

APPENDIX B: SYSTEM VERIFICATION

ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3; Serial: 1094

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

Medium: 750 Head; Medium parameters used:

$f = 750.0$ MHz; $\text{cond} = 0.920$ S/m; $\text{perm} = 42.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/12/2022; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7499; ConvF:(10.23,10.23,10.23); Calibrated: 2022-04-19

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

Electronics: DAE4 Sn1465; Calibrated: 2022-04-13

Phantom: Twin-SAM V8.0; Serial: 1935

Measurement SW: DASY Module SAR V16.0.2.136

750 MHz System Verification at 23 dBm

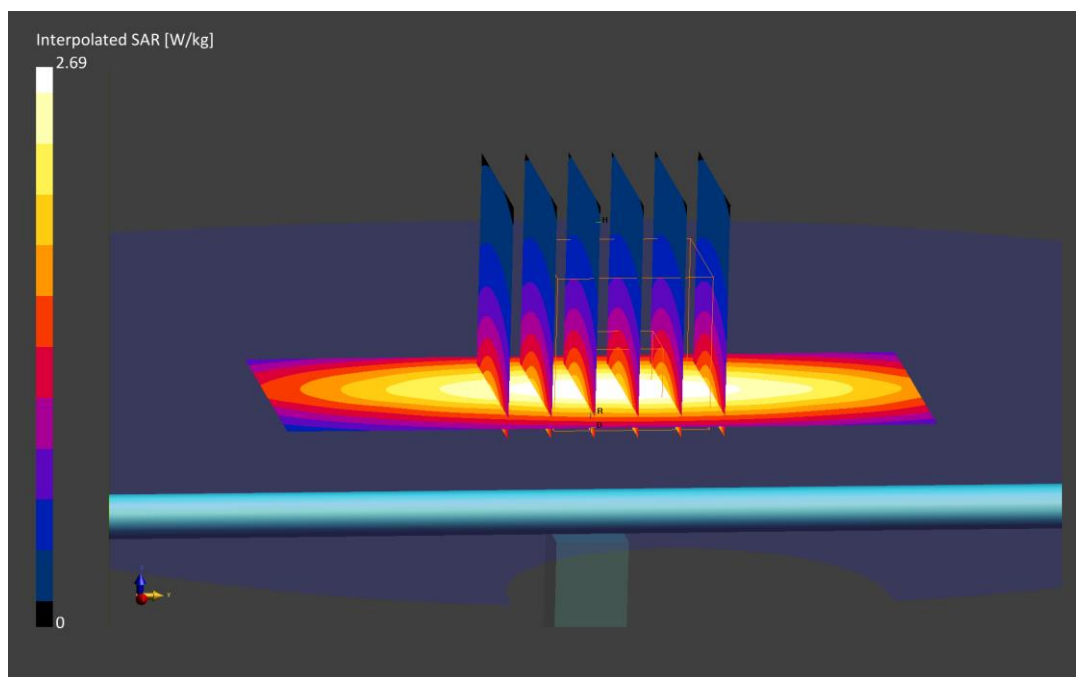
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 2.69 W/kg

SAR(1 g) = 1.77 W/kg

Deviation (1 g) = 4.49%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3; Serial: 1094

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

Medium: 750 Head; Medium parameters used:

$f = 750.0$ MHz; $\text{cond} = 0.890$ S/m; $\text{perm} = 42.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/14/2022; Ambient Temp: 21.7°C; Tissue Temp: 23.8°C

Probe: EX3DV4 - SN7499; ConvF:(10.23,10.23,10.23); Calibrated: 2022-04-19

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

Electronics: DAE4 Sn1465; Calibrated: 2022-04-13

Phantom: Twin-SAM V8.0; Serial: 1935

Measurement SW: DASY Module SAR V16.0.2.136

750 MHz System Verification at 23 dBm

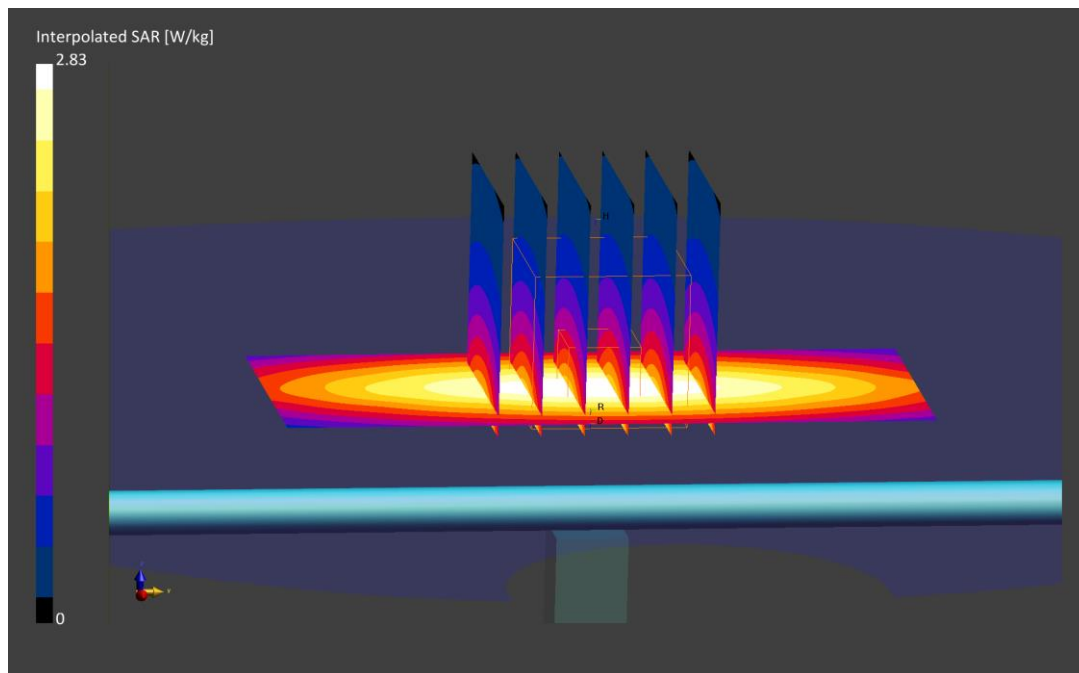
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.83 W/kg

SAR(10 g) = 1.20 W/kg

Deviation (10 g) = 7.72%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3; Serial: 1094

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

Medium: 750 Head; Medium parameters used:

$f = 750.0 \text{ MHz}$; $\text{cond} = 0.892 \text{ S/m}$; $\text{perm} = 42.3$; $\text{density} = 1000 \text{ kg/m}^3$

Phantom Section: Flat; Space: 15 mm

Test Date: 06/16/2022; Ambient Temp: 24.3°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN7499; ConvF:(10.23,10.23,10.23); Calibrated: 2022-04-19

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

Electronics: DAE4 Sn1465; Calibrated: 2022-04-13

Phantom: Twin-SAM V8.0; Serial: 1935

Measurement SW: DASY Module SAR V16.0.2.136

750 MHz System Verification at 23 dBm

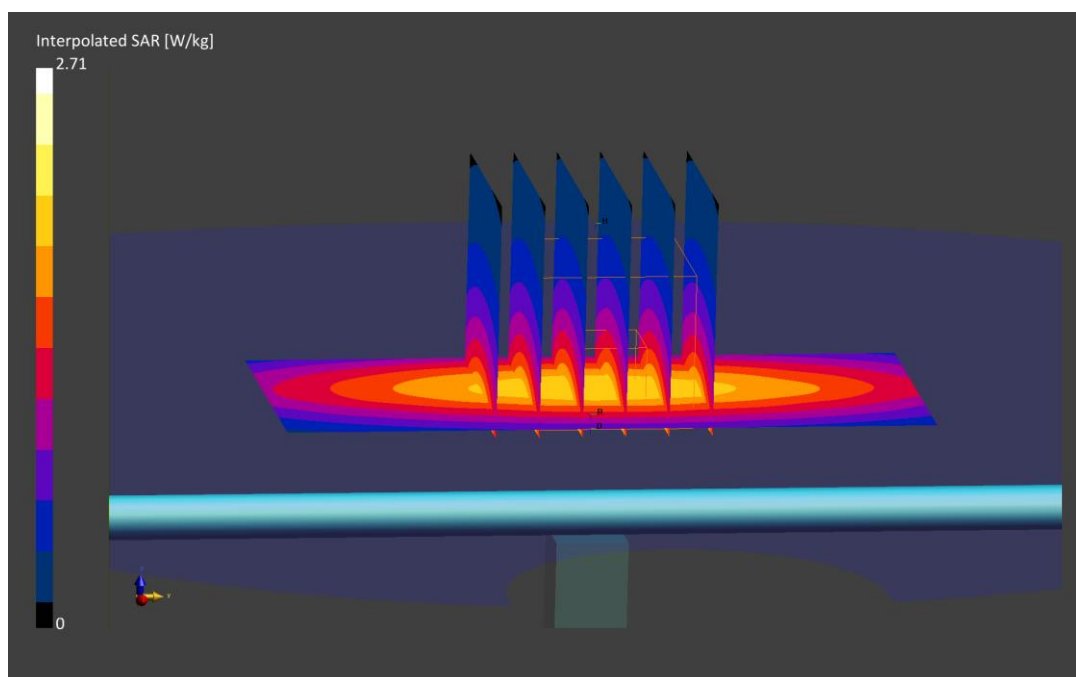
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0 \text{ mm}$, $dy=15.0 \text{ mm}$

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

Peak SAR (extrapolated) = 2.71 W/kg

SAR(1 g) = 1.76 W/kg

Deviation (1 g) = 3.90%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3; Serial: 1097

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

Medium: 750 Head; Medium parameters used:

$f = 750.0$ MHz; $\text{cond} = 0.859$ S/m; $\text{perm} = 40.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 07/27/2022; Ambient Temp: 21.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7427; ConvF:(9.84,9.84,9.84); 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 V16.0.2.136

750 MHz System Verification at 23 dBm

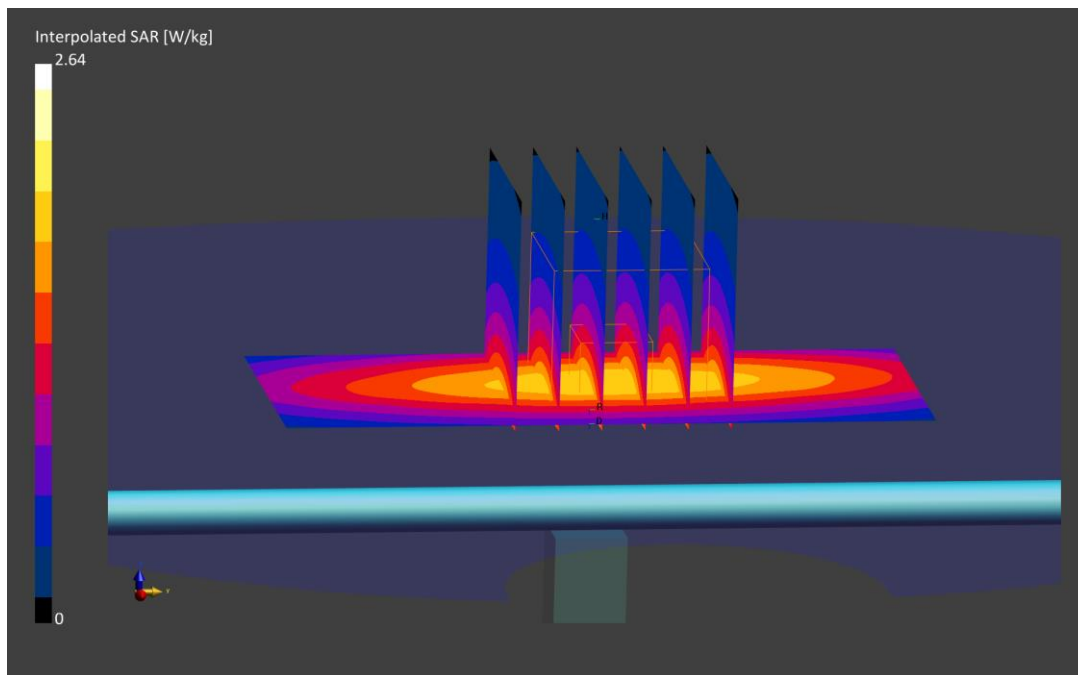
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.64 W/kg

SAR(10 g) = 1.12 W/kg

Deviation (10 g) = 4.87%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3; Serial: 1097

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

Medium: 750 Head; Medium parameters used:

$f = 750.0$ MHz; $\text{cond} = 0.876$ S/m; $\text{perm} = 40.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 07/29/2022; Ambient Temp: 24.5°C; Tissue Temp: 23.3°C

Probe: EX3DV4 - SN7427; ConvF:(9.84,9.84,9.84); Calibrated: 2022-02-22

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1403; Calibrated: 2022-02-22

Phantom: Twin-SAM V8.0; Serial: 1944

Measurement SW: DASY Module SAR V16.0.2.136

750 MHz System Verification at 23 dBm

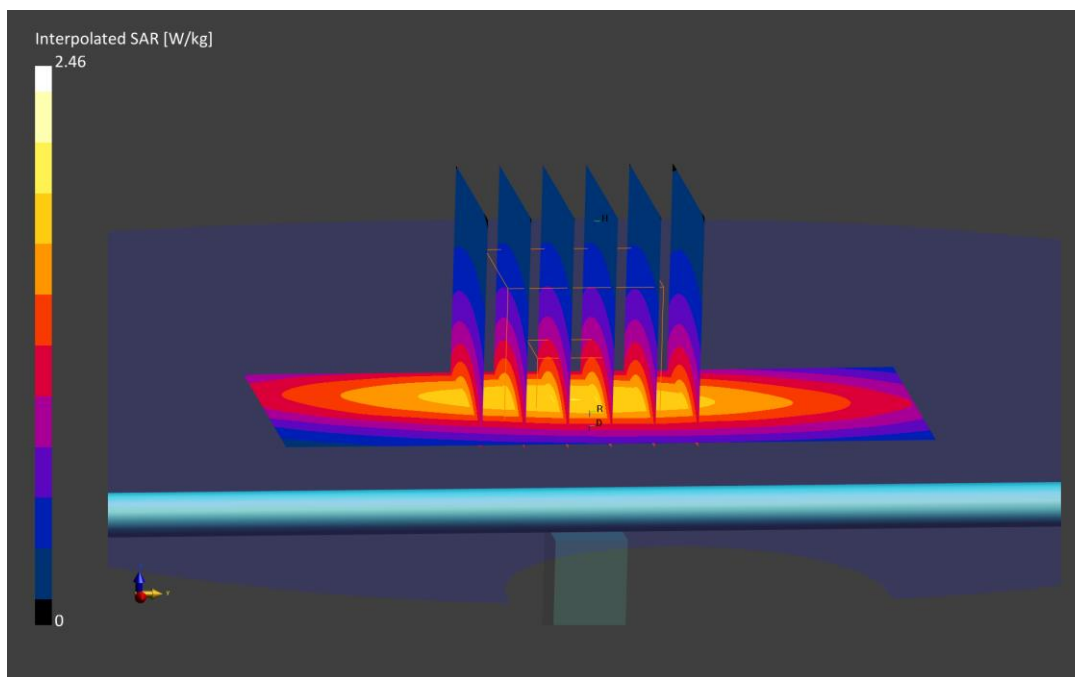
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.46 W/kg

SAR(1 g) = 1.62 W/kg

Deviation (1 g) = -1.34%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2; Serial: 4d040

Communication System: UID: 0, CW; Frequency: 835.0 MHz

Medium: 835 Head; Medium parameters used:

$f = 835.0$ MHz; $\text{cond} = 0.888$ S/m; $\text{perm} = 40.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/14/2022; Ambient Temp: 21.0°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7674; ConvF:(9.72,9.72,9.72); Calibrated: 2021-09-06

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

Electronics: DAE4 Sn1582; Calibrated: 2022-04-13

Phantom: Twin-SAM V8.0; Serial: 1917

Measurement SW: DASY Module SAR V16.0.2.136

835 MHz System Verification at 23 dBm

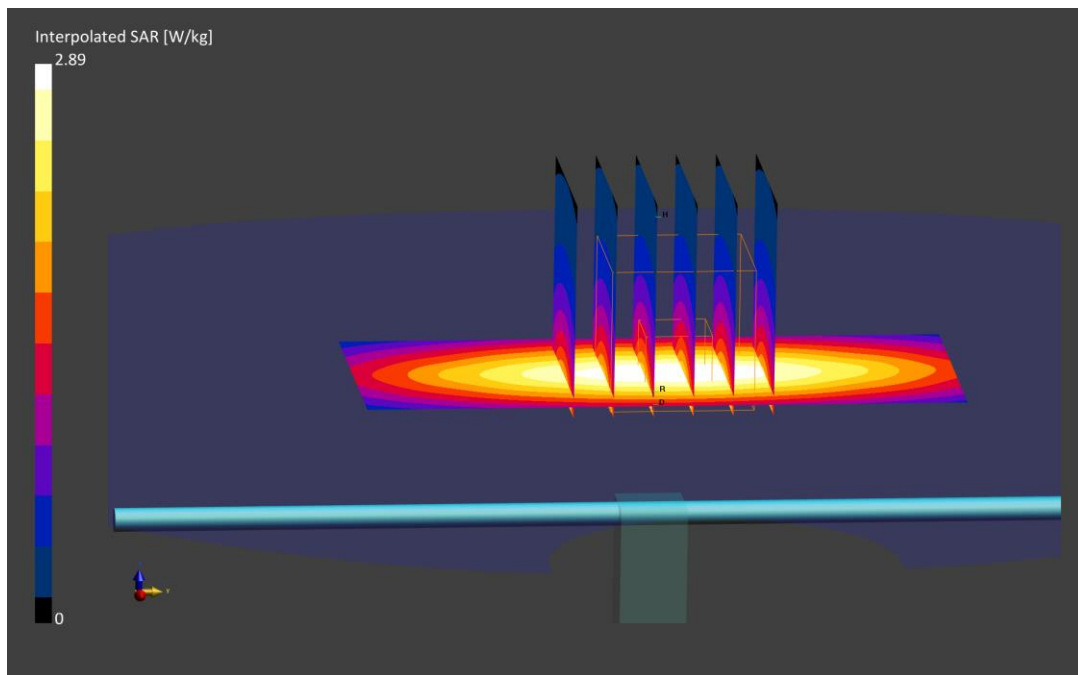
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.89 W/kg

SAR(10 g) = 1.20 W/kg

Deviation (10 g) = -5.96%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2; Serial: 4d040

Communication System: UID: 0, CW; Frequency: 835.0 MHz

Medium: 835 Head; Medium parameters used:

$f = 835.0$ MHz; $\text{cond} = 0.881$ S/m; $\text{perm} = 39.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/17/2022; Ambient Temp: 20.2°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7674; ConvF:(9.72,9.72,9.72); Calibrated: 2021-09-06

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

Electronics: DAE4 Sn1582; Calibrated: 2022-04-13

Phantom: Twin-SAM V8.0; Serial: 1917

Measurement SW: DASY Module SAR V16.0.2.136

835 MHz System Verification at 23 dBm

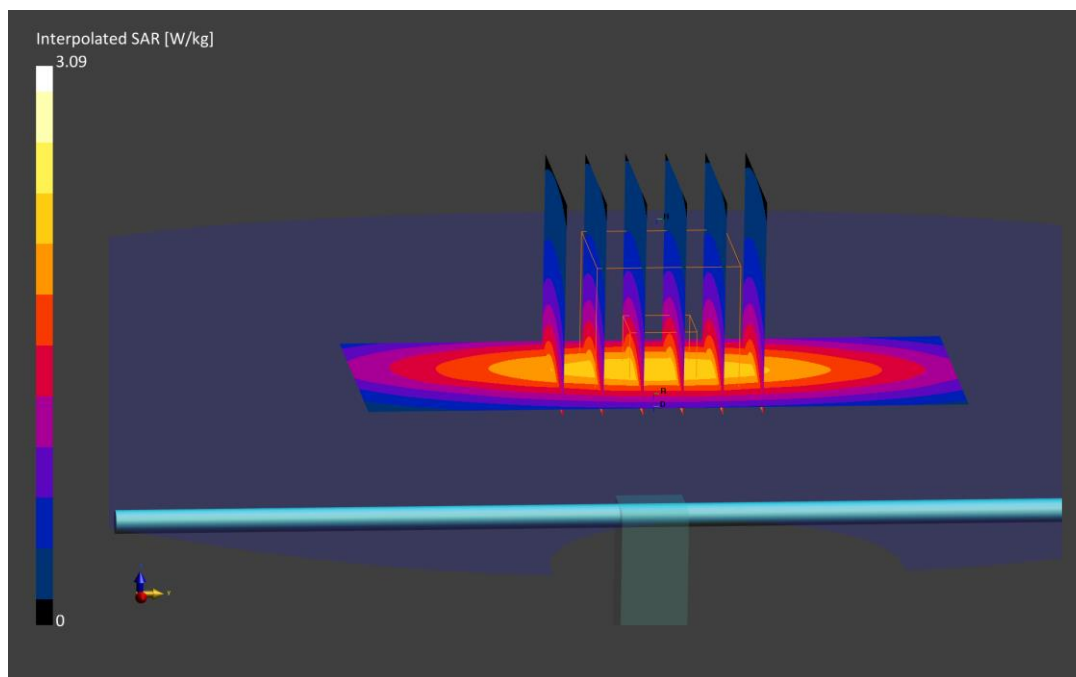
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 1.97 W/kg

Deviation (1 g) = 0.61%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2; Serial: 4d040

Communication System: UID: 0, CW; Frequency: 835.0 MHz

Medium: 835 Head; Medium parameters used:

$f = 835.0$ MHz; $\text{cond} = 0.900$ S/m; $\text{perm} = 40.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 07/24/2022; Ambient Temp: 20.3°C; Tissue Temp: 18.9°C

Probe: EX3DV4 - SN7490; ConvF:(10.03,10.03,10.03); Calibrated: 2021-12-10

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

Electronics: DAE4 Sn1333; Calibrated: 2021-10-20

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.2.136

835 MHz System Verification at 23 dBm

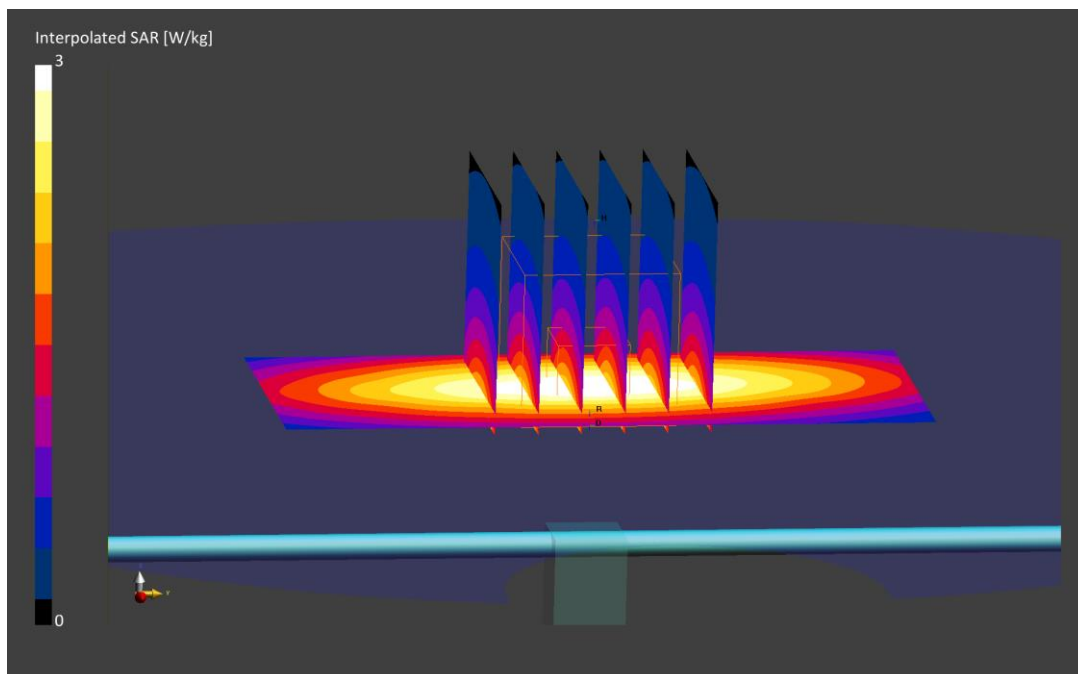
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 3.00 W/kg

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

Deviation (1 g) = -1.43%; Deviation (10 g) = -1.25%;



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2; Serial: 460

Communication System: UID: 0, CW; Frequency: 835.0 MHz

Medium: 835 Head; Medium parameters used:

$f = 835.0$ MHz; $\text{cond} = 0.897$ S/m; $\text{perm} = 40.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 07/26/2022; Ambient Temp: 21.6°C; Tissue Temp: 18.7°C

Probe: EX3DV4 - SN7490; ConvF:(10.03,10.03,10.03); Calibrated: 2021-12-10

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

Electronics: DAE4 Sn1333; Calibrated: 2021-10-20

Phantom: Twin-SAM V8.0; Serial: 1936

Measurement SW: DASY Module SAR V16.0.2.136

835 MHz System Verification at 23 dBm

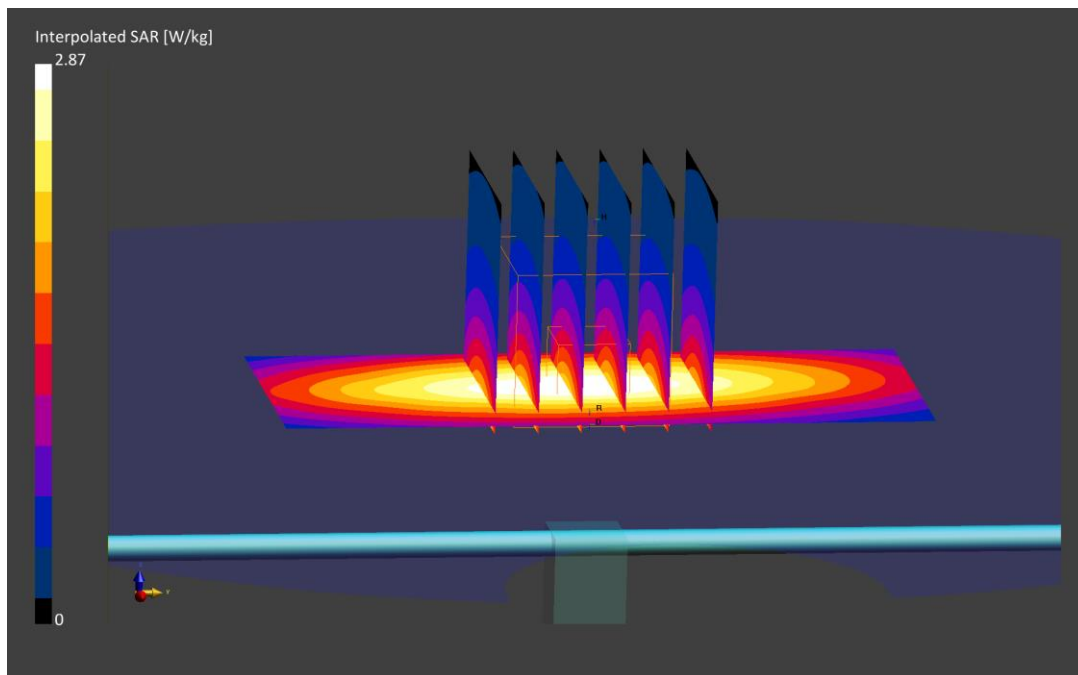
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.87 W/kg

SAR(1 g) = 1.84 W/kg; SAR(10 g) = 1.20 W/kg

Deviation (1 g) = -5.35%; Deviation (10 g) = -5.36%;



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2; Serial: 1104

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; $\text{perm} = 38.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/15/2022; Ambient Temp: 21.9°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7639; ConvF:(9.33,9.33,9.33); Calibrated: 2021-11-16

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

Electronics: DAE4 Sn1646; Calibrated: 2021-11-11

Phantom: Twin-SAM V8.0; Serial: 1736

Measurement SW: DASY Module SAR V16.0.2.136

1750 MHz System Verification at 20 dBm

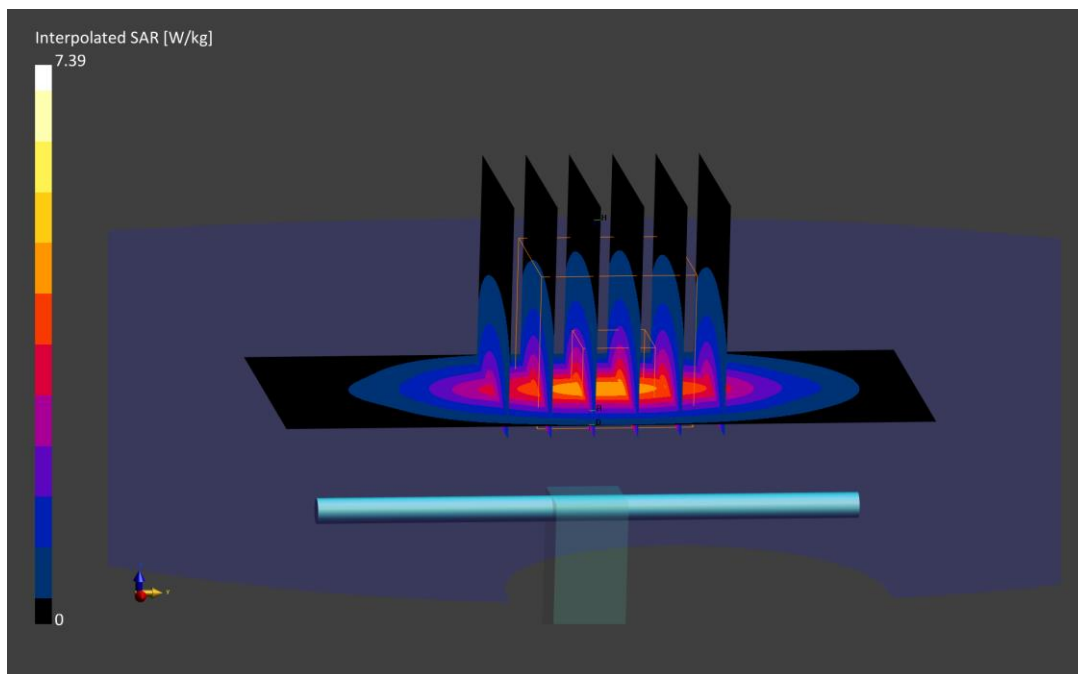
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 7.39 W/kg

SAR(1 g) = 3.85 W/kg

Deviation (1 g) = 7.84%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2; Serial: 1104

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

Medium: 1750 Head; Medium parameters used:

f = 1750.0 MHz; cond = 1.37 S/m; perm = 38.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/24/2022; Ambient Temp: 20.8°C; Tissue Temp: 18.6°C

Probe: EX3DV4 - SN7360; ConvF:(9.0,9.0,9.0); Calibrated: 2022-03-21

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

Electronics: DAE4 Sn534; Calibrated: 2022-03-21

Phantom: Twin-SAM V8.0; Serial: 1866

Measurement SW: DASY Module SAR V16.0.2.136

1750 MHz System Verification at 20 dBm

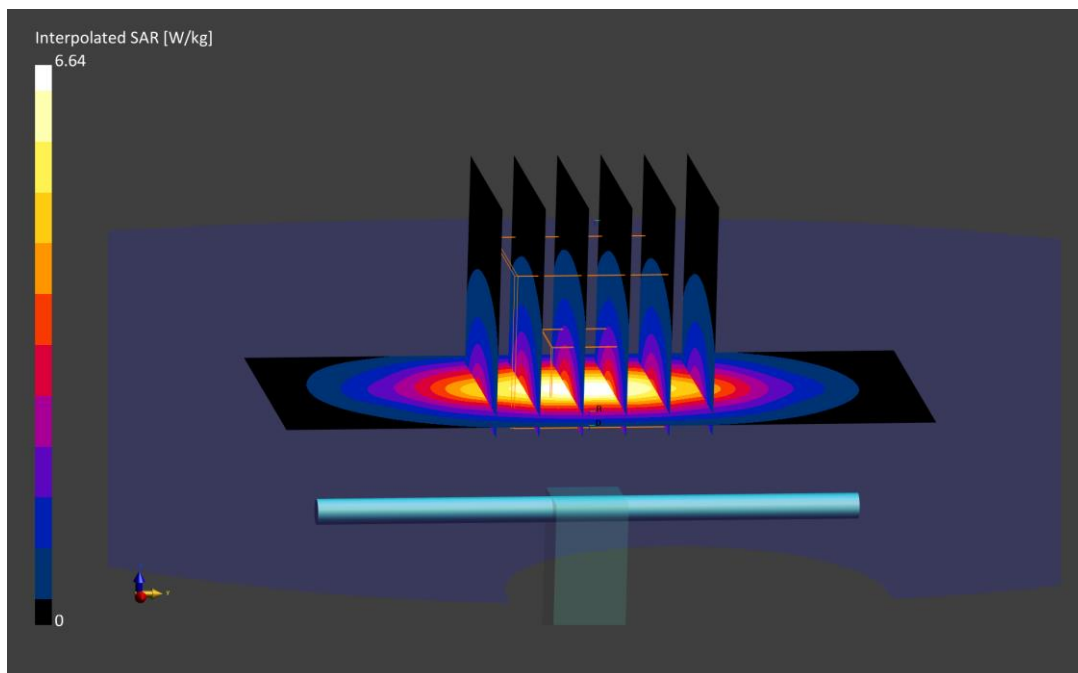
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 6.64 W/kg

SAR(10 g) = 1.81 W/kg

Deviation (10 g) = -3.72%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2; Serial: 1083

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

Medium: 1750 Head; Medium parameters used:

f = 1750.0 MHz; cond = 1.35 S/m; perm = 40.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/25/2022; Ambient Temp: 21.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7360; ConvF:(9.0,9.0,9.0); Calibrated: 2022-03-21

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

Electronics: DAE4 Sn534; Calibrated: 2022-03-21

Phantom: Twin-SAM V8.0; Serial: 1866

Measurement SW: DASY Module SAR V16.0.2.136

1750 MHz System Verification at 20 dBm

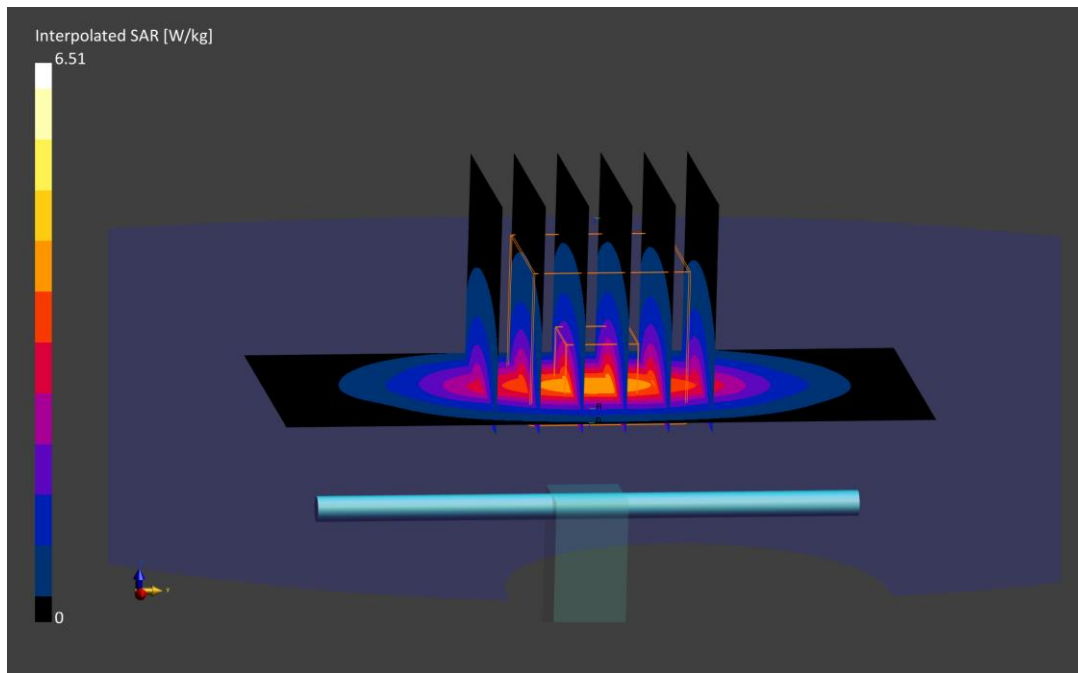
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 6.51 W/kg

SAR(10 g) = 1.83 W/kg

Deviation (10 g) = -4.69%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2; Serial: 5d030

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; $\text{perm} = 39.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/12/2022; Ambient Temp: 20.5°C; Tissue Temp: 21.3°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 V16.0.2.136

1900 MHz System Verification at 20 dBm

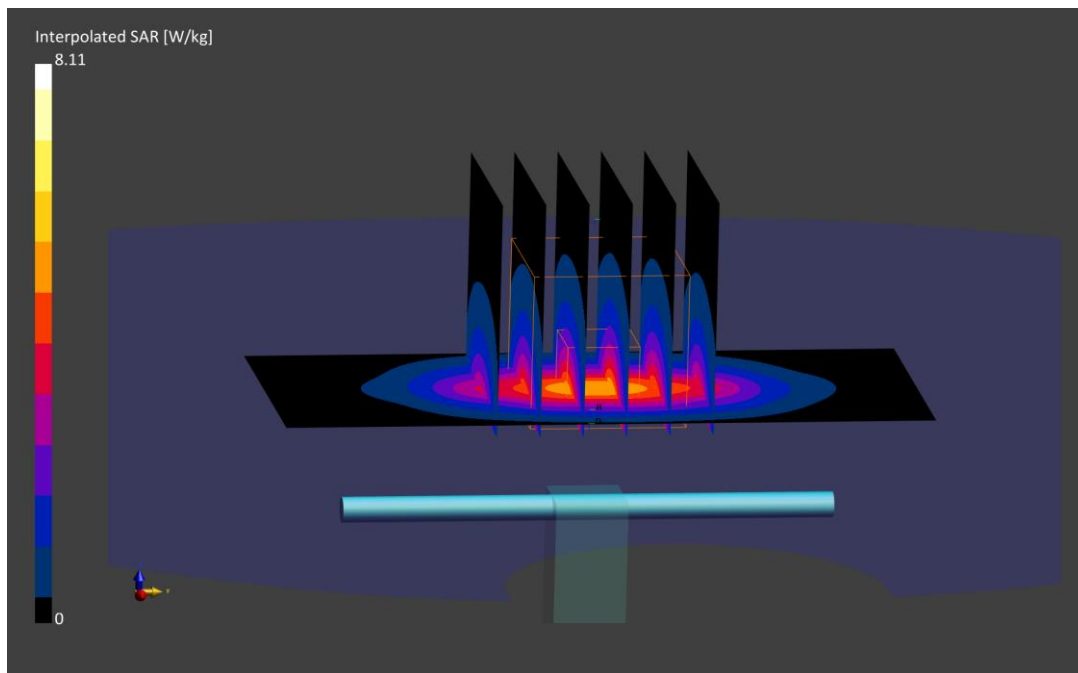
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 8.11 W/kg

SAR(1 g) = 4.26 W/kg; SAR(10 g) = 2.19 W/kg

Deviation (1 g) = 7.04%; Deviation (10 g) = 7.35%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2; Serial: 5d030

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; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/14/2022; Ambient Temp: 23.1°C; Tissue Temp: 18.1°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 V16.0.2.136

1900 MHz System Verification at 20 dBm

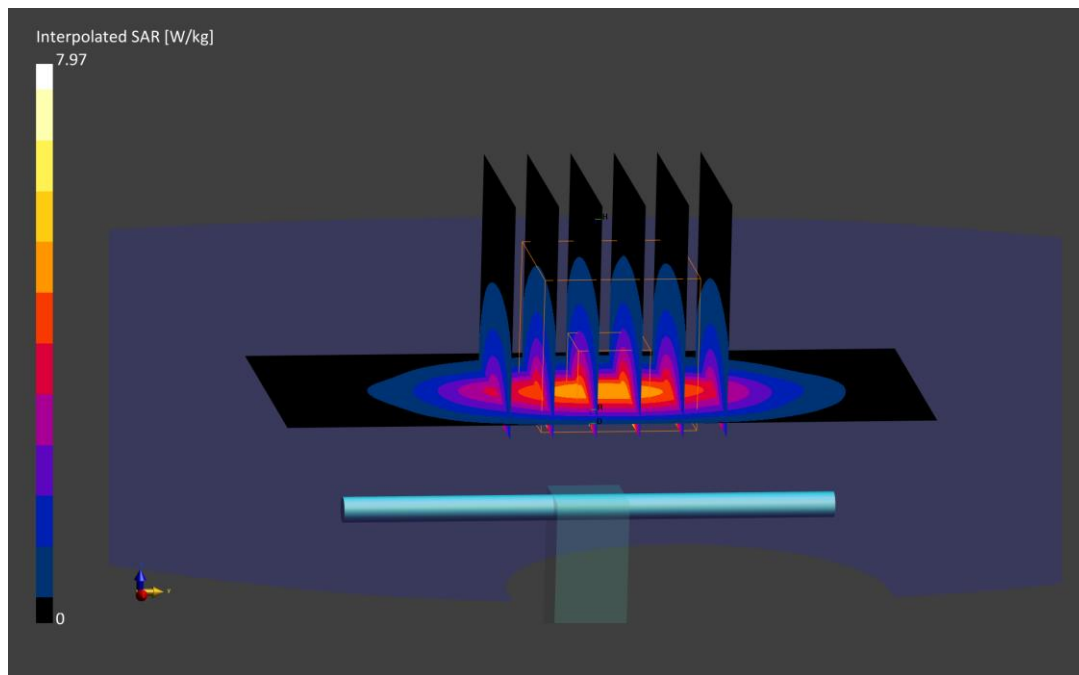
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Deviation (1 g) = 5.03%; Deviation (10 g) = 5.88%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 750

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

Medium: 2450 Head; Medium parameters used:

$f = 2450.0$ MHz; $\text{cond} = 1.76$ S/m; $\text{perm} = 39.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/10/2022; Ambient Temp: 23.3°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3837; ConvF:(7.21,7.21,7.21); 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 V16.0.2.136

2450 MHz System Verification at 20 dBm

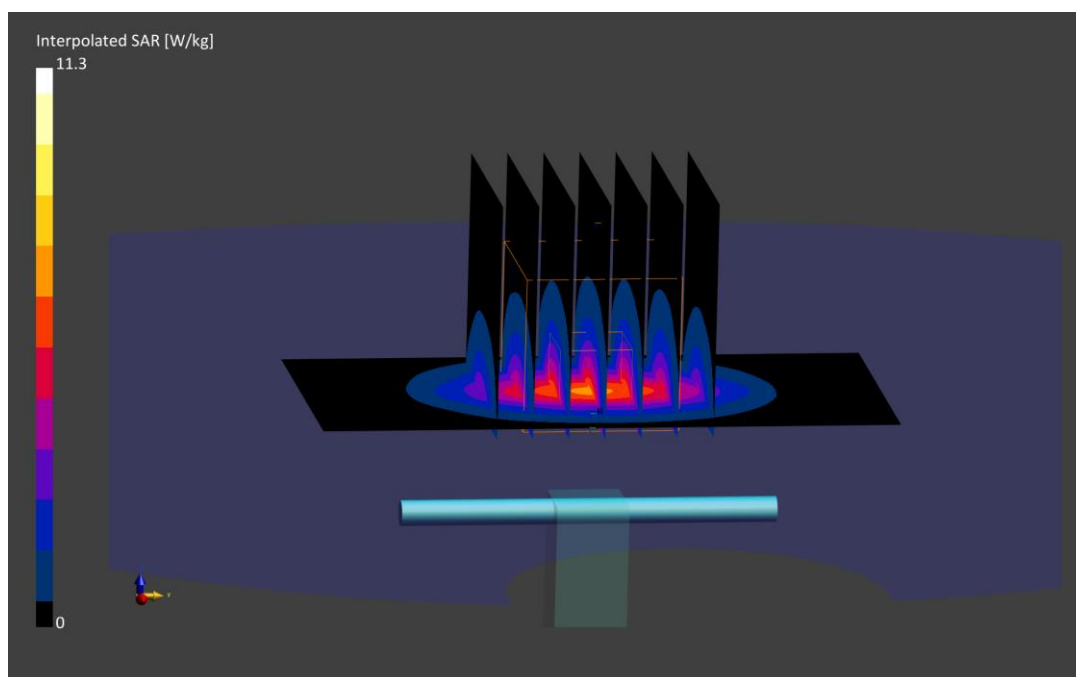
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.35 W/kg

Deviation (1 g) = 1.71%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 750

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.79 S/m; perm = 39.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/12/2022; Ambient Temp: 23.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3837; ConvF:(7.21,7.21,7.21); 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 V16.0.2.136

2450 MHz System Verification at 20 dBm

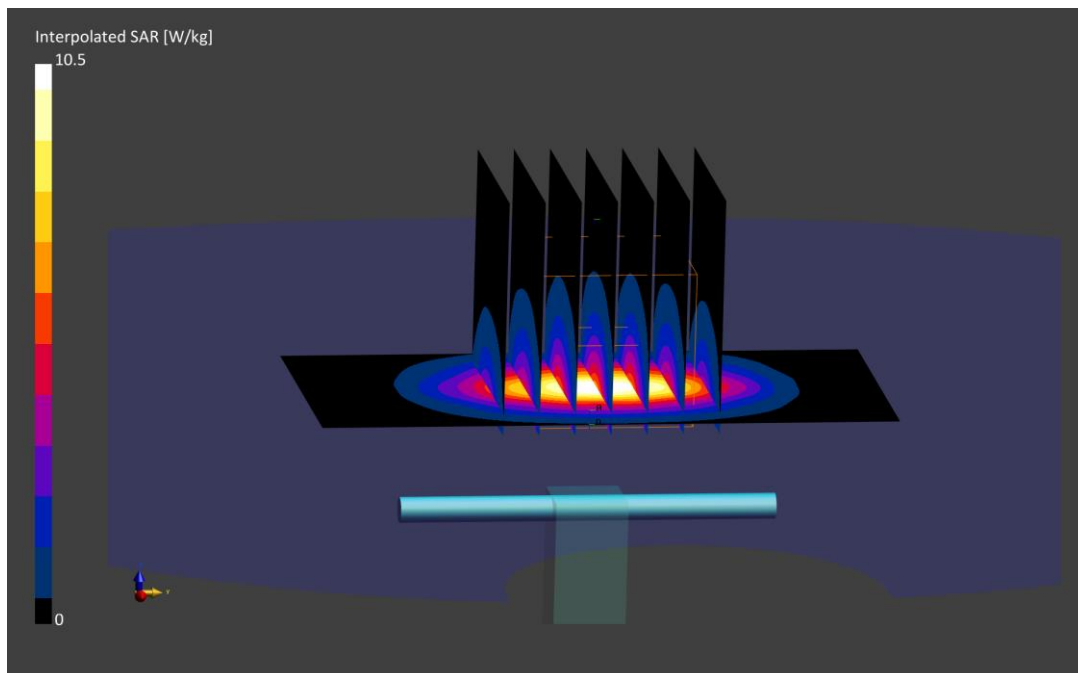
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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(10 g) = 2.39 W/kg

Deviation (10 g) = -2.45%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 921

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

Medium: 2450 Head; Medium parameters used:

$f = 2450.0$ MHz; $\text{cond} = 1.86$ S/m; $\text{perm} = 38.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/12/2022; Ambient Temp: 23.5°C; Tissue Temp: 24.6°C

Probe: EX3DV4 - SN7427; ConvF:(7.28,7.28,7.28); 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 V16.0.2.136

2450 MHz System Verification at 20 dBm

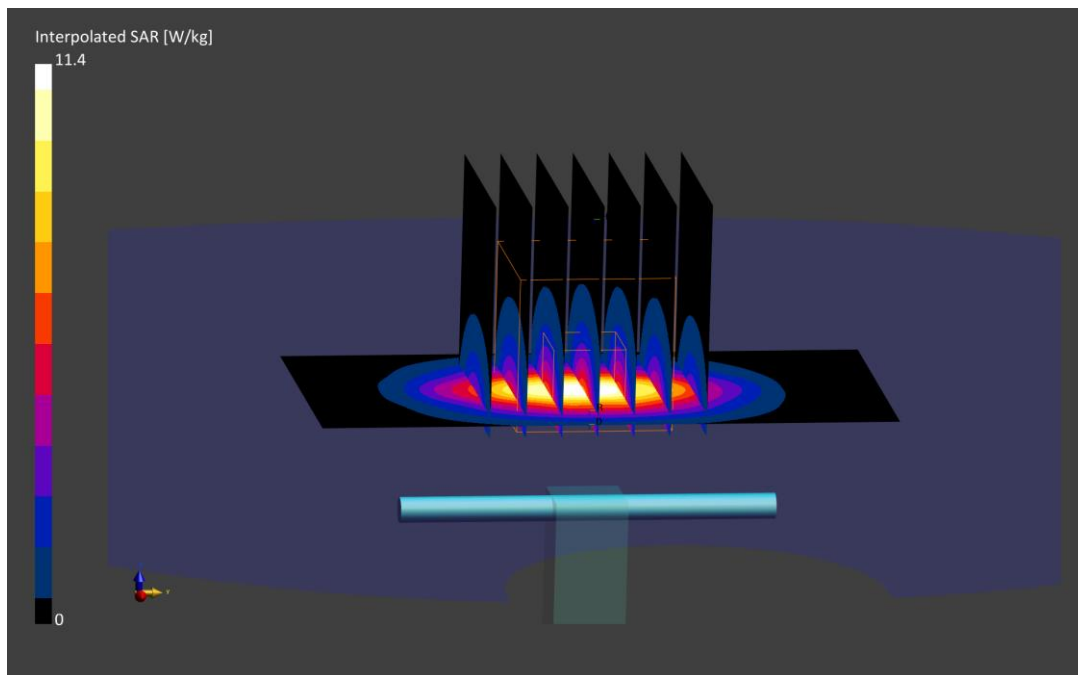
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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(10 g) = 2.46 W/kg

Deviation (10 g) = 3.53%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 750

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.82 S/m; perm = 39.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/14/2022; Ambient Temp: 23.4°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7308; ConvF:(7.94,7.94,7.94); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn467; Calibrated: 2022-02-24

Phantom: Twin-SAM V8.0; Serial: 2029

Measurement SW: DASY Module SAR V16.0.2.136

2450 MHz System Verification at 20 dBm

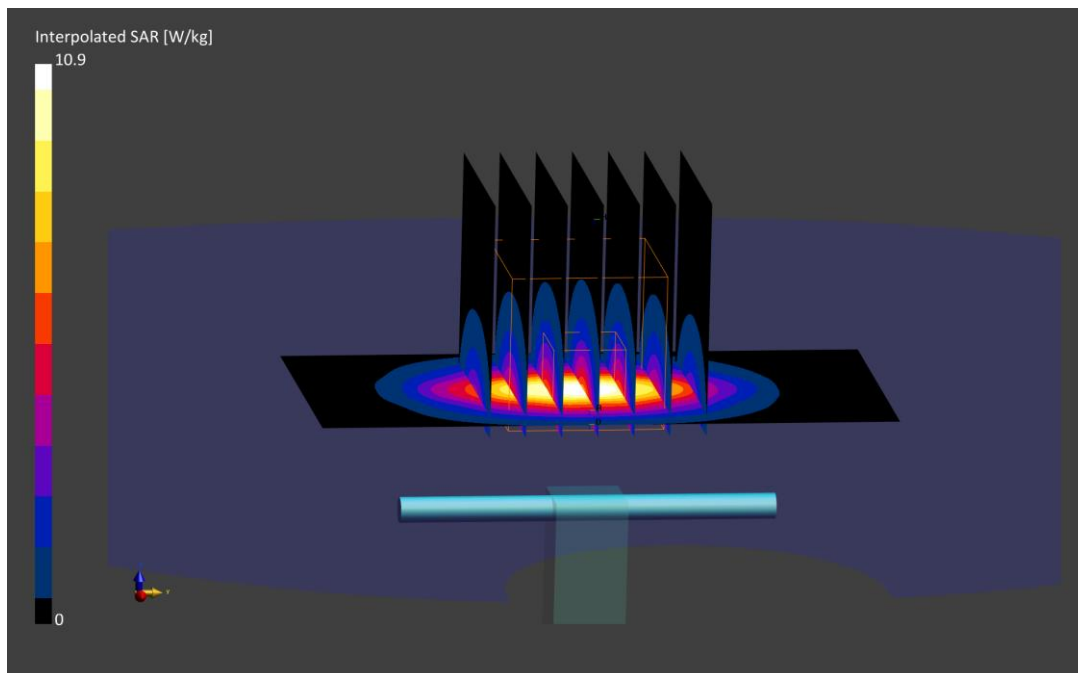
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 5.26 W/kg; SAR(10 g) = 2.44 W/kg

Deviation (1 g) = 0.00%; Deviation (10 g) = -0.41%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 921

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.86 S/m; perm = 38.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/14/2022; Ambient Temp: 23.50°C; Tissue Temp: 22.60°C

Probe: EX3DV4 - SN7427; ConvF:(7.28,7.28,7.28); 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 V16.0.2.136

2450 MHz System Verification at 20 dBm

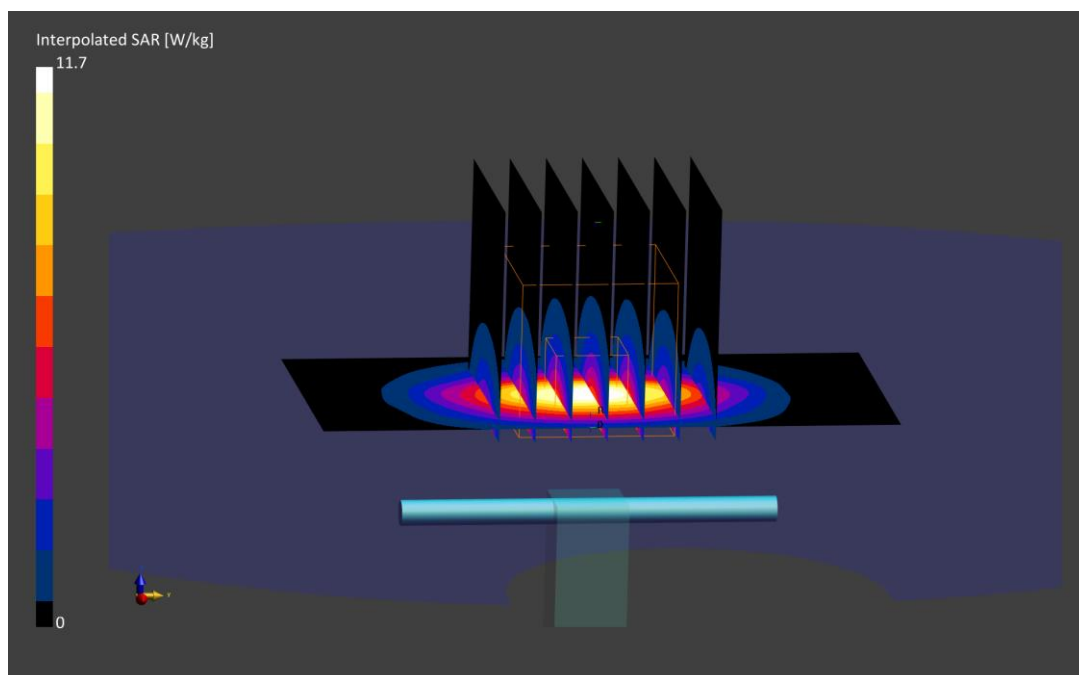
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 11.7 W/kg

SAR(1 g) = 5.23 W/kg

Deviation (1 g) = -3.51%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 921

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

Medium: 2450 Head; Medium parameters used:

$f = 2450.0$ MHz; $\text{cond} = 1.84$ S/m; $\text{perm} = 37.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 08/12/2022; Ambient Temp: 21.9°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7421; ConvF:(7.48,7.48,7.48); Calibrated: 2022-03-22

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

Electronics: DAE4 Sn604; Calibrated: 2022-03-22

Phantom: Twin-SAM V4.0; Serial: 1275

Measurement SW: DASY Module SAR V16.0.2.136

2450 MHz System Verification at 20 dBm

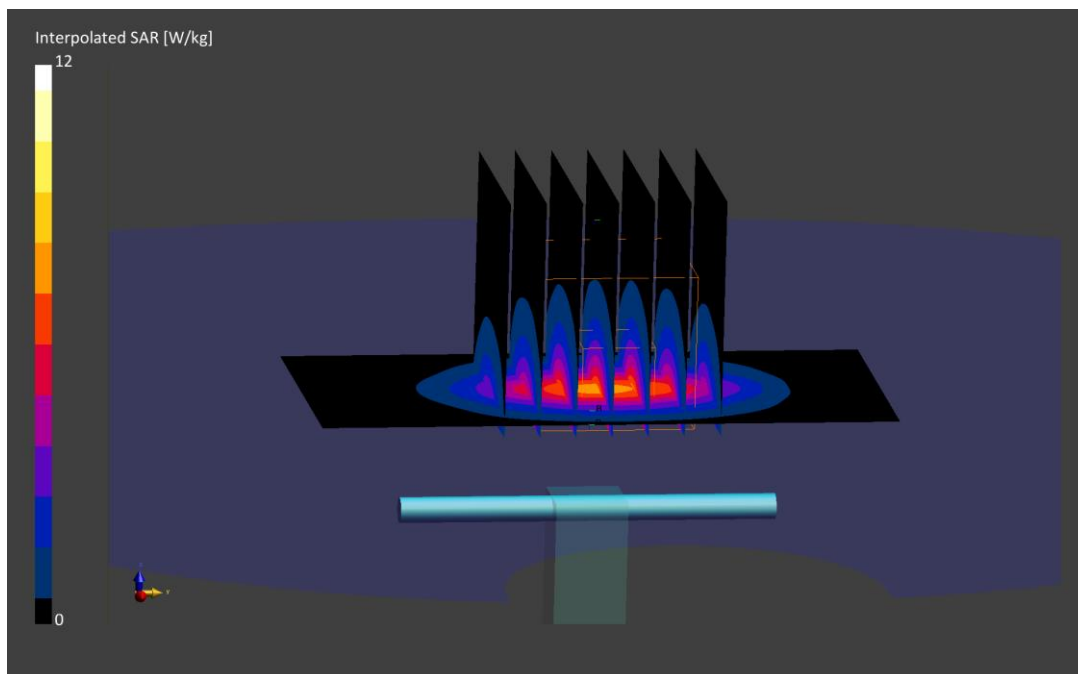
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 5.75 W/kg

Deviation (1 g) = 6.09%



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2; Serial: 1042

Communication System: UID: 0, CW; Frequency: 2600.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2600.0$ MHz; $\text{cond} = 1.89$ S/m; $\text{perm} = 39.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/10/2022; Ambient Temp: 23.3°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3837; ConvF:(6.98,6.98,6.98); 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 V16.0.2.136

2600 MHz System Verification at 20 dBm

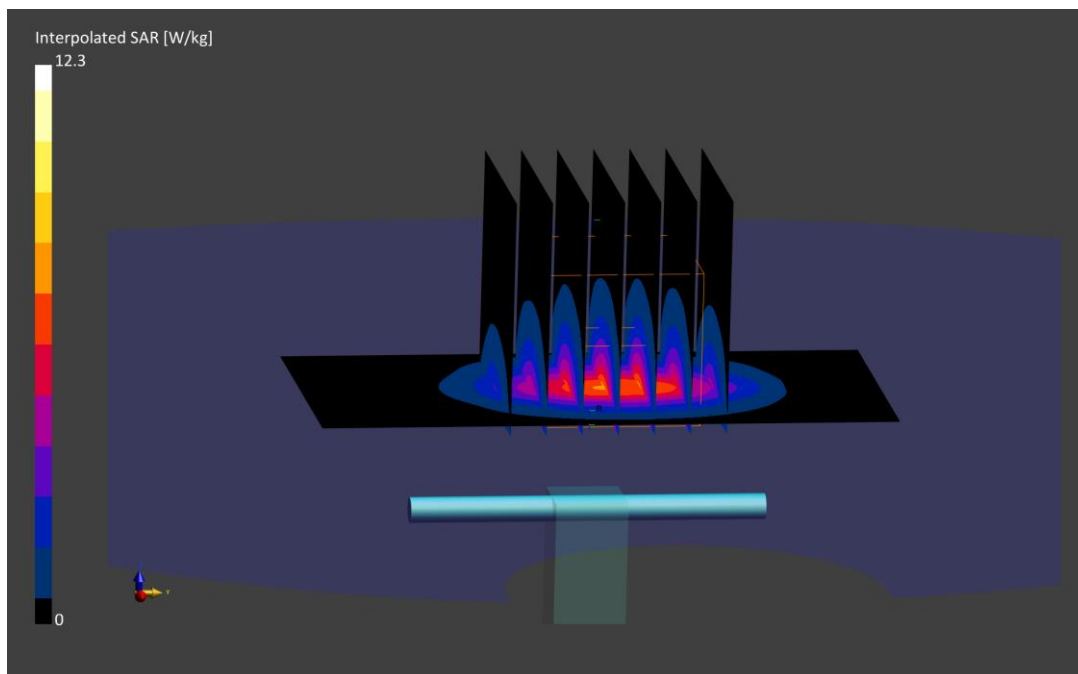
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 5.86 W/kg

Deviation (1 g) = 5.02%



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2; Serial: 1042

Communication System: UID: 0, CW; Frequency: 2600.0 MHz

Medium: 2450 Head; Medium parameters used:

f = 2600.0 MHz; cond = 1.90 S/m; perm = 39.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/12/2022; Ambient Temp: 23.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3837; ConvF:(6.98,6.98,6.98); 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 V16.0.2.136

2600 MHz System Verification at 20 dBm

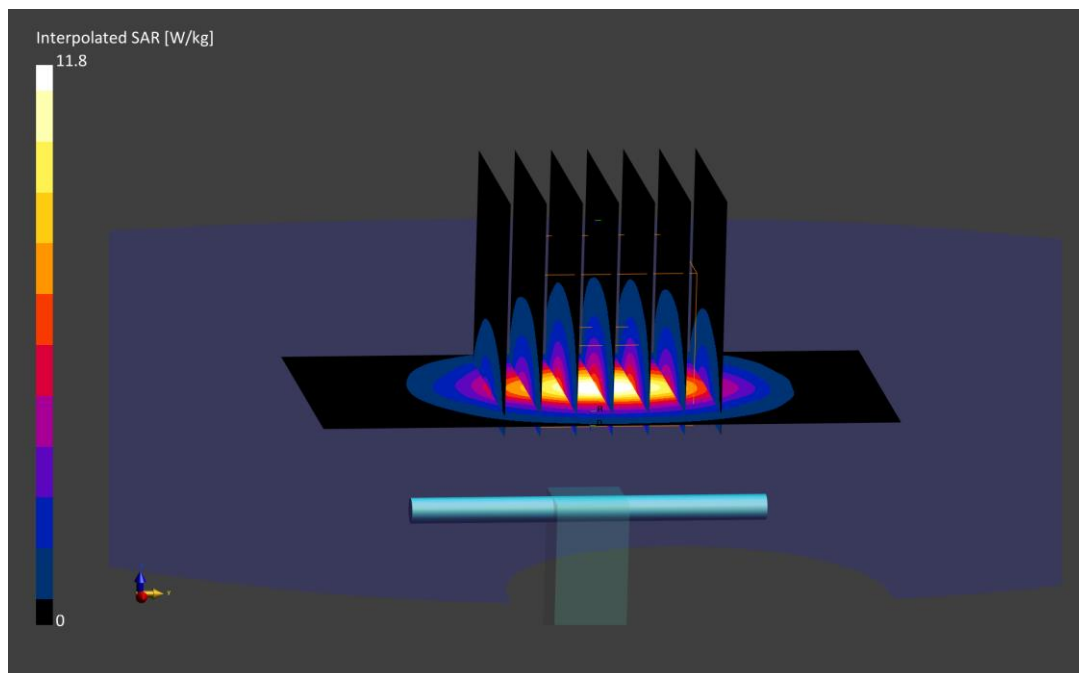
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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(10 g) = 2.56 W/kg

Deviation (10 g) = 2.81%



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2; Serial: 1042

Communication System: UID: 0, CW; Frequency: 2600.0 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2600.0$ MHz; $\text{cond} = 1.94$ S/m; $\text{perm} = 39.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/14/2022; Ambient Temp: 23.4°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7308; ConvF:(7.85,7.85,7.85); Calibrated: 2022-02-21

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

Electronics: DAE4 Sn467; Calibrated: 2022-02-24

Phantom: Twin-SAM V8.0; Serial: 2029

Measurement SW: DASY Module SAR V16.0.2.136

2600 MHz System Verification at 20 dBm

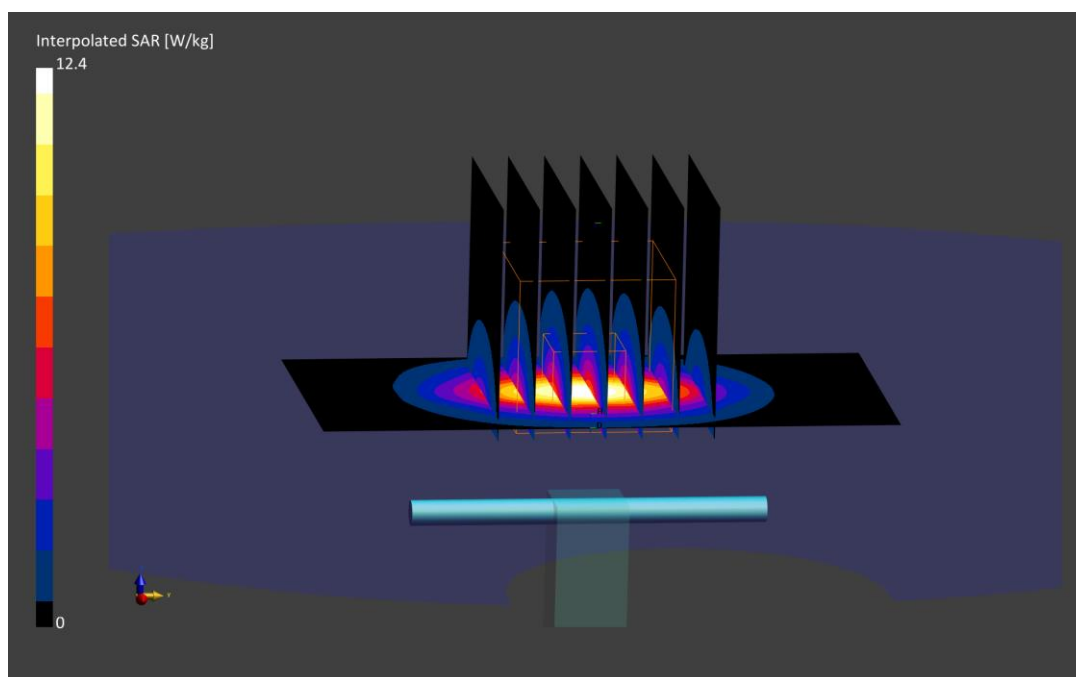
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 5.70 W/kg; SAR(10 g) = 2.55 W/kg

Deviation (1 g) = 2.15%; Deviation (10 g) = 2.41%



ELEMENT

DUT: Dipole 5250.0 MHz; Type: D5GHzV2; Serial: 1123

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

Medium: 5200-5800 Head; Medium parameters used:

$f = 5250.0$ MHz; $\text{cond} = 4.51$ S/m; $\text{perm} = 34.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/06/2022; Ambient Temp: 21.6°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7638; ConvF:(5.59,5.59,5.59); Calibrated: 2022-03-22

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

Electronics: DAE4 Sn1408; Calibrated: 2022-03-21

Phantom: Twin-SAM V8.0; Serial: 2027

Measurement SW: DASY Module SAR V16.0.2.136

5250 MHz System Verification at 17 dBm

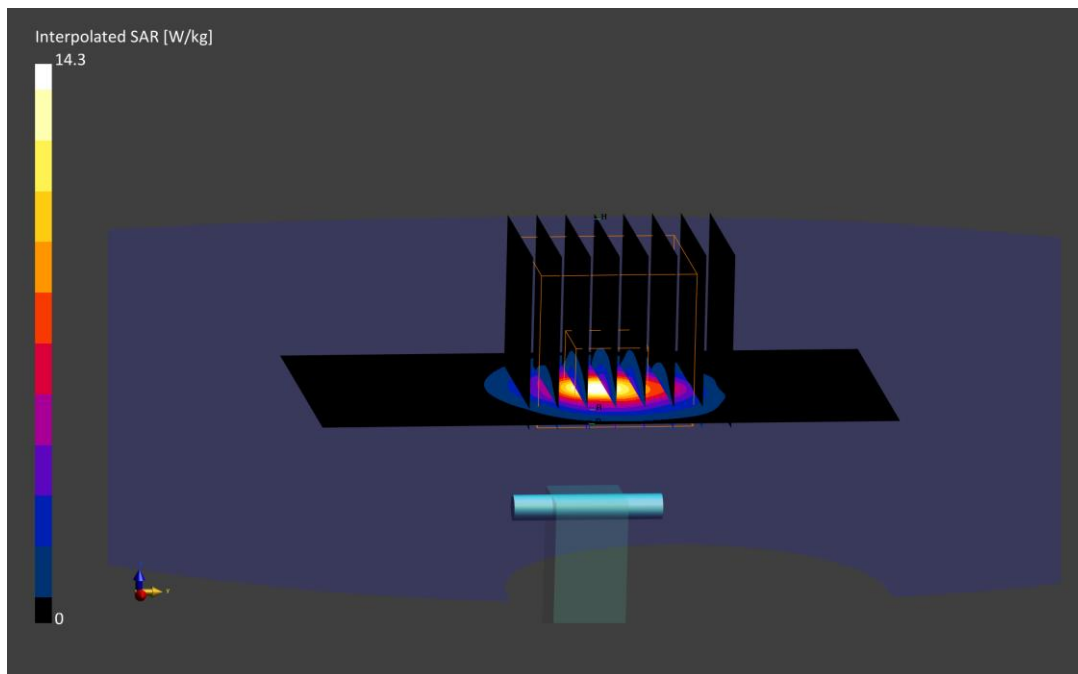
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 14.3 W/kg

SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.08 W/kg

Deviation (1 g) = -5.84%; Deviation (10 g) = -5.68%



ELEMENT

DUT: Dipole 5600.0 MHz; Type: D5GHzV2; Serial: 1123

Communication System: UID: 0, CW; Frequency: 5600.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

f = 5600.0 MHz; cond = 4.90 S/m; perm = 34.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/06/2022; Ambient Temp: 21.6°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7638; ConvF:(4.96,4.96,4.96); Calibrated: 2022-03-22

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

Electronics: DAE4 Sn1408; Calibrated: 2022-03-21

Phantom: Twin-SAM V8.0; Serial: 2027

Measurement SW: DASY Module SAR V16.0.2.136

5600 MHz System Verification at 17 dBm

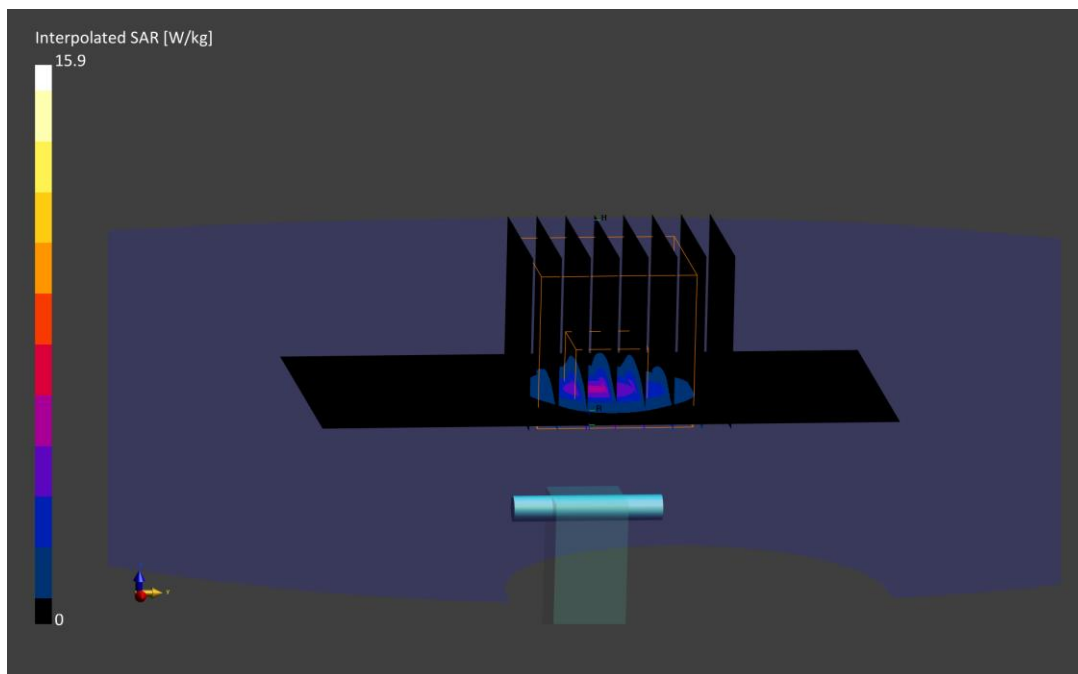
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 15.9 W/kg

SAR(1 g) = 3.90 W/kg; SAR(10 g) = 1.11 W/kg

Deviation (1 g) = -6.81%; Deviation (10 g) = -6.33%



ELEMENT

DUT: Dipole 5750.0 MHz; Type: D5GHzV2; Serial: 1123

Communication System: UID: 0, CW; Frequency: 5750.0 MHz

Medium: 5200-5800 Head; Medium parameters used:

$f = 5750.0$ MHz; $\text{cond} = 5.06$ S/m; $\text{perm} = 33.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/06/2022; Ambient Temp: 21.6°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7638; ConvF:(5.18,5.18,5.18); Calibrated: 2022-03-22

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

Electronics: DAE4 Sn1408; Calibrated: 2022-03-21

Phantom: Twin-SAM V8.0; Serial: 2027

Measurement SW: DASY Module SAR V16.0.2.136

5750 MHz System Verification at 17 dBm

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) = 15.8 W/kg

SAR(1 g) = 3.81 W/kg; SAR(10 g) = 1.09 W/kg

Deviation (1 g) = -5.34%; Deviation (10 g) = -3.96%;

