

APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

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

Communication System: UID: 0, CW; Frequency: 13.0 MHz
Medium: 30 Head; Medium parameters used:
f = 13.0 MHz; cond = 0.745 S/m; perm = 53.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 0 mm

Test Date: 11/10/2022; Ambient Temp: 22.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7527; ConvF:(17.78,17.78,17.78); Calibrated: 2022-03-21

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

Electronics: DAE4 Sn1272; Calibrated: 2022-03-16

Phantom: ELI V8.0; Serial: 2077

Measurement SW: DASY Module SAR V16.2.0.1425

13.0 MHz System Verification at 30.0 dBm (1.00 W)

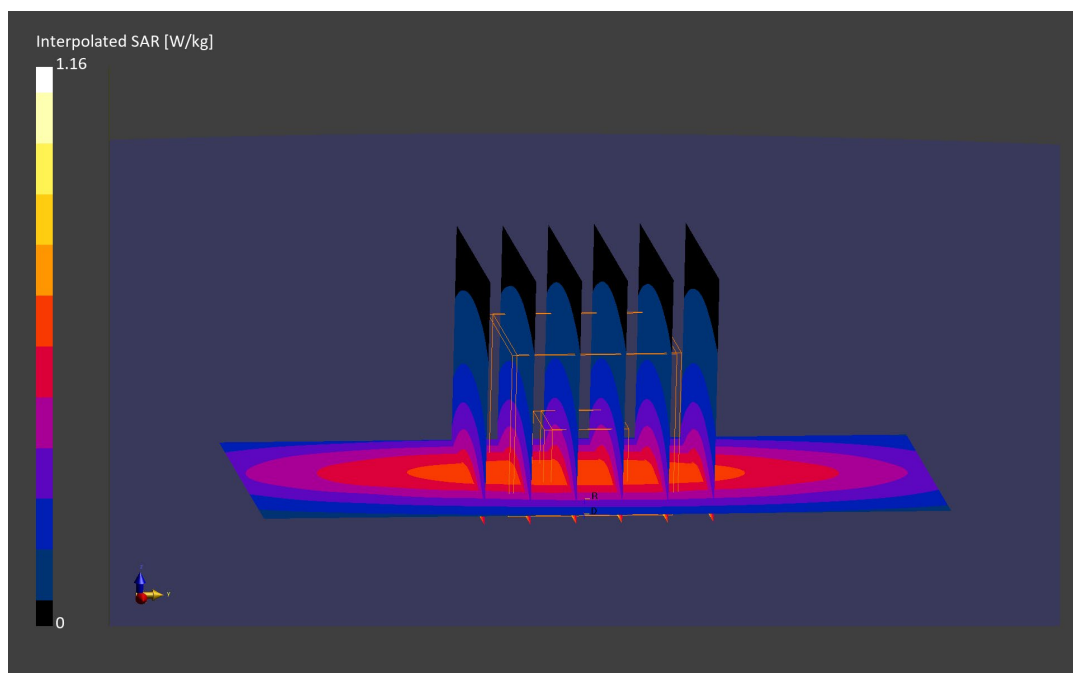
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.587 W/kg; SAR(10 g) = 0.365 W/kg

Deviation (1 g) = 5.39%; Deviation (10 g) = 5.49%



ELEMENT

DUT: Dipole 750 MHz; Type: D750V3; Serial: SN1003

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.923 \text{ S/m}$; $\epsilon_r = 40.494$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/28/2022; Ambient Temp: 22.5°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7402; ConvF(10.57, 10.57, 10.57) @ 750 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596

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

750 MHz System Verification at 23.0 dBm (200 mW)

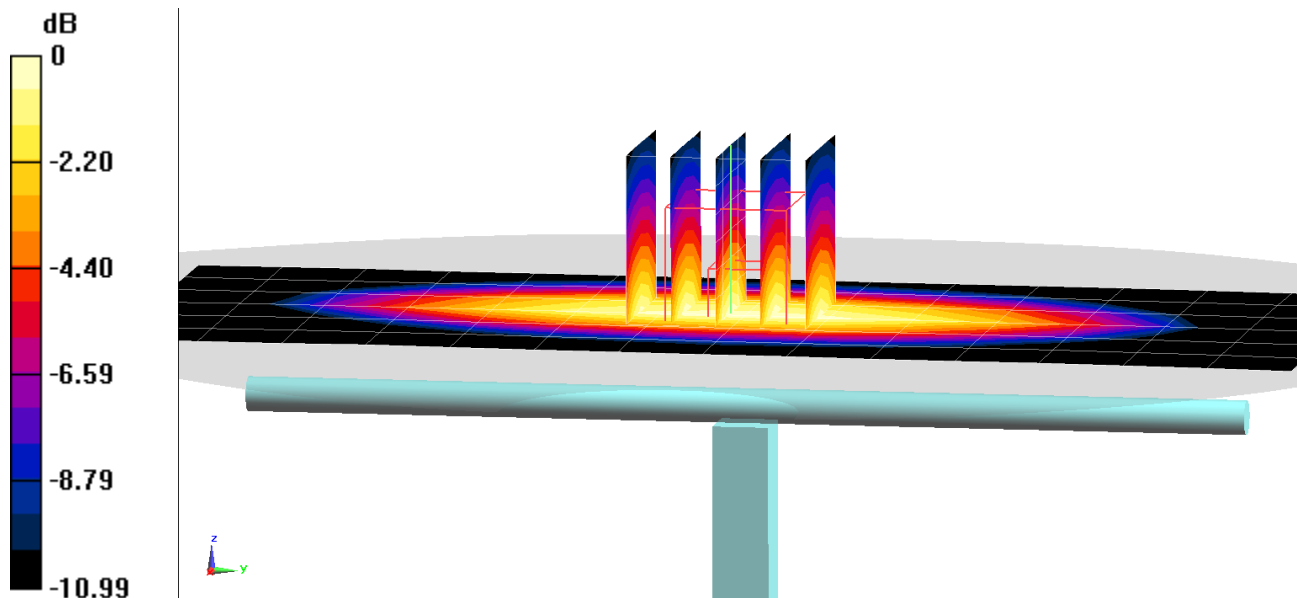
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 1.66 W/kg; SAR(10 g) = 1.08 W/kg

Deviation(1 g) = -3.38%; Deviation(10 g) = -4.59%



0 dB = 2.22 W/kg = 3.46 dBW/kg

ELEMENT

DUT: Dipole 750 MHz; Type: D750V3; Serial: SN1003

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.923 \text{ S/m}$; $\epsilon_r = 40.494$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 10/03/2022; Ambient Temp: 20.3°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7402; ConvF(10.57, 10.57, 10.57) @ 750 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V4.0 (30); Type: QD 000 P40 CC; Serial: 1596

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

750 MHz System Verification at 23.0 dBm (200 mW)

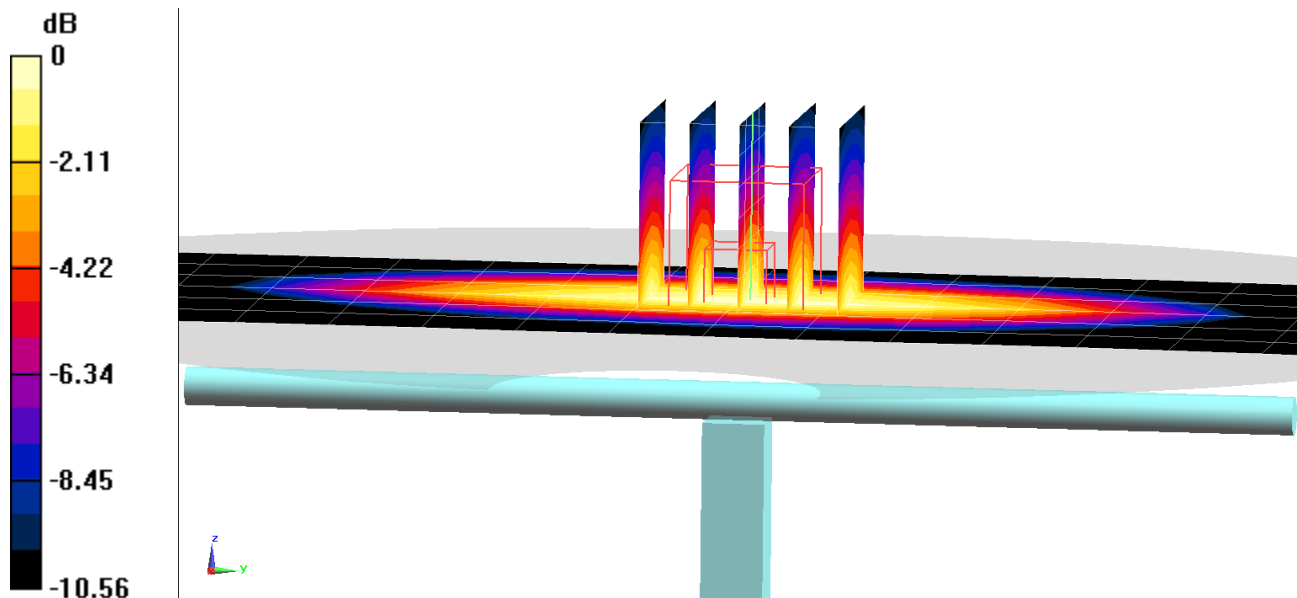
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.54 W/kg

SAR(1 g) = 1.68 W/kg; SAR(10 g) = 1.10 W/kg

Deviation(1 g) = -2.21%; Deviation(10 g) = -2.83%



0 dB = 2.25 W/kg = 3.52 dBW/kg

ELEMENT

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

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.871 \text{ S/m}$; $\epsilon_r = 42.75$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 10/17/2022; Ambient Temp: 20.3°C; Tissue Temp: 19.3°C

Probe: EX3DV4 - SN7637; ConvF(10.45, 10.45, 10.45) @ 750 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/14/2022

Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937

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

750 MHz System Verification at 23.0 dBm (200 mW)

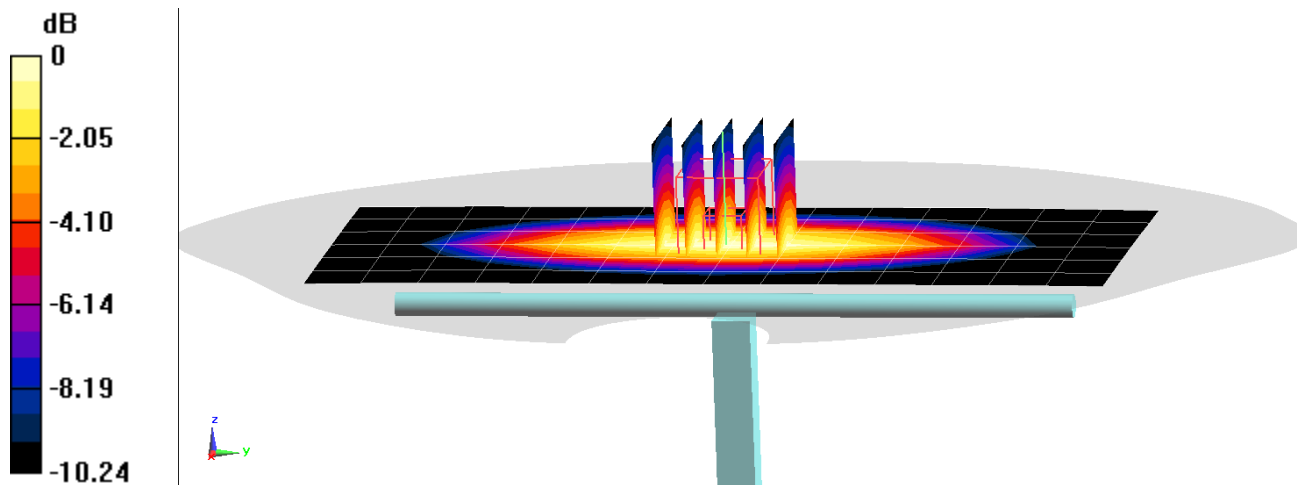
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.55 W/kg

SAR(1 g) = 1.71 W/kg; SAR(10 g) = 1.14 W/kg

Deviation(1 g) = -0.47%; Deviation(10 g) = 0.71%



0 dB = 2.28 W/kg = 3.58 dBW/kg

ELEMENT

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

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.873 \text{ S/m}$; $\epsilon_r = 41.378$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 10/20/2022; Ambient Temp: 20.2°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7637; ConvF(10.45, 10.45, 10.45) @ 750 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/14/2022

Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937

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

750 MHz System Verification at 23.0 dBm (200 mW)

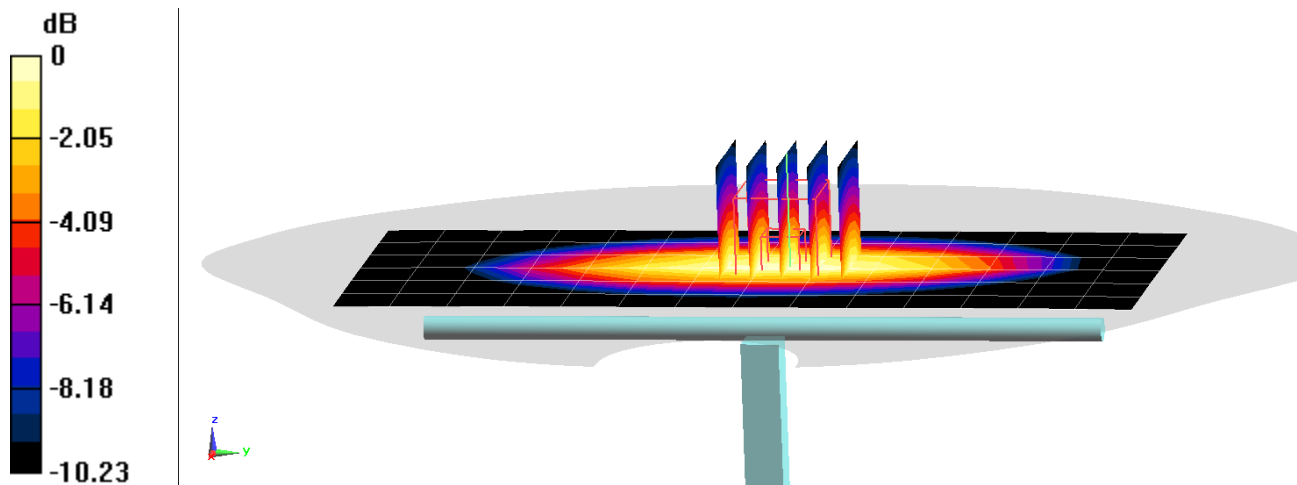
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.39 W/kg

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

Deviation(1 g) = -5.70%; Deviation(10 g) = -4.59%



0 dB = 2.12 W/kg = 3.26 dBW/kg

ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1054

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

Medium: 750 Head; Medium parameters used:

f = 750.0 MHz; cond = 0.906 S/m; perm = 41.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 10/27/2022; Ambient Temp: 22.2°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7527; ConvF:(9.46,9.46,9.46); Calibrated: 2022-03-21

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

Electronics: DAE4 Sn1272; Calibrated: 2022-03-16

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

Measurement SW: DASY Module SAR V16.2.0.1425

750 MHz System Verification at 23 dBm (200 mW)

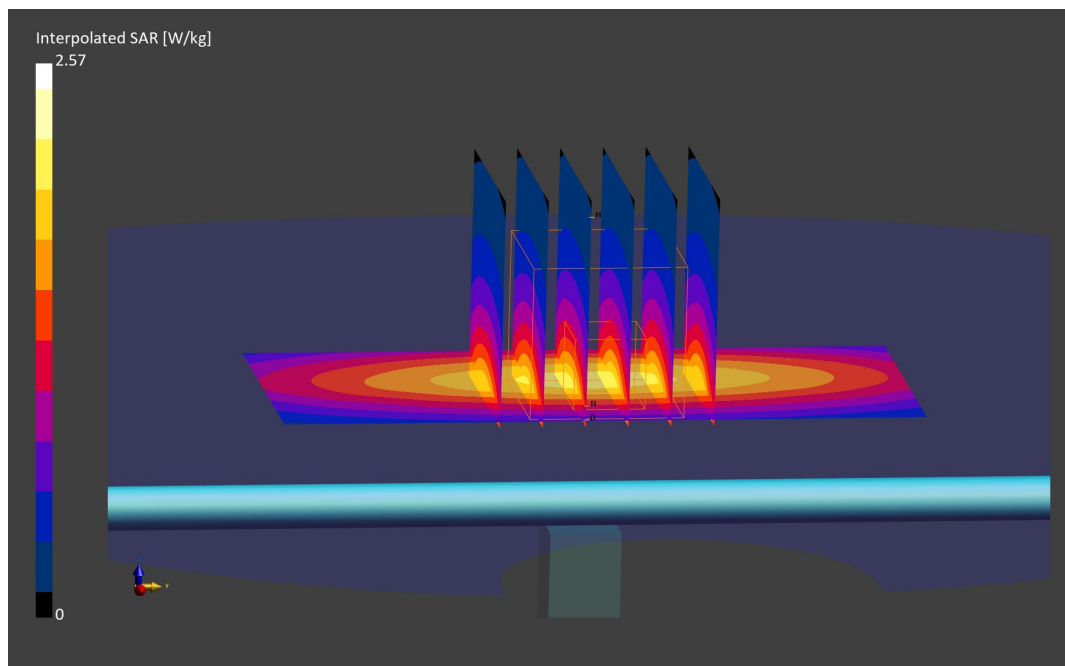
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 1.71 W/kg; SAR(10 g) = 1.12 W/kg

Deviation (1 g) = 0.35%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1054

Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.901 S/m; perm = 41.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 10/29/2022; Ambient Temp: 21.3°C; Tissue Temp: 20°C

Probe: EX3DV4 - SN7527; ConvF:(9.46,9.46,9.46); Calibrated: 2022-03-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2022-03-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

750 MHz System Verification at 23 dBm (200 mW)

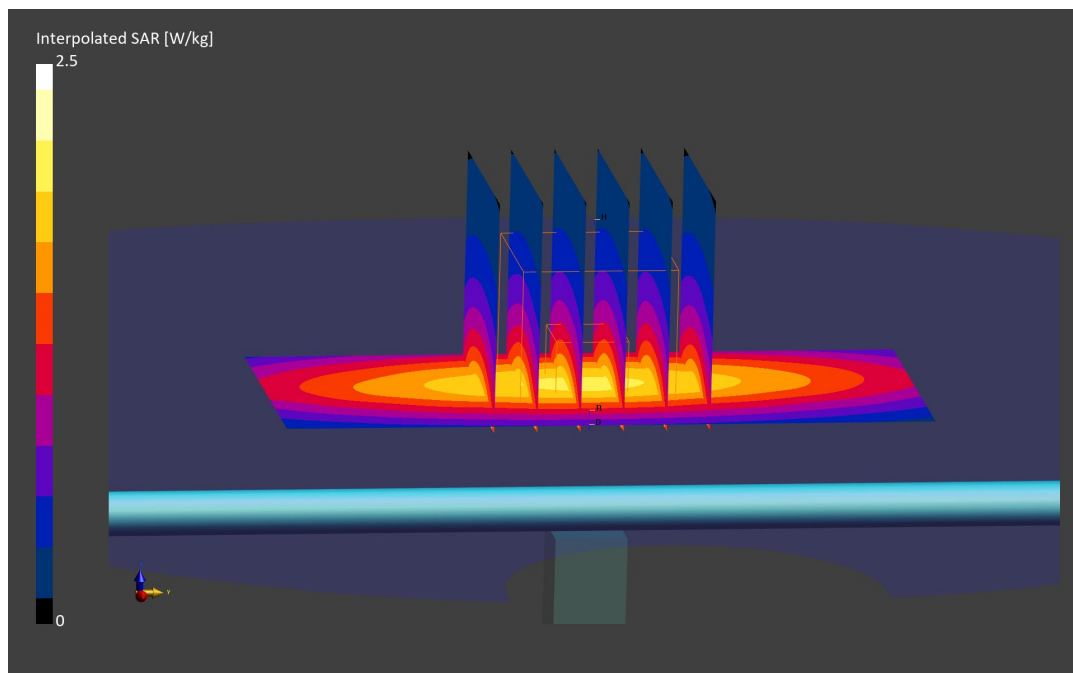
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 2.50 W/kg

SAR(1 g) = 1.67 W/kg; SAR(10 g) = 1.09 W/kg

Deviation (1 g) = -2%; Deviation (10 g) = -2.68%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d132

Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 750 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.926 S/m; perm = 41.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 09/18/2022; Ambient Temp: 23.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(9.58,9.58,9.58); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

835 MHz System Verification at 23 dBm (200 mW)

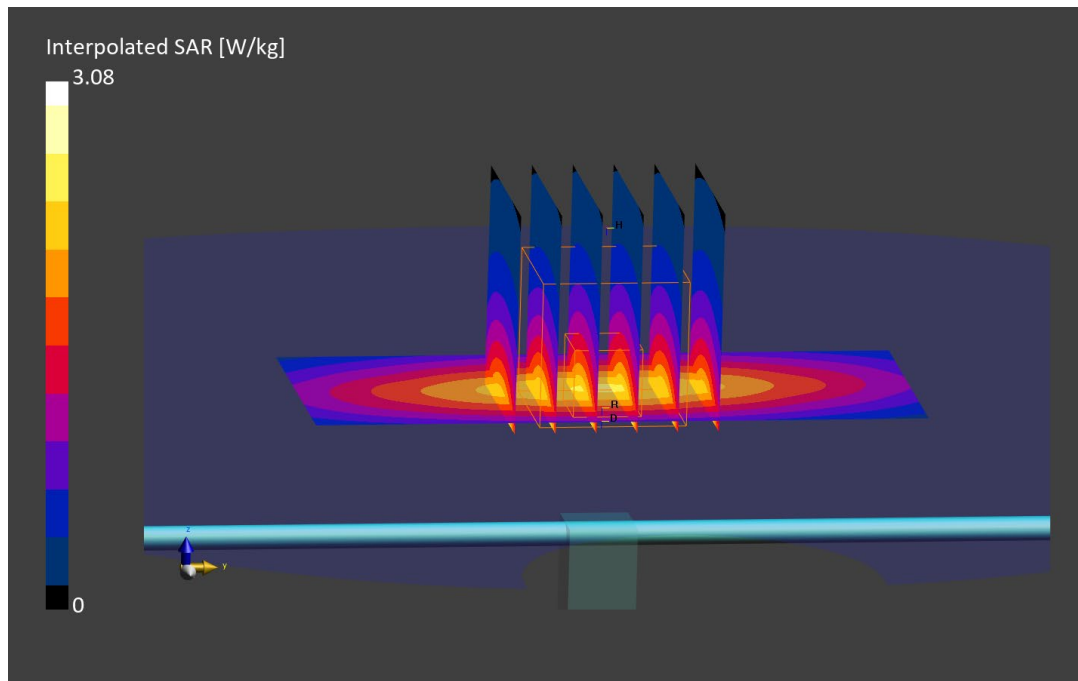
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 3.07 W/kg

SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.32 W/kg

Deviation (1 g) = 4.04%; Deviation (10 g) = 5.26%



ELEMENT

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

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

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.917 \text{ S/m}$; $\epsilon_r = 41.746$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/28/2022; Ambient Temp: 21.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7637; ConvF(10.32, 10.32, 10.32) @ 835 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/14/2022

Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937

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

835 MHz System Verification at 23.0 dBm (200 mW)

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

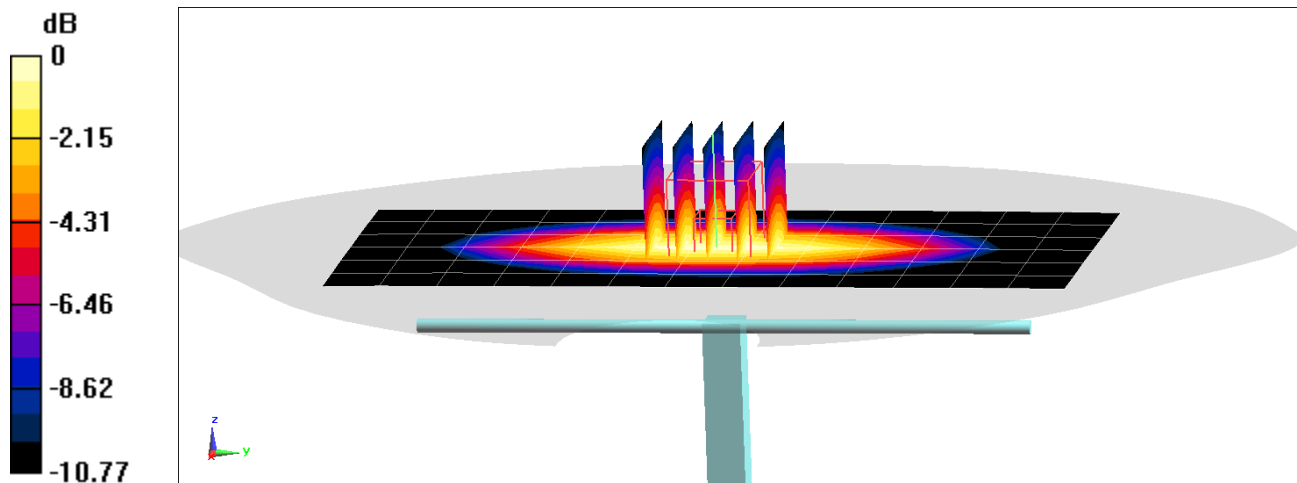
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 47.51 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.91 W/kg

SAR(1 g) = 1.93 W/kg; SAR(10 g) = 1.26 W/kg

Deviation(1 g) = -0.10%; Deviation(10 g) = -0.63%



0 dB = 2.59 W/kg = 4.13 dBW/kg

ELEMENT

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

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

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 42.735$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 10/04/2022; Ambient Temp: 19.8°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7637; ConvF(10.32, 10.32, 10.32) @ 835 MHz; Calibrated: 3/22/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/14/2022

Phantom: Twin-SAM V8.0 (20); Type: QD 000 P41 Ax; Serial: 1937

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

835 MHz System Verification at 23.0 dBm (200 mW)

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

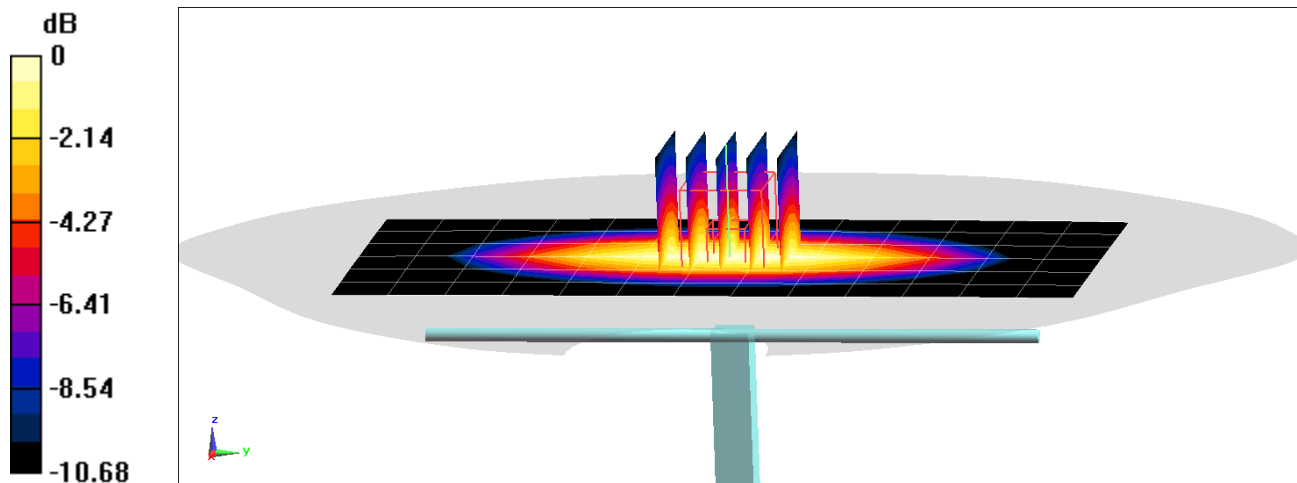
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 48.78 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.98 W/kg

SAR(1 g) = 2 W/kg; SAR(10 g) = 1.31 W/kg

Deviation(1 g) = 3.52%; Deviation(10 g) = 3.31%



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

ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1150

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

Medium: 1750 Head; Medium parameters used:

f = 1750.0 MHz; cond = 1.39 S/m; perm = 39.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 09/14/2022; Ambient Temp: 23.2°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7660; ConvF:(9.38,9.38,9.38); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn1678; Calibrated: 2022-05-10

Phantom: Twin-SAM V5.0; Serial: 1692rightback

Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

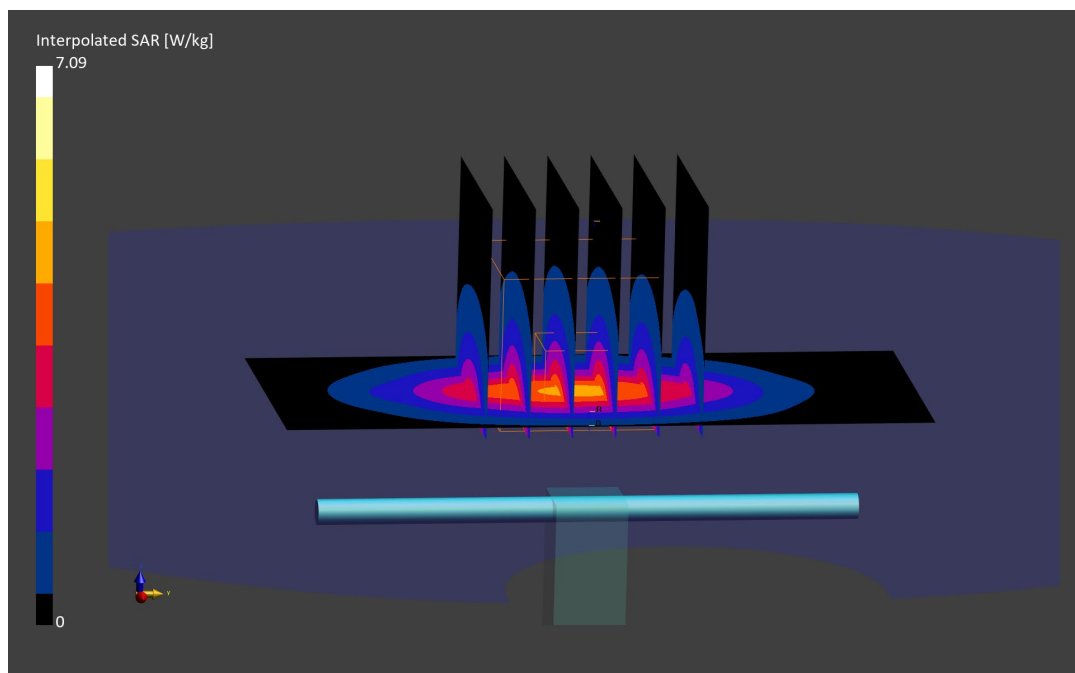
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.09 W/kg

SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.94 W/kg

Deviation (1 g) = 0.54%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1765V2 - SN1008

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

Medium: 1750 Head; Medium parameters used:

f = 1750.0 MHz; cond = 1.40 S/m; perm = 39.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/17/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7488; ConvF:(8.52,8.52,8.52); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn1415; Calibrated: 2022-02-23

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

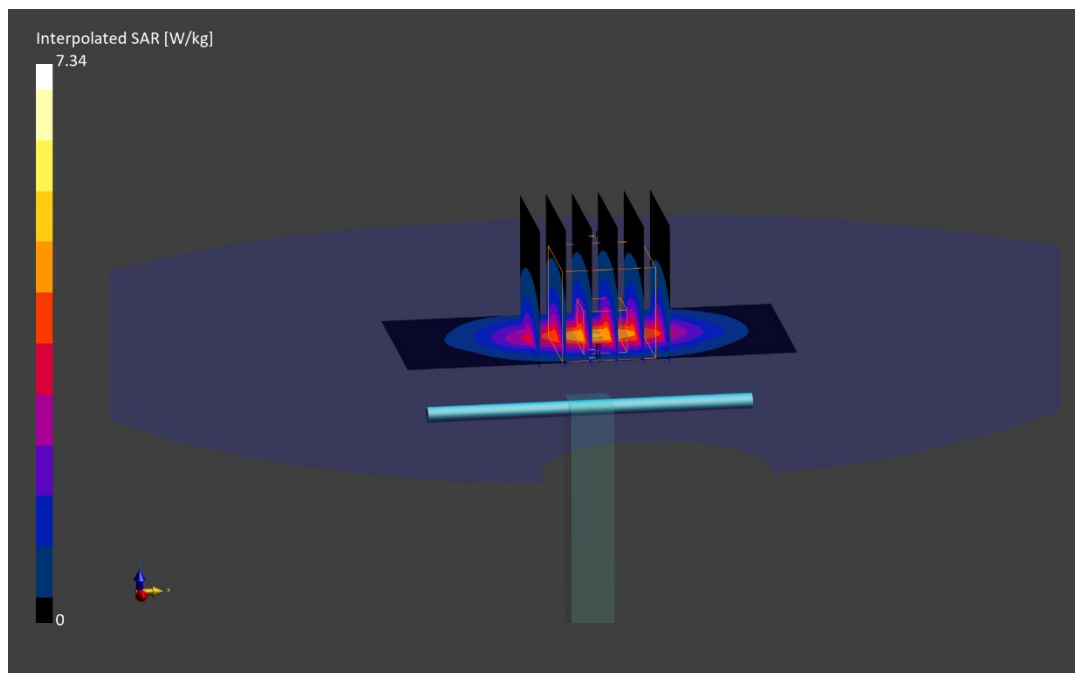
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.34 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.08 W/kg

Deviation (1 g) = 5.61%; Deviation (10 g) = 6.12%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1765V2 - SN1008

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

Medium: 1750 Head; Medium parameters used:

$f = 1750.0$ MHz; $\text{cond} = 1.34$ S/m; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 11/02/2022; Ambient Temp: 20.8°C; Tissue Temp: 21°C

Probe: EX3DV4 - SN7488; ConvF:(8.52,8.52,8.52); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn1415; Calibrated: 2022-02-23

Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2065

Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

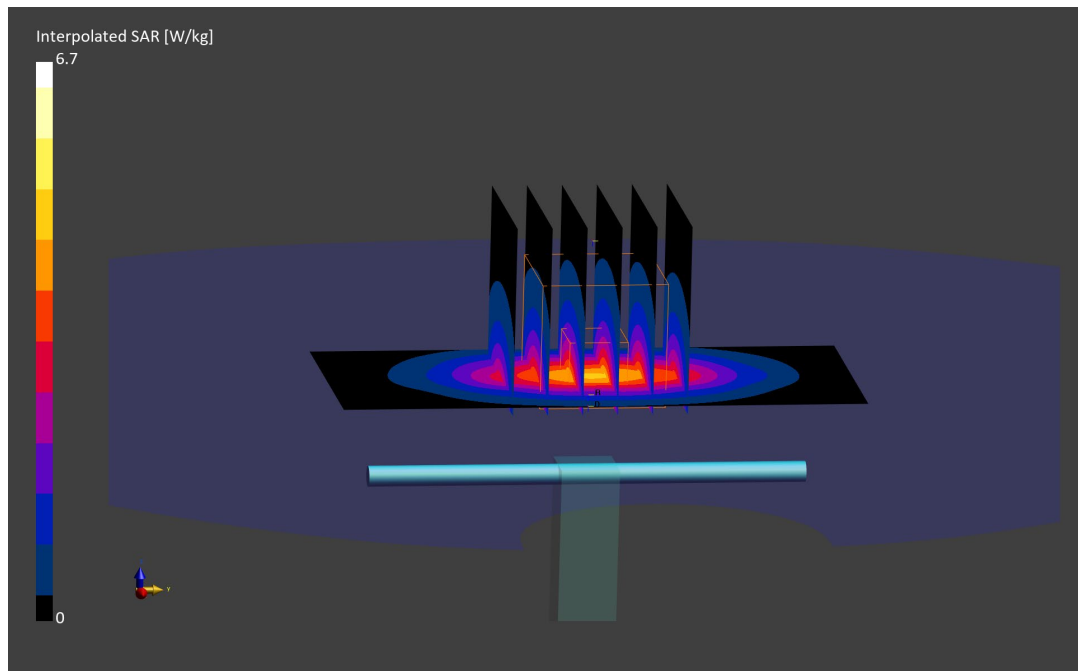
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 6.69 W/kg

SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.95 W/kg

Deviation (1 g) = -2.14 %; Deviation (10 g) = -0.51%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d148

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
 Medium: 1900 Head; Medium parameters used:
 $f = 1900.0$ MHz; $\text{cond} = 1.43$ S/m; $\text{perm} = 40.1$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 09/19/2022; Ambient Temp: 21.0.°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7488; ConvF:(8.37,8.37,8.37); Calibrated: 2022-02-21
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1415; Calibrated: 2022-02-23
 Phantom: Twin-SAM V8.0; Serial: 2065
 Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

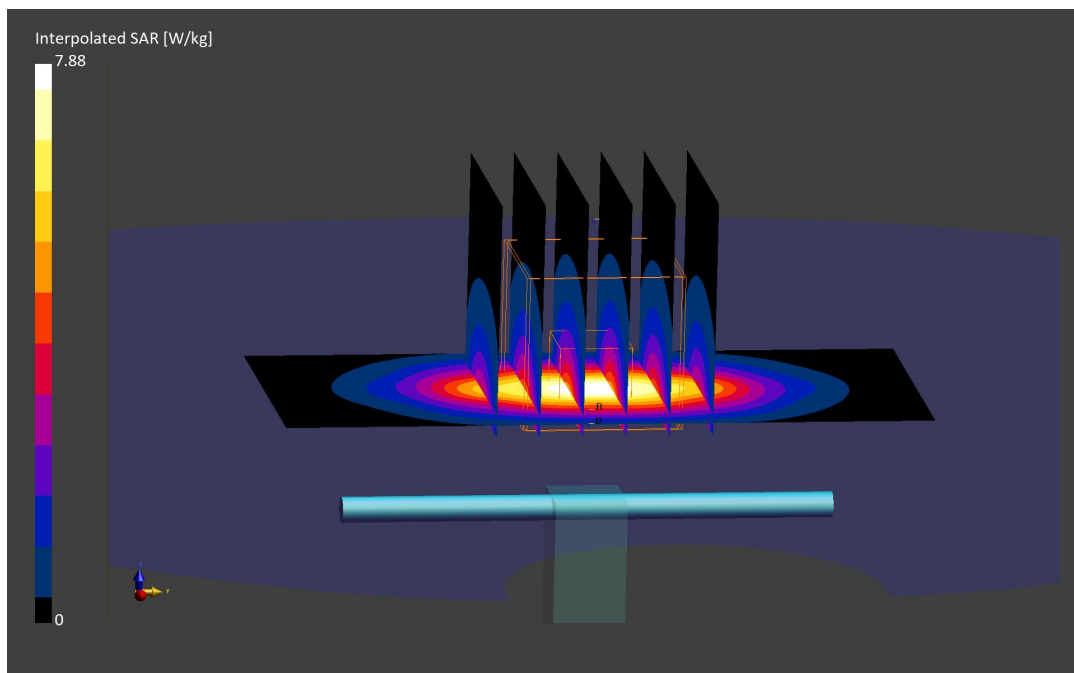
Area Scan (40.0 x 90.0): Measurement grid: $\text{dx}=10.0$ mm, $\text{dy}=15.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $\text{dx}=6.0$ mm, $\text{dy}=6.0$ mm, $\text{dz}=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 7.88 W/kg

SAR(1 g) = 4.12 W/kg; SAR(10 g) = 2.13 W/kg

Deviation (1 g) = 2.74%; Deviation (10 g) = 1.43%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d148

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

Medium: 1900 Head; Medium parameters used:

f = 1900.0 MHz; cond = 1.41 S/m; perm = 39.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 09/30/2022; Ambient Temp: 24.2°C; Tissue Temp: 24.3°C

Probe: EX3DV4 - SN7488; ConvF:(8.37,8.37,8.37); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn1415; Calibrated: 2022-02-23

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

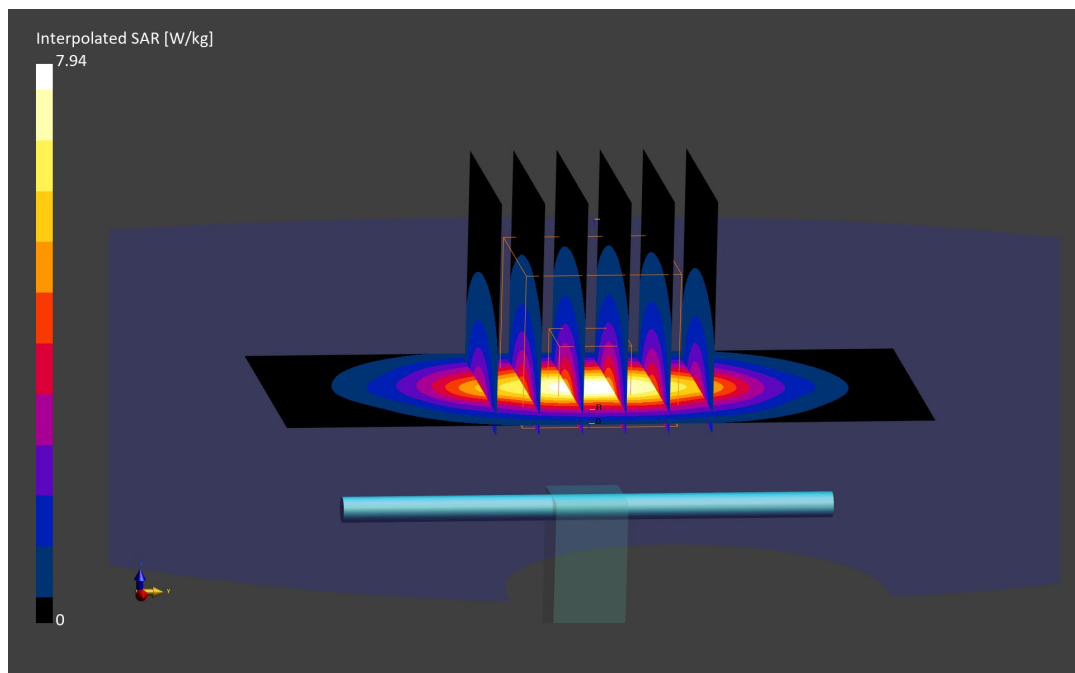
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.94 W/kg

SAR(1 g) = 4.22 W/kg; SAR(10 g) = 2.21 W/kg

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



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d030

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
 Medium: 1900 Head; Medium parameters used:
 $f = 1900.0$ MHz; $\text{cond} = 1.40$ S/m; $\text{perm} = 38.8$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 11/04/2022; Ambient Temp: 22.0°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7532; ConvF:(8.37,8.37,8.37); Calibrated: 2022-04-22
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn501; Calibrated: 2022-04-13
 Phantom: Twin-SAM V8.0; Serial: 1357
 Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

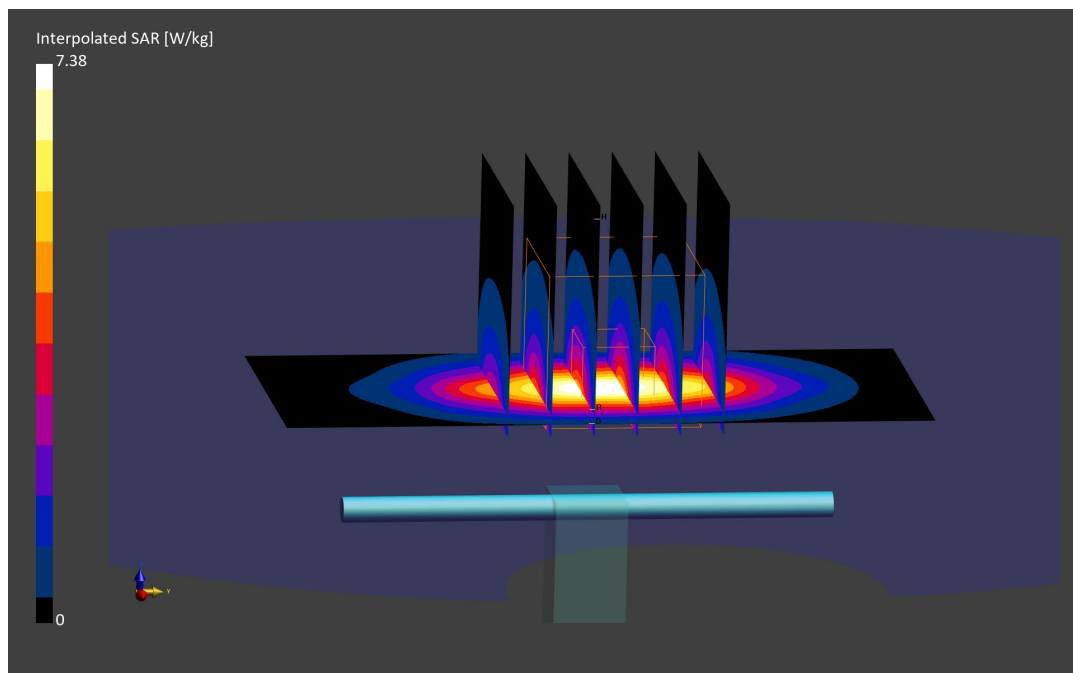
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 7.38 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.04 W/kg

Deviation (1 g) = -0.75%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1116

Communication System: UID: 0, CW; Frequency: 2300.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2300.0 MHz; cond = 1.69 S/m; perm = 38.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 11/04/2022; Ambient Temp: 22.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7488; ConvF:(8.29,8.29,8.29); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn1415; Calibrated: 2022-02-23

Phantom: Twin-SAM V8.0 (30deg probe tilt); Serial: 2065

Measurement SW: DASY Module SAR V16.2.0.1425

2300 MHz System Verification at 20 dBm (100 mW)

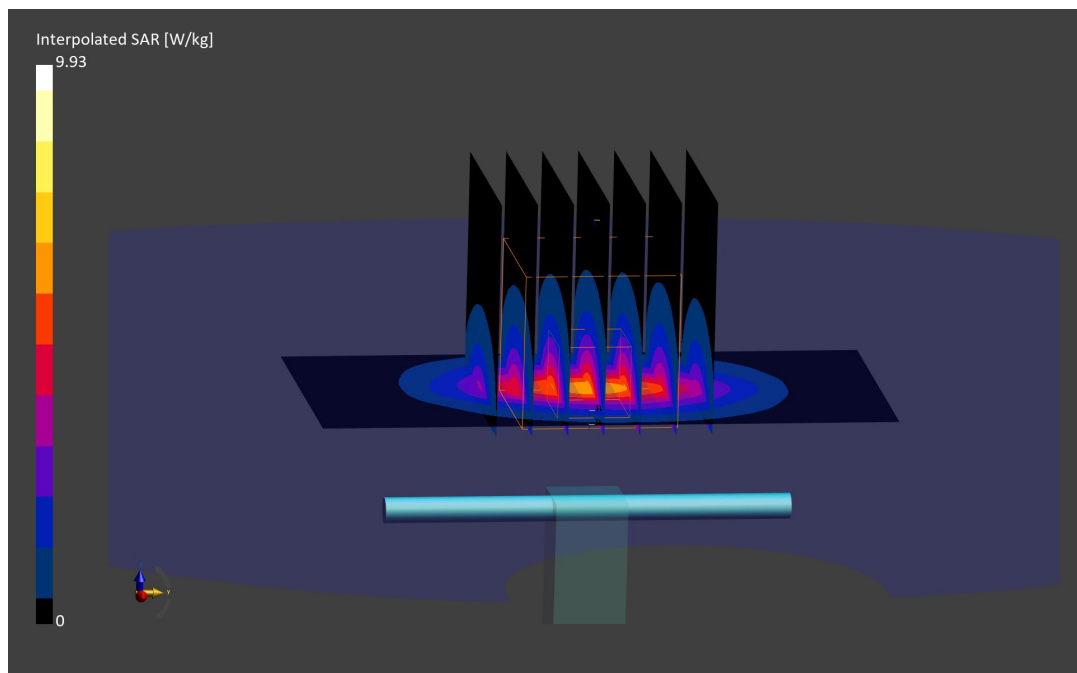
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 9.93 W/kg

SAR(1 g) = 4.93 W/kg; SAR(10 g) = 2.37 W/kg

Deviation (1 g) = -0.60%; Deviation (10 g) = -0.42%



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1064

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2300.0 MHz; cond = 1.72 S/m; perm = 40.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 11/07/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7546; ConvF:(7.56,7.56,7.56); Calibrated: 2022-04-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1402; Calibrated: 2022-04-14
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.0.1425

2300 MHz System Verification at 20 dBm (100 mW)

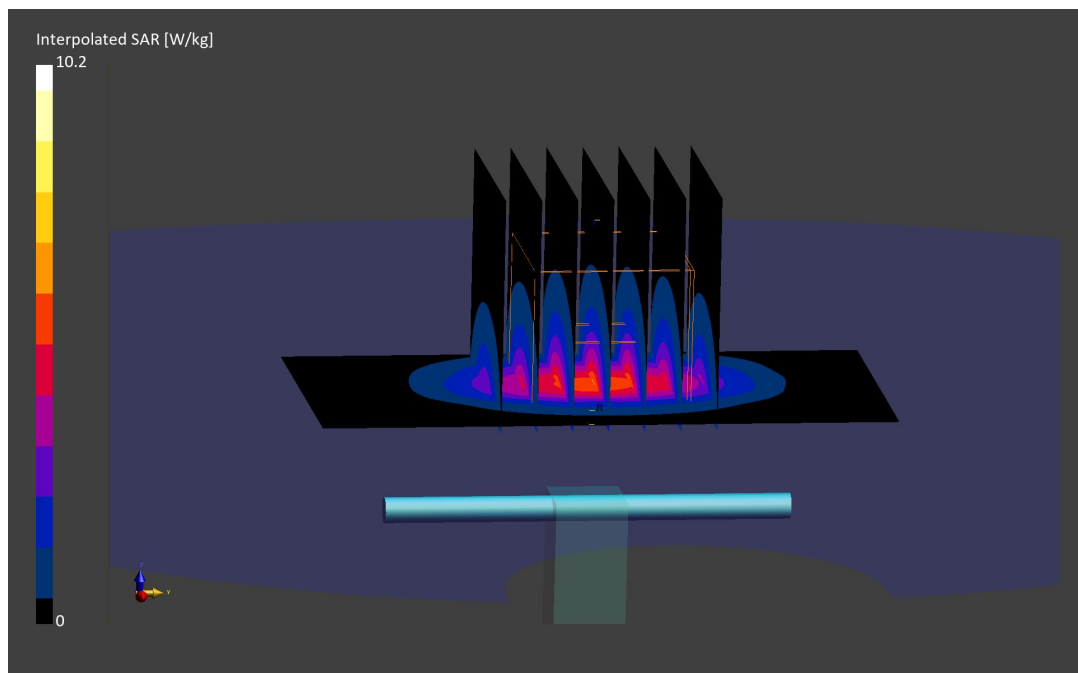
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 10.2 W/kg

SAR(1 g) = 4.85 W/kg; SAR(10 g) = 2.32 W/kg

Deviation (1 g) = -0.82 %; Deviation (10 g) = -0.85%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN719

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

Medium: 2450 Head; Medium parameters used:

$f = 2450.0$ MHz; $\text{cond} = 1.89$ S/m; $\text{perm} = 38.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/20/2022; Ambient Temp: 22.3°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7410; ConvF:(7.46,7.46,7.46); Calibrated: 2022-07-19

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

Electronics: DAE4 Sn1583; Calibrated: 2022-07-18

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

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

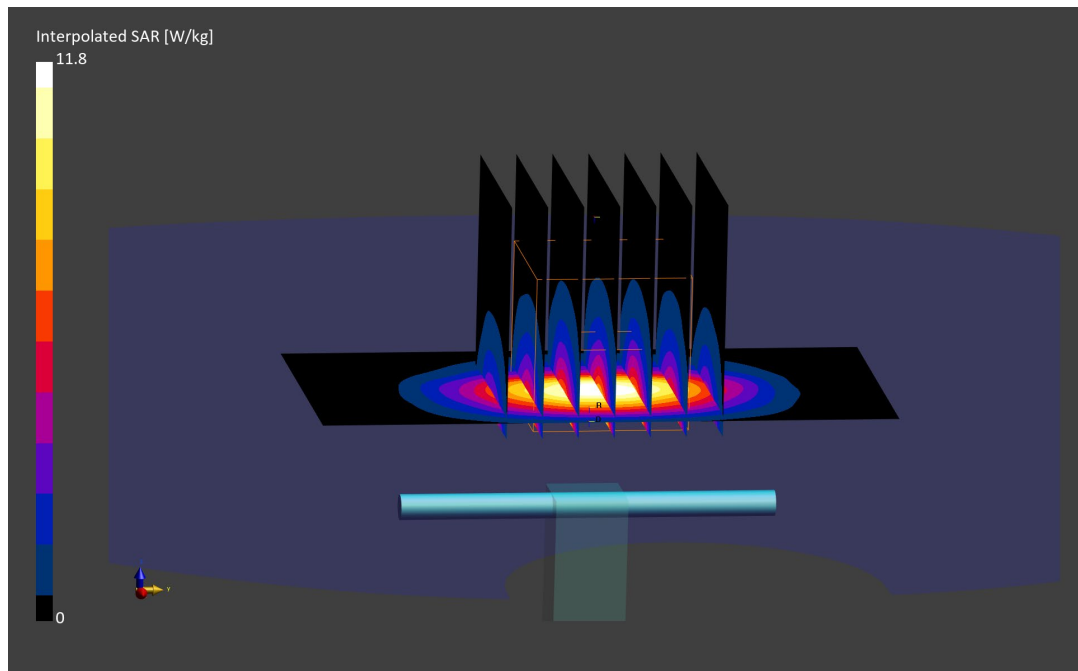
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.78 W/kg; SAR(10 g) = 2.70 W/kg

Deviation (1 g) = 5.09%; Deviation (10 g) = 5.06%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN882

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.89 S/m; perm = 37.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/27/2022; Ambient Temp: 21.9°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7640; ConvF:(8.61,8.61,8.61); Calibrated: 2022-02-24

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

Electronics: DAE4 Sn1645; Calibrated: 2022-02-21

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

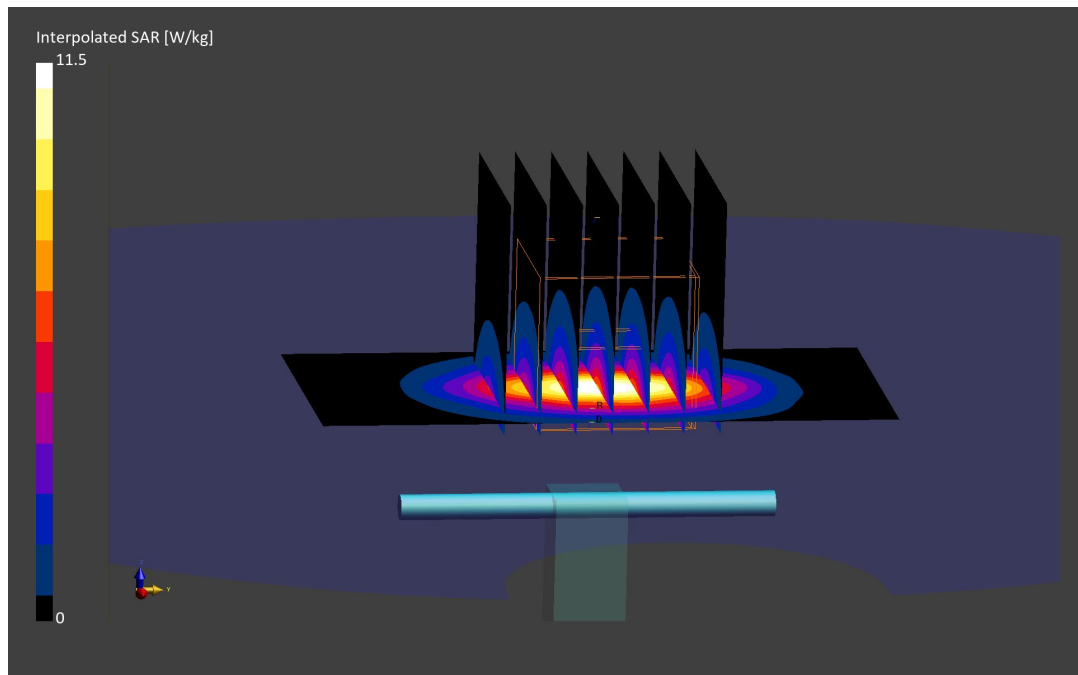
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.42 W/kg

Deviation (1 g) = 3.10%; Deviation (10 g) = 0.83%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN882

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

Medium: 2450 Head; Medium parameters used:

$f = 2450.0$ MHz; $\text{cond} = 1.87$ S/m; $\text{perm} = 38.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/30/2022; Ambient Temp: 21.8°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7640; ConvF:(8.61,8.61,8.61); Calibrated: 2022-02-24

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

Electronics: DAE4 Sn1645; Calibrated: 2022-02-21

Phantom: Twin-SAM V5.0; Serial: 1868

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

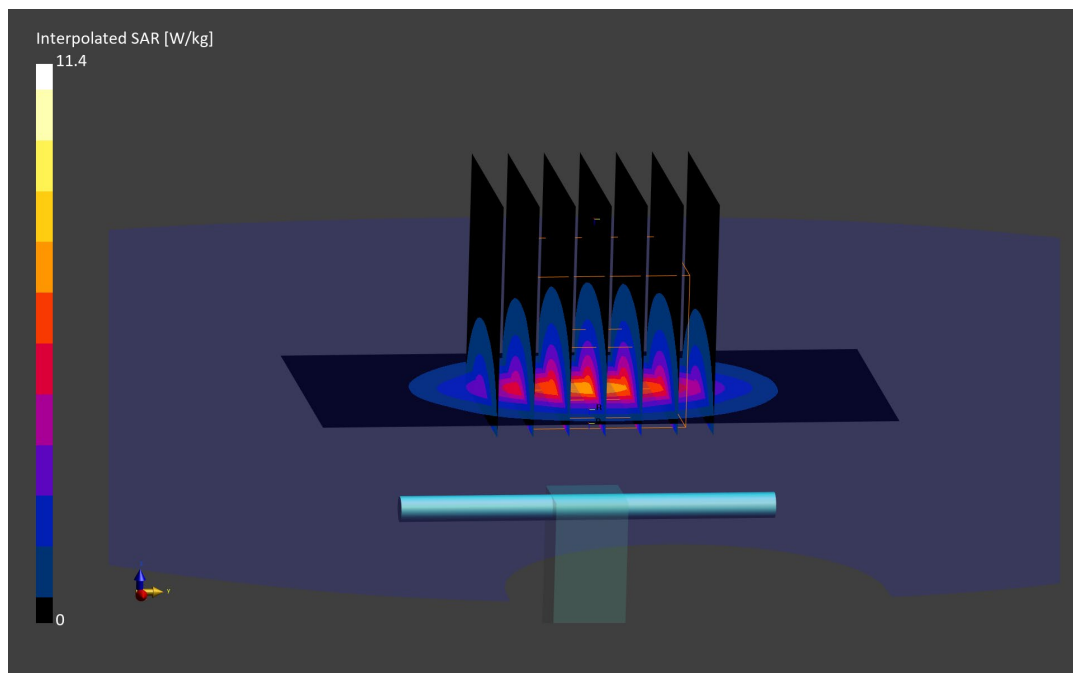
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.41 W/kg; SAR(10 g) = 2.48 W/kg

Deviation (1 g) = 4.84%; Deviation (10 g) = 3.33%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN719

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.79 S/m; perm = 38.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 11/01/2022; Ambient Temp: 21.0°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7410; ConvF:(7.46,7.46,7.46); Calibrated: 2022-07-19

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

Electronics: DAE4 Sn1583; Calibrated: 2022-07-18

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

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

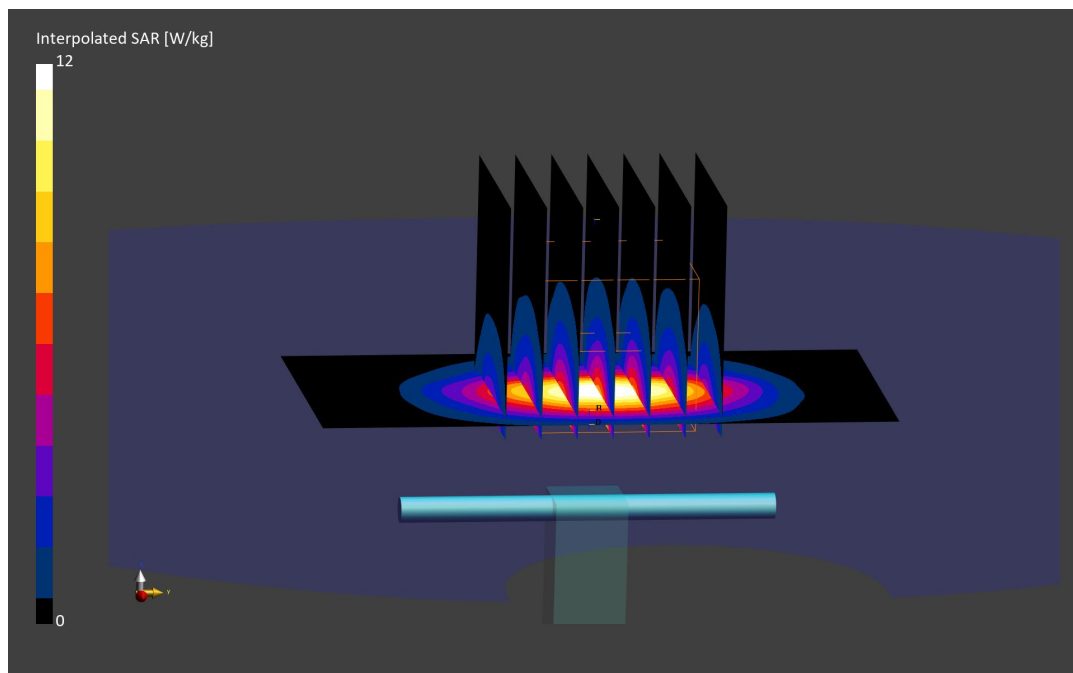
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 5.90 W/kg; SAR(10 g) = 2.78 W/kg

Deviation (1 g) = 7.27%; Deviation (10 g) = 8.17%



ELEMENT

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1009

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

Medium: 2450 Head Medium parameters used:

$f = 2600$ MHz; $\sigma = 1.938$ S/m; $\epsilon_r = 38.266$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/04/2022; Ambient Temp: 23.0°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7491; ConvF(7.72, 7.72, 7.72) @ 2600 MHz; Calibrated: 6/29/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626

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

2600 MHz System Verification at 20.0 dBm (100 mW)

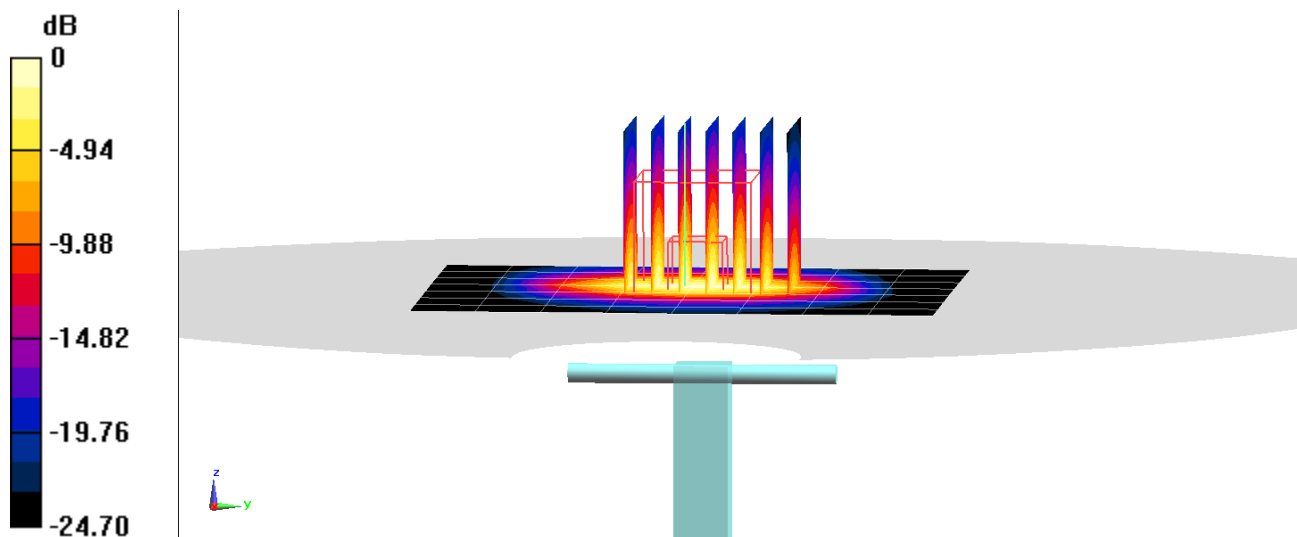
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.38 W/kg; SAR(10 g) = 2.40 W/kg

Deviation(1 g) = -5.28%; Deviation(10 g) = -5.51%



0 dB = 9.07 W/kg = 9.58 dBW/kg

ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1071

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 2.00 S/m; perm = 38.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/20/2022; Ambient Temp: 22.3°C; Tissue Temp: 22.8°C

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

2600 MHz System Verification at 20 dBm (100 mW)

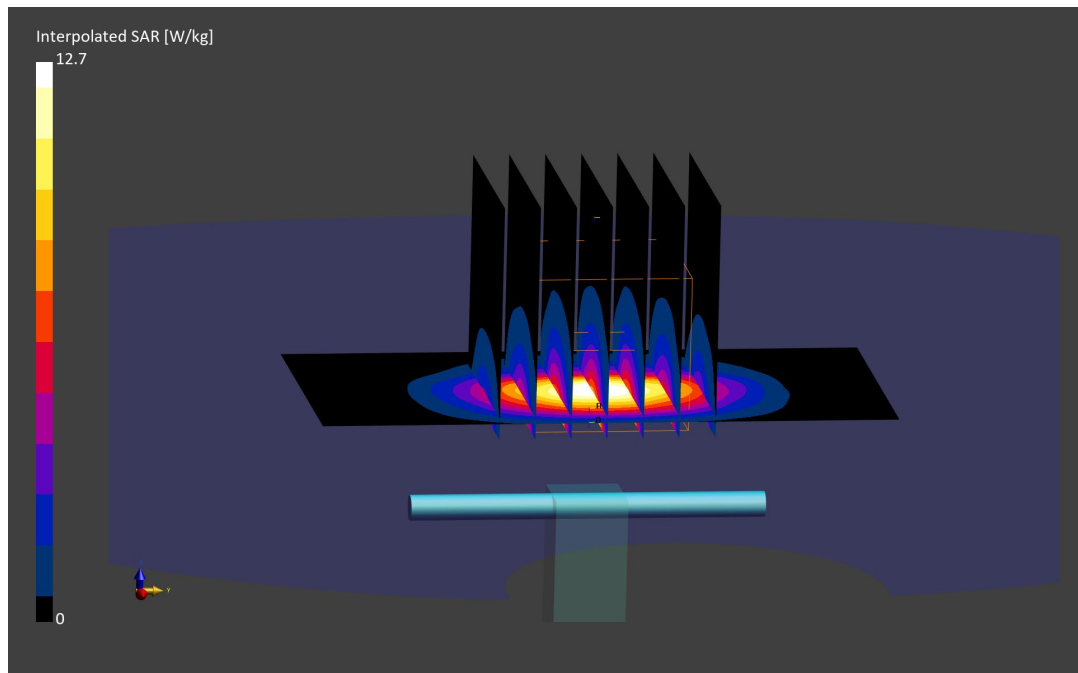
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 5.99 W/kg; SAR(10 g) = 2.69 W/kg

Deviation (1 g) = 6.77%; Deviation (10 g) = 7.17%



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1071

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.93 S/m; perm = 39.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 23.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7409; ConvF:(6.97,6.97,6.97); Calibrated: 2022-06-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2022-06-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

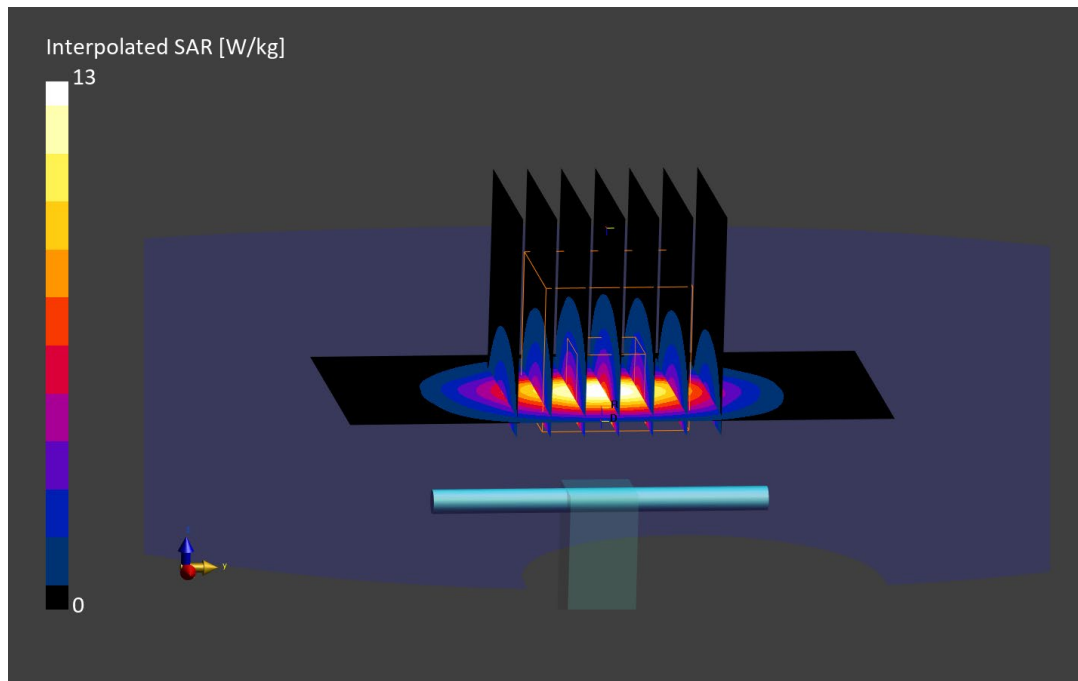
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 13.0 W/kg

SAR(1 g) = 6.01 W/kg; SAR(10 g) = 2.70 W/kg

Deviation (1 g) = 7.13%; Deviation (10 g) = 7.57%



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1071

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.90 S/m; perm = 38.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 11/01/2022; Ambient Temp: 21.0°C; Tissue Temp: 20.4°C

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

2600 MHz System Verification at 20 dBm (100 mW)

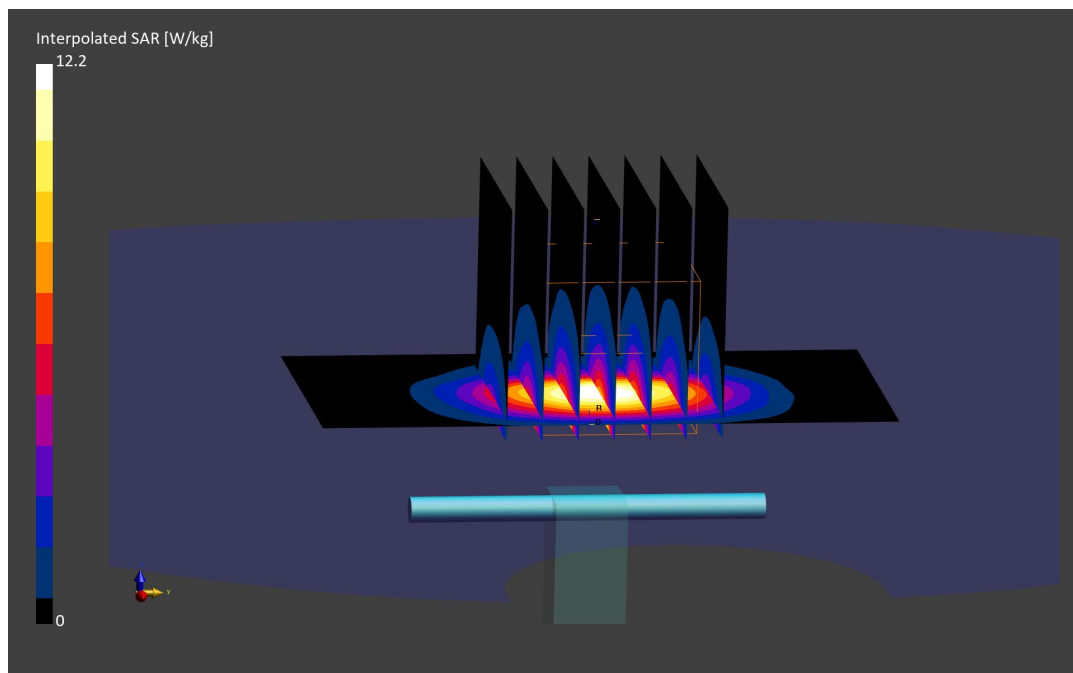
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 5.96 W/kg; SAR(10 g) = 2.71 W/kg

Deviation (1 g) = 6.24%; Deviation (10 g) = 7.97%



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1059

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.84 S/m; perm = 39.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 11/10/2022; Ambient Temp: 22.0°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7410; ConvF:(7.04,7.04,7.04); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

3500 MHz System Verification at 20 dBm (100 mW)

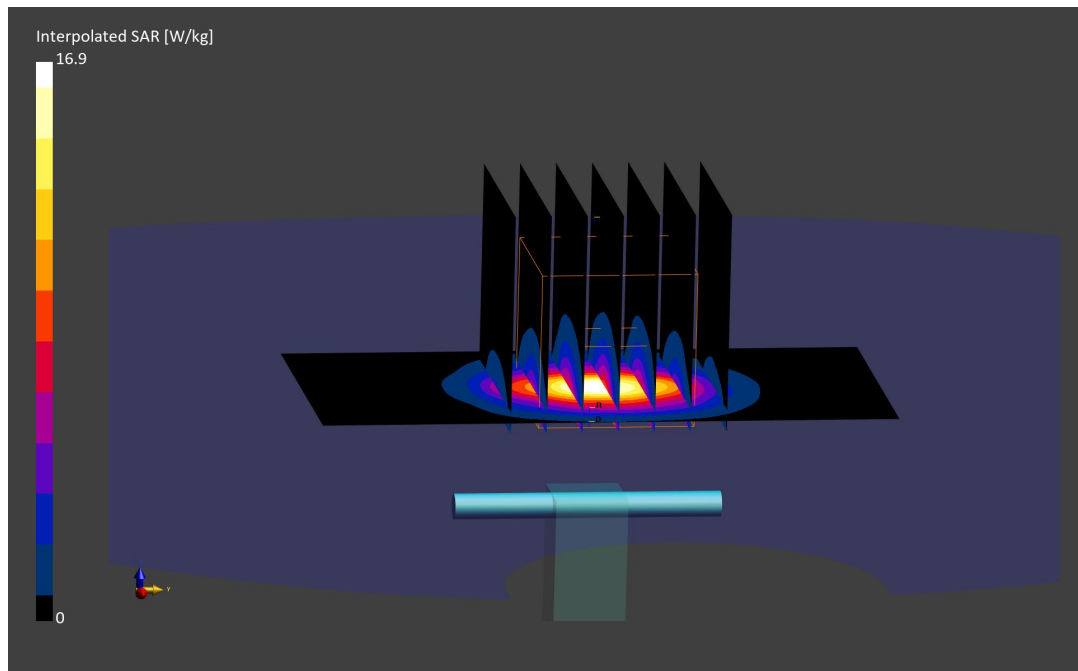
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 6.74 W/kg; SAR(10 g) = 2.61 W/kg

Deviation (1 g) = 5.81%; Deviation (10 g) = 9.21%



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1126

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.80 S/m; perm = 37.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 11/10/2022; Ambient Temp: 21.3°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7416; ConvF:(6.67,6.67,6.67); Calibrated: 2022-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2022-05-16
Phantom: Twin-SAM V8.0; Serial: 2071
Measurement SW: DASY Module SAR V16.2.0.1425

3500 MHz System Verification at 20 dBm (100 mW)

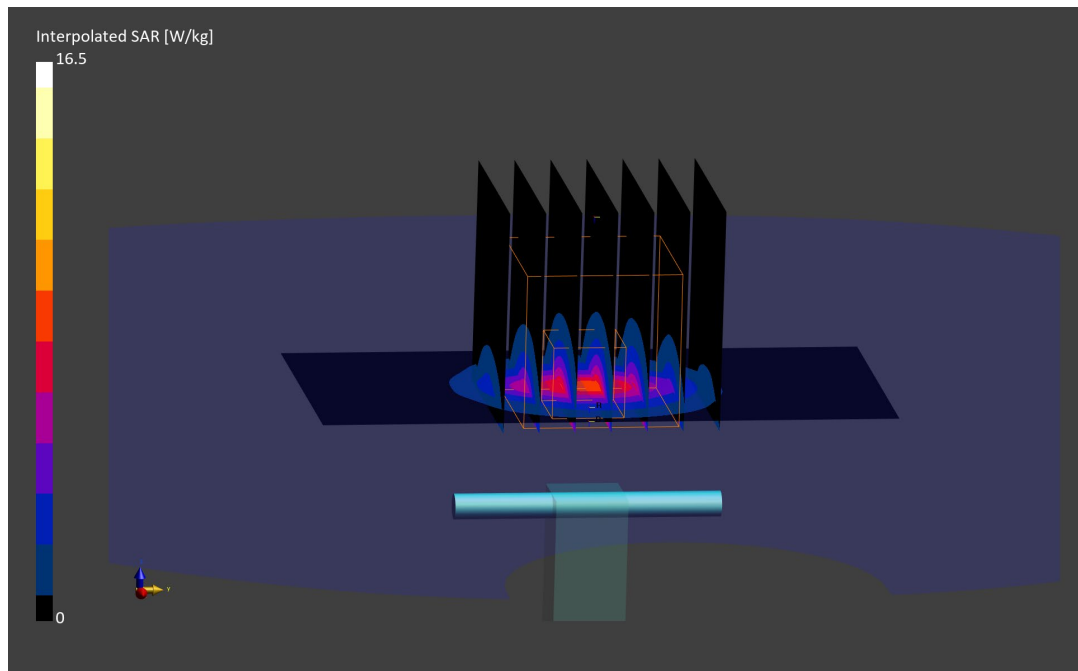
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 6.58 W/kg; SAR(10 g) = 2.54 W/kg

Deviation (1 g) = -1.79%; Deviation (10 g) = 1.60%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1097

Communication System: UID: 0, CW; Frequency: 3700.0 MHz

Medium: 3600 Head; Medium parameters used:

f = 3700.0 MHz; cond = 3.01 S/m; perm = 37.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 11/07/2022; Ambient Temp: 21.5°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7416; ConvF:(6.43,6.43,6.43); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn701; Calibrated: 2022-05-16

Phantom: Twin-SAM V8.0; Serial: 2071

Measurement SW: DASY Module SAR V16.2.0.1425

3700 MHz System Verification at 20 dBm (100 mW)

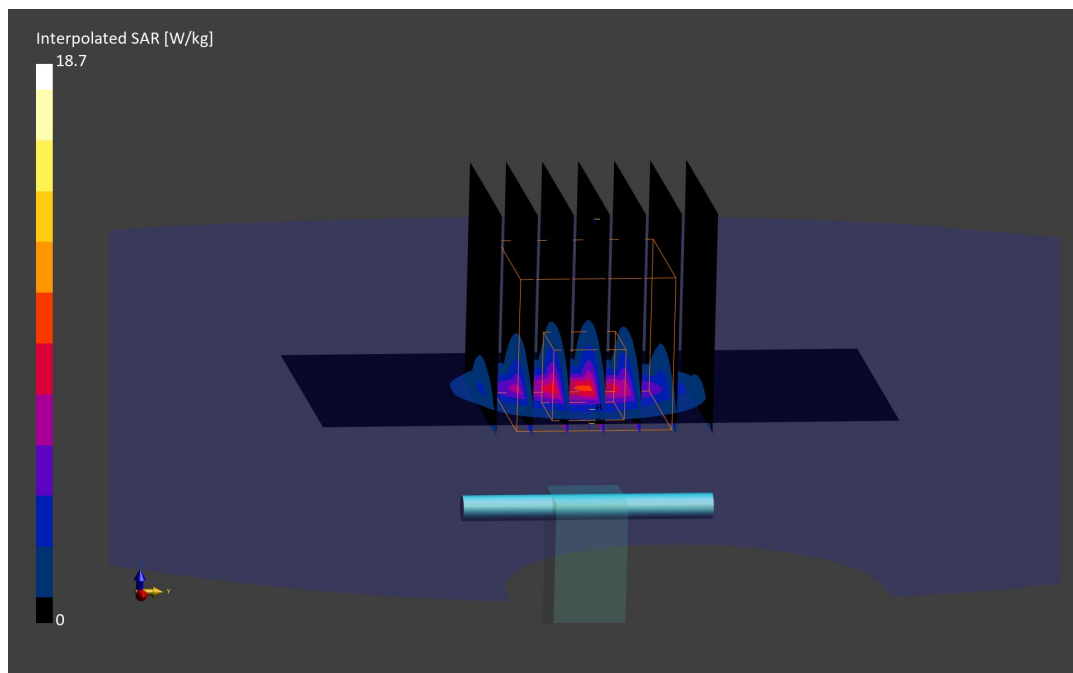
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 7.08 W/kg; SAR(10 g) = 2.63 W/kg

Deviation (1 g) = 3.96%; Deviation (10 g) = 7.35%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0, CW; Frequency: 3700.0 MHz

Medium: 3600 Head; Medium parameters used:

$f = 3700.0$ MHz; $\text{cond} = 3.04$ S/m; $\text{perm} = 38.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 11/10/2022; Ambient Temp: 22.0°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7410; ConvF:(6.98,6.98,6.98); Calibrated: 2022-07-19

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

Electronics: DAE4 Sn1583; Calibrated: 2022-07-18

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

Measurement SW: DASY Module SAR V16.2.0.1425

3700 MHz System Verification at 20 dBm (100 mW)

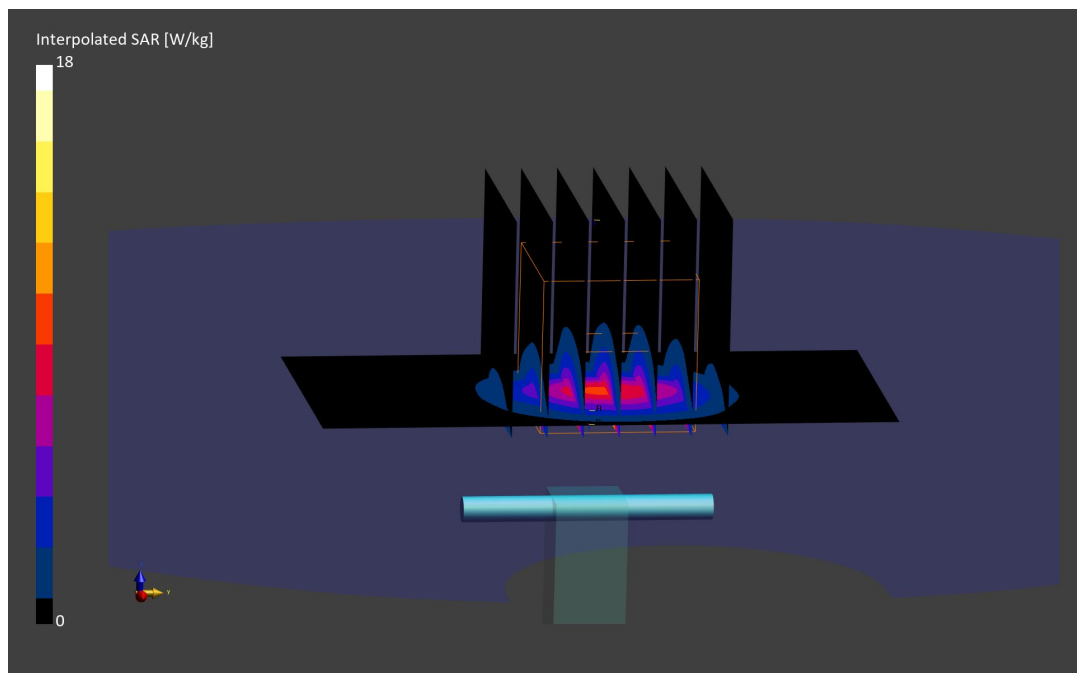
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 6.80 W/kg; SAR(10 g) = 2.54 W/kg

Deviation (1 g) = 1.19%; Deviation (10 g) = 4.53%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1097

Communication System: UID: 0, CW; Frequency: 3700.0 MHz

Medium: 3600 Head; Medium parameters used:

f = 3700.0 MHz; cond = 3.00 S/m; perm = 37.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 11/10/2022; Ambient Temp: 21.3°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7416; ConvF:(6.43,6.43,6.43); Calibrated: 2022-05-18

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

Electronics: DAE4 Sn701; Calibrated: 2022-05-16

Phantom: Twin-SAM V8.0; Serial: 2071

Measurement SW: DASY Module SAR V16.2.0.1425

3700 MHz System Verification at 20 dBm (100 mW)

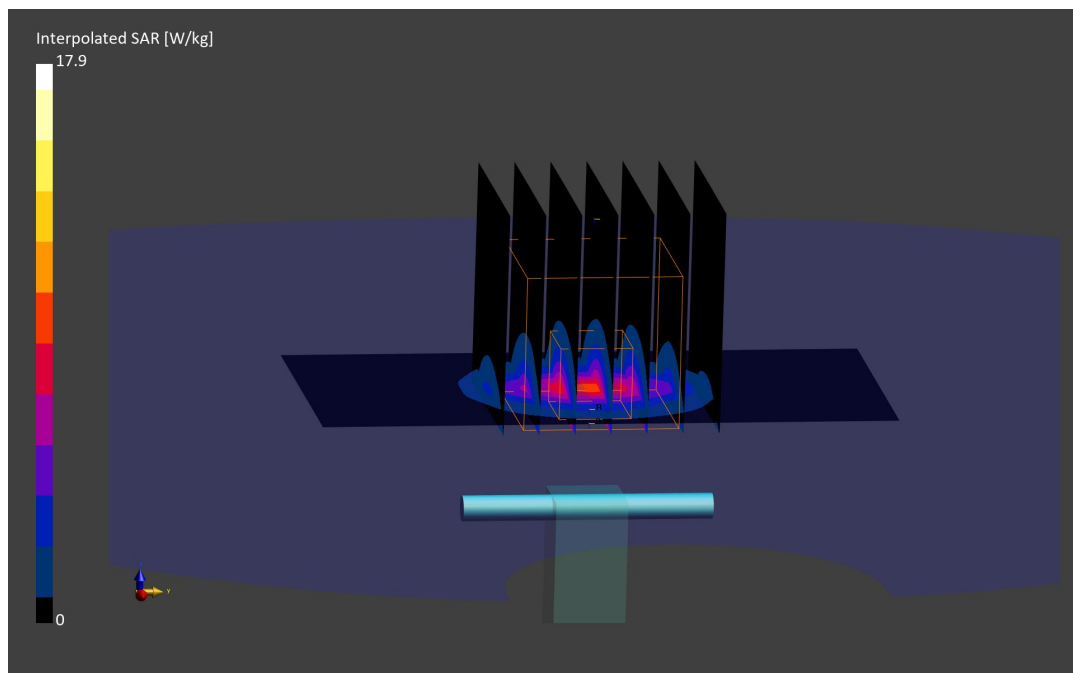
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 6.86 W/kg; SAR(10 g) = 2.56 W/kg

Deviation (1 g) = 0.73%; Deviation (10 g) = 4.49%



ELEMENT

DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1062

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3900.0 MHz; cond = 3.22 S/m; perm = 37.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 11/07/2022; Ambient Temp: 21.5°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7416; ConvF:(6.4,6.4,6.4); Calibrated: 2022-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2022-05-16
Phantom: Twin-SAM V8.0; Serial: 2071
Measurement SW: DASY Module SAR V16.2.0.1425

3900 MHz System Verification at 20 dBm (100 mW)

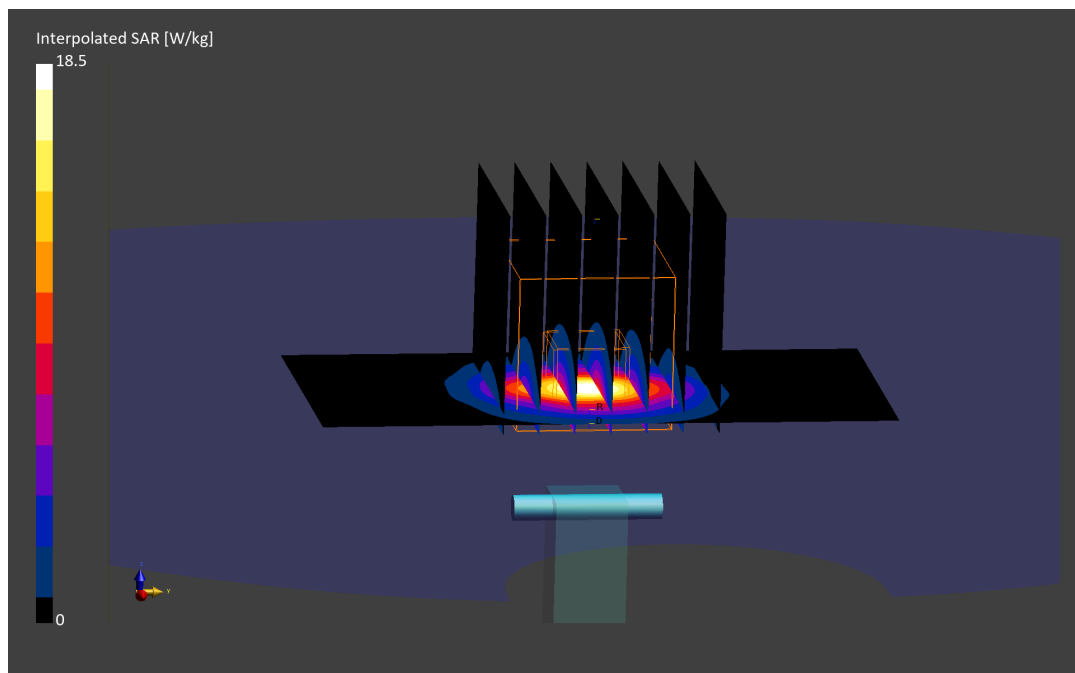
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 18.5 W/kg

SAR(1 g) = 7.05 W/kg; SAR(10 g) = 2.52 W/kg

Deviation (1 g) = 2.77%; Deviation (10 g) = 5.88%



ELEMENT

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1237

Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.56 S/m; perm = 35.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 20.6°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7565; ConvF:(5.29,5.29,5.29); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

5250 MHz System Verification at 17 dBm (50 mW)

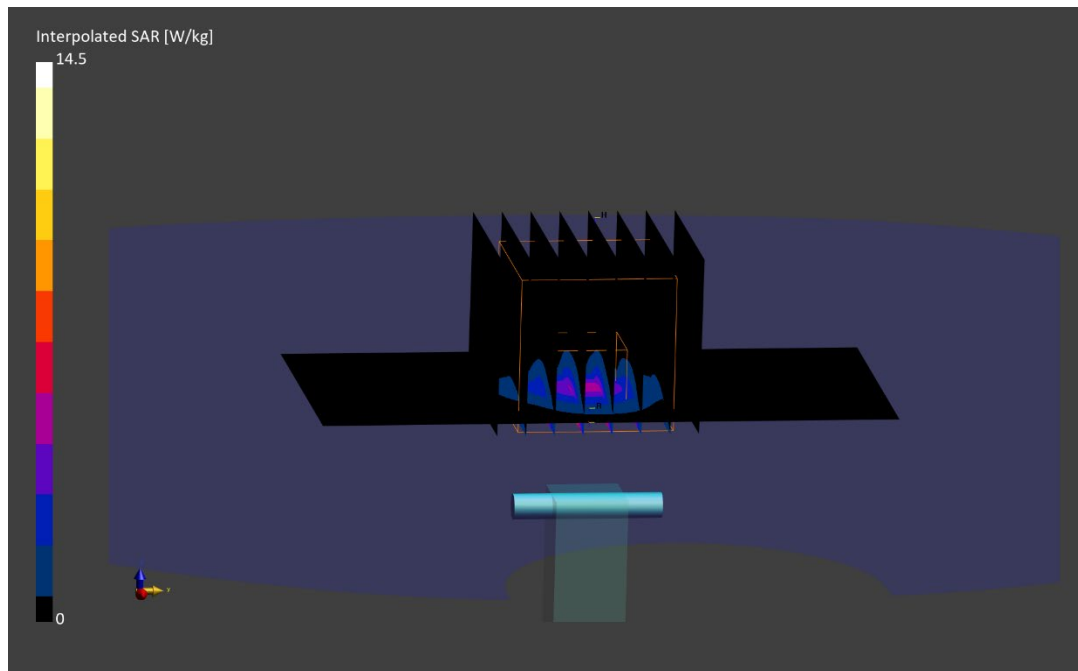
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 14.5 W/kg

SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.07 W/kg

Deviation (1 g) = -7.18%; Deviation (10 g) = -6.14%



ELEMENT

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1237

Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 4.96 S/m; perm = 34.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 20.6°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7565; ConvF:(4.55,4.55,4.55); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

5600 MHz System Verification at 17 dBm (50 mW)

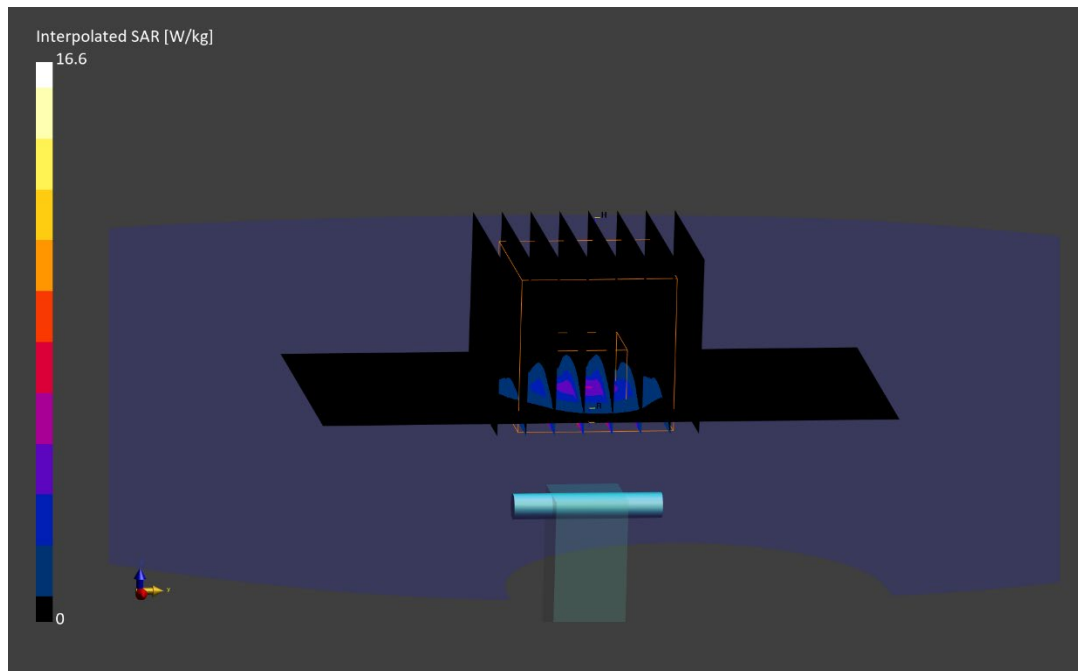
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 16.6 W/kg

SAR(1 g) = 4.03 W/kg; SAR(10 g) = 1.13 W/kg

Deviation (1 g) = -4.16%; Deviation (10 g) = -4.64%



ELEMENT

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1237

Communication System: UID: 0, CW; Frequency: 5750.0 MHz
 Medium: 5200-5800 Head; Medium parameters used:
 $f = 5750.0$ MHz; $\text{cond} = 5.13$ S/m; $\text{perm} = 34.6$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 20.6°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7565; ConvF:(4.7,4.7,4.7); Calibrated: 2021-11-15
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
 Phantom: Twin-SAM V8.0; Serial: 1934
 Measurement SW: DASY Module SAR V16.2.0.1425

5750 MHz System Verification at 17 dBm (50 mW)

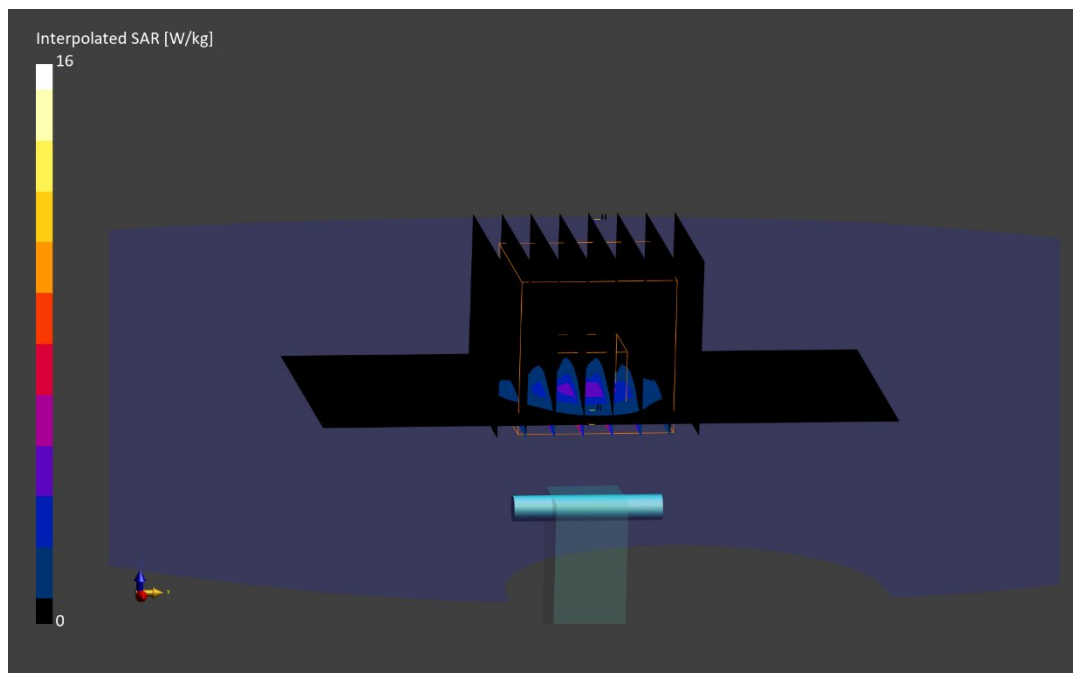
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 16.0 W/kg

SAR(1 g) = 3.78 W/kg; SAR(10 g) = 1.07 W/kg

Deviation (1 g) = -6.78%; Deviation (10 g) = -5.31%



ELEMENT

DUT: Dipole 5800.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5800.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5800.0 MHz; cond = 5.31 S/m; perm = 34.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/31/2022; Ambient Temp: 23.2°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7527; ConvF:(4.88,4.88,4.88); Calibrated: 2022-03-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2022-03-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

5800 MHz System Verification at 17 dBm (50 mW)

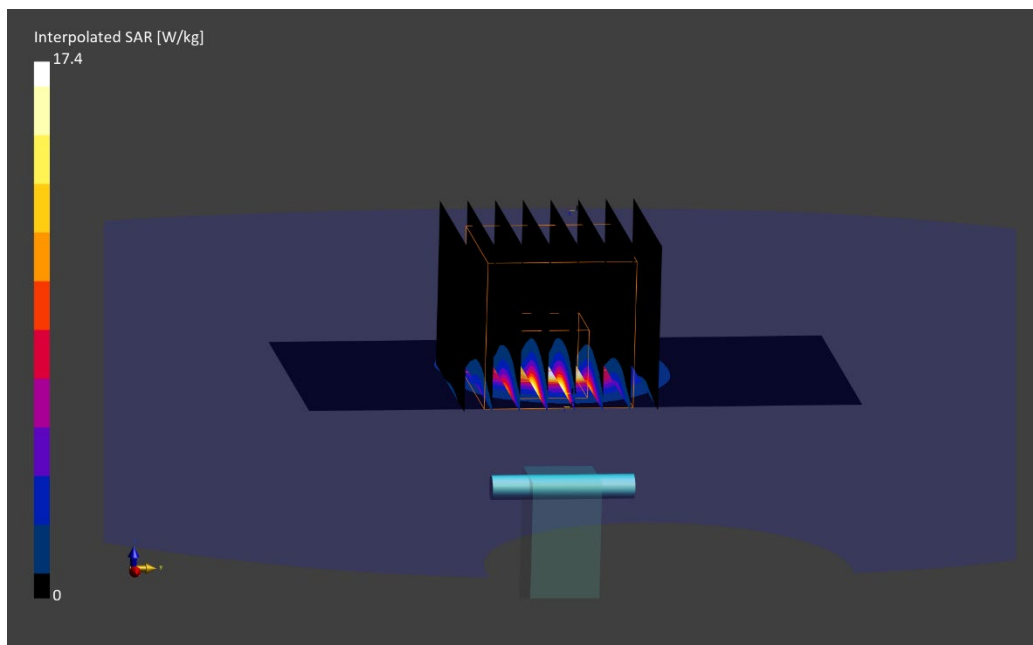
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 17.5 W/kg

SAR(1 g) = 3.99 W/kg; SAR(10 g) = 1.13 W/kg

Deviation (1 g) = -2.80%; Deviation (10 g) = -1.74%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003

Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Body; Medium parameters used:
f = 750.0 MHz; cond = 0.935 S/m; perm = 54.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 09/07/2022; Ambient Temp: 22.7°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

750 MHz System Verification at 23 dBm (200 mW)

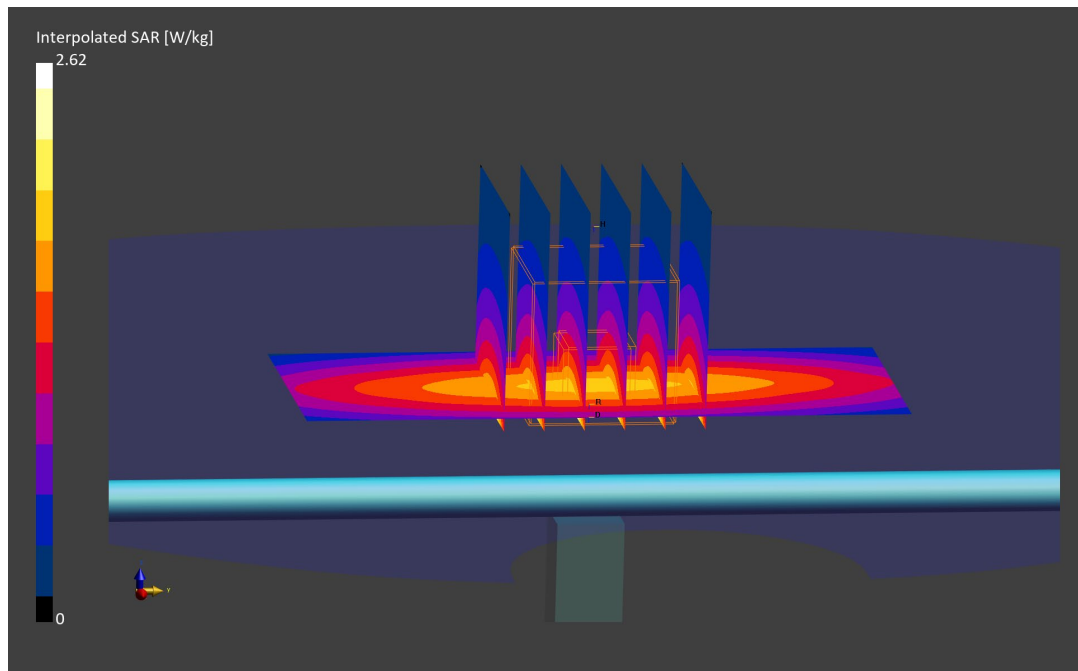
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 1.66 W/kg; SAR(10 g) = 1.11 W/kg

Deviation (1 g) = -5.68%; Deviation (10 g) = -4.97%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1054

Communication System: UID: 0, CW; Frequency: 750.0 MHz
 Medium: 750 Body; Medium parameters used:
 $f = 750.0$ MHz; $\text{cond} = 0.951$ S/m; $\text{perm} = 54.0$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 15 mm

Test Date: 09/11/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7668; ConvF:(9.55,9.55,9.55); Calibrated: 2022-08-23
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
 Phantom: Twin-SAM V8.0; Serial: 2056
 Measurement SW: DASY Module SAR V16.2.0.1425

750 MHz System Verification at 23 dBm (200 mW)

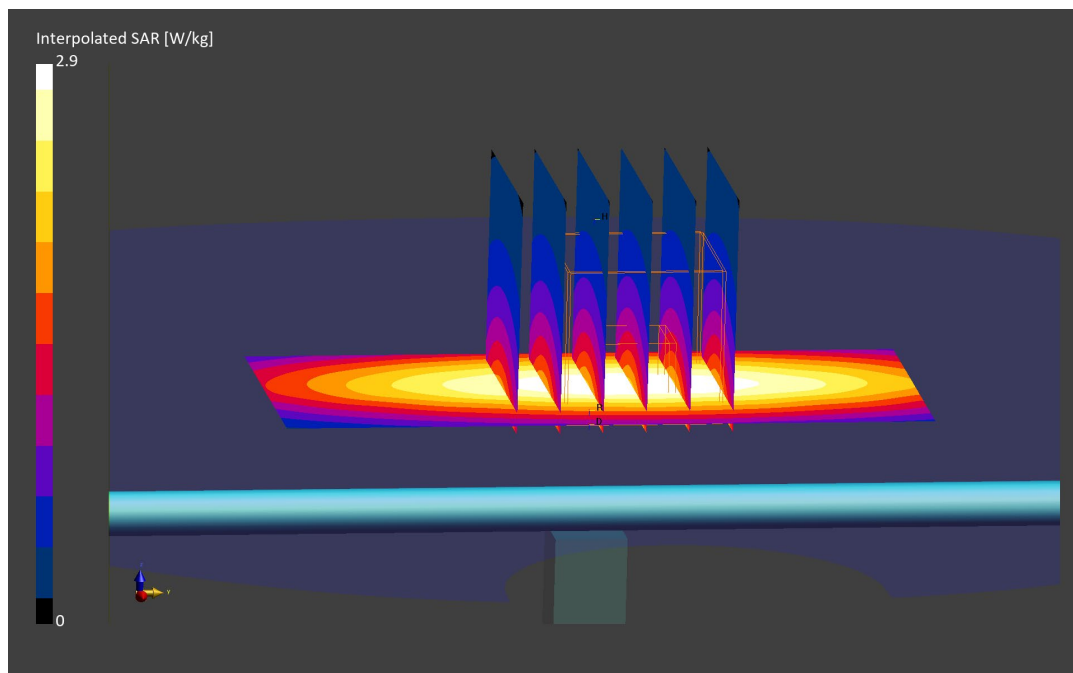
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 1.78 W/kg; SAR(10 g) = 1.18 W/kg

Deviation (1 g) = 3.13%; Deviation (10 g) = 3.15%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003

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

Medium: 750 Body; Medium parameters used:

f = 750.0 MHz; cond = 0.938 S/m; perm = 53.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 09/13/2022; Ambient Temp: 21.1°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7565; ConvF:(9.78,9.78,9.78); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

750 MHz System Verification at 23 dBm (200 mW)

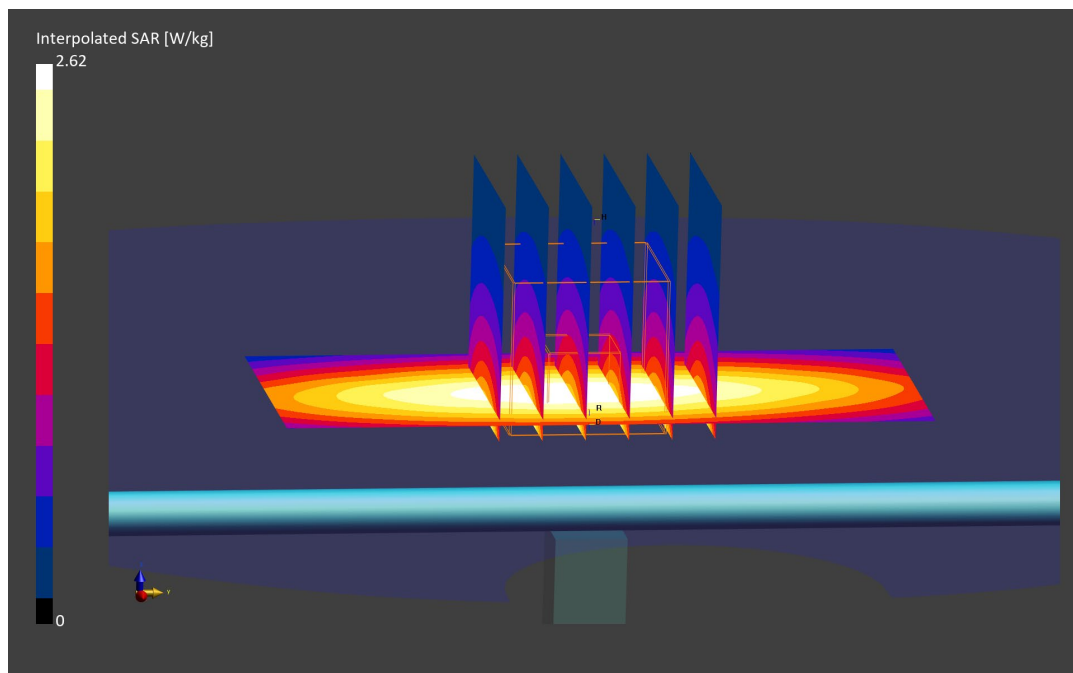
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 1.67 W/kg; SAR(10 g) = 1.12 W/kg

Deviation (1 g) = -5.11%; Deviation (10 g) = -4.11%



ELEMENT

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

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

Medium: 750 Body Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.935 \text{ S/m}$; $\epsilon_r = 55.156$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 10/20/2022; Ambient Temp: 22.4°C; Tissue Temp: 22.0°C

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

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626

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

750 MHz System Verification at 23.0 dBm (200 mW)

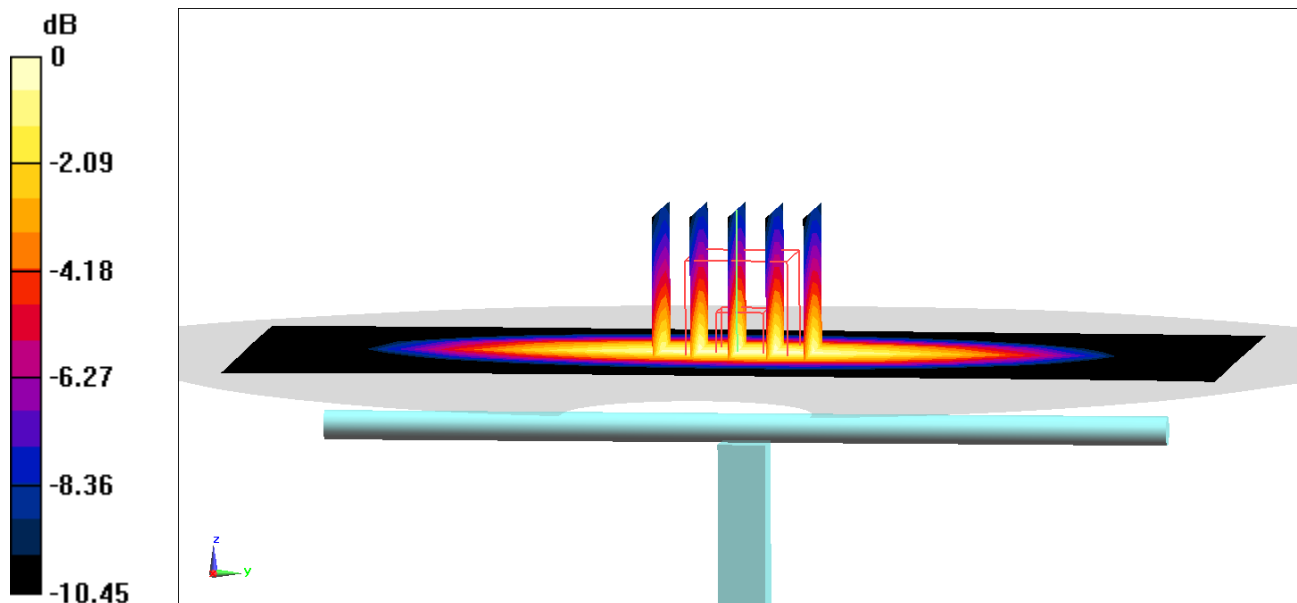
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.44 W/kg

SAR(1 g) = 1.63 W/kg; SAR(10 g) = 1.07 W/kg

Deviation(1 g) = -6.11%; Deviation(10 g) = -6.47%



0 dB = 2.16 W/kg = 3.34 dBW/kg

ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d119

Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Body; Medium parameters used:
f = 835.0 MHz; cond = 0.956 S/m; perm = 54.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 09/07/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7640; ConvF:(10.66,10.66,10.66); Calibrated: 2022-02-24
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1645; Calibrated: 2022-02-21
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

835 MHz System Verification at 23 dBm (200 mW)

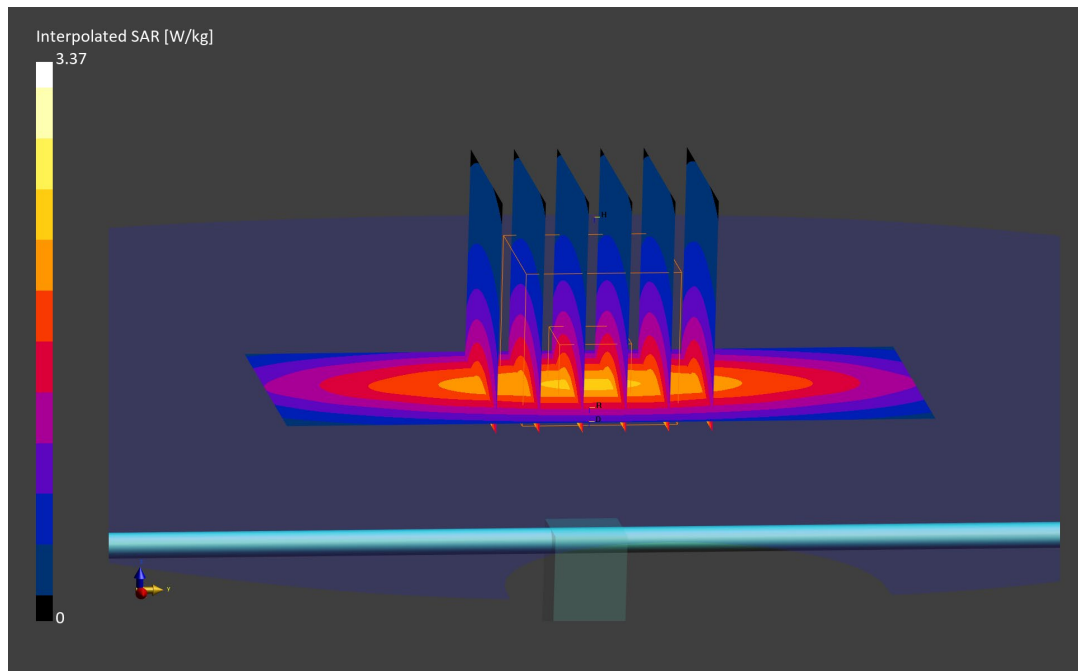
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 3.36 W/kg

SAR(1 g) = 2.03 W/kg; SAR (10 g) = 1.33 W/kg

Deviation (1 g) = 2.42%; Deviation (10 g) = 0.91%



ELEMENT

DUT: Dipole 835 MHz D835V2; Type: D835V2 - SN4d180

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

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 1.003 \text{ S/m}$; $\epsilon_r = 54.087$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/21/2022; Ambient Temp: 22.1°C; Tissue Temp: 20.9°C

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

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626

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

835 MHz System Verification at 23.0 dBm (200 mW)

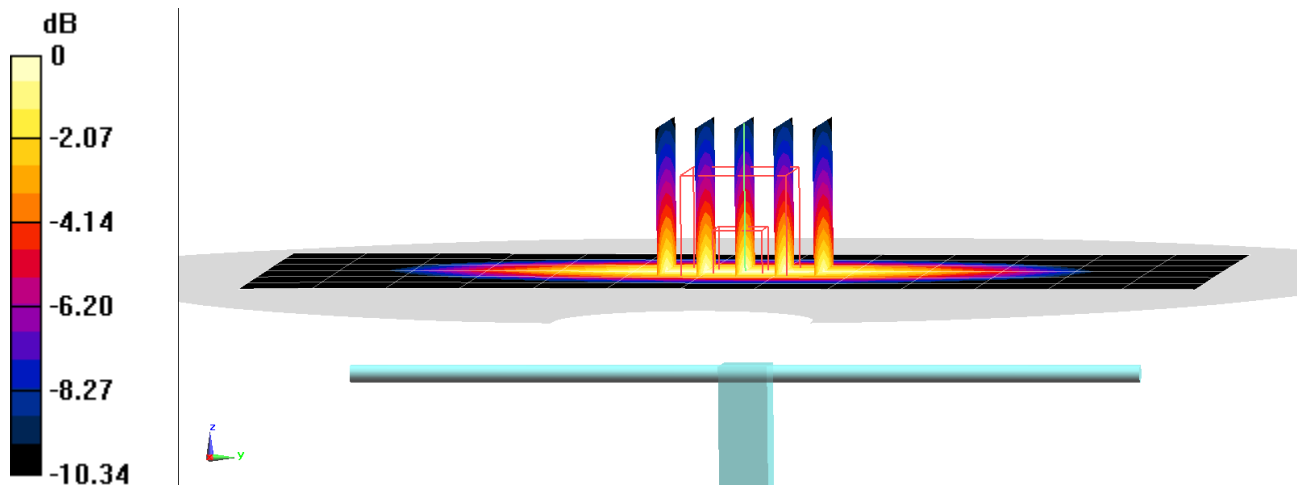
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 3.22 W/kg

SAR(1 g) = 2.07 W/kg; SAR(10 g) = 1.36 W/kg

Deviation(1 g) = 6.59%; Deviation(10 g) = 6.42%



0 dB = 2.81 W/kg = 4.49 dBW/kg

ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d047

Communication System: UID: 0, CW; Frequency: 835.0 MHz
 Medium: 835 Body; Medium parameters used:
 $f = 835.0$ MHz; $\text{cond} = 0.963$ S/m; $\text{perm} = 53.9$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 15 mm

Test Date: 09/21/2022; Ambient Temp: 23.9°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7660; ConvF:(10.61,10.61,10.61); Calibrated: 2022-05-18
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1678; Calibrated: 2022-05-10
 Phantom: Twin-SAM V5.0; Serial: 1692rightback
 Measurement SW: DASY Module SAR V16.2.0.1425

835 MHz System Verification at 23 dBm (200 mW)

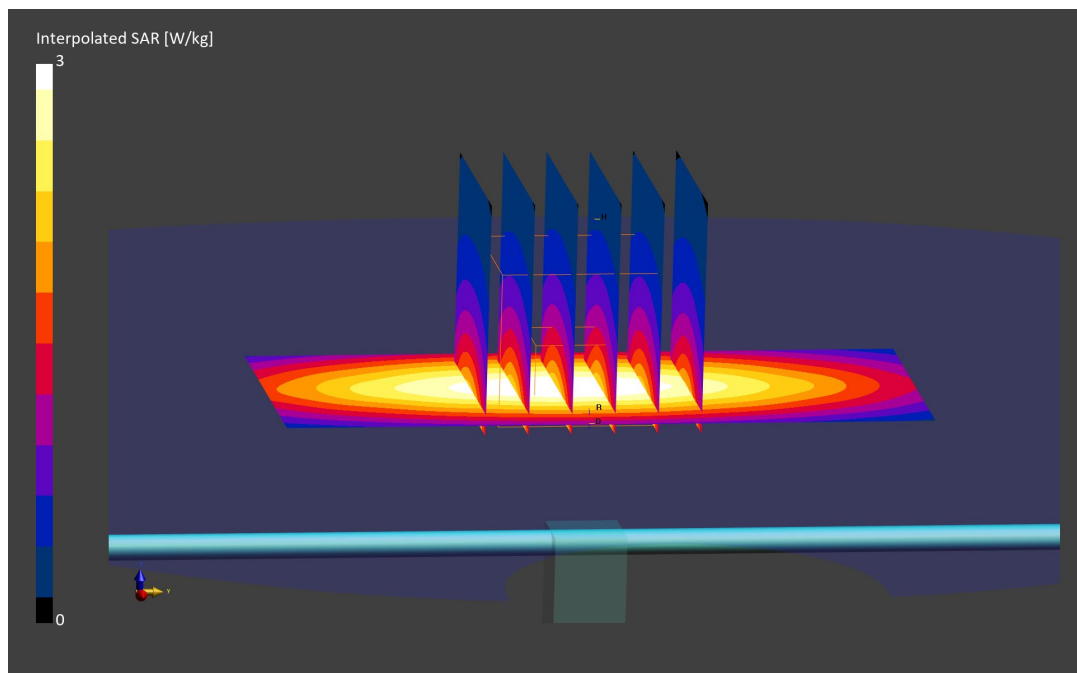
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.28 W/kg

Deviation (1 g) = 0.21%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d180

Communication System: UID: 0, CW; Frequency: 835.0 MHz
 Medium: 835 Body; Medium parameters used:
 $f = 835.0$ MHz; $\text{cond} = 0.946$ S/m; $\text{perm} = 53.0$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 15 mm

Test Date: 09/26/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7640; ConvF:(10.66,10.66,10.66); Calibrated: 2022-02-24
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1645; Calibrated: 2022-02-21
 Phantom: Twin-SAM V5.0; Serial: 1868
 Measurement SW: DASY Module SAR V16.2.0.1425

835 MHz System Verification at 23 dBm (200 mW)

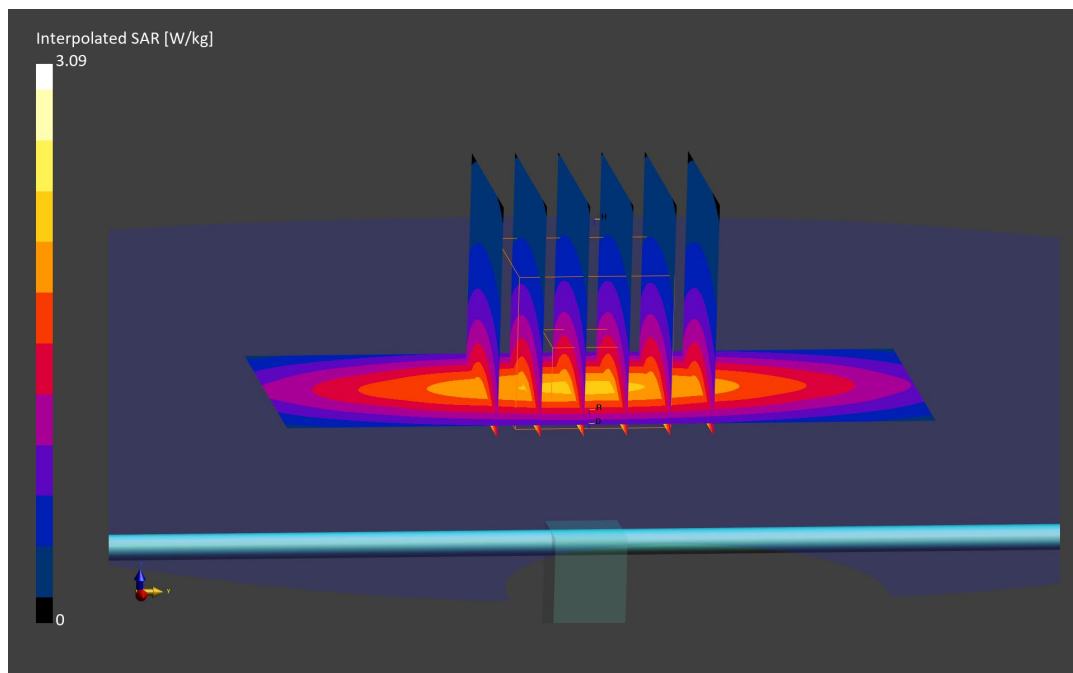
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 3.09 W/kg

SAR(1 g) = 1.89 W/kg; SAR(10 g) = 1.25 W/kg

Deviation (1 g) = -2.68%; Deviation (10 g) = -2.19%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d119

Communication System: UID: 0, CW; Frequency: 835.0 MHz
 Medium: 835 Body; Medium parameters used:
 $f = 835.0$ MHz; $\text{cond} = 0.937$ S/m; $\text{perm} = 52.7$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 15 mm

Test Date: 09/27/2022; Ambient Temp: 22.7°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7565; ConvF:(9.55,9.55,9.55); Calibrated: 2021-11-15
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1466; Calibrated: 2021-11-11
 Phantom: Twin-SAM V8.0; Serial: 1934
 Measurement SW: DASY Module SAR V16.2.0.1425

835 MHz System Verification at 23 dBm (200 mW)

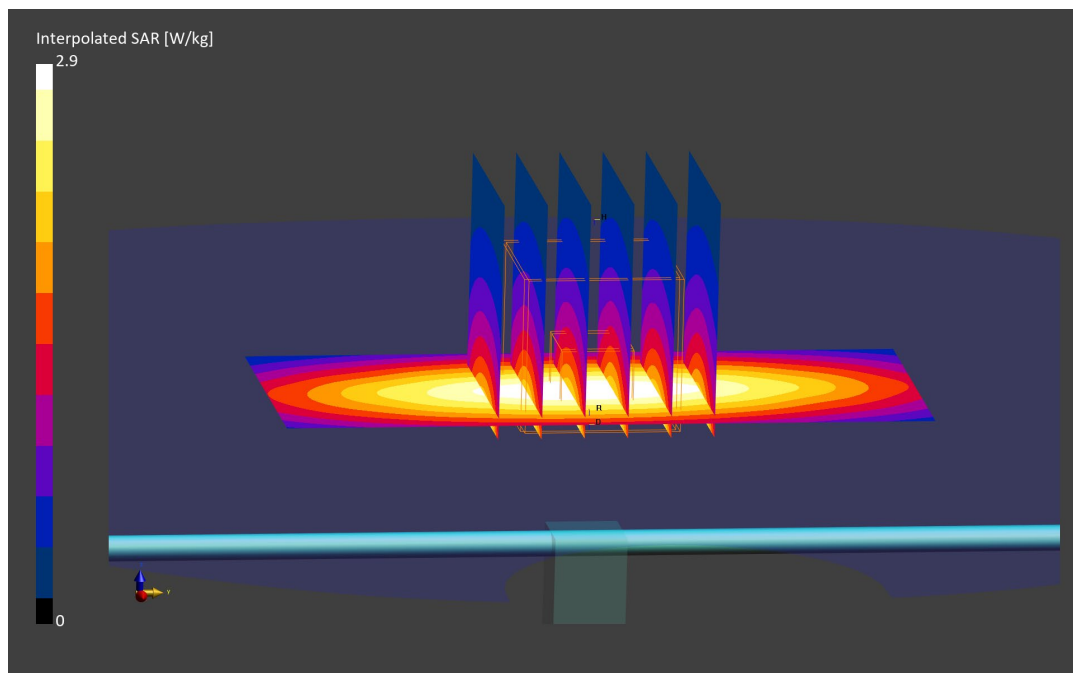
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 1.92 W/kg; SAR(10 g) = 1.29 W/kg

Deviation (1 g) = -3.13%; Deviation (10 g) = -2.12%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1148

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
 Medium: 1750 Body; Medium parameters used:
 $f = 1750.0$ MHz; $\text{cond} = 1.50$ S/m; $\text{perm} = 52.1$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 09/28/2022; Ambient Temp: 23.9°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7660; ConvF:(9.22,9.22,9.22); Calibrated: 2022-05-18
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1678; Calibrated: 2022-05-10
 Phantom: Twin-SAM V5.0; Serial: 1692rightback
 Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

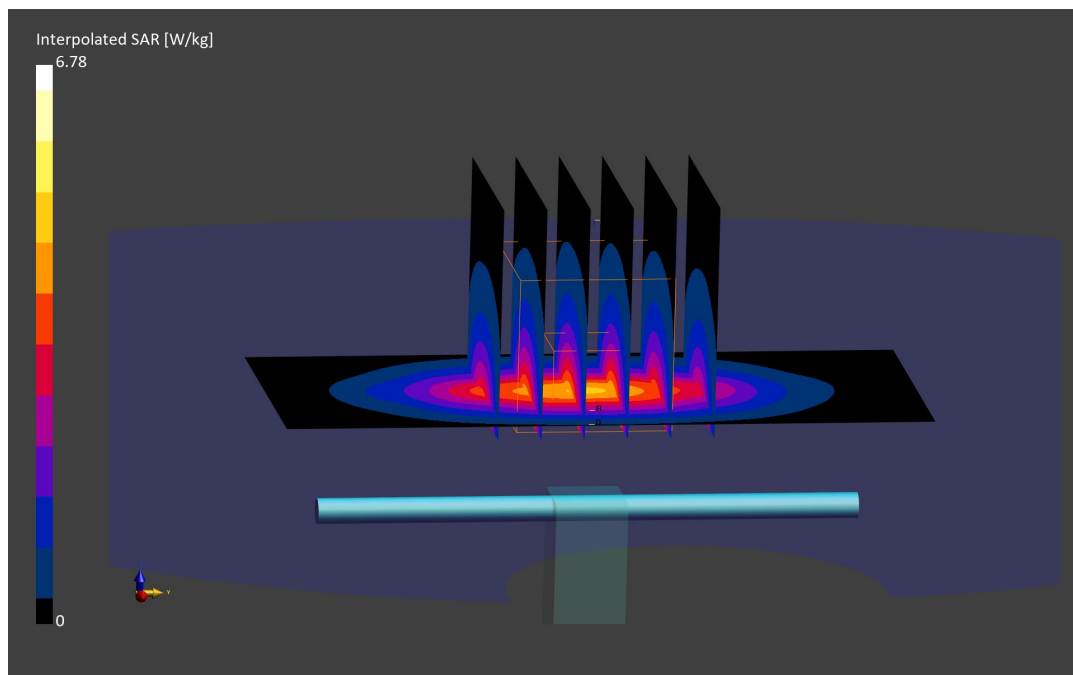
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 6.78 W/kg

SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.95 W/kg

Deviation (1 g) = -0.81%; Deviation (10 g) = -0.51%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1150

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

Medium: 1750 Body; Medium parameters used:

f = 1750.0 MHz; cond = 1.52 S/m; perm = 52.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/19/2022; Ambient Temp: 22.1°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7571; ConvF:(8.0,8.0,8.0); Calibrated: 2021-12-10

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

Electronics: DAE4 Sn859; Calibrated: 2021-12-08

Phantom: Twin-SAM V5.0; Serial: 1646

Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

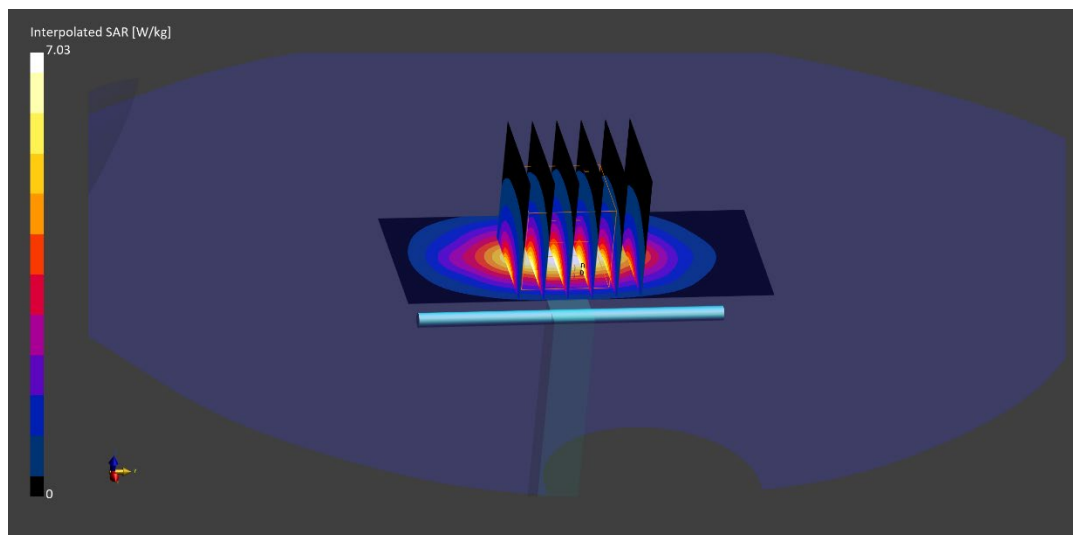
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.03 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.11 W/kg

Deviation (1 g) = 4.23%; Deviation (10 g) = 5.50%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1148

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

Medium: 1750 Body; Medium parameters used:

f = 1750.0 MHz; cond = 1.53 S/m; perm = 51.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 22.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7406; ConvF:(8.06,8.06,8.06); Calibrated: 2022-07-18

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

Electronics: DAE4 Sn1677; Calibrated: 2022-07-18

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

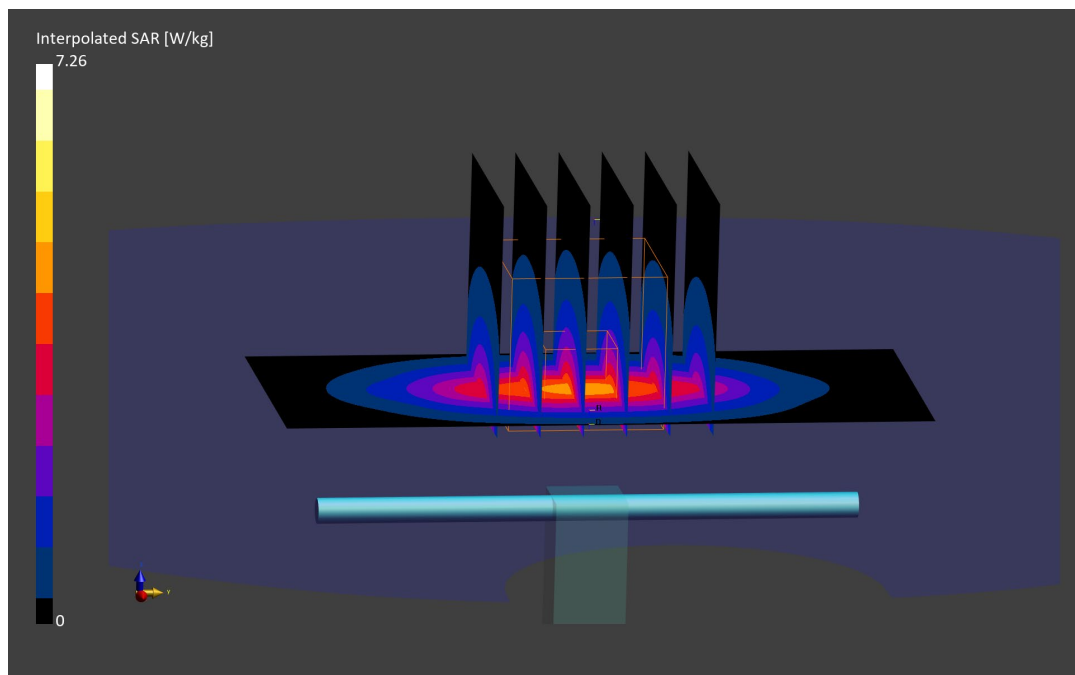
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.26 W/kg

SAR(1 g) = 3.70 W/kg; SAR(10 g) = 1.94 W/kg

Deviation (1 g) = -0.27%; Deviation (10 g) = -1.02%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1765V2 - SN1008

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

Medium: 1750 Body; Medium parameters used:

f = 1750.0 MHz; cond = 1.53 S/m; perm = 51.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/26/2022; Ambient Temp: 22.7°C; Tissue Temp: 18.9°C

Probe: EX3DV4 - SN7406; ConvF:(8.06,8.06,8.06); Calibrated: 2022-07-18

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

Electronics: DAE4 Sn1677; Calibrated: 2022-07-18

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

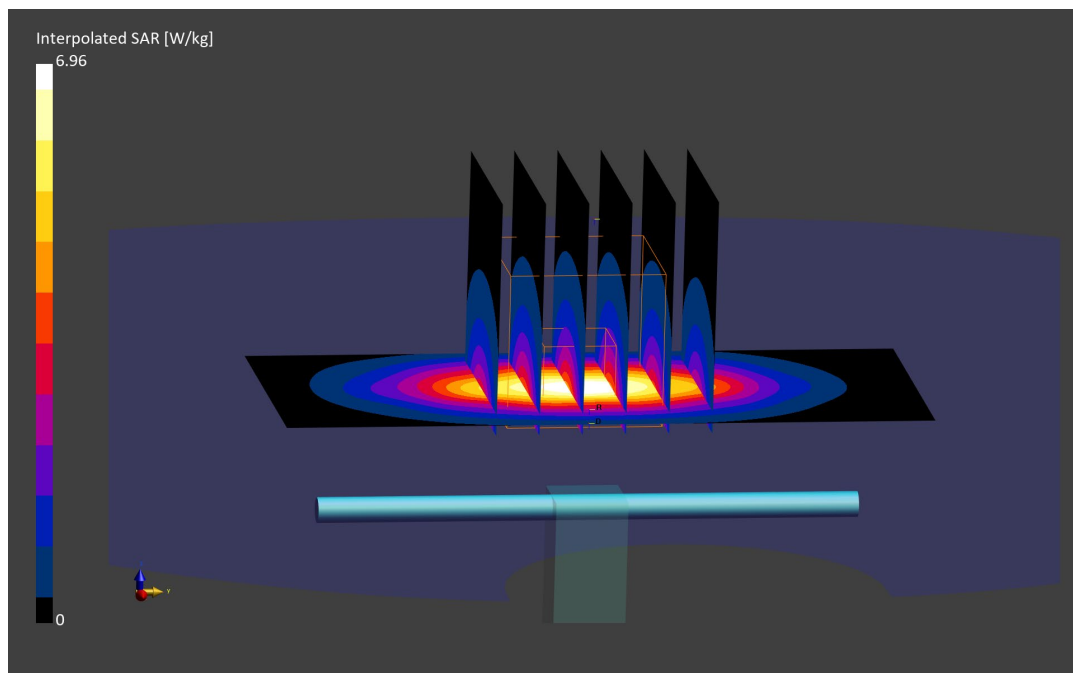
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 6.96 W/kg

SAR(1 g) = 3.52 W/kg; SAR(10 g) = 1.83 W/kg

Deviation (1 g) = -6.88%; Deviation (10 g) = -8.04%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1148

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

Medium: 1750 Body; Medium parameters used:

f = 1750.0 MHz; cond = 1.51 S/m; perm = 51.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 11/02/2022; Ambient Temp: 22.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7571; ConvF:(8.0,8.0,8.0); Calibrated: 2021-12-10

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

Electronics: DAE4 Sn859; Calibrated: 2021-12-08

Phantom: Twin-SAM V5.0; Serial: 1646

Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

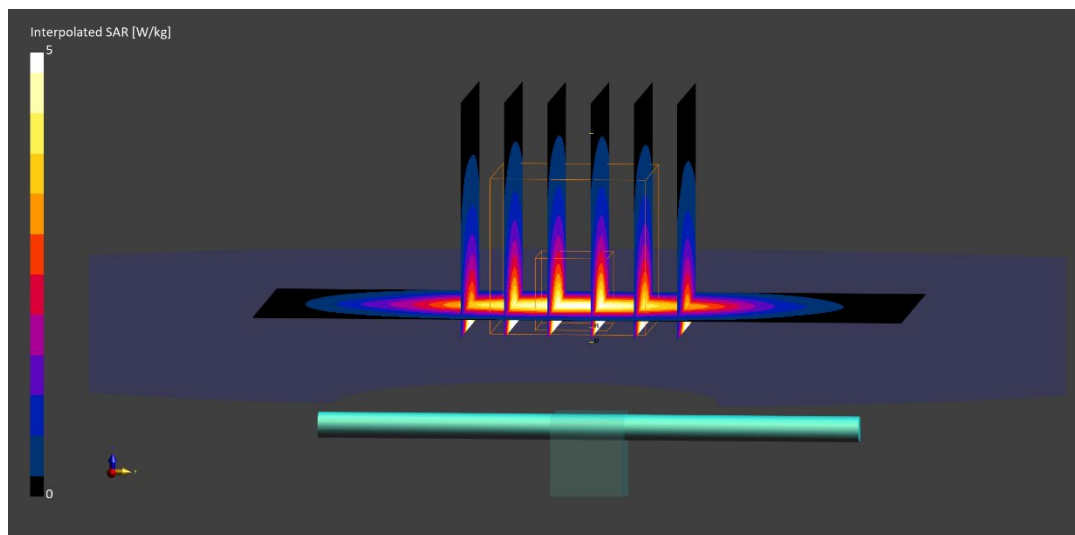
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 6.93 W/kg

SAR(1 g) = 3.82 W/kg; SAR(10 g) = 2.03 W/kg

Deviation (1 g) = 2.96%; Deviation (10 g) = 3.57%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d080

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1900.0 MHz; cond = 1.57 S/m; perm = 51.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/21/2022; Ambient Temp: 24.1°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

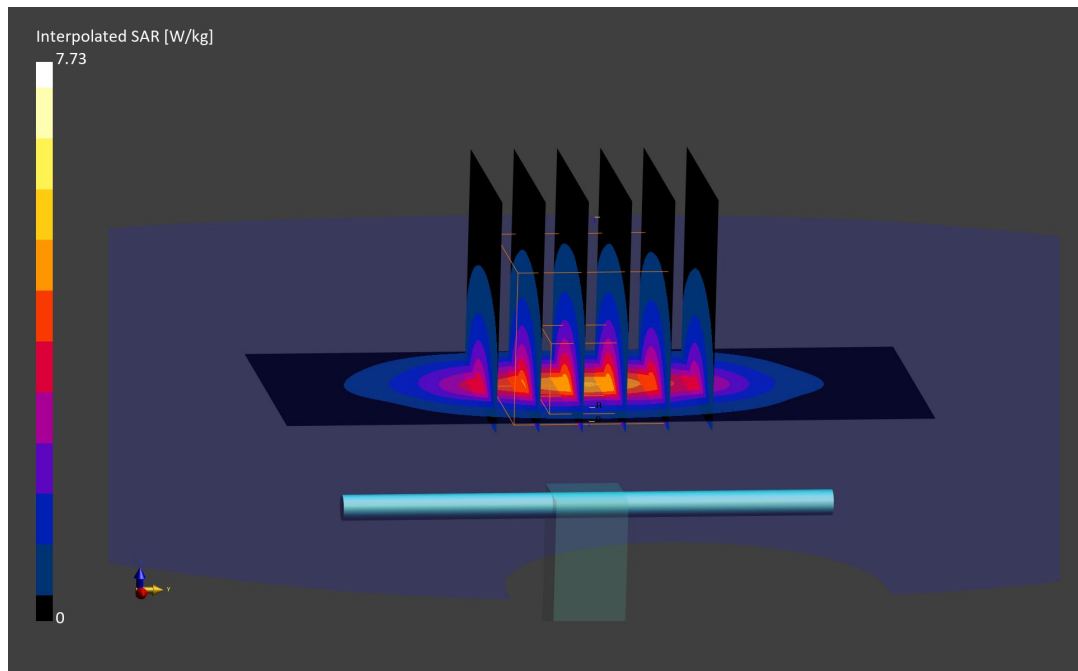
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.73 W/kg

SAR(1 g) = 4.12 W/kg; SAR(10 g) = 2.13 W/kg

Deviation (1 g) = 1.23%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

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

Medium: 1900 Body; Medium parameters used:

f = 1900.0 MHz; cond = 1.56 S/m; perm = 51.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/11/2022; Ambient Temp: 21.2°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19

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

Electronics: DAE4 Sn1558; Calibrated: 2022-01-14

Phantom: Twin-SAM V8.0; Serial: 20063

Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

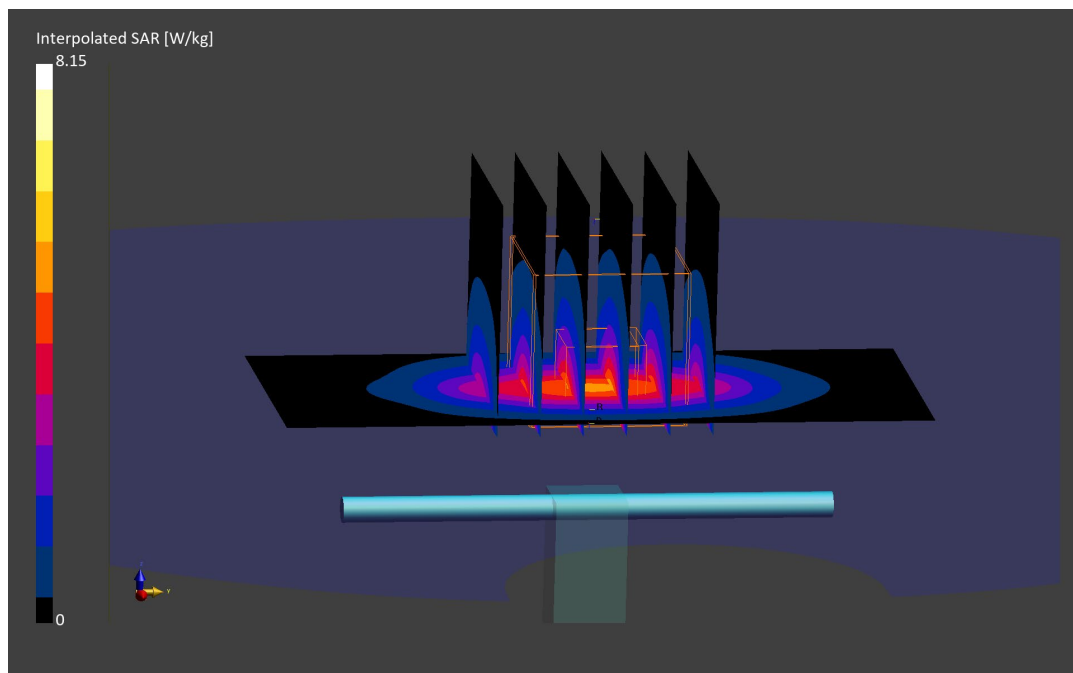
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 8.15 W/kg

SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.14 W/kg

Deviation (1 g) = 2.48%; Deviation (10 g) = 1.42%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d148

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
 Medium: 1900 Body; Medium parameters used:
 $f = 1900.0$ MHz; $\text{cond} = 1.57$ S/m; $\text{perm} = 50.7$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/19/2022; Ambient Temp: 20.3°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7417; ConvF:(7.92,7.92,7.92); Calibrated: 2022-02-22
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn665; Calibrated: 2022-02-22
 Phantom: Twin-SAM V8.0; Serial: 2060
 Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

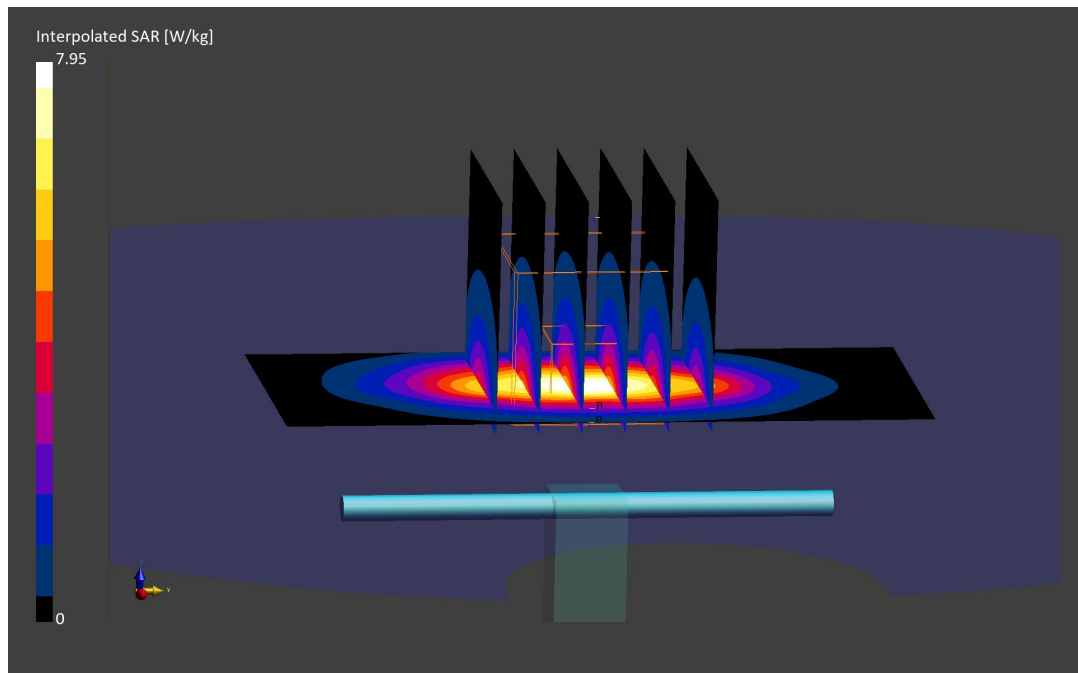
Area Scan (40.0 x 90.0): Measurement grid: $\text{dx}=10.0$ mm, $\text{dy}=15.0$ mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: $\text{dx}=6.0$ mm, $\text{dy}=6.0$ mm, $\text{dz}=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 7.95 W/kg

SAR(1 g) = 4.19 W/kg; SAR(10 g) = 2.13 W/kg

Deviation (1 g) = 5.01%; Deviation (10 g) = 1.91%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
 Medium: 1900 Body; Medium parameters used:
 $f = 1900.0$ MHz; $\text{cond} = 1.50$ S/m; $\text{perm} = 50.7$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
 Phantom: Twin-SAM V8.0; Serial: 20063
 Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

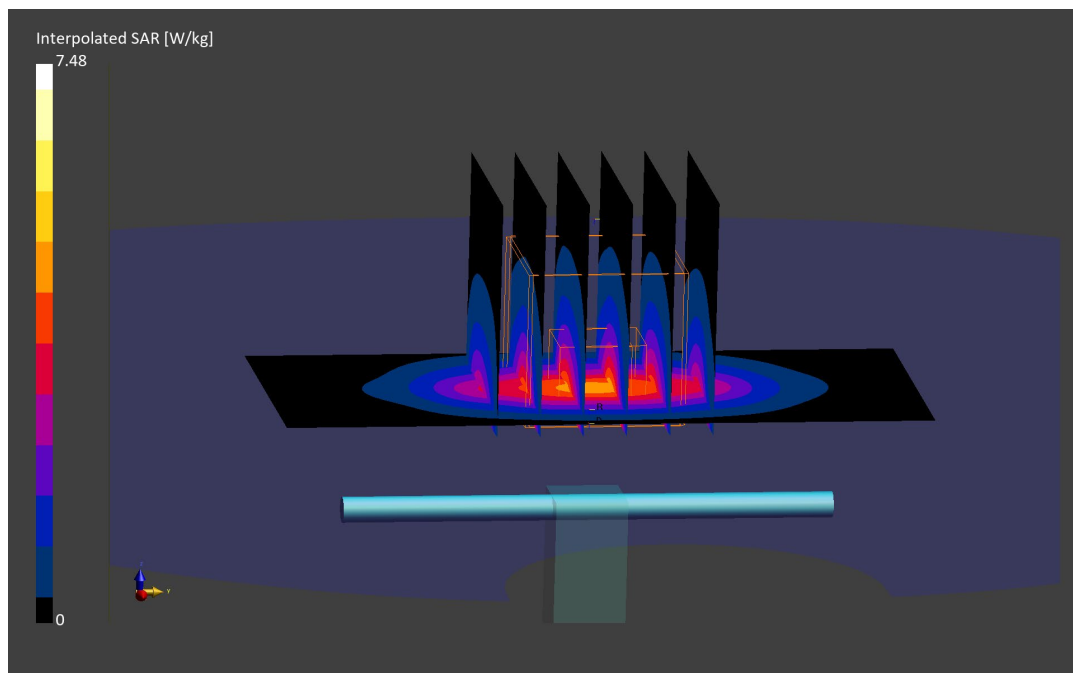
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 7.48 W/kg

SAR(1 g) = 3.86 W/kg; SAR(10 g) = 2.00 W/kg

Deviation (1 g) = -4.46%; Deviation (10 g) = -5.21%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1900.0 MHz; cond = 1.50 S/m; perm = 52.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/26/2022; Ambient Temp: 22.4°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
Phantom: Twin-SAM V8.0; Serial: 20063
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

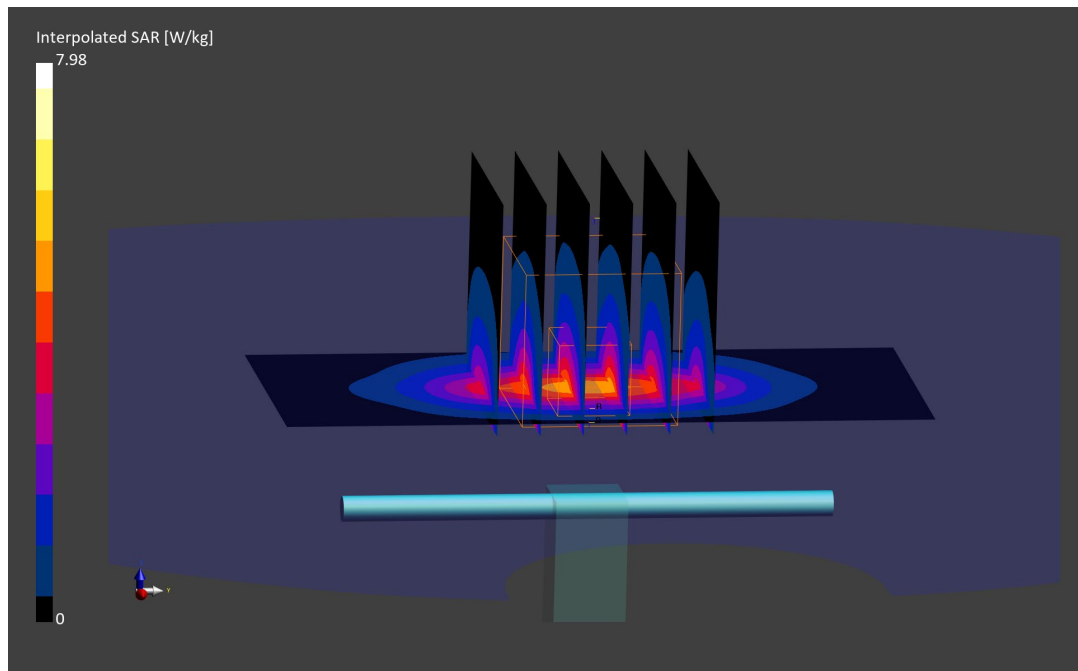
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.97 W/kg

SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.17 W/kg

Deviation (1 g) = 2.72%; Deviation (10 g) = 2.84%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d080

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
 Medium: 1900 Body; Medium parameters used:
 $f = 1900.0$ MHz; $\text{cond} = 1.53$ S/m; $\text{perm} = 51.8$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/28/2022; Ambient Temp: 22.2°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1558; Calibrated: 2022-01-14
 Phantom: Twin-SAM V8.0; Serial: 20063
 Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

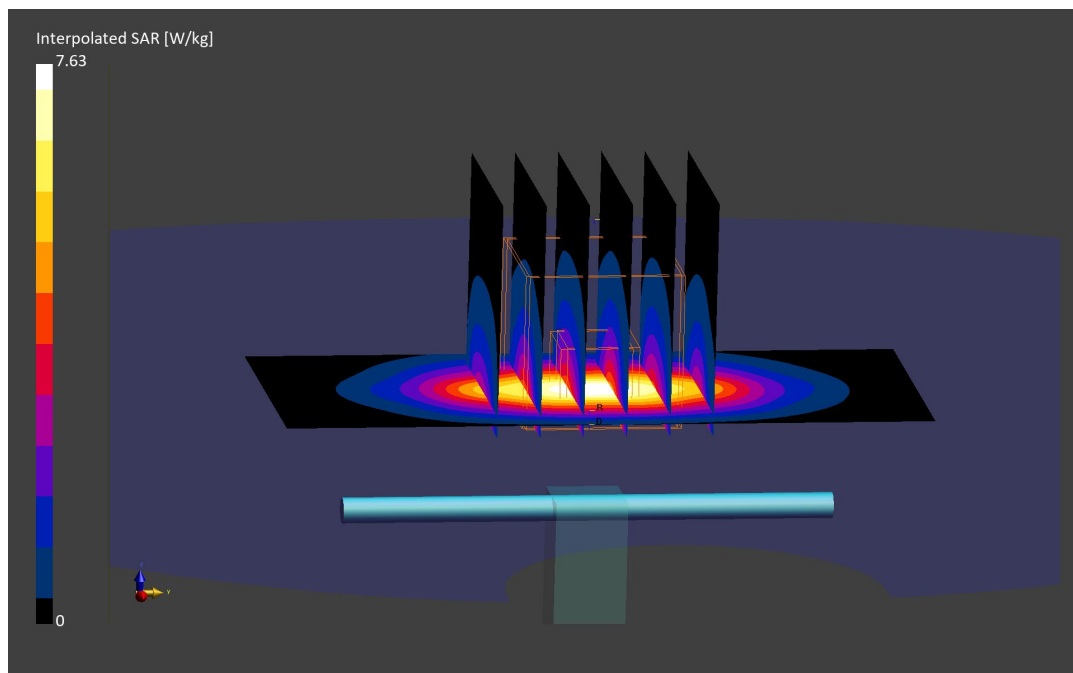
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 7.63 W/kg

SAR(1 g) = 3.84 W/kg; SAR(10 g) = 2.00 W/kg

Deviation (1 g) = -5.65%; Deviation (10 g) = -6.10%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

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

Medium: 1900 Body; Medium parameters used:

f = 1900.0 MHz; cond = 1.54 S/m; perm = 51.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 11/04/2022; Ambient Temp: 22.7°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7570; ConvF:(8.19,8.19,8.19); Calibrated: 2022-01-19

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

Electronics: DAE4 Sn1558; Calibrated: 2022-01-14

Phantom: Twin-SAM V8.0; Serial: 20063

Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

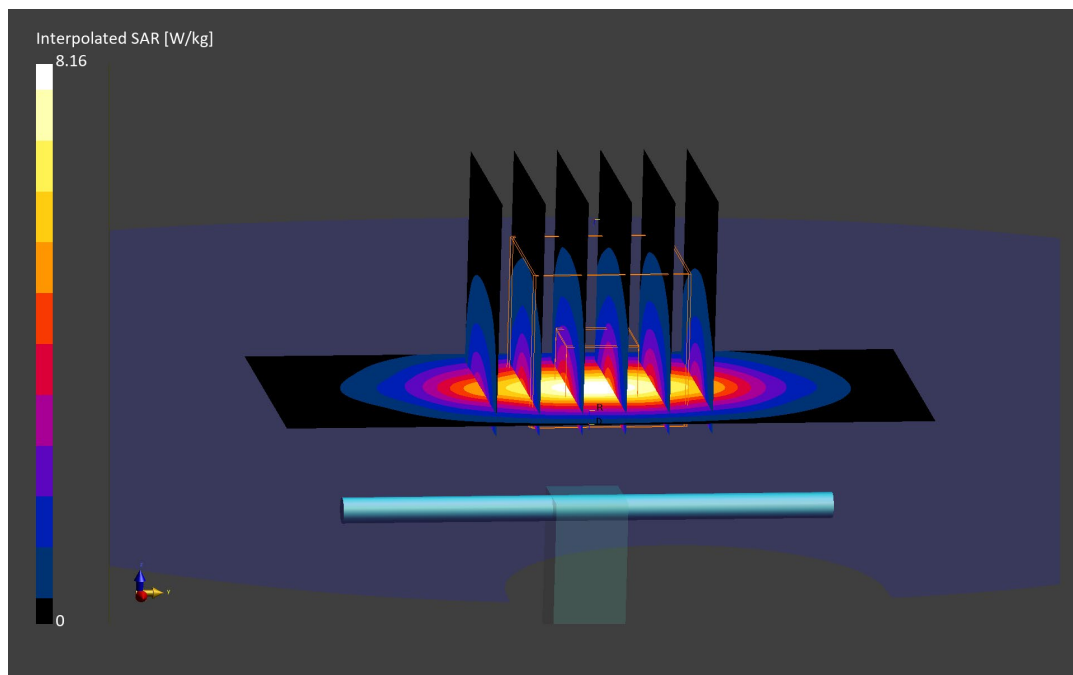
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 8.25 W/kg

SAR(1 g) = 4.21 W/kg; SAR(10 g) = 2.18 W/kg

Deviation (1 g) = 4.21%; Deviation (10 g) = 3.32%



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1073

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
 Medium: 2450 Body; Medium parameters used:
 $f = 2300.0$ MHz; $\text{cond} = 1.85$ S/m; $\text{perm} = 52.6$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 09/28/2022; Ambient Temp: 22.9°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7668; ConvF:(7.72,7.72,7.72); Calibrated: 2022-08-23
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
 Phantom: Twin-SAM V8.0; Serial: 2056
 Measurement SW: DASY Module SAR V16.2.0.1425

2300 MHz System Verification at 20 dBm (100 mW)

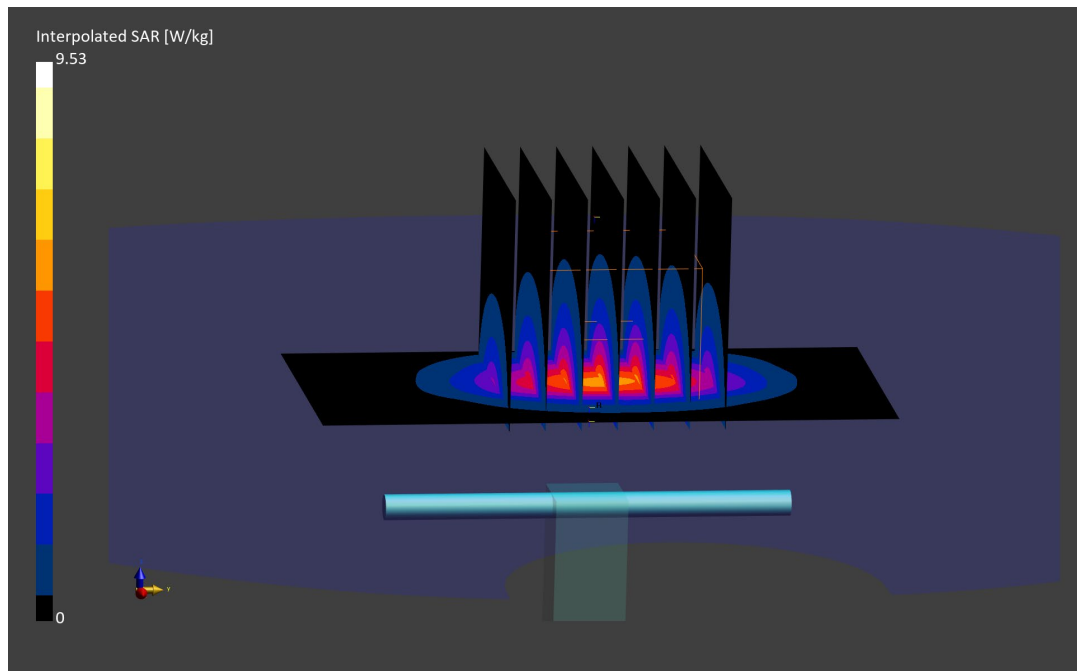
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 9.53 W/kg

SAR(1 g) = 4.76 W/kg; SAR(10 g) = 2.29 W/kg

Deviation (1 g) = -1.04%; Deviation (10 g) = -2.97%



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1073

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2300.0 MHz; cond = 1.83 S/m; perm = 51.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/03/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7668; ConvF:(7.72,7.72,7.72); Calibrated: 2022-08-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

2300 MHz System Verification at 20 dBm (100 mW)

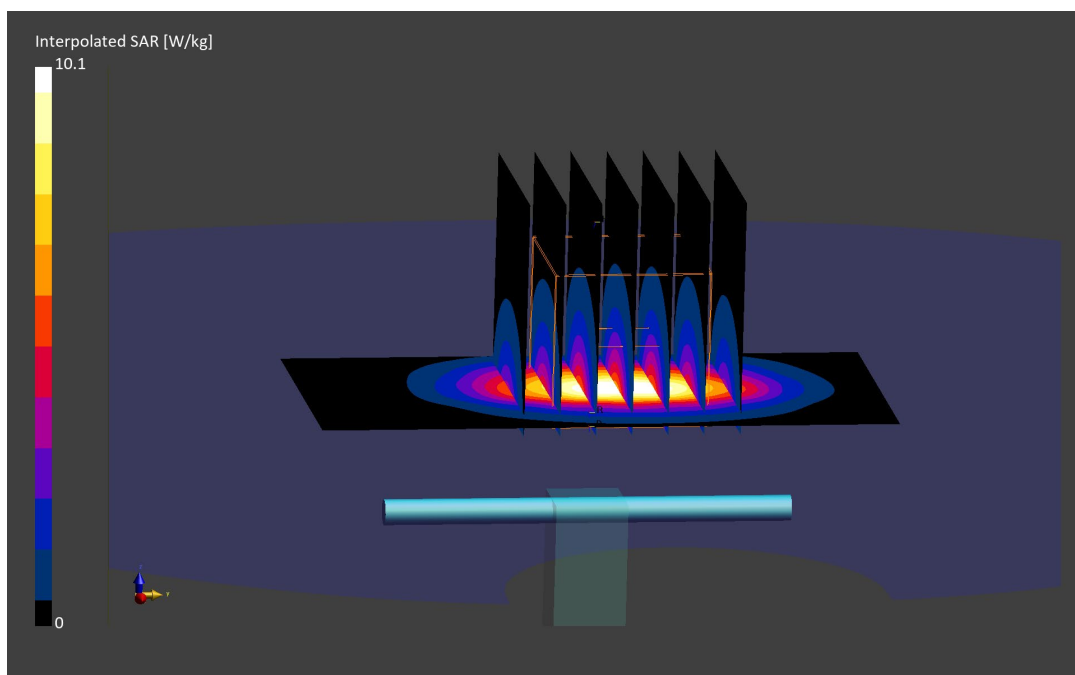
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 10.1 W/kg

SAR(1 g) = 4.92 W/kg; SAR(10 g) = 2.36 W/kg

Deviation (1 g) = 2.29%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1073

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2300.0 MHz; cond = 1.84 S/m; perm = 51.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/05/2022; Ambient Temp: 22.3°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7668; ConvF:(7.72,7.72,7.72); Calibrated: 2022-08-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

2300 MHz System Verification at 20 dBm (100 mW)

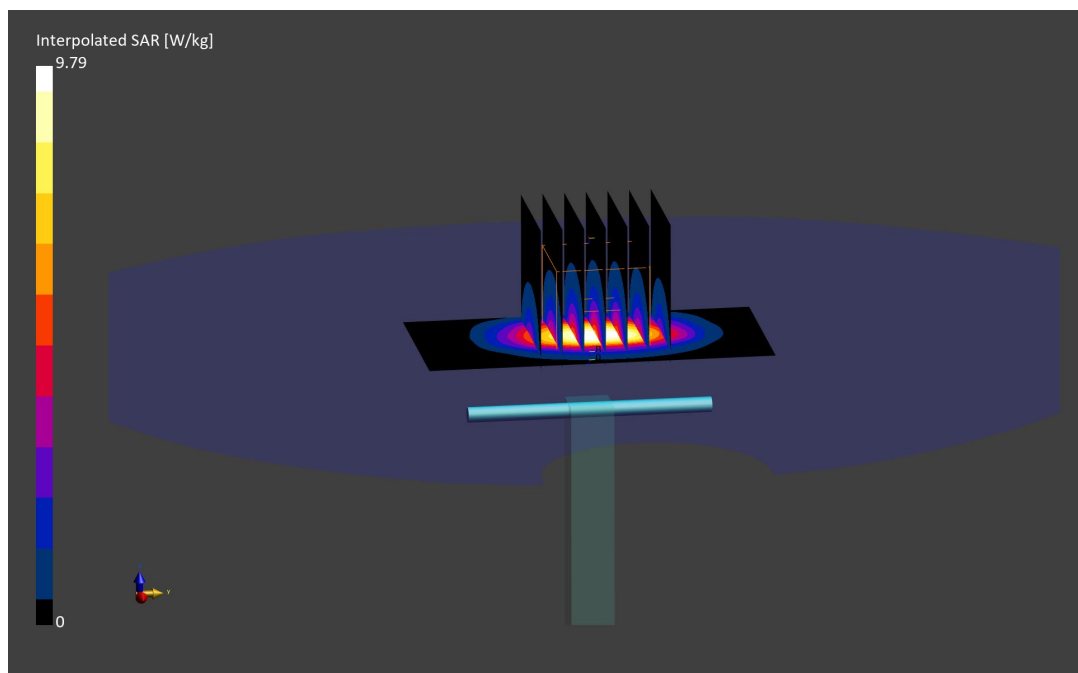
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 9.79 W/kg

SAR(1 g) = 4.84 W/kg; SAR(10 g) = 2.32 W/kg

Deviation (1 g) = 0.62%; Deviation (10 g) = -1.69%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

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

Medium: 2450 Body; Medium parameters used:

f = 2450.0 MHz; cond = 1.95 S/m; perm = 53.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/03/2022; Ambient Temp: 23.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7659; ConvF:(8.81,8.81,8.81); Calibrated: 2022-04-20

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

Electronics: DAE4 Sn1407; Calibrated: 2022-04-13

Phantom: Twin-SAM V5.0; Serial: 1873

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

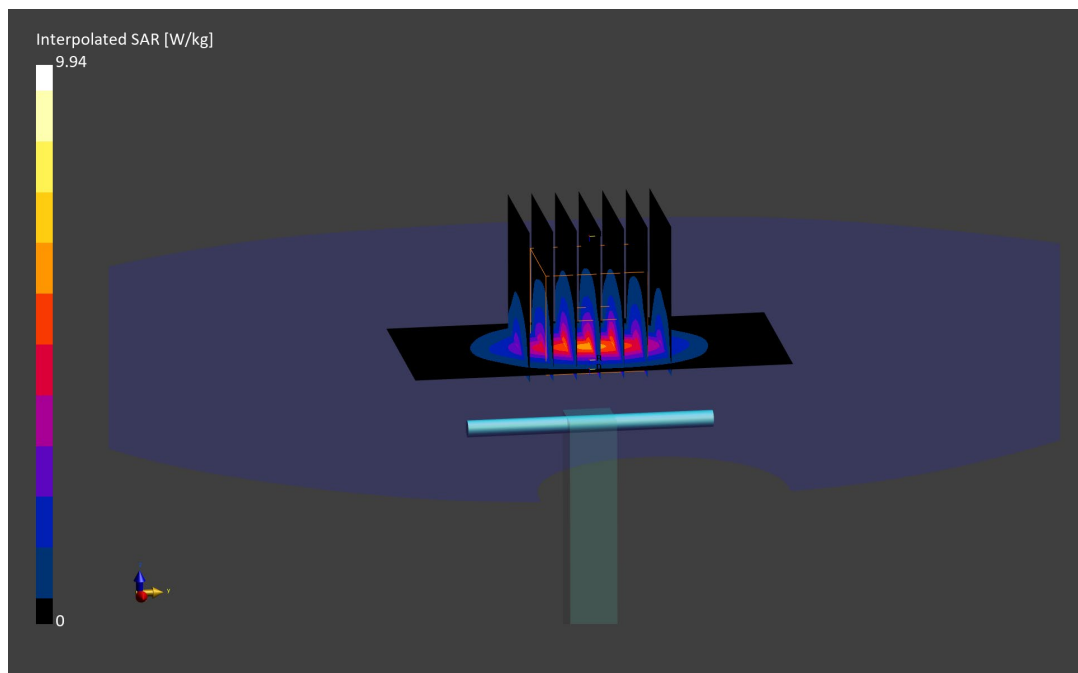
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 9.94 W/kg

SAR(1 g) = 4.79 W/kg; SAR(10 g) = 2.24 W/kg

Deviation (1 g) = -4.77%; Deviation (10 g) = -5.49%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN945

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

Medium: 2450 Body; Medium parameters used:

$f = 2450.0$ MHz; $\text{cond} = 1.94$ S/m; $\text{perm} = 51.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/04/2022; Ambient Temp: 21.1°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7565; ConvF:(6.97,6.97,6.97); Calibrated: 2021-11-15

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

Electronics: DAE4 Sn1466; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1934

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

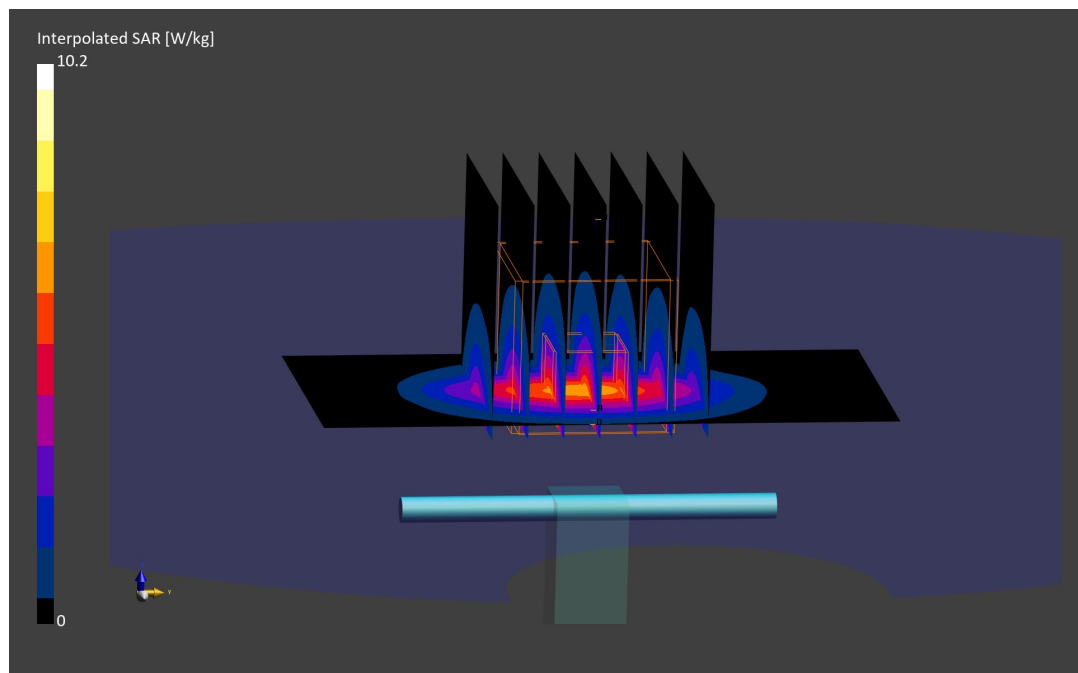
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 5.18 W/kg; SAR(10 g) = 2.43 W/kg

Deviation (1 g) = 4.44%; Deviation (10 g) = 3.85%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2450.0 MHz; cond = 1.97 S/m; perm = 52.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/10/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7659; ConvF:(8.81,8.81,8.81); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

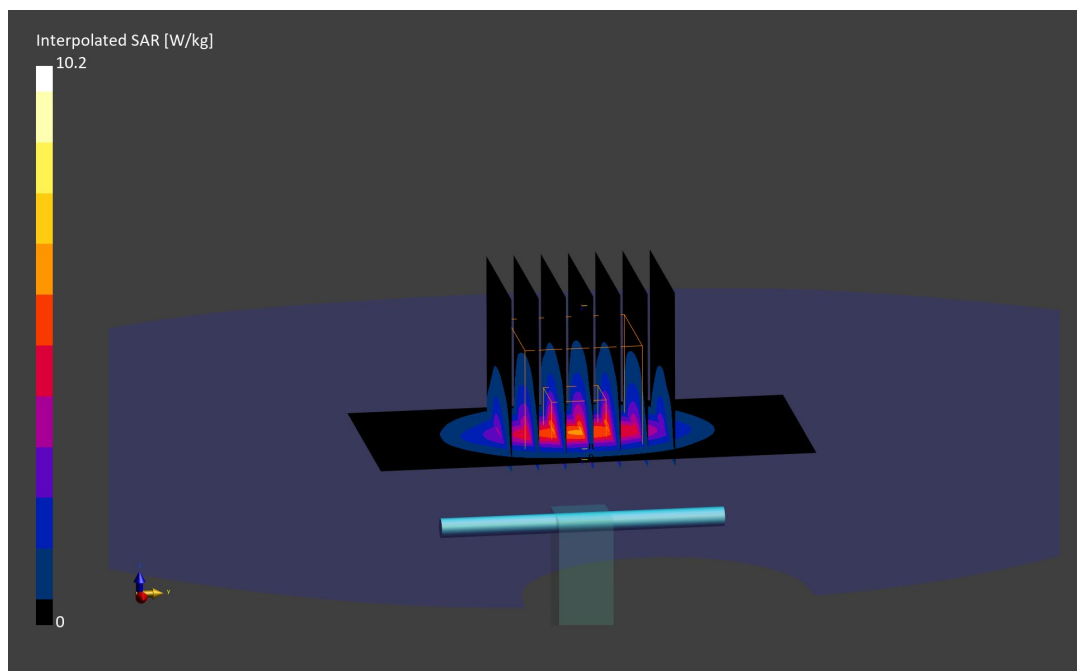
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 10.2 W/kg

SAR(1 g) = 4.91 W/kg; SAR(10 g) = 2.30 W/kg

Deviation (1 g) = -2.39%; Deviation (10 g) = -2.95%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

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

Medium: 2450 Body; Medium parameters used:

$f = 2450.0$ MHz; $\text{cond} = 2.03$ S/m; $\text{perm} = 51.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/19/2022; Ambient Temp: 21.2°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7668; ConvF:(7.59,7.59,7.59); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

Phantom: Twin-SAM V8.0; Serial: 2056

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

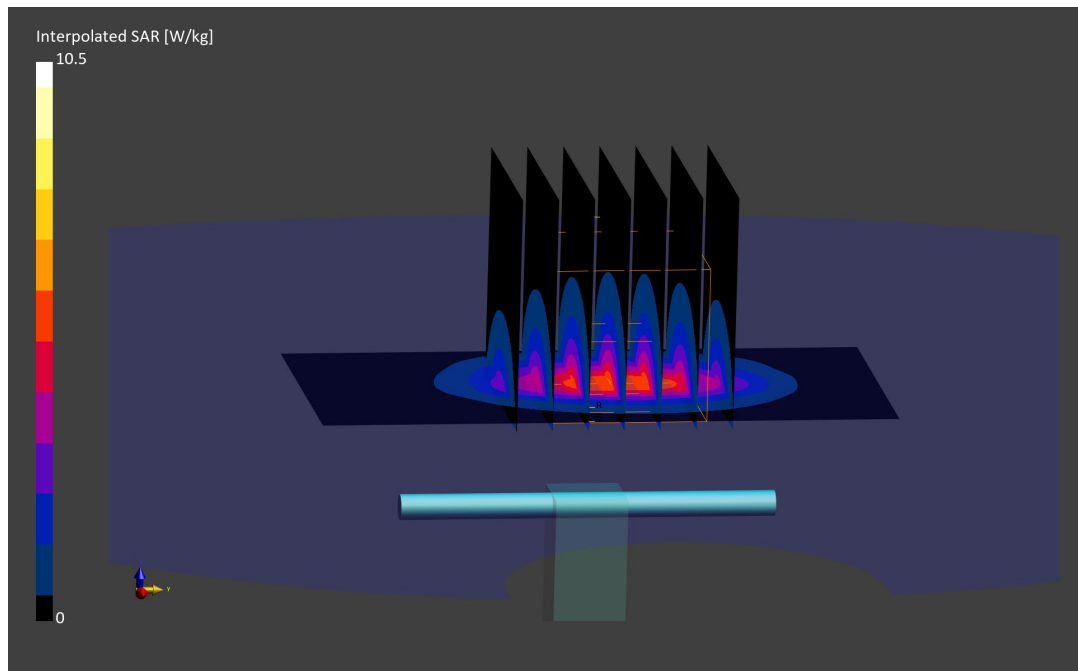
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 10.5 W/kg

SAR(1 g) = 4.87 W/kg; SAR(10 g) = 2.24 W/kg

Deviation (1 g) = -3.18%; Deviation (10 g) = -5.49%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

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

Medium: 2450 Body; Medium parameters used:

f = 2450.0 MHz; cond = 2.04 S/m; perm = 50.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 21.2°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7668; ConvF:(7.59,7.59,7.59); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

Phantom: Twin-SAM V8.0; Serial: 2056

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

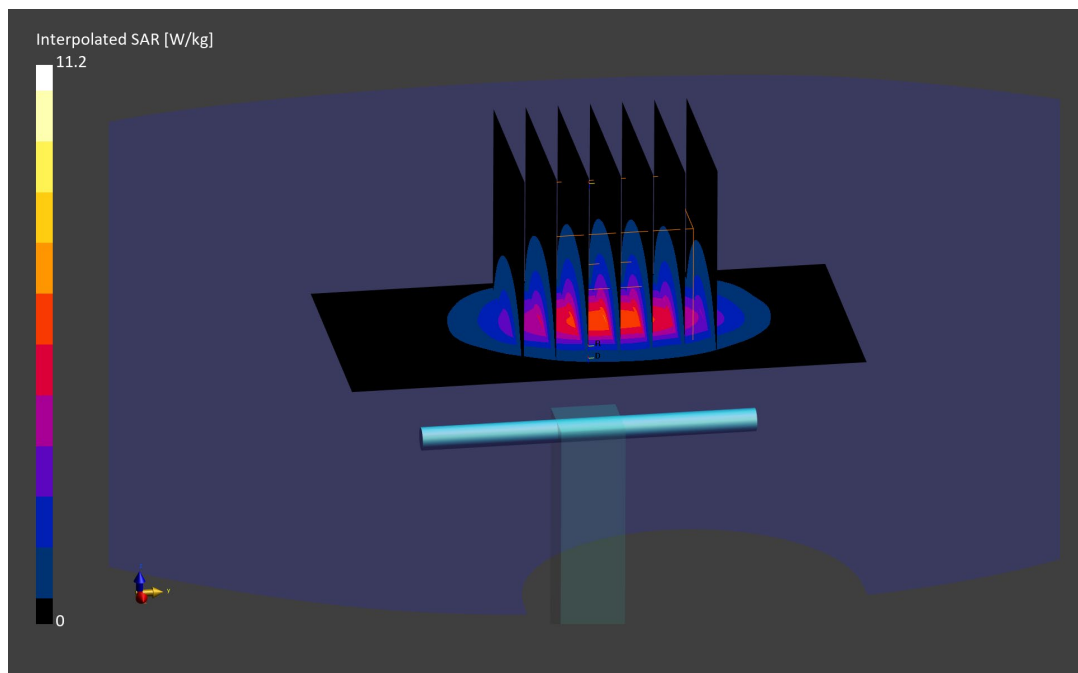
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.13 W/kg; SAR(10 g) = 2.37 W/kg

Deviation (1 g) = 1.99%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

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

Medium: 2450 Body; Medium parameters used:

f = 2450.0 MHz; cond = 2.03 S/m; perm = 50.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/27/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7668; ConvF:(7.59,7.59,7.59); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

Phantom: Twin-SAM V8.0; Serial: 2056

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

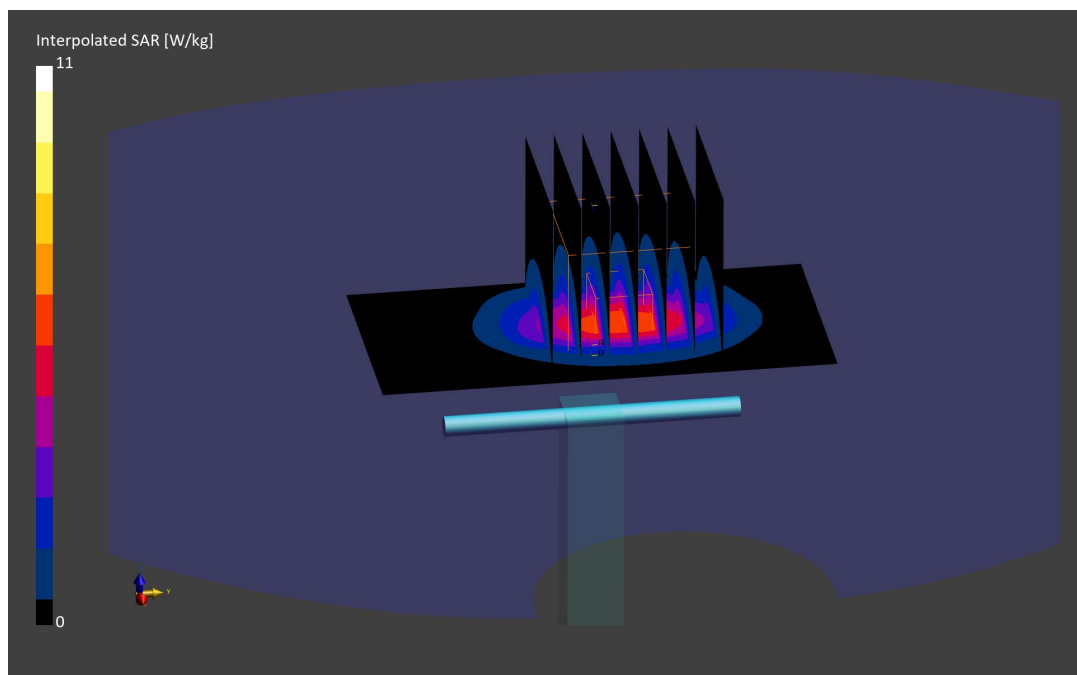
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 5.14 W/kg; SAR(10 g) = 2.37 W/kg

Deviation (1 g) = 2.19%; Deviation (10 g) = -1.27%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN719

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

Medium: 2450 Body; Medium parameters used:

f = 2450.0 MHz; cond = 2.02 S/m; perm = 50.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/31/2022; Ambient Temp: 21.6°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7668; ConvF:(7.59,7.59,7.59); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

Phantom: Twin-SAM V8.0; Serial: 2056

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

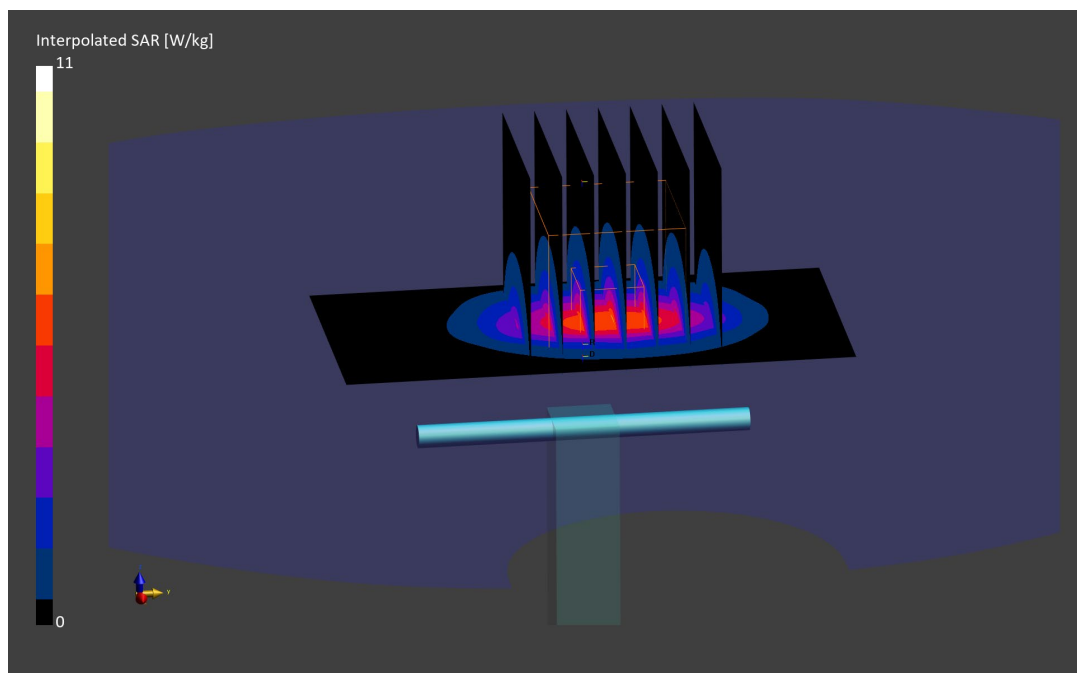
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 5.08 W/kg; SAR(10 g) = 2.33 W/kg

Deviation (1 g) = -2.31%; Deviation (10 g) = -5.67%



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1004

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2600.0 MHz; cond = 2.10 S/m; perm = 52.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/03/2022; Ambient Temp: 23.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7659; ConvF:(8.42,8.42,8.42); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

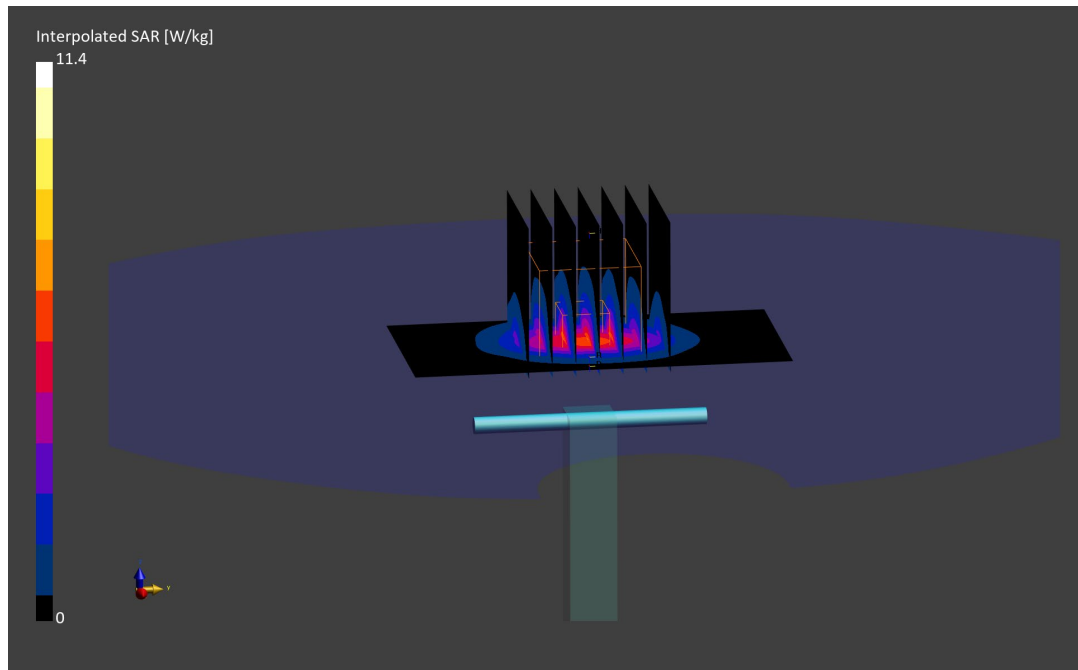
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.41 W/kg

Deviation (1 g) = -3.97%; Deviation (10 g) = -2.82%



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1004

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2600.0 MHz; cond = 2.11 S/m; perm = 52.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/10/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7659; ConvF:(8.42,8.42,8.42); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

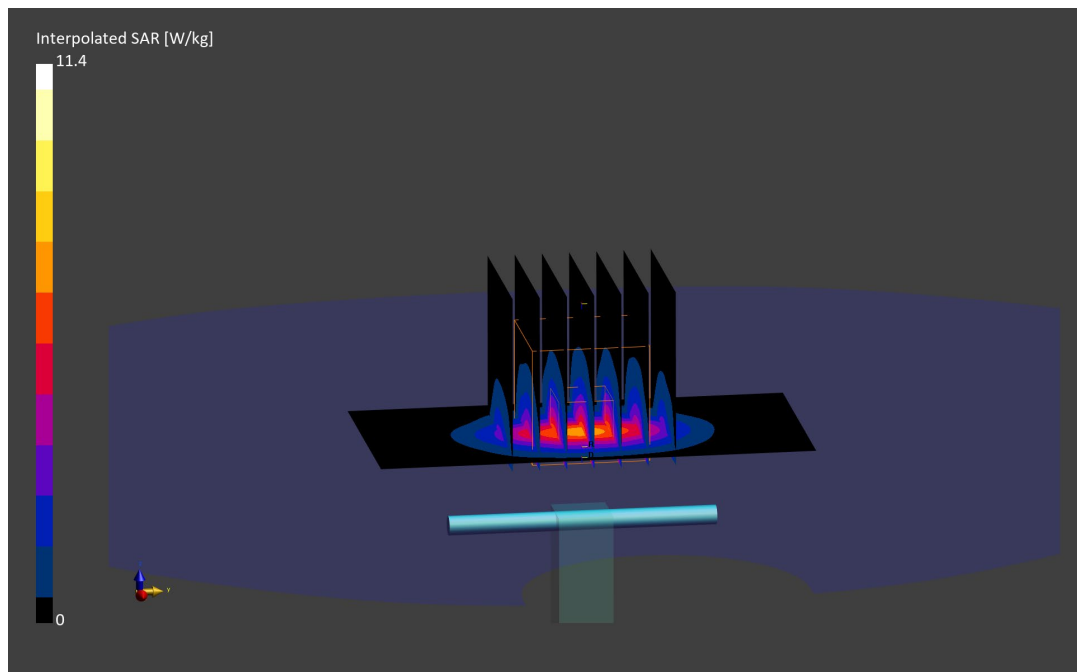
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.39 W/kg; SAR(10 g) = 2.45 W/kg

Deviation (1 g) = -2.71%; Deviation (10 g) = -1.21%



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1004

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 = 51.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/19/2022; Ambient Temp: 21.2°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7668; ConvF:(7.25,7.25,7.25); Calibrated: 2022-08-23

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

Electronics: DAE4 Sn1680; Calibrated: 2022-08-15

Phantom: Twin-SAM V8.0; Serial: 2056

Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

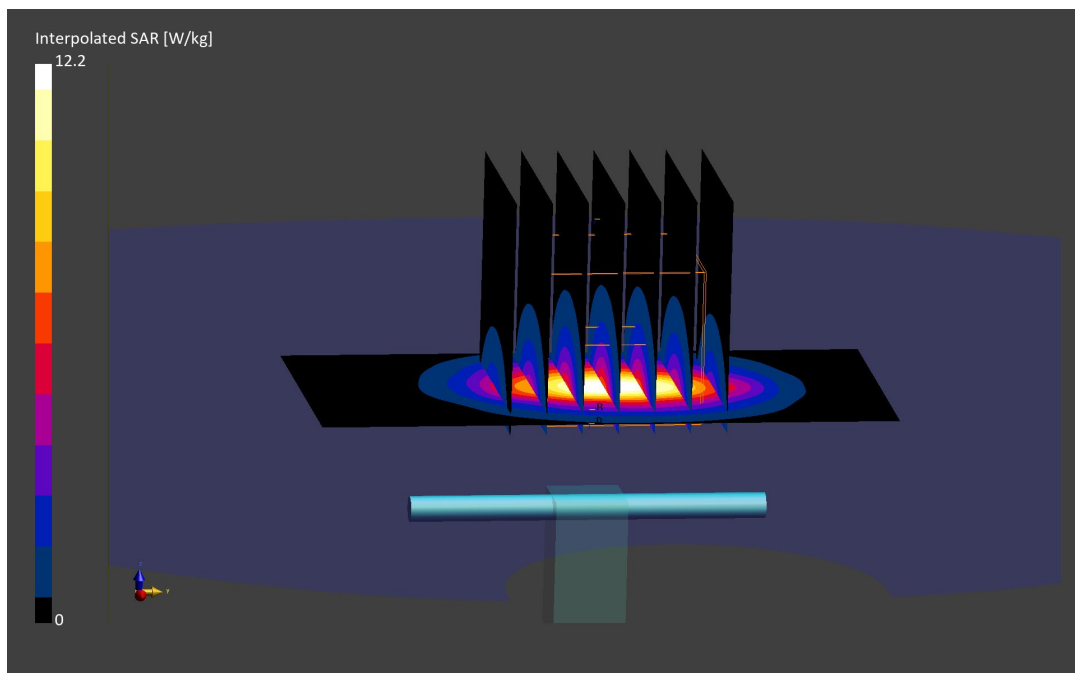
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 12.2 W/kg

SAR(1 g) = 5.42 W/kg; SAR(10 g) = 2.41 W/kg

Deviation (1 g) = -2.17%; Deviation (10 g) = -2.82%



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1004

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2600.0 MHz; cond = 2.23 S/m; perm = 50.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 21.2°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7668; ConvF:(7.25,7.25,7.25); Calibrated: 2022-08-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

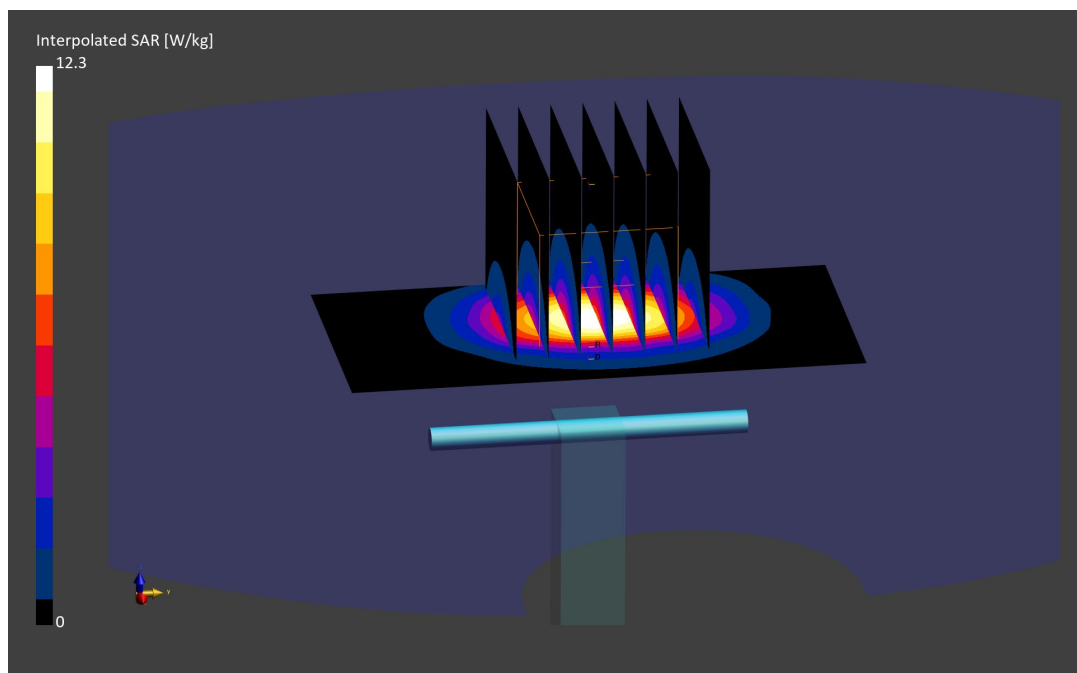
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 5.69 W/kg; SAR(10 g) = 2.53 W/kg

Deviation (1 g) = 2.71%; Deviation (10 g) = 2.02%



ELEMENT

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: SN1009

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

Medium: 2450 Body Medium parameters used:

$f = 2600$ MHz; $\sigma = 2.075$ S/m; $\epsilon_r = 50.566$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/25/2022; Ambient Temp: 18.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7402; ConvF(7.88, 7.88, 7.88) @ 2600 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

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

2600 MHz System Verification at 20.0 dBm (100 mW)

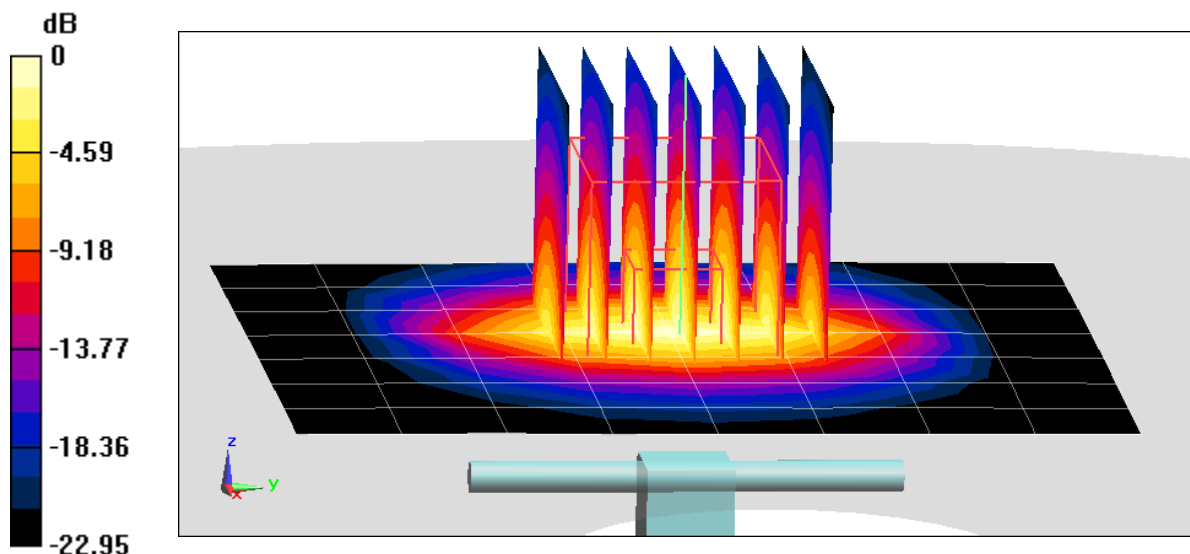
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.14 W/kg; SAR(10 g) = 2.31 W/kg

Deviation(1 g) = -5.17%; Deviation(10 g) = -4.94%



0 dB = 8.80 W/kg = 9.44 dBW/kg

ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1004

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 = 50.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/27/2022; Ambient Temp: 20.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7668; ConvF:(7.25,7.25,7.25); Calibrated: 2022-08-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1680; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

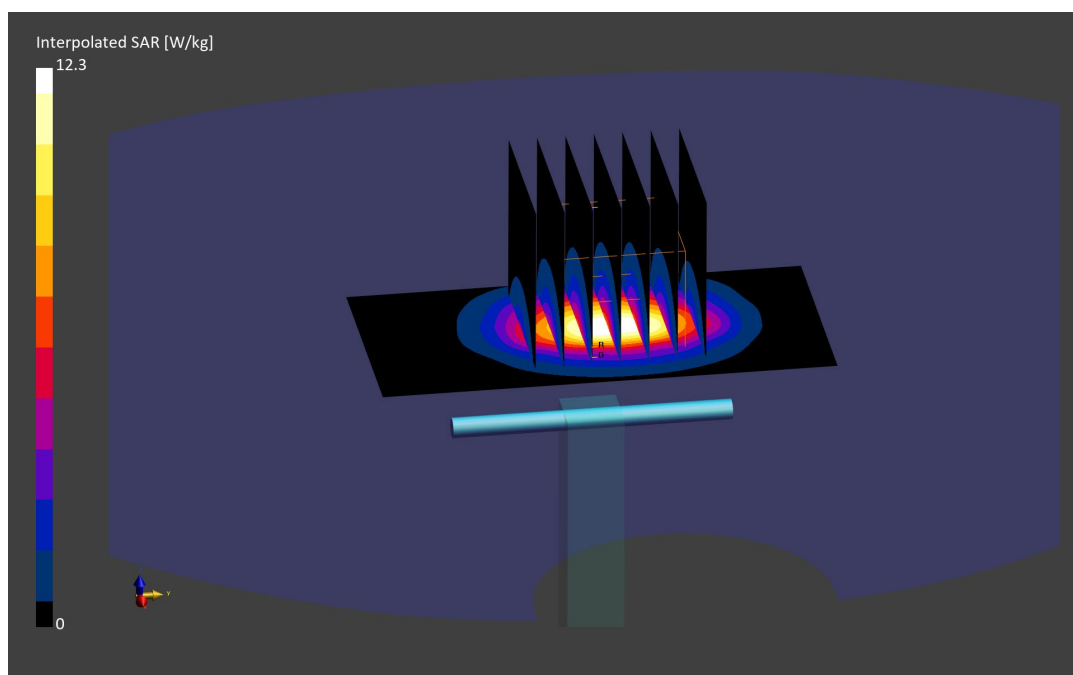
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 12.3 W/kg

SAR(1 g) = 5.65 W/kg; SAR(10 g) = 2.51 W/kg

Deviation (1 g) = 1.99%; Deviation (10 g) = 1.21%



ELEMENT

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: SN1009

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

Medium: 2450 Body Medium parameters used:

$f = 2600$ MHz; $\sigma = 2.087$ S/m; $\epsilon_r = 50.118$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 10/27/2022; Ambient Temp: 19.1°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7402; ConvF(7.88, 7.88, 7.88) @ 2600 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

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

2600 MHz System Verification at 20.0 dBm (100 mW)

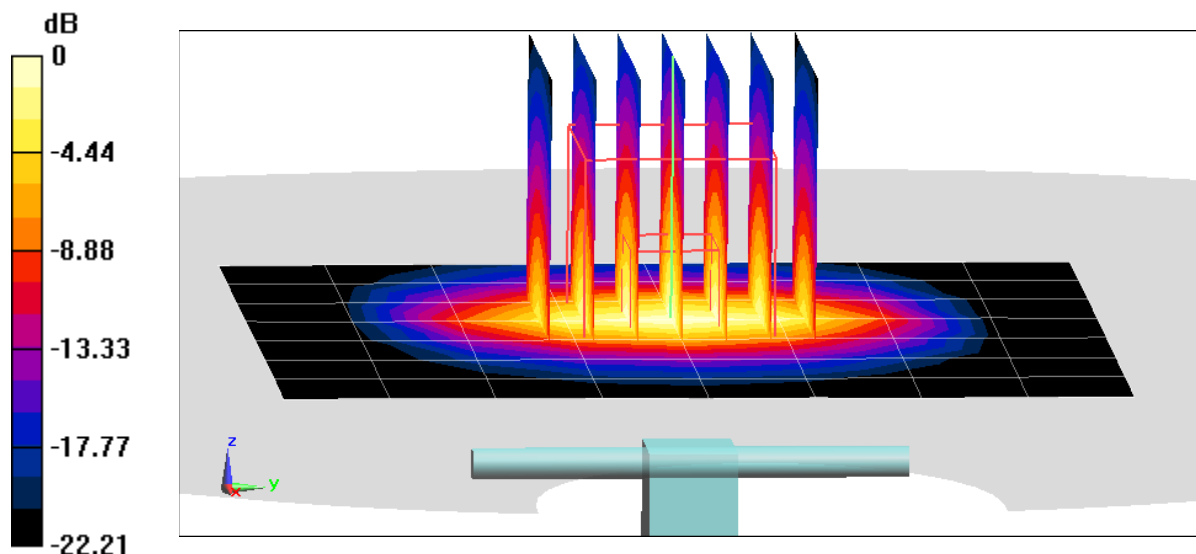
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 10.7 W/kg

SAR(1 g) = 5.05 W/kg; SAR(10 g) = 2.28 W/kg

Deviation(1 g) = -6.83%; Deviation(10 g) = -6.17%



0 dB = 8.59 W/kg = 9.34 dBW/kg

ELEMENT

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: SN1009

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

Medium: 2450 Body Medium parameters used:

$f = 2600$ MHz; $\sigma = 2.074$ S/m; $\epsilon_r = 53.045$; $\rho = 1000$ kg/m³

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 11/02/2022; Ambient Temp: 19.6°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7402; ConvF(7.88, 7.88, 7.88) @ 2600 MHz; Calibrated: 6/9/2022

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

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

2600 MHz System Verification at 20.0 dBm (100 mW)

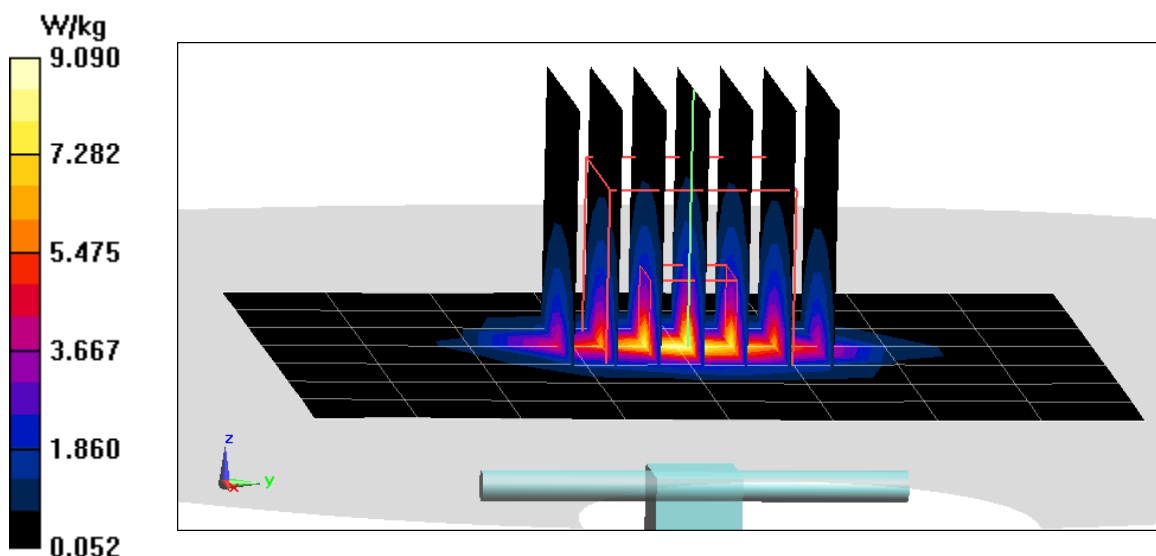
Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm

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

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 5.2 W/kg; SAR(10 g) = 2.36 W/kg

Deviation(1 g) = -4.06%; Deviation(10 g) = -2.88%



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1059

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3500.0 MHz; cond = 3.17 S/m; perm = 51.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/12/2022; Ambient Temp: 21.4°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7410; ConvF:(6.65,6.65,6.65); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

3500 MHz System Verification at 20 dBm (100 mW)

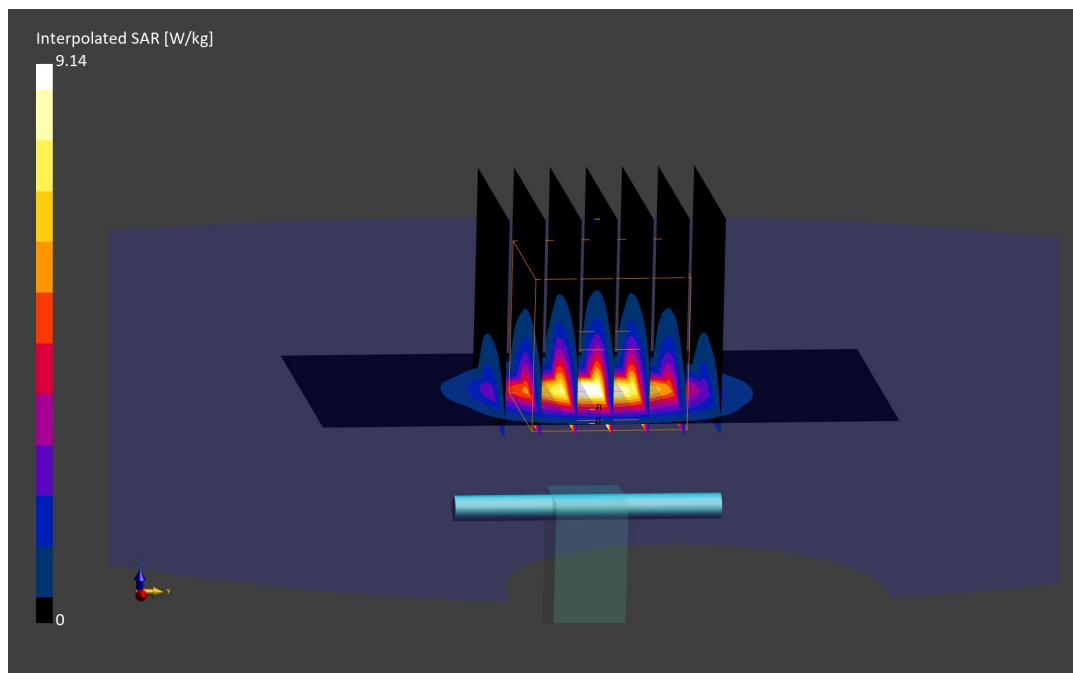
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 15.3 W/kg

SAR(1 g) = 6.39 W/kg; SAR(10 g) = 2.45 W/kg

Deviation (1 g) = 1.43%; Deviation (10 g) = 5.15%



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1055

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
 Medium: 3600 Body; Medium parameters used:
 $f = 3500.0$ MHz; $\text{cond} = 3.18$ S/m; $\text{perm} = 49.5$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/18/2022; Ambient Temp: 23.1°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7427; ConvF:(5.87,5.87,5.87); Calibrated: 2022-02-22
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1403; Calibrated: 2022-02-22
 Phantom: Twin-SAM V8.0; Serial: 1944
 Measurement SW: DASY Module SAR V16.2.0.1425

3500 MHz System Verification at 20 dBm (100 mW)

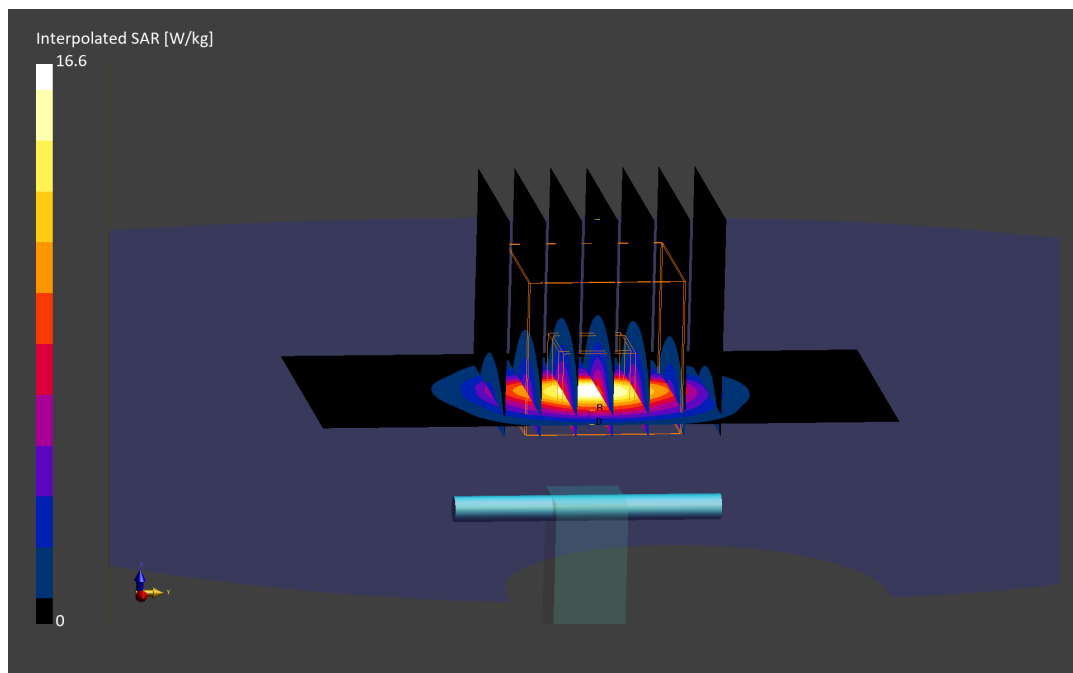
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 16.6 W/kg

SAR(1 g) = 6.76 W/kg; SAR(10 g) = 2.58 W/kg

Deviation (1 g) = 5.96%; Deviation (10 g) = 7.50%



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1055

Communication System: UID: 0, CW; Frequency: 3500.0 MHz

Medium: 3600 Body; Medium parameters used:

f = 3500.0 MHz; cond = 3.23 S/m; perm = 50.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/18/2022; Ambient Temp: 23.1°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3837; ConvF:(5.99,5.99,5.99); Calibrated: 2022-01-19

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

Electronics: DAE4 Sn793; Calibrated: 2022-01-13

Phantom: Twin-SAM V8.0; Serial: 2034

Measurement SW: DASY Module SAR V16.2.0.1425

3500 MHz System Verification at 20 dBm (100 mW)

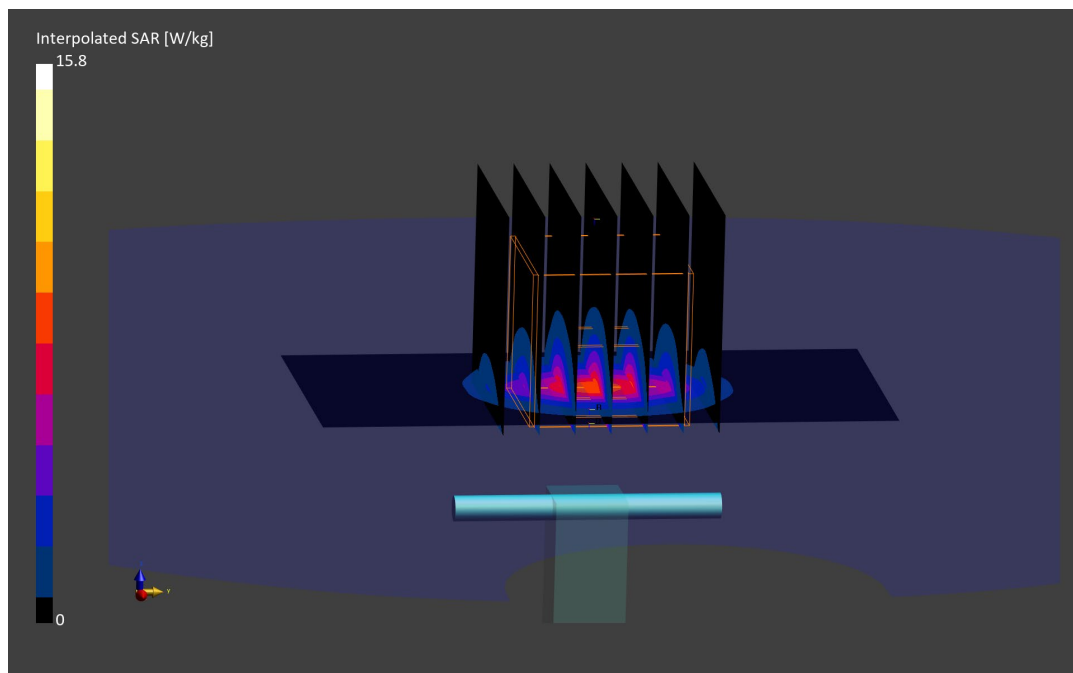
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 15.8 W/kg

SAR (1 g) = 6.54 W/kg; SAR (10 g) = 2.51 W/kg

Deviation (1 g) = 2.51%; Deviation (10 g) = 4.58%



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1126

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3500.0 MHz; cond = 3.16 S/m; perm = 49.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 11/07/2022; Ambient Temp: 21.8°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7427; ConvF:(5.87,5.87,5.87); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

3500 MHz System Verification at 20 dBm (100 mW)

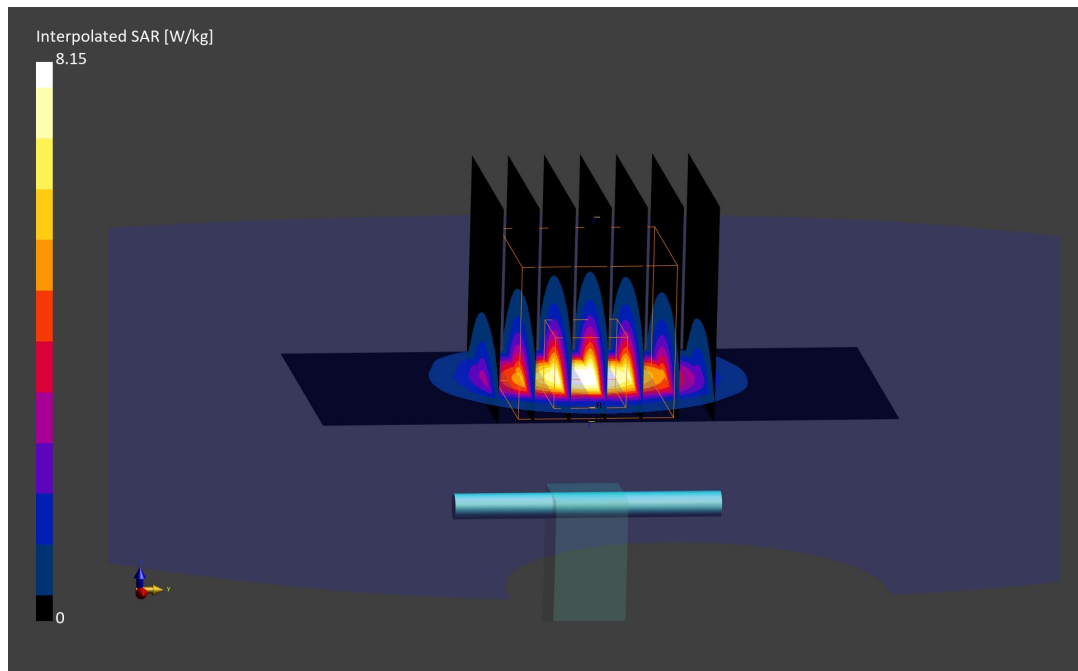
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 6.59 W/kg; SAR(10 g) = 2.51 W/kg

Deviation (1 g) = 3.62%; Deviation (10 g) = 6.36%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
 Medium: 3600 Body; Medium parameters used:
 $f = 3700.0$ MHz; $\text{cond} = 3.40$ S/m; $\text{perm} = 50.9$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/12/2022; Ambient Temp: 21.4°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7410; ConvF:(6.45,6.45,6.45); Calibrated: 2022-07-19
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
 Phantom: Twin-SAM V8.0; Serial: 1630
 Measurement SW: DASY Module SAR V16.2.0.1425

3700 MHz System Verification at 20 dBm (100 mW)

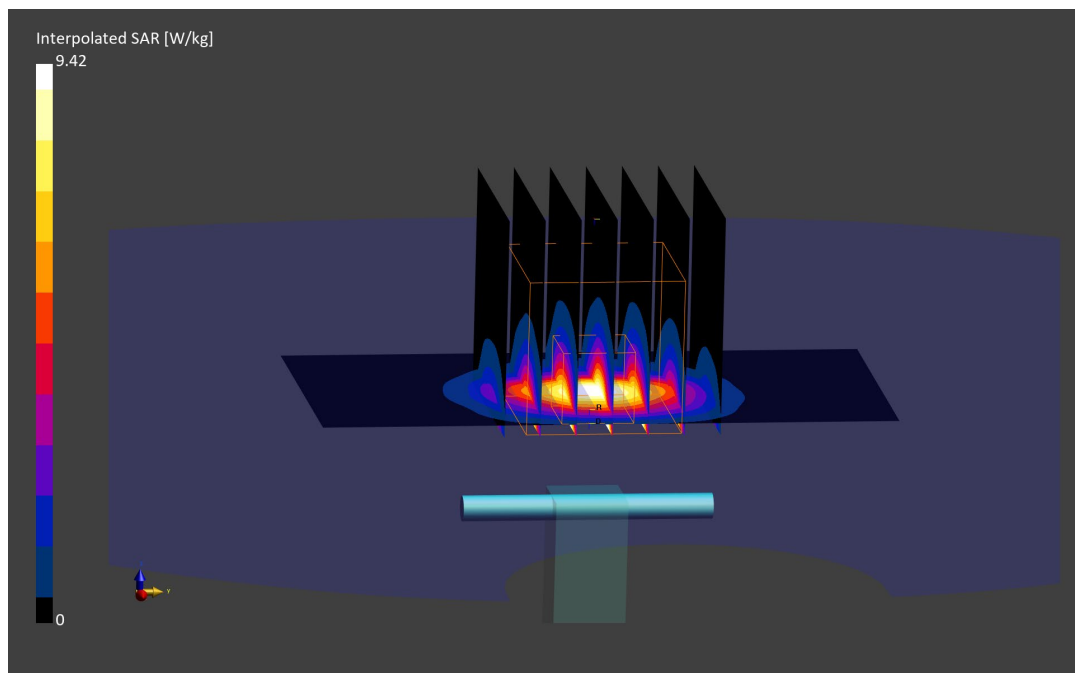
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 6.68 W/kg; SAR(10 g) = 2.48 W/kg

Deviation (1 g) = 2.45%; Deviation (10 g) = 6.44%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1097

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3700.0 MHz; cond = 3.41 S/m; perm = 49.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/18/2022; Ambient Temp: 23.1°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7427; ConvF:(5.83,5.83,5.83); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

3700 MHz System Verification at 20 dBm (100 mW)

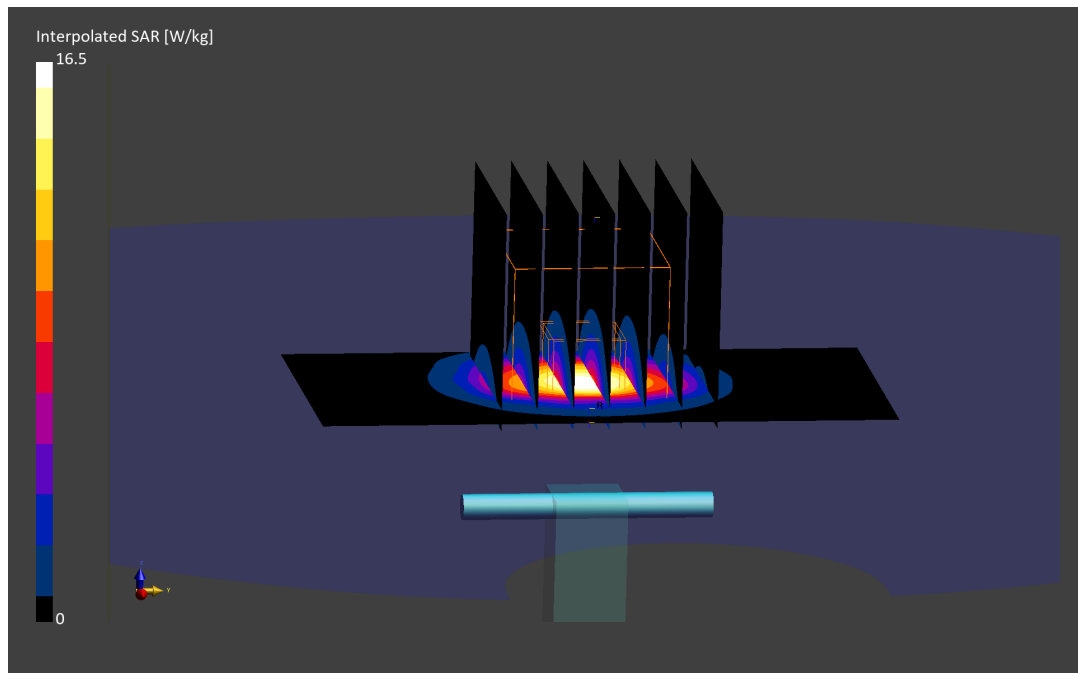
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 6.41 W/kg; SAR(10 g) = 2.36 W/kg

Deviation (1 g) = 2.89%; Deviation (10 g) = 6.31%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1097

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
 Medium: 3600 Body; Medium parameters used:
 $f = 3700.0$ MHz; $\text{cond} = 3.41$ S/m; $\text{perm} = 49.8$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/20/2022; Ambient Temp: 22.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7427; ConvF:(5.83,5.83,5.83); Calibrated: 2022-02-22
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1403; Calibrated: 2022-02-22
 Phantom: Twin-SAM V8.0; Serial: 1944
 Measurement SW: DASY Module SAR V16.2.0.1425

3700 MHz System Verification at 20 dBm (100 mW)

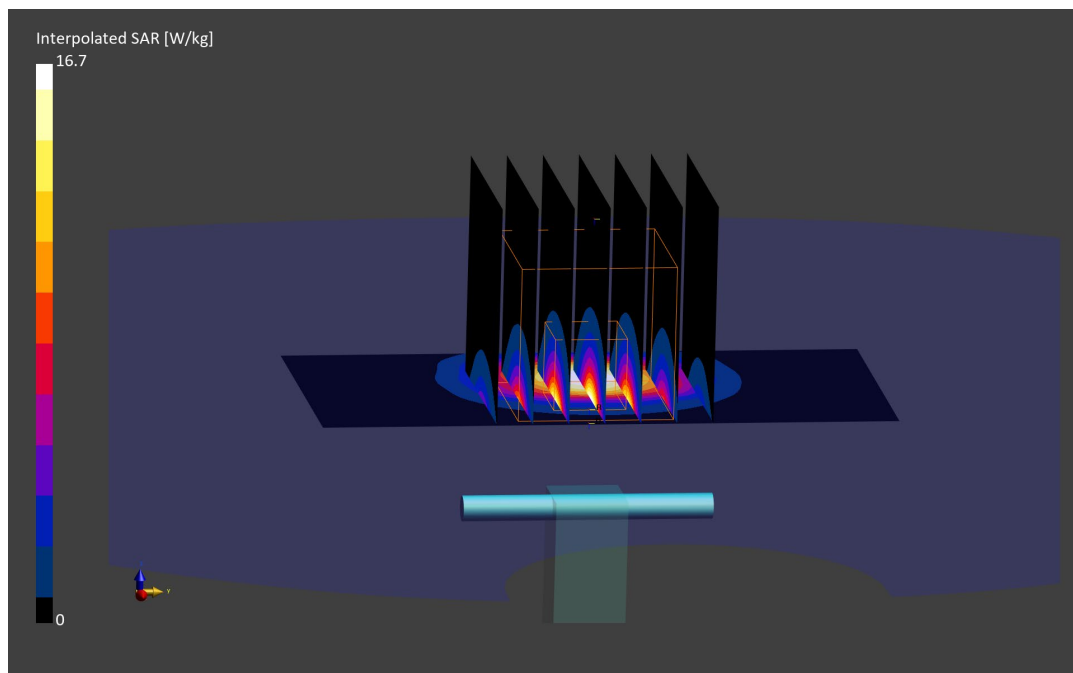
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 6.45 W/kg; SAR(10 g) = 2.37 W/kg

Deviation (1 g) = 3.53%; Deviation (10 g) = 6.76%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1097

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
 Medium: 3600 Body; Medium parameters used:
 $f = 3700.0$ MHz; $\text{cond} = 3.40$ S/m; $\text{perm} = 48.7$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 11/07/2022; Ambient Temp: 21.8°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7427; ConvF:(5.83,5.83,5.83); Calibrated: 2022-02-22
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1403; Calibrated: 2022-02-22
 Phantom: Twin-SAM V8.0; Serial: 1944
 Measurement SW: DASY Module SAR V16.2.0.1425

3700 MHz System Verification at 20 dBm (100 mW)

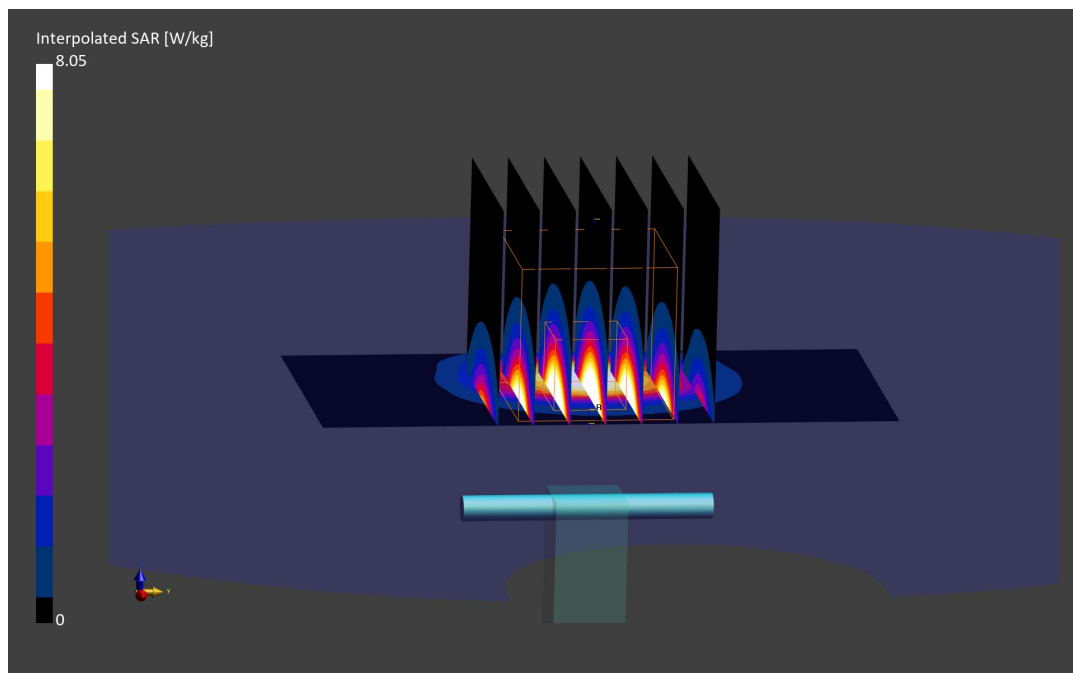
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 6.48 W/kg; SAR(10 g) = 2.38 W/kg

Deviation (1 g) = 4.01%; Deviation (10 g) = 7.21%



ELEMENT

DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1062

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
 Medium: 3600 Body; Medium parameters used:
 $f = 3900.0$ MHz; $\text{cond} = 3.66$ S/m; $\text{perm} = 49.5$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/20/2022; Ambient Temp: 22.2°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7427; ConvF:(5.61,5.61,5.61); Calibrated: 2022-02-22
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1403; Calibrated: 2022-02-22
 Phantom: Twin-SAM V8.0; Serial: 1944
 Measurement SW: DASY Module SAR V16.2.0.1425

3900 MHz System Verification at 20 dBm (100 mW)

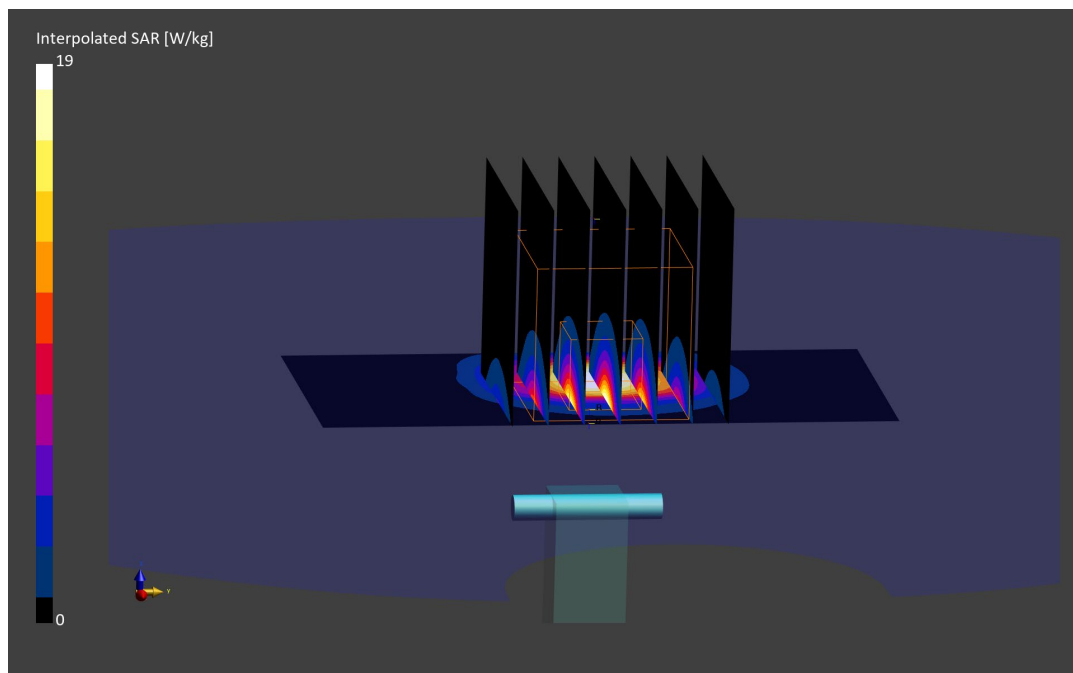
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 19.0 W/kg

SAR(1 g) = 7.04 W/kg; SAR(10 g) = 2.47 W/kg

Deviation (1 g) = 6.18%; Deviation (10 g) = 6.93%



ELEMENT

DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1062

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3900.0 MHz; cond = 3.66 S/m; perm = 48.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 11/07/2022; Ambient Temp: 21.8°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7427; ConvF:(5.61,5.61,5.61); Calibrated: 2022-02-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2022-02-22
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

3900 MHz System Verification at 20 dBm (100 mW)

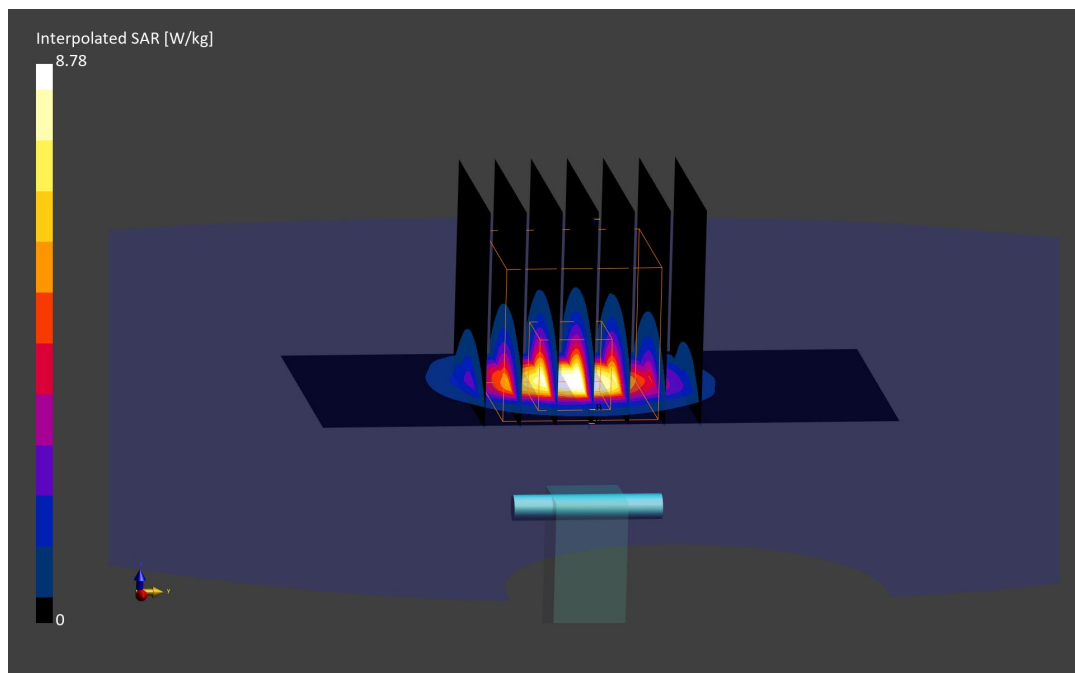
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 19.1 W/kg

SAR(1 g) = 7.05 W/kg; SAR(10 g) = 2.47 W/kg

Deviation (1 g) = 6.33%; Deviation (10 g) = 6.93%



ELEMENT

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5250.0 MHz
 Medium: 5200-5800 Body; Medium parameters used:
 $f = 5250.0$ MHz; $\text{cond} = 5.29$ S/m; $\text{perm} = 47.1$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7659; ConvF:(5.21,5.21,5.21); Calibrated: 2022-04-20
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
 Phantom: Twin-SAM V5.0; Serial: 1873
 Measurement SW: DASY Module SAR V16.2.0.1425

5250 MHz System Verification at 17 dBm (50 mW)

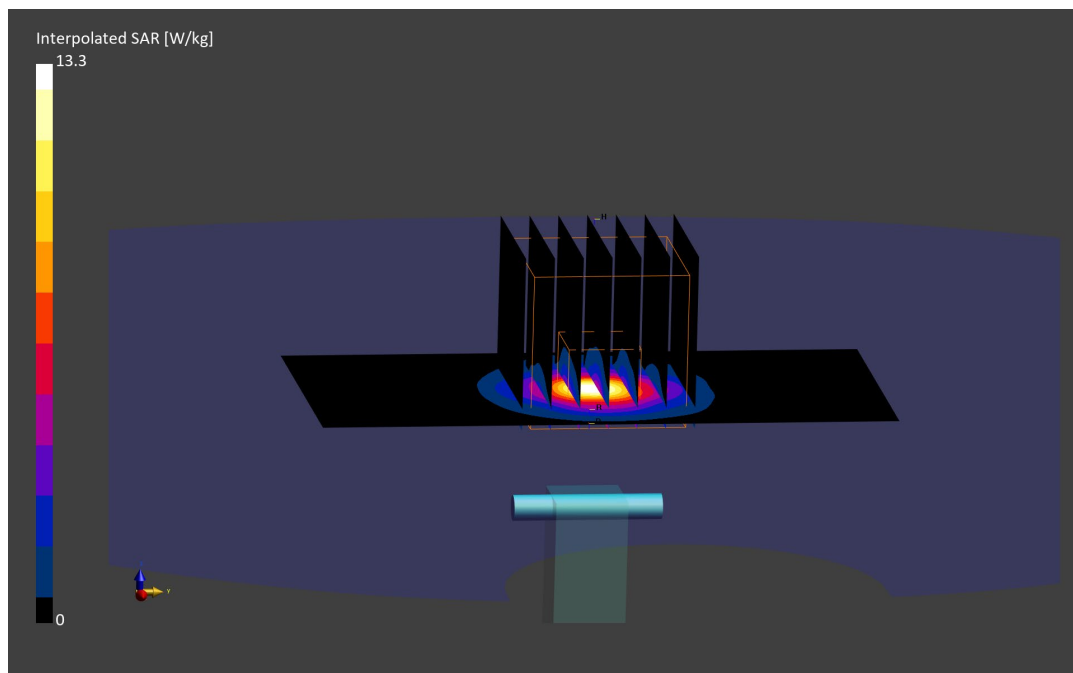
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 3.59 W/kg; SAR(10 g) = 1.03 W/kg

Deviation (1 g) = -3.23%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5250.0 MHz
 Medium: 5200-5800 Body; Medium parameters used:
 $f = 5250.0$ MHz; $\text{cond} = 5.26$ S/m; $\text{perm} = 49.2$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/30/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7659; ConvF:(5.21,5.21,5.21); Calibrated: 2022-04-20
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
 Phantom: Twin-SAM V5.0; Serial: 1873
 Measurement SW: DASY Module SAR V16.2.0.1425

5250 MHz System Verification at 17 dBm (50 mW)

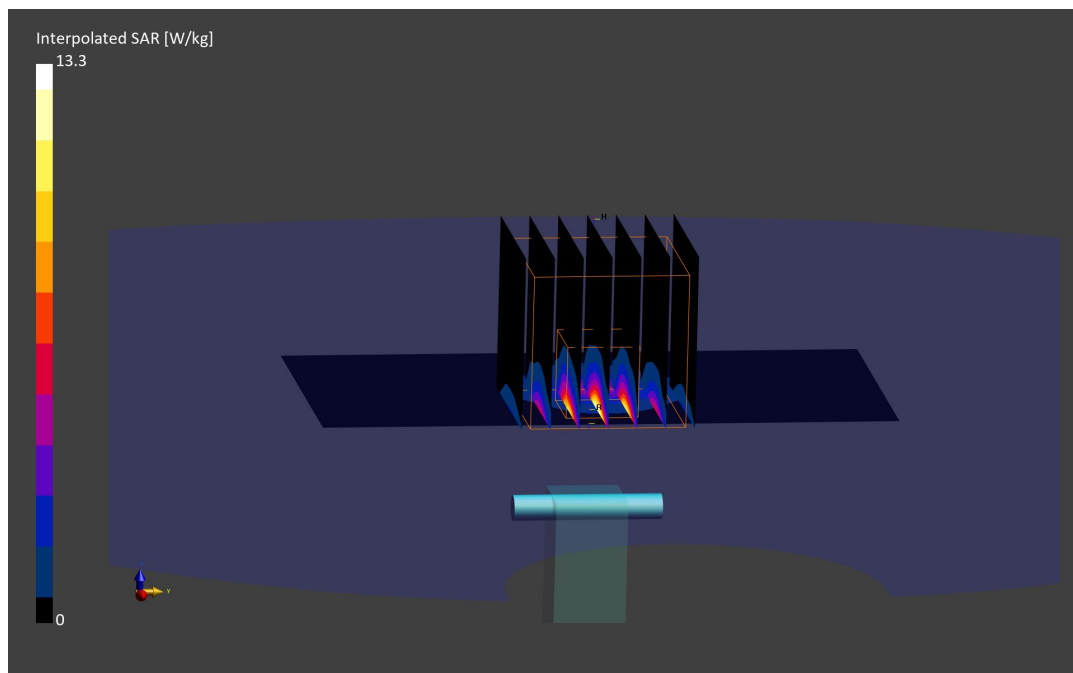
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.04 W/kg

Deviation (1 g) = -2.43%; Deviation (10 g) = 0.97%



ELEMENT

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5600.0 MHz
 Medium: 5200-5800 Body; Medium parameters used:
 $f = 5600.0$ MHz; $\text{cond} = 5.80$ S/m; $\text{perm} = 46.5$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7659; ConvF:(4.6,4.6,4.6); Calibrated: 2022-04-20
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
 Phantom: Twin-SAM V5.0; Serial: 1873
 Measurement SW: DASY Module SAR V16.2.0.1425

5600 MHz System Verification at 17 dBm (50 mW)

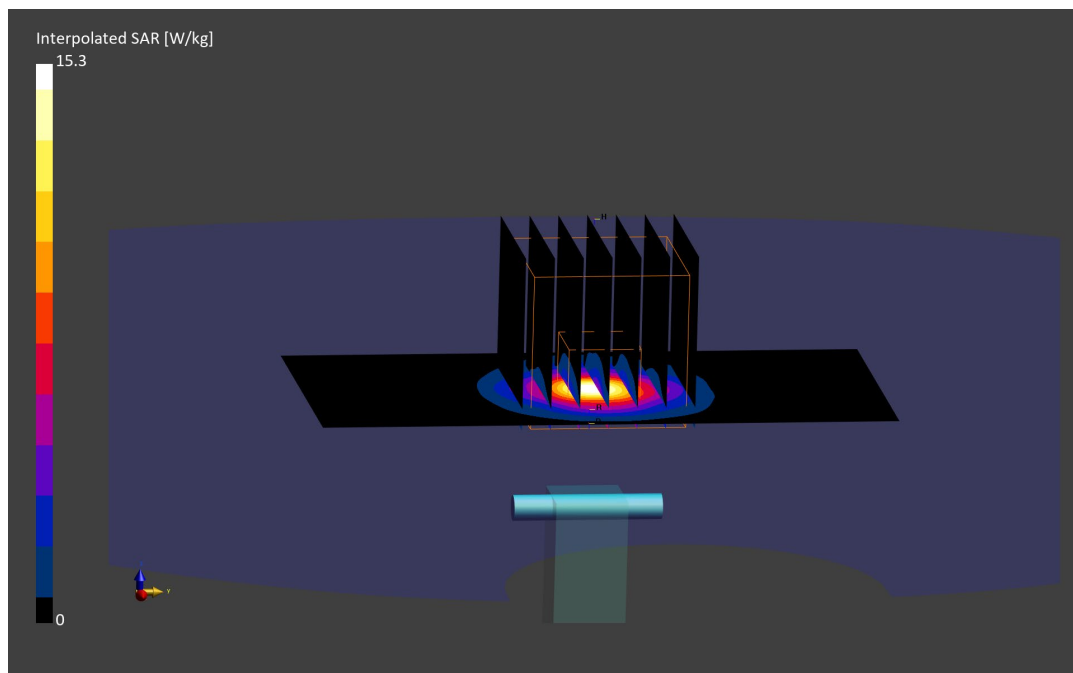
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 15.3 W/kg

SAR(1 g) = 3.74 W/kg; SAR(10 g) = 1.07 W/kg

Deviation (1 g) = -2.86%; Deviation (10 g) = 0.94%



ELEMENT

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5600.0 MHz
 Medium: 5200-5800 Body; Medium parameters used:
 $f = 5600.0$ MHz; $\text{cond} = 5.77$ S/m; $\text{perm} = 48.5$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/30/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7659; ConvF:(4.6,4.6,4.6); Calibrated: 2022-04-20
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
 Phantom: Twin-SAM V5.0; Serial: 1873
 Measurement SW: DASY Module SAR V16.2.0.1425

5600 MHz System Verification at 17 dBm (50 mW)

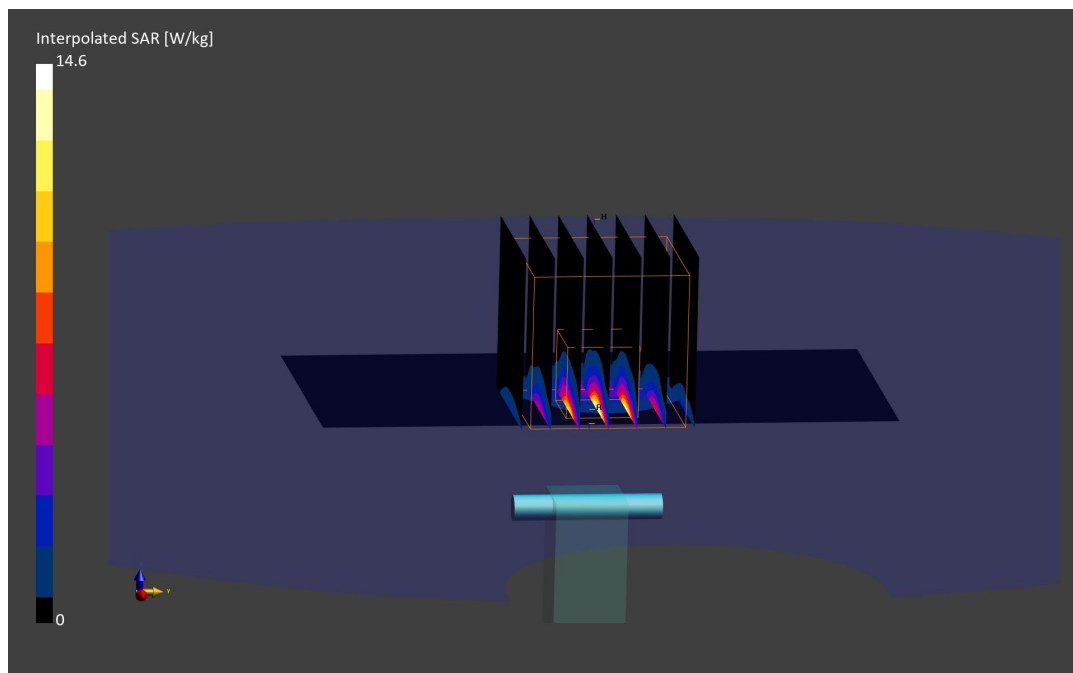
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 14.6 W/kg

SAR(1 g) = 3.69 W/kg; SAR(10 g) = 1.06 W/kg

Deviation (1 g) = -4.16%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5750.0 MHz; cond = 6.00 S/m; perm = 46.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7659; ConvF:(4.67,4.67,4.67); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

5750 MHz System Verification at 17 dBm (50 mW)

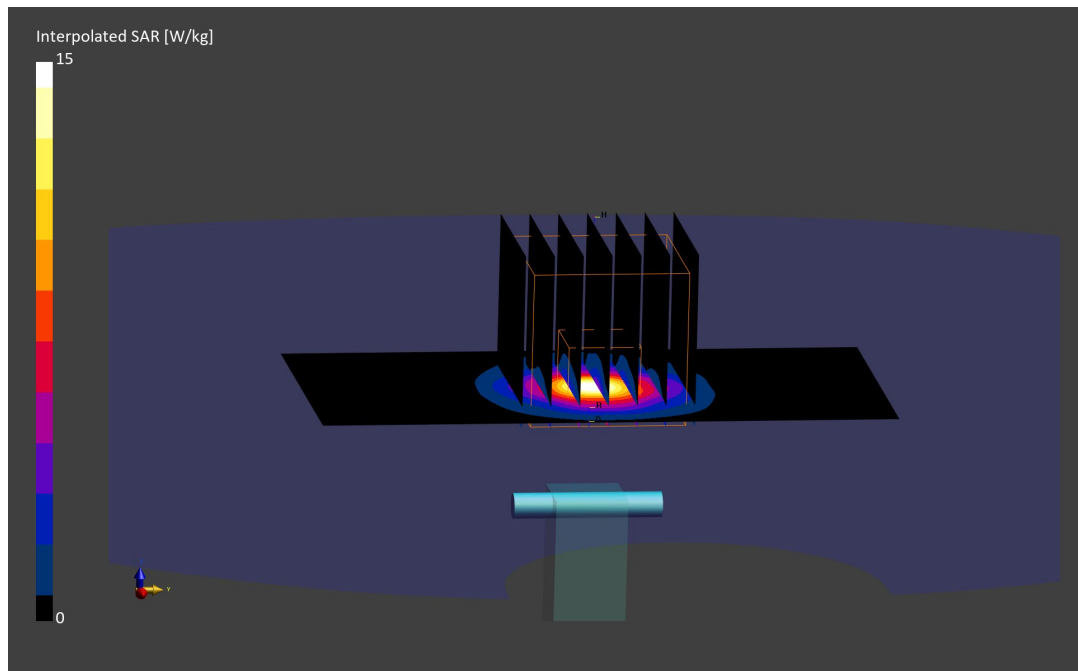
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 15.0 W/kg

SAR(1 g) = 3.52 W/kg; SAR(10 g) = 0.995 W/kg

Deviation (1 g) = -6.01%; Deviation (10 g) = -3.86%



ELEMENT

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5750.0 MHz; cond = 6.00 S/m; perm = 48.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/30/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7659; ConvF:(4.67,4.67,4.67); Calibrated: 2022-04-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
Phantom: Twin-SAM V5.0; Serial: 1873
Measurement SW: DASY Module SAR V16.2.0.1425

5750 MHz System Verification at 17 dBm (50 mW)

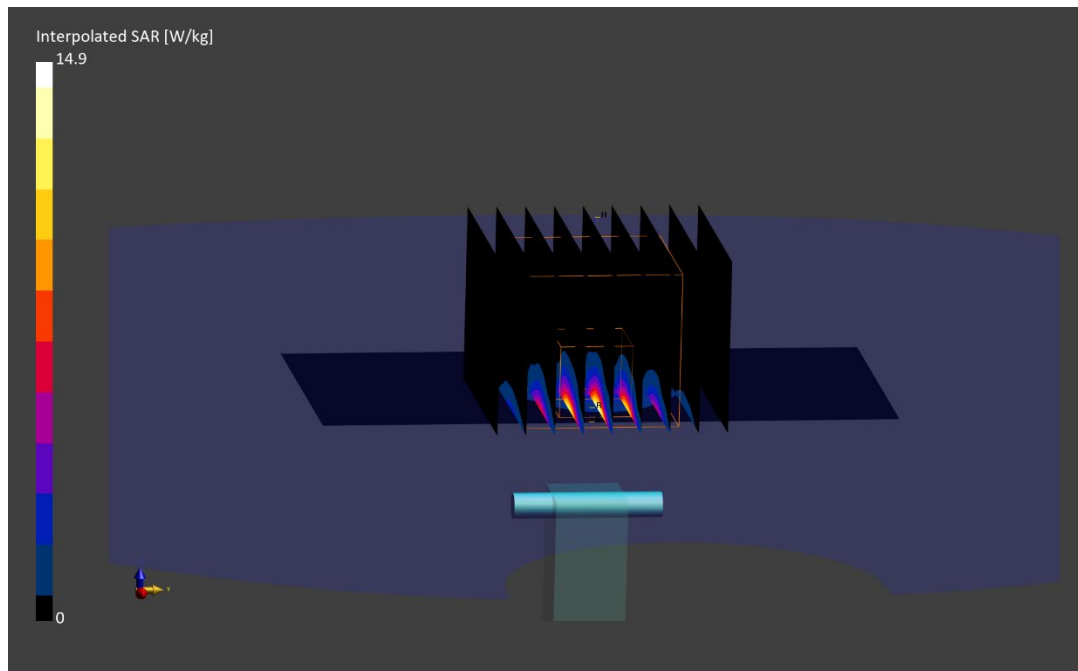
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 14.9 W/kg

SAR(1 g) = 3.59 W/kg; SAR(10 g) = 1.02 W/kg

Deviation (1 g) = -4.14%; Deviation (10 g) = -1.45%



ELEMENT

DUT: Dipole 5800.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5800.0 MHz
 Medium: 5200-5800 Body; Medium parameters used:
 $f = 5800.0$ MHz; $\text{cond} = 6.08$ S/m; $\text{perm} = 46.1$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/24/2022; Ambient Temp: 21.8°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7659; ConvF:(4.67,4.67,4.67); Calibrated: 2022-04-20
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
 Phantom: Twin-SAM V5.0; Serial: 1873
 Measurement SW: DASY Module SAR V16.2.0.1425

5800 MHz System Verification at 17 dBm (50 mW)

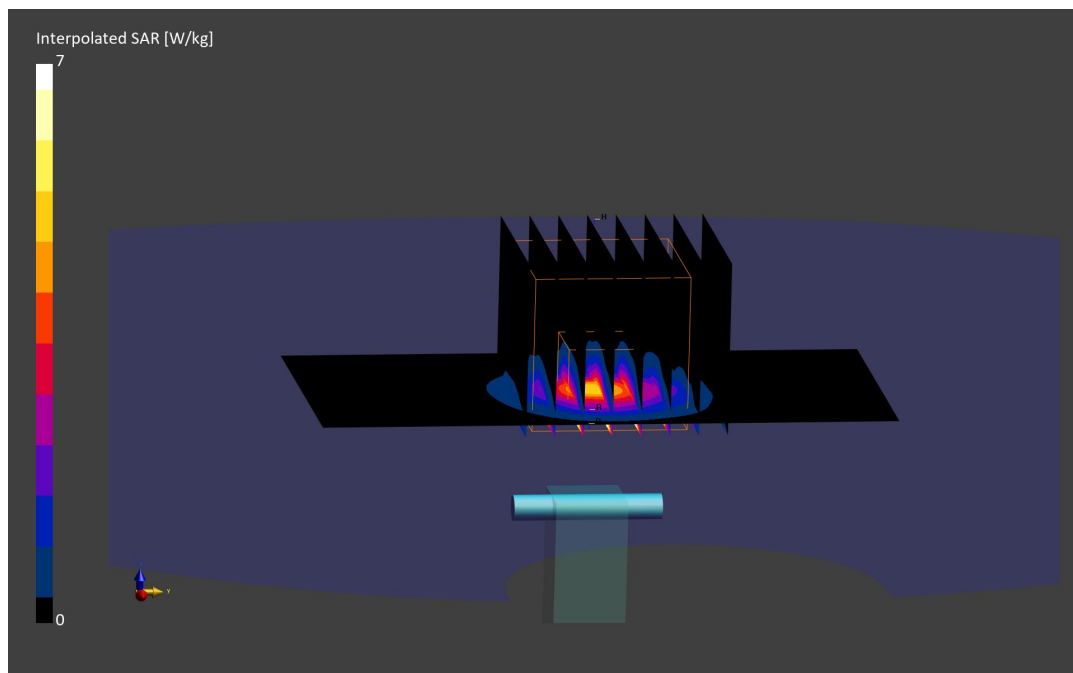
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 15.4 W/kg

SAR(1 g) = 3.58 W/kg; SAR(10 g) = 1.02 W/kg

Deviation (1 g) = -4.28%; Deviation (10 g) = -0.49%



ELEMENT

DUT: Dipole 5800.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5800.0 MHz
 Medium: 5200-5800 Body; Medium parameters used:
 $f = 5800.0$ MHz; $\text{cond} = 6.08$ S/m; $\text{perm} = 48.2$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 10/30/2022; Ambient Temp: 21.4°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7659; ConvF:(4.67,4.67,4.67); Calibrated: 2022-04-20
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1407; Calibrated: 2022-04-13
 Phantom: Twin-SAM V5.0; Serial: 1873
 Measurement SW: DASY Module SAR V16.2.0.1425

5800 MHz System Verification at 17 dBm (50 mW)

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

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

Peak SAR (extrapolated) = 15.7 W/kg

SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.04 W/kg

Deviation (1 g) = -1.60%; Deviation (10 g) = 1.46%

