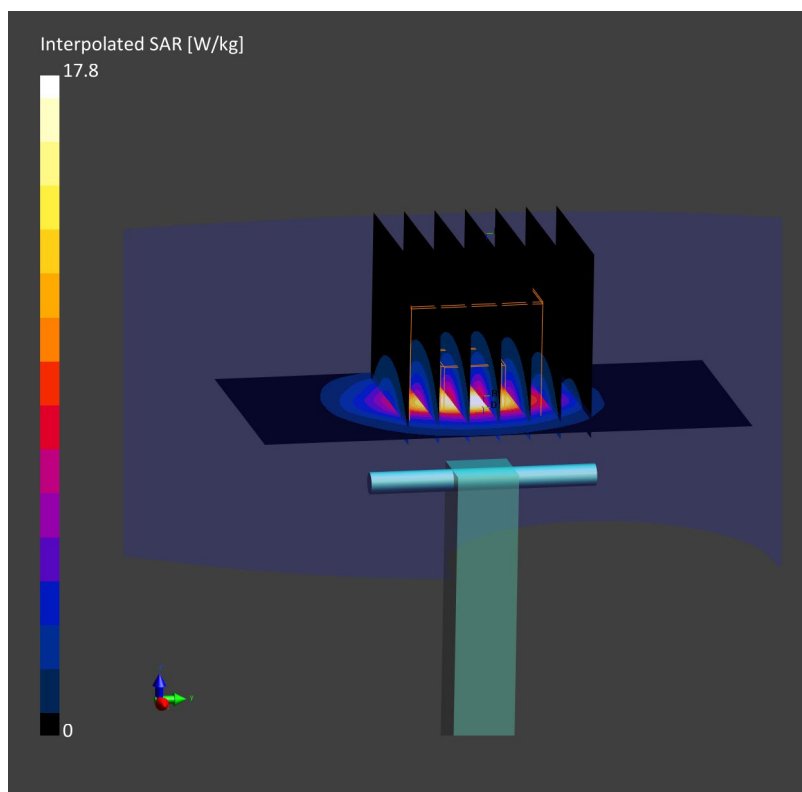
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0mm, dy=5.0mm, dz=1.4mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 6.81 W/kg

Deviation (1 g) = 8.10%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2; Serial: 1097

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3500.0$ MHz; $\text{cond} = 3.35$ S/m; $\text{perm} = 49.0$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/24/2021; Ambient Temp: 21.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7551; ConvF:(6.31,6.31,6.31); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3500.0 MHz System Verification at 20.0 dBm (100 mW)

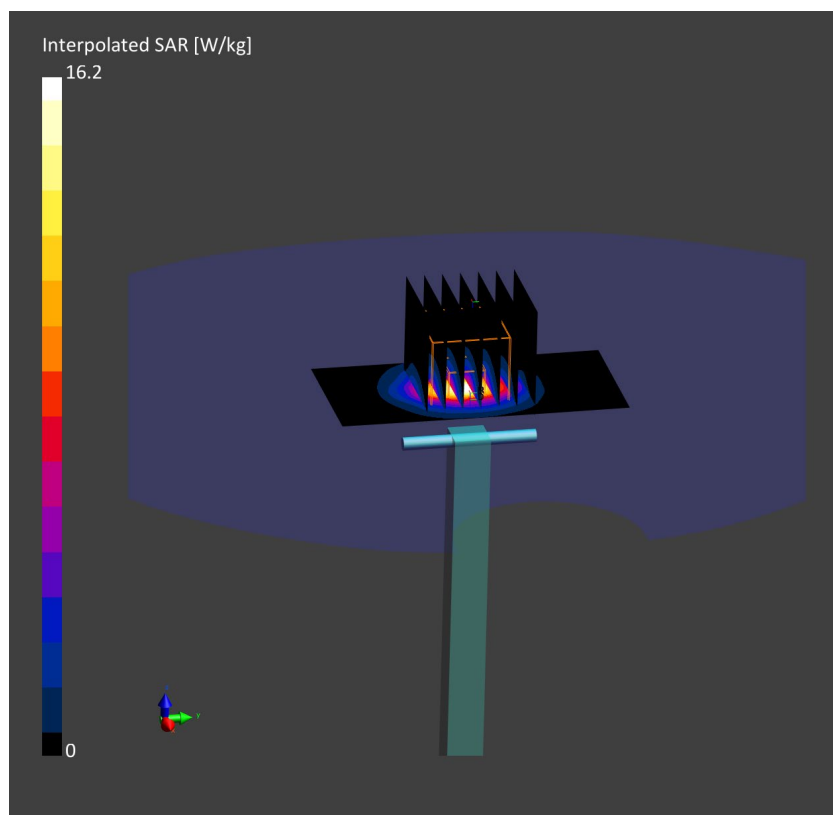
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 6.09 W/kg

Deviation (1 g) = -5.14%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2; Serial: 1097

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3500.0$ MHz; $\text{cond} = 3.26$ S/m; $\text{perm} = 50.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/28/2021; Ambient Temp: 22.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7539; ConvF:(6.5,6.5,6.5); 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

3500.0 MHz System Verification at 20.0 dBm (100 mW)

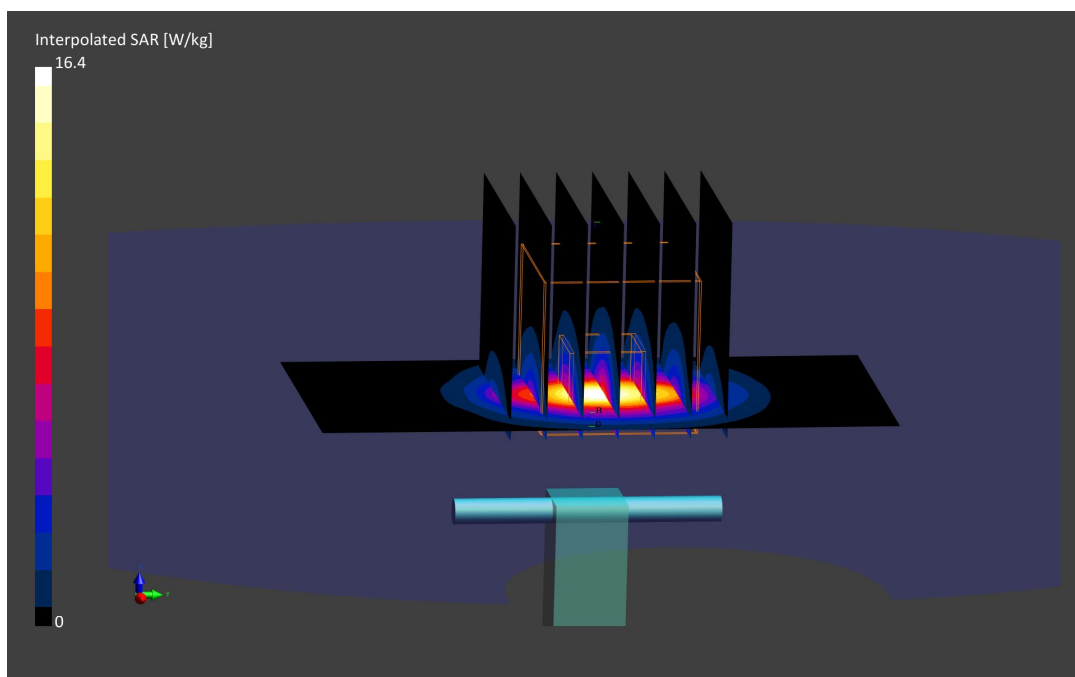
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 6.54 W/kg

Deviation (1 g) = 1.87%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2; Serial: 1097

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3500.0$ MHz; $\text{cond} = 3.35$ S/m; $\text{perm} = 49.6$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/31/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.31,6.31,6.31); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3500.0 MHz System Verification at 20.0 dBm (100 mW)

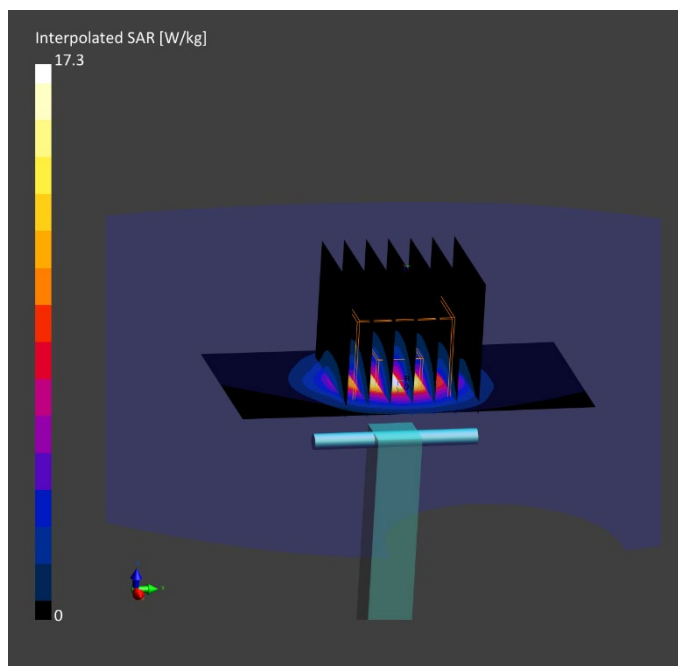
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.3 W/kg

SAR(10 g) = 2.45 W/kg

Deviation (10 g) = 2.94%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2; Serial: 1097

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3500.0$ MHz; $\text{cond} = 3.26$ S/m; $\text{perm} = 50.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 06/03/2021; Ambient Temp: 23.0°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7539; ConvF:(6.5,6.5,6.5); 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

3500.0 MHz System Verification at 20.0 dBm (100 mW)

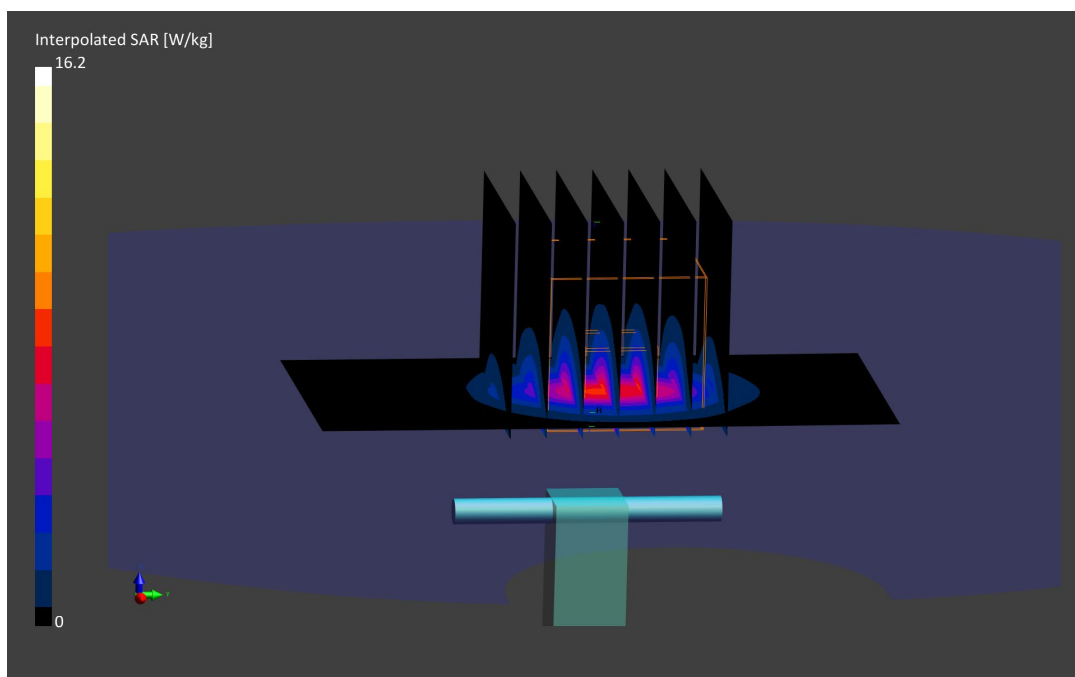
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 16.2 W/kg

SAR(10 g) = 2.42 W/kg

Deviation (10 g) = 1.68%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2; Serial: 1067

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3700.0 MHz; cond = 3.49 S/m; perm = 49.0; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/03/2021; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.41,6.41,6.41); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3700.0 MHz System Verification at 20.0 dBm (100 mW)

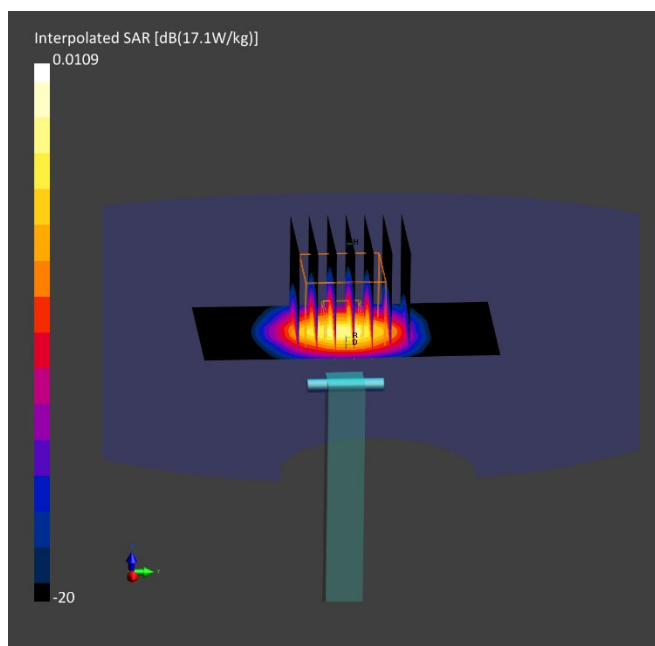
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0mm, dy=5.0mm, dz=1.4mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 6.53 W/kg

Deviation (1 g) = 0.15%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2; Serial: 1067

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3700.0$ MHz; $\text{cond} = 3.51$ S/m; $\text{perm} = 50.2$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/15/2021; Ambient Temp: 20.1°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7551; ConvF:(6.41,6.41,6.41); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3700.0 MHz System Verification at 20.0 dBm (100 mW)

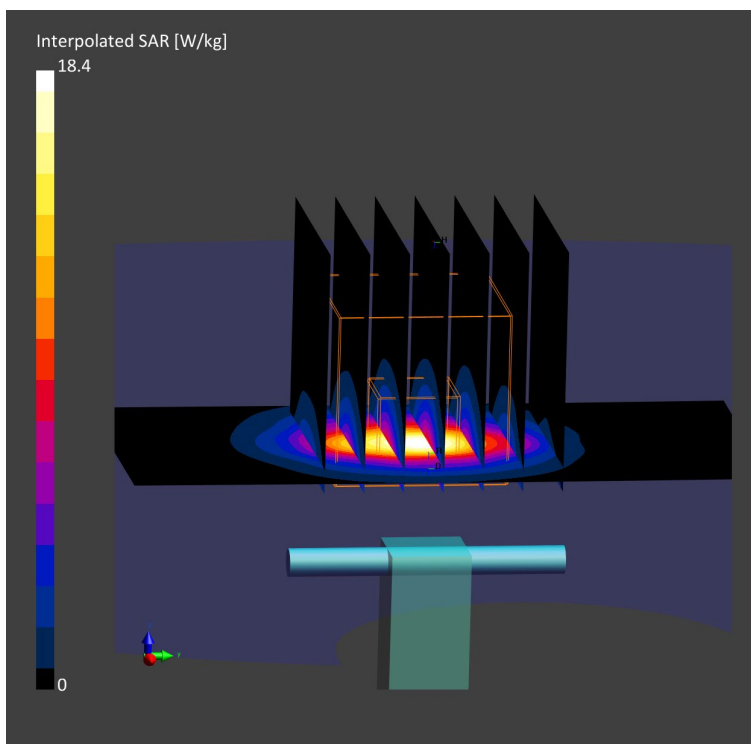
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 6.77 W/kg

Deviation (1 g) = 3.83%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2; Serial: 1018

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3700.0$ MHz; $\text{cond} = 3.56$ S/m; $\text{perm} = 49.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/21/2021; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.41,6.41,6.41); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3700.0 MHz System Verification at 20.0 dBm (100 mW)

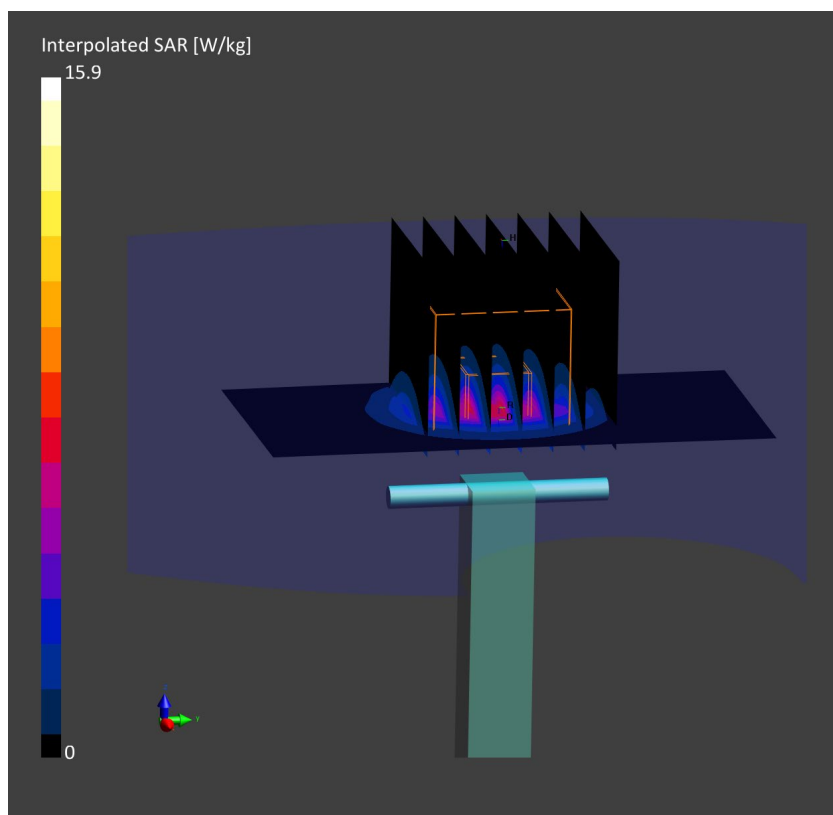
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 5.81 W/kg

Deviation (1 g) = -8.50%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2; Serial: 1067

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3700.0$ MHz; $\text{cond} = 3.55$ S/m; $\text{perm} = 48.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/24/2021; Ambient Temp: 21.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7551; ConvF:(6.41,6.41,6.41); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3700.0 MHz System Verification at 20.0 dBm (100 mW)

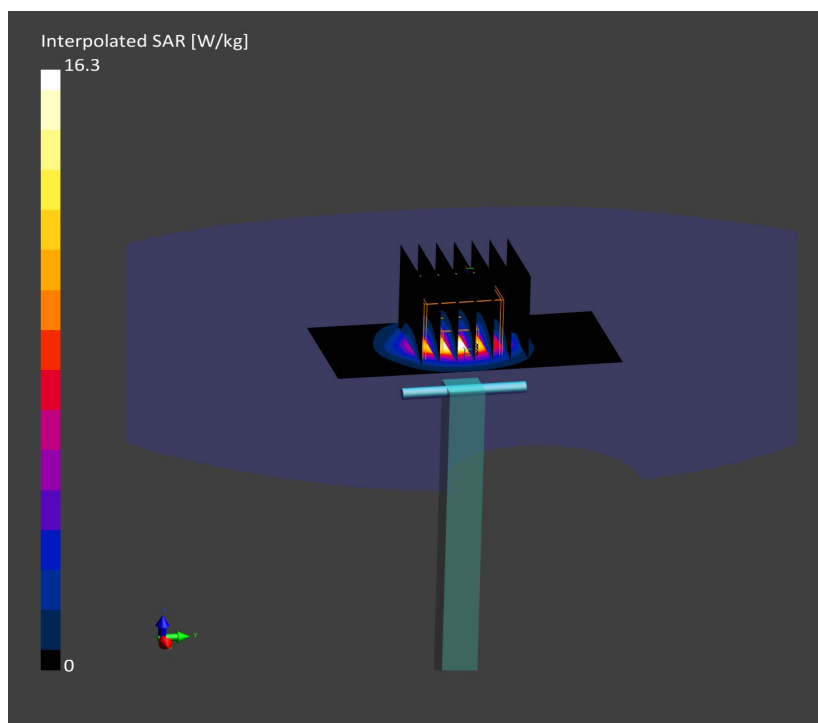
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 5.93 W/kg

Deviation (1 g) = -9.05%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2; Serial: 1067

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3700.0$ MHz; $\text{cond} = 3.49$ S/m; $\text{perm} = 50.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/28/2021; Ambient Temp: 22.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7539; ConvF:(6.48,6.48,6.48); 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

3700.0 MHz System Verification at 20.0 dBm (100 mW)

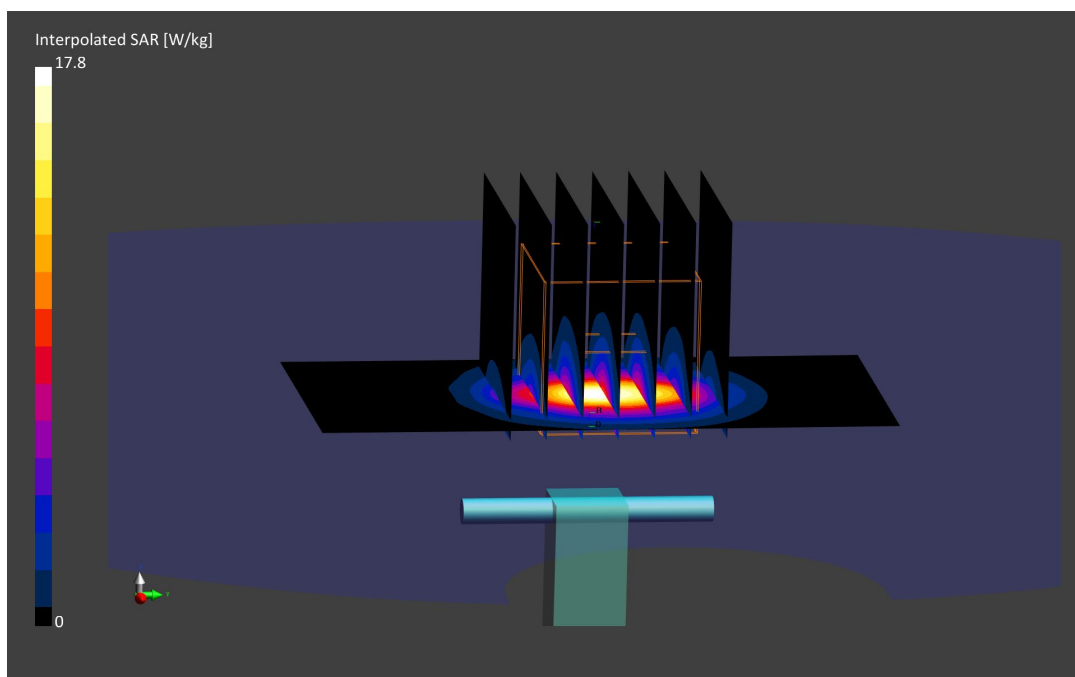
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 6.89 W/kg

Deviation (1 g) = 5.67%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2; Serial: 1067

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3700.0$ MHz; $\text{cond} = 3.54$ S/m; $\text{perm} = 49.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/31/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.41,6.41,6.41); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3700.0 MHz System Verification at 20.0 dBm (100 mW)

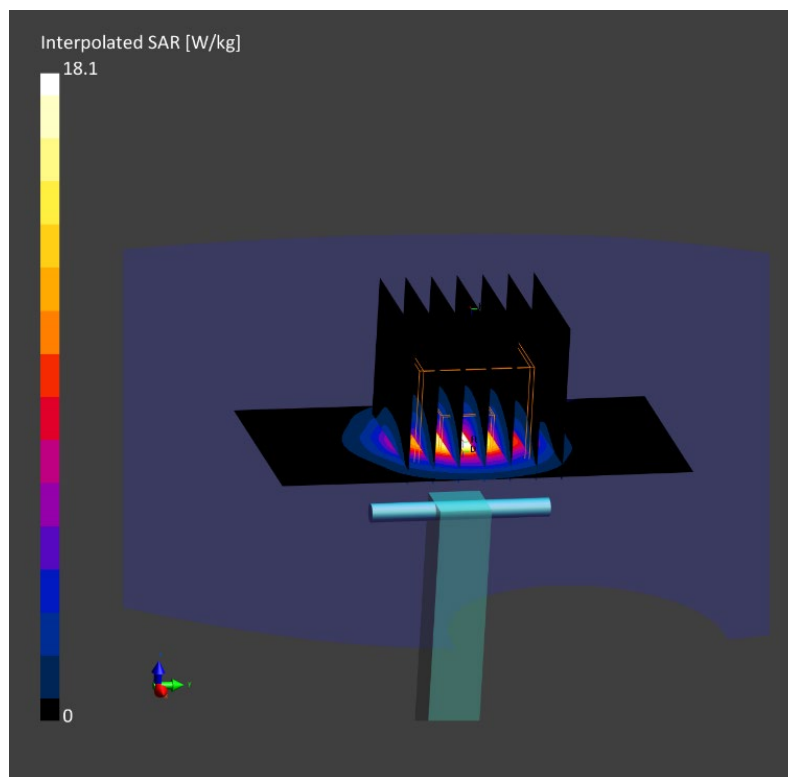
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 18.1 W/kg

SAR(10 g) = 2.36 W/kg

Deviation (10 g) = 1.29%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2; Serial: 1067

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3700.0$ MHz; $\text{cond} = 3.50$ S/m; $\text{perm} = 50.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 06/03/2021; Ambient Temp: 23.0°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7539; ConvF:(6.48,6.48,6.48); 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

3700.0 MHz System Verification at 20.0 dBm (100 mW)

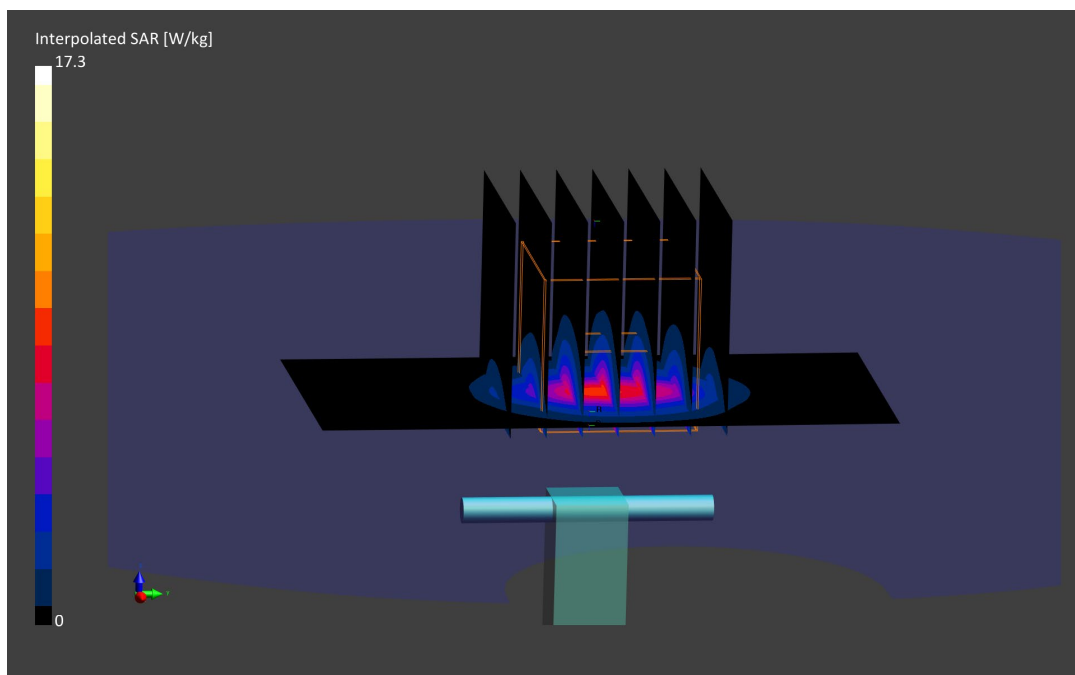
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 6.67 W/kg; SAR(10 g) = 2.44 W/kg

Deviation (1 g) = 2.30 %; Deviation (10 g) = 4.72%



PCTEST

DUT: Dipole 3900.0 MHz; Type: D3900V2; Serial: 1056

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3900.0$ MHz; $\text{cond} = 3.74$ S/m; $\text{perm} = 48.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/03/2021; Ambient Temp: 20.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7551; ConvF:(5.95,5.95,5.95); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3900.0 MHz System Verification at 20.0 dBm (100 mW)

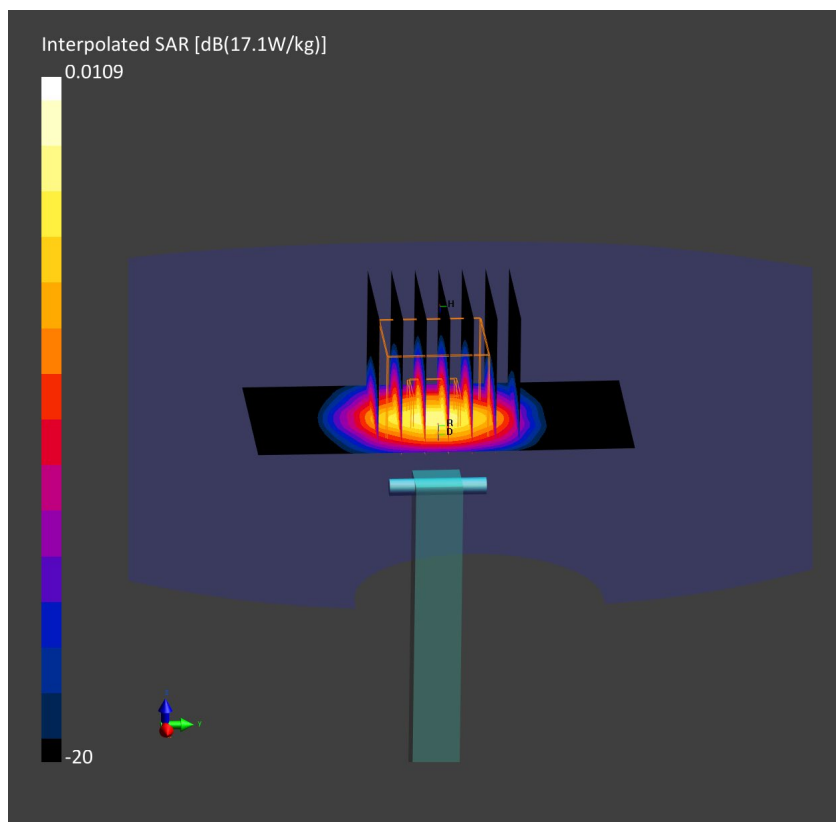
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 6.34 W/kg

Deviation (1 g) = -4.37%



PCTEST

DUT: Dipole 3900.0 MHz; Type: D3900V2; Serial: 1056

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3900.0$ MHz; $\text{cond} = 3.72$ S/m; $\text{perm} = 49.9$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/15/2021; Ambient Temp: 20.1°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7551; ConvF:(5.95,5.95,5.95); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3900.0 MHz System Verification at 20.0 dBm (100 mW)

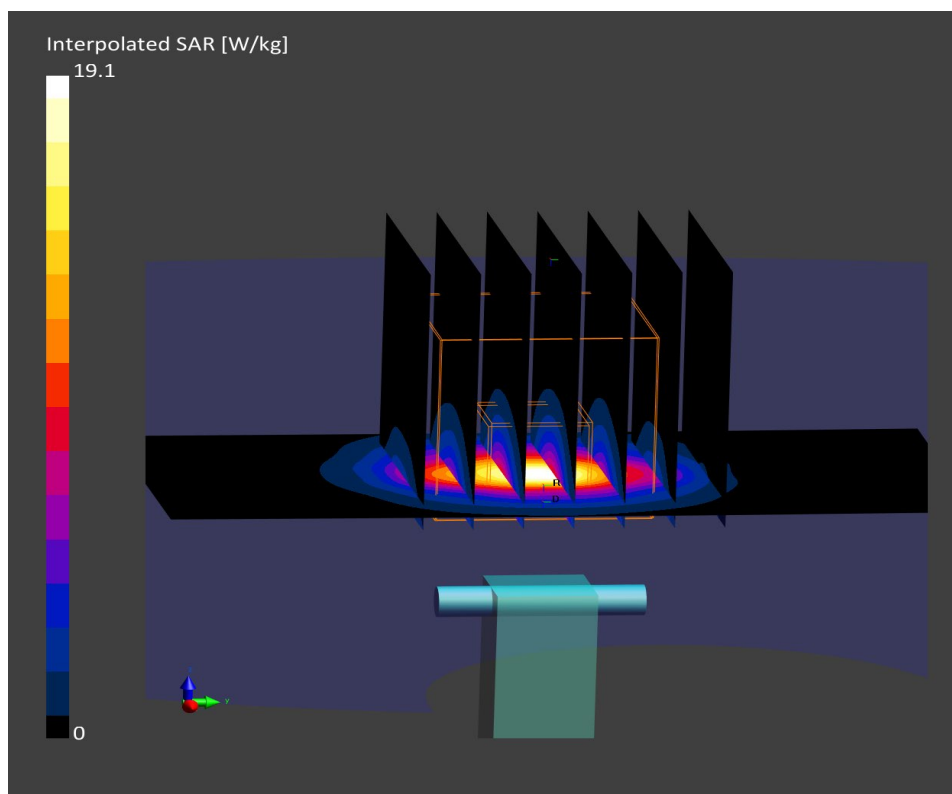
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 19.1 W/kg

SAR(1 g) = 6.74 W/kg

Deviation (1 g) = 1.66%



PCTEST

DUT: Dipole 3900.0 MHz; Type: D3900V2; Serial: 1056

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3900.0 MHz; cond = 3.76 S/m; perm = 49.1; density = 1000 kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/21/2021; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7551; ConvF:(5.95,5.95,5.95); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3900.0 MHz System Verification at 20.0 dBm (100 mW)

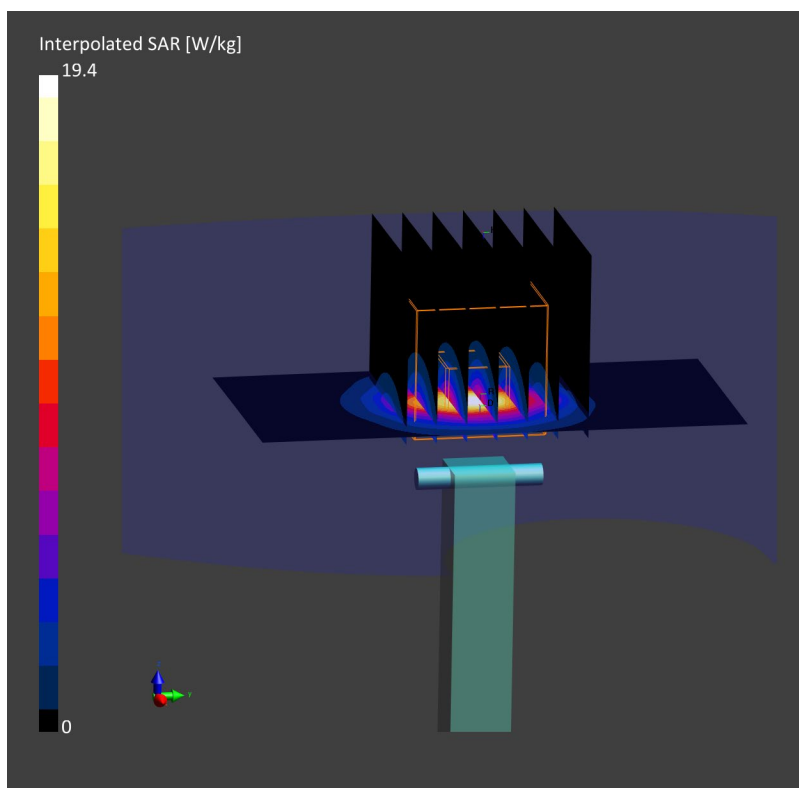
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0mm, dy=5.0mm, dz=1.4mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 19.4 W/kg

SAR(1 g) = 6.90 W/kg

Deviation (1 g) = 4.07%



PCTEST

DUT: Dipole 3900.0 MHz; Type: D3900V2; Serial: 1056

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3900.0$ MHz; $\text{cond} = 3.77$ S/m; $\text{perm} = 48.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/24/2021; Ambient Temp: 21.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7551; ConvF:(5.95,5.95,5.95); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3900.0 MHz System Verification at 20.0 dBm (100 mW)

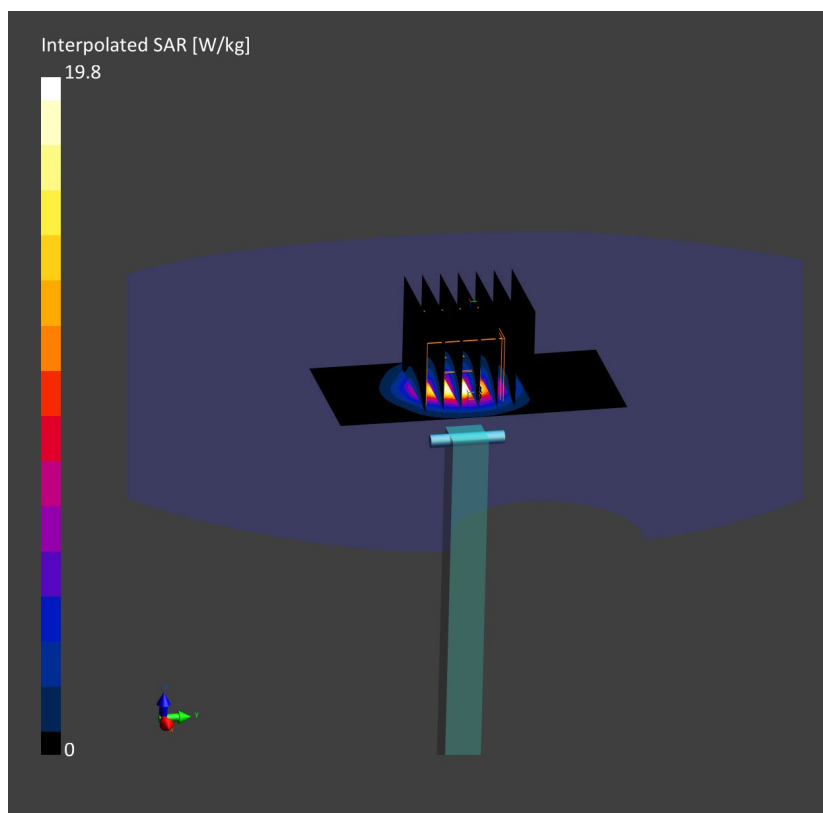
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 19.8 W/kg

SAR(1 g) = 6.90 W/kg

Deviation (1 g) = 4.07%



PCTEST

DUT: Dipole 3900.0 MHz; Type: D3900V2; Serial: 1056

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3900.0$ MHz; $\text{cond} = 3.75$ S/m; $\text{perm} = 50.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/28/2021; Ambient Temp: 22.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7539; ConvF:(6.18,6.18,6.18); 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

3900.0 MHz System Verification at 20.0 dBm (100 mW)

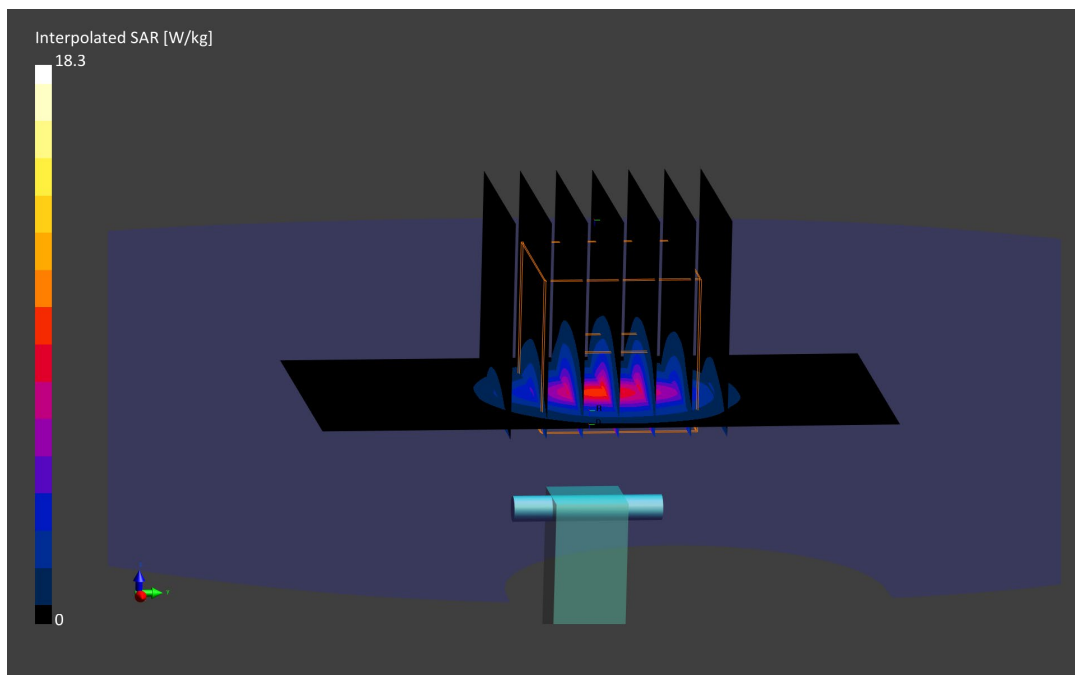
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 6.80 W/kg

Deviation (1 g) = 2.56%



PCTEST

DUT: Dipole 3900.0 MHz; Type: D3900V2; Serial: 1056

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3900.0$ MHz; $\text{cond} = 3.74$ S/m; $\text{perm} = 49.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/31/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7551; ConvF:(5.95,5.95,5.95); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0 Right Back; Serial: 1692
Measurement SW: cDASY6 Module SAR V6.14.0.959

3900.0 MHz System Verification at 20.0 dBm (100 mW)

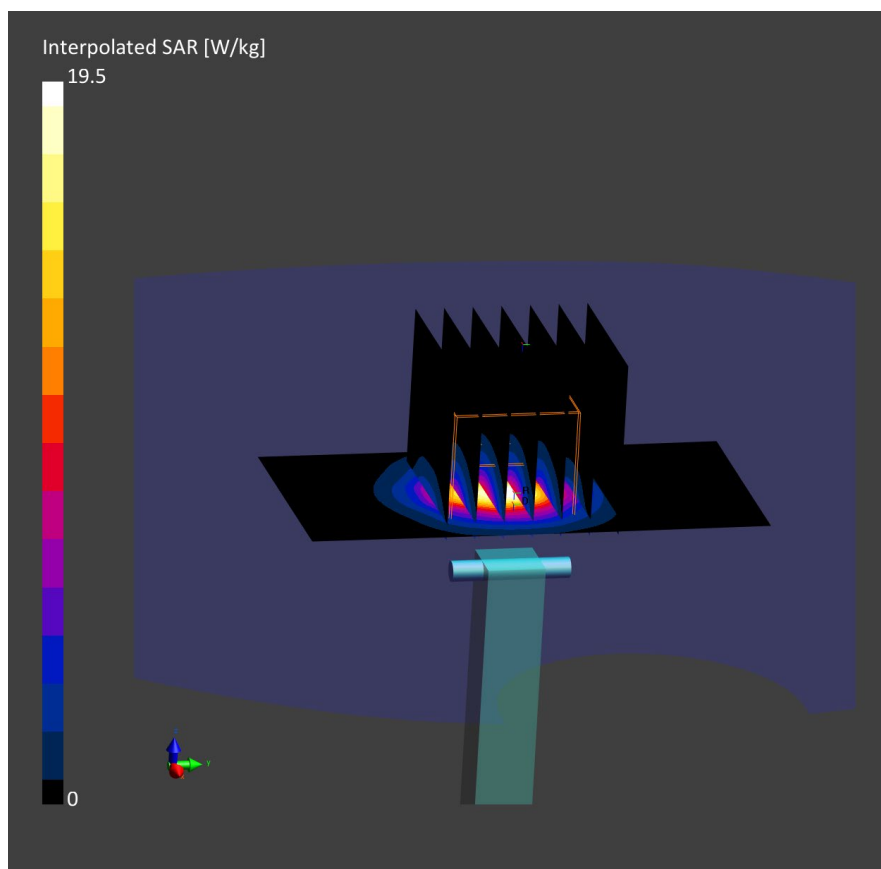
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 19.5 W/kg

SAR(10 g) = 2.39 W/kg

Deviation (10 g) = 3.91%



PCTEST

DUT: Dipole 3900.0 MHz; Type: D3900V2; Serial: 1056

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Body; Medium parameters used:
 $f = 3900.0$ MHz; $\text{cond} = 3.77$ S/m; $\text{perm} = 50.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 06/03/2021; Ambient Temp: 23.0°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7539; ConvF:(6.18,6.18,6.18); 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

3900.0 MHz System Verification at 20.0 dBm (100 mW)

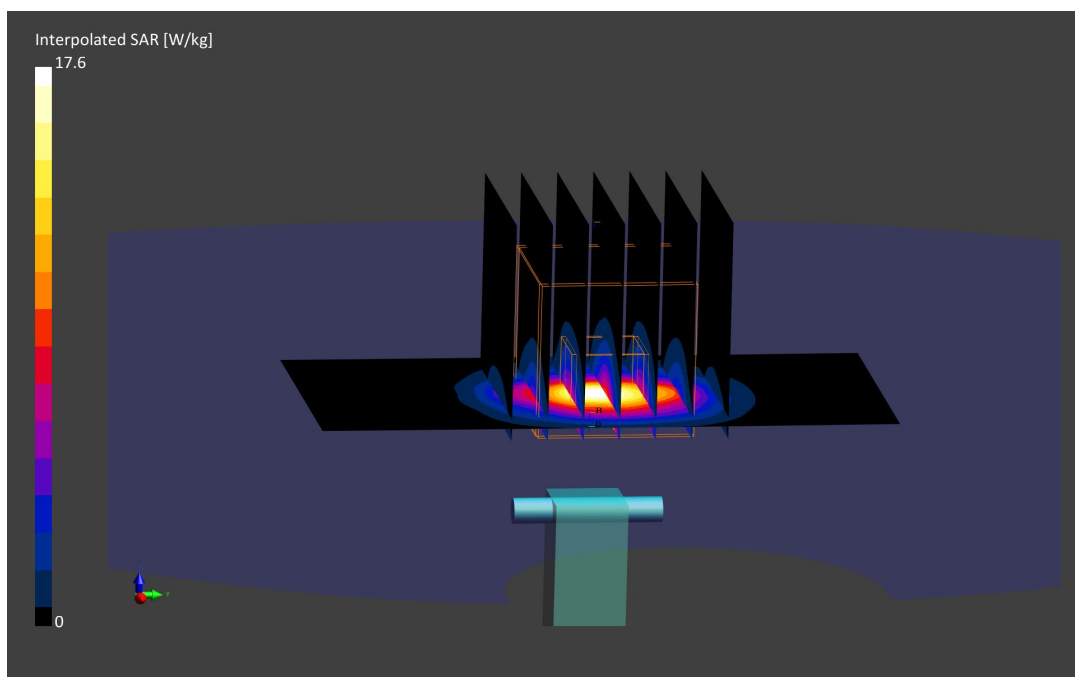
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.6 W/kg

SAR(10 g) = 2.34 W/kg

Deviation (10 g) = 1.74%



PCTEST

DUT: Dipole 5250.0 MHz; Type: D5GHzV2; Serial: 1191

Communication System: UID: 0, CW; Frequency: 5250.0 MHz

Medium: 5200-5800 Body; Medium parameters used:

f = 5250.0 MHz; cond = 5.29 S/m; perm = 48.4; density = 1000 kg/m³

Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/18/2021; Ambient Temp: 20.9°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7526; ConvF:(4.55,4.55,4.55); 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

5250.0 MHz System Verification at 17.0 dBm (50 mW)

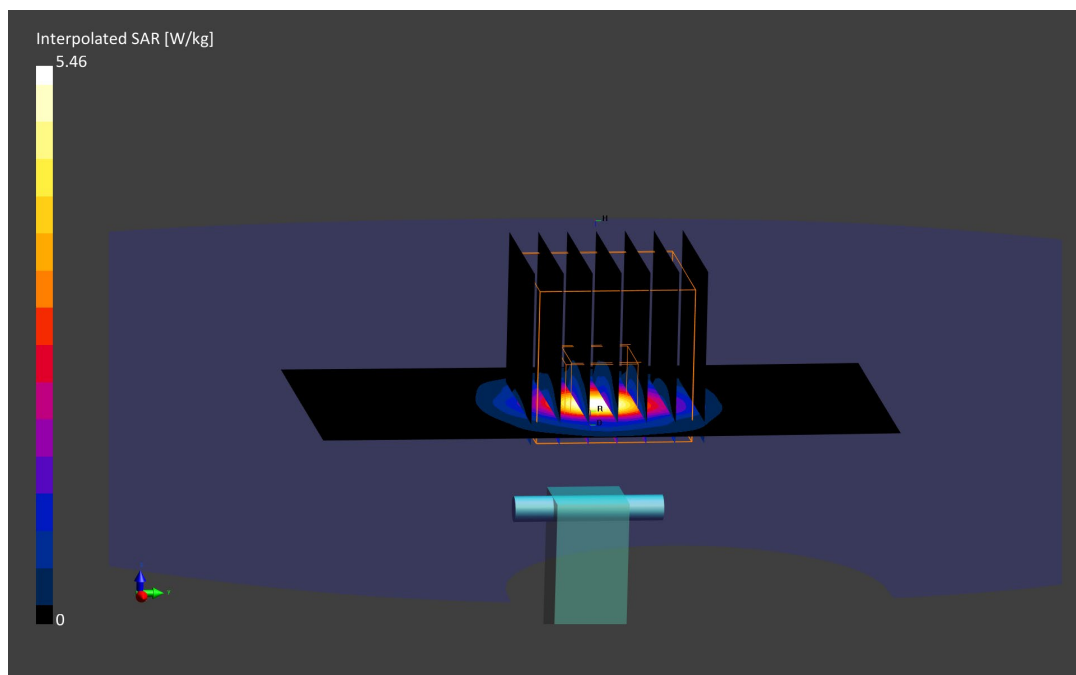
Area Scan (40.0 x 80.0): Measurement grid: dx=5.0mm, dy=10.0mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0mm, dy=4.0mm, dz=1.4mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 14.5 W/kg

SAR(1 g) = 3.54 W/kg; SAR(10 g) = 0.998 W/kg

Deviation (1 g) = -5.09%; Deviation (10 g) = -4.95%



PCTEST

DUT: Dipole 5600.0 MHz; Type: D5GHzV2; Serial: 1191

Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
 $f = 5600.0$ MHz; $\text{cond} = 5.79$ S/m; $\text{perm} = 47.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/18/2021; Ambient Temp: 20.9°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7526; ConvF:(4.12,4.12,4.12); 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

5600.0 MHz System Verification at 17.0 dBm (50 mW)

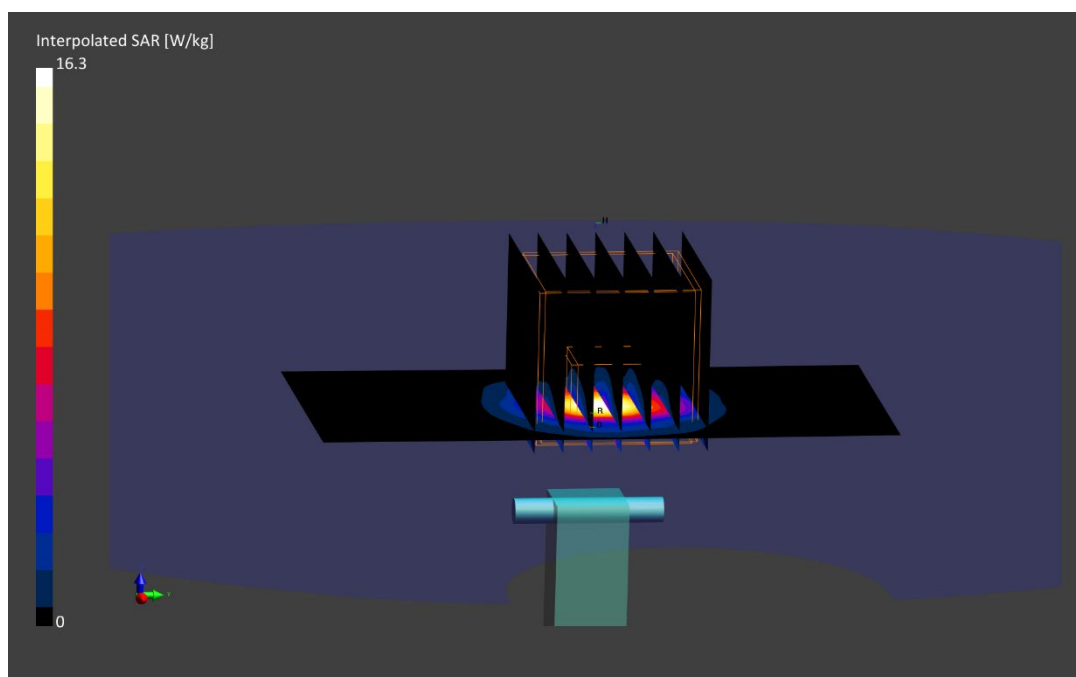
Area Scan (40.0 x 80.0): Measurement grid: $dx=5.0$ mm, $dy=10.0$ mm

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) = 16.3 W/kg

SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.02 W/kg

Deviation (1 g) = -6.02%; Deviation (10 g) = -5.99%



PCTEST

DUT: Dipole 5750.0 MHz; Type: D5GHzV2; Serial: 1191

Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
 $f = 5750.0$ MHz; $\text{cond} = 6.01$ S/m; $\text{perm} = 47.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 05/18/2021; Ambient Temp: 20.9°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7526; ConvF:(4.14,4.14,4.14); 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

5750.0 MHz System Verification at 17.0 dBm (50 mW)

Area Scan (40.0 x 80.0): Measurement grid: $dx=5.0$ 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) = 16.5 W/kg

SAR(1 g) = 3.59 W/kg; SAR(10 g) = 1.01 W/kg

Deviation (1 g) = -4.14%; Deviation (10 g) = -2.88%

