

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; $\text{cond} = 0.717$ S/m; $\text{perm} = 52.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 0 mm

Test Date: 07/06/2023; Ambient Temp: 21.6°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7417; ConvF:(18.67,18.67,18.67); Calibrated: 2023-02-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2023-02-15
Phantom: ELI V8.0 (20deg probe tilt); Serial: 2077
Measurement SW: DASY Module SAR V16.2.0.1425

13.0 MHz System Verification at 30.0 dBm (1.00 W)

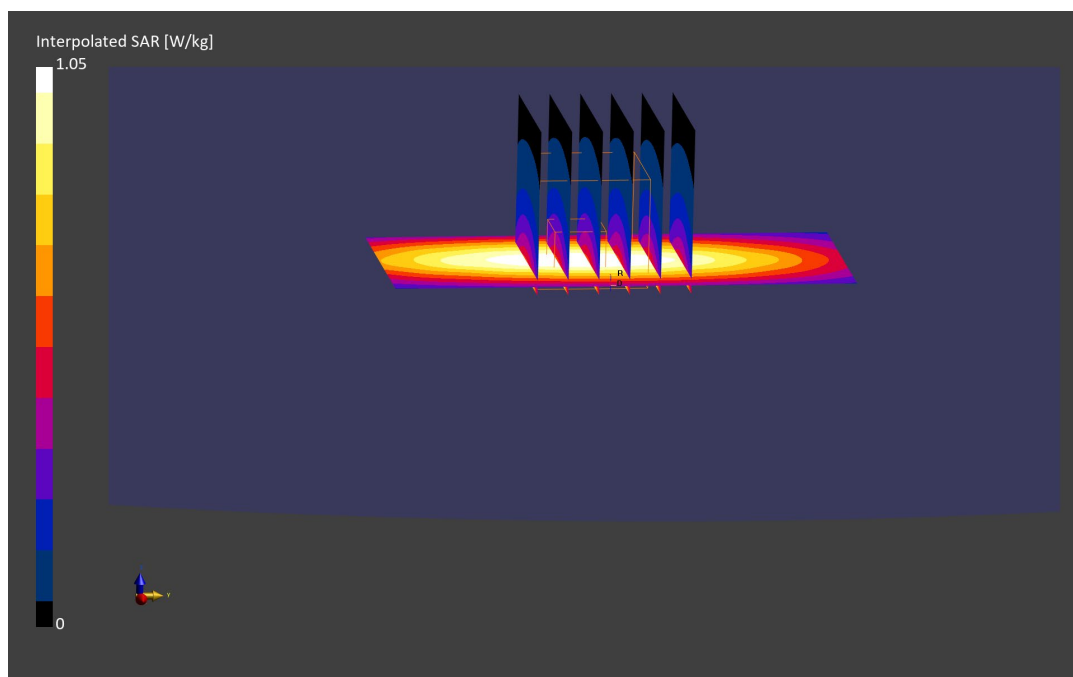
Area Scan (40.0 x 90.0): Measurement grid: $\text{dx}=10.0$ mm, $\text{dy}=15.0$ mm

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) = 1.05 W/kg

SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.314 W/kg

Deviation (1 g) = -8.80%; Deviation (10 g) = -9.25%



ELEMENT

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

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.884 \text{ S/m}$; $\epsilon_r = 42.747$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/08/2023; Ambient Temp: 22.6°C; Tissue Temp: 23.1°C

Probe: EX3DV4 - SN7637; ConvF(10.29, 10.29, 10.29) @ 750 MHz; Calibrated: 3/16/2023

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/16/2023

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)

750 MHz System Verification at 23.0 dBm (200 mW)

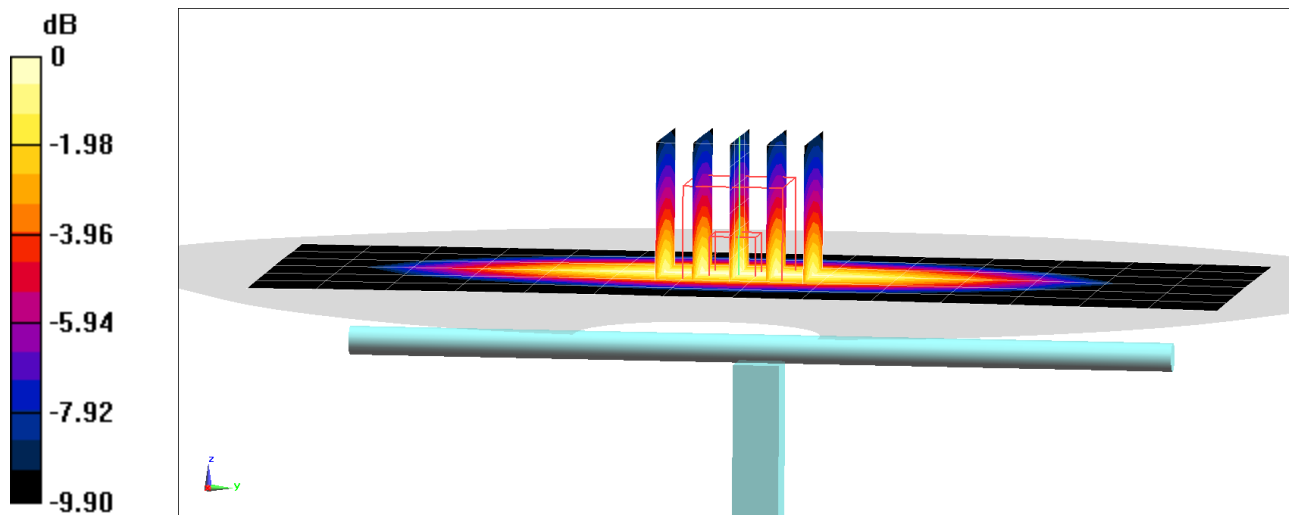
Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 2.44 W/kg

SAR(1 g) = 1.73 W/kg; SAR(10 g) = 1.16 W/kg

Deviation(1 g) = -0.46%; Deviation(10 g) = 1.75%



0 dB = 2.24 W/kg = 3.50 dBW/kg

ELEMENT

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

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.871 \text{ S/m}$; $\epsilon_r = 41.674$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Test Date: 06/12/2023; Ambient Temp: 21.2°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7637; ConvF(10.29, 10.29, 10.29) @ 750 MHz; Calibrated: 3/16/2023

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/16/2023

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)

750 MHz System Verification at 23.0 dBm (200 mW)

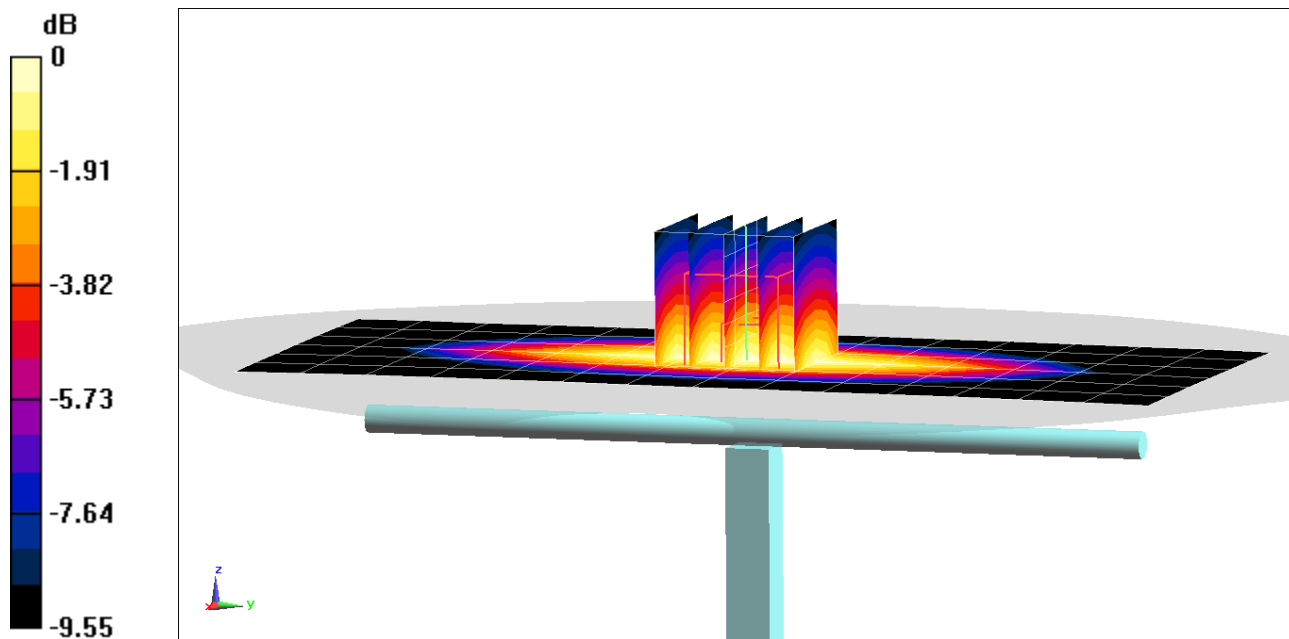
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 1.64 W/kg; SAR(10 g) = 1.12 W/kg

Deviation(1 g) = -3.30%; Deviation(10 g) = 0.72%



0 dB = 2.09 W/kg = 3.20 dBW/kg

ELEMENT

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

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.869 \text{ S/m}$; $\epsilon_r = 42.317$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/14/2023; Ambient Temp: 22.7°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7637; ConvF(10.29, 10.29, 10.29) @ 750 MHz; Calibrated: 3/16/2023

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/16/2023

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)

750 MHz System Verification at 23.0 dBm (200 mW)

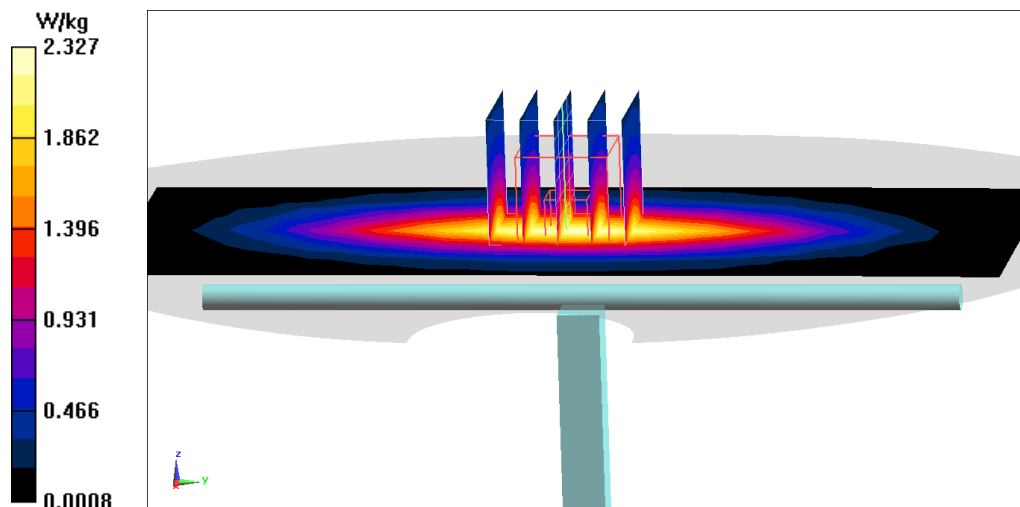
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 1.77 W/kg; SAR(10 g) = 1.19 W/kg

Deviation(1 g) = 1.84%; Deviation(10 g) = 4.39%



ELEMENT

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

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 42.766$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/19/2023; Ambient Temp: 22.1°C; Tissue Temp: 22.5°C

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

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

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

750 MHz System Verification at 23.0 dBm (200 mW)

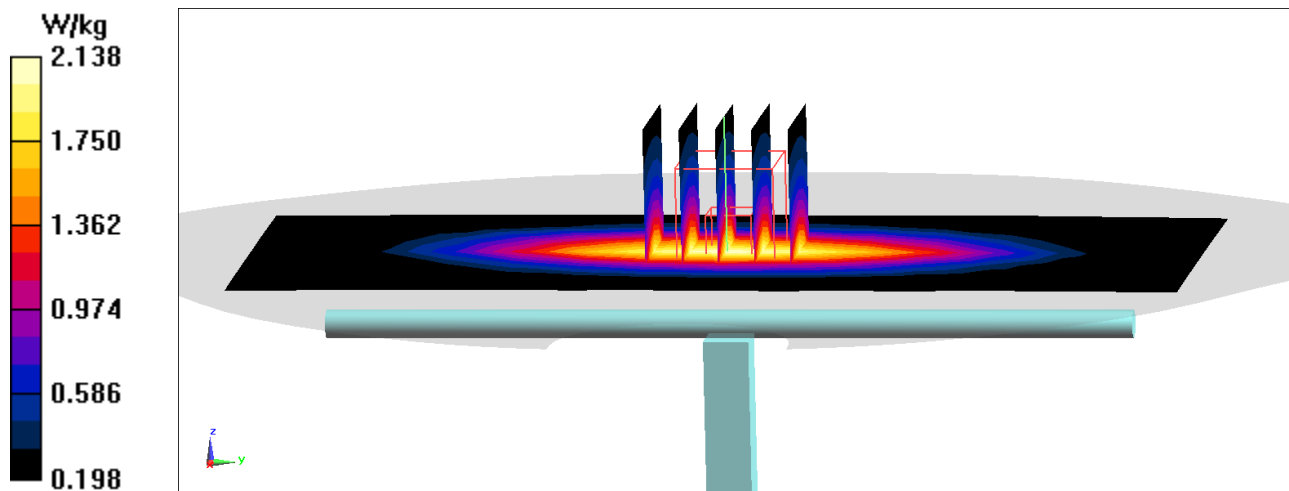
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.42 W/kg

SAR(1 g) = 1.61 W/kg; SAR(10 g) = 1.07 W/kg

Deviation(1 g) = -7.36%; Deviation(10 g) = -6.14%



ELEMENT

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

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

Medium: 750 Head Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.869 \text{ S/m}$; $\epsilon_r = 41.184$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/21/2023; Ambient Temp: 22.1°C; Tissue Temp: 21.5°C

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

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

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

750 MHz System Verification at 23.0 dBm (200 mW)

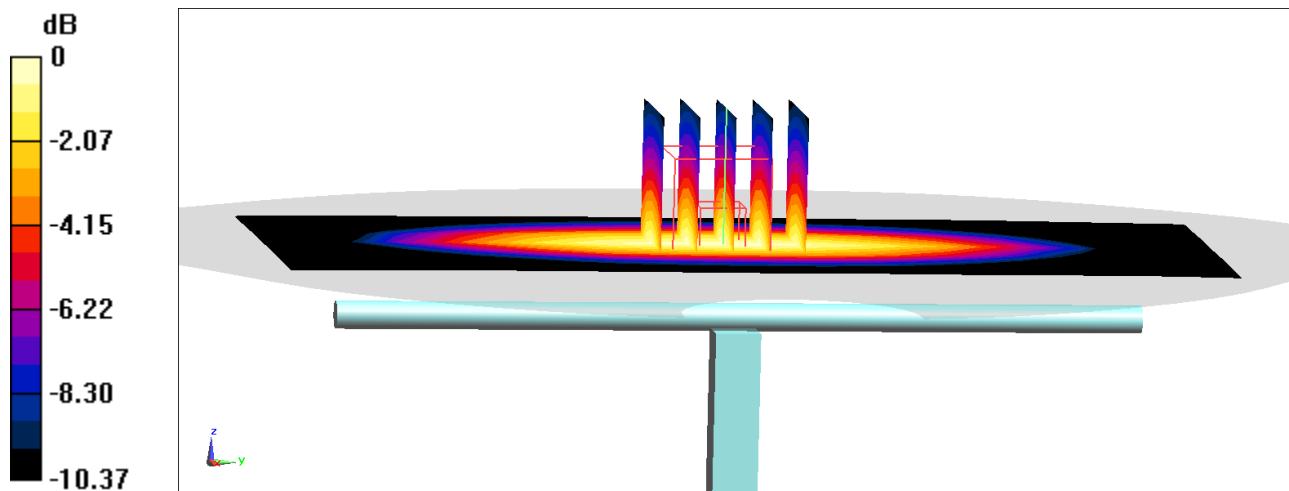
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.43 W/kg

SAR(1 g) = 1.63 W/kg; SAR(10 g) = 1.08 W/kg

Deviation(1 g) = -6.21%; Deviation(10 g) = -5.26%



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

ELEMENT

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d119

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

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 40.639$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/07/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.7°C

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

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

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

835 MHz System Verification at 23.0 dBm (200 mW)

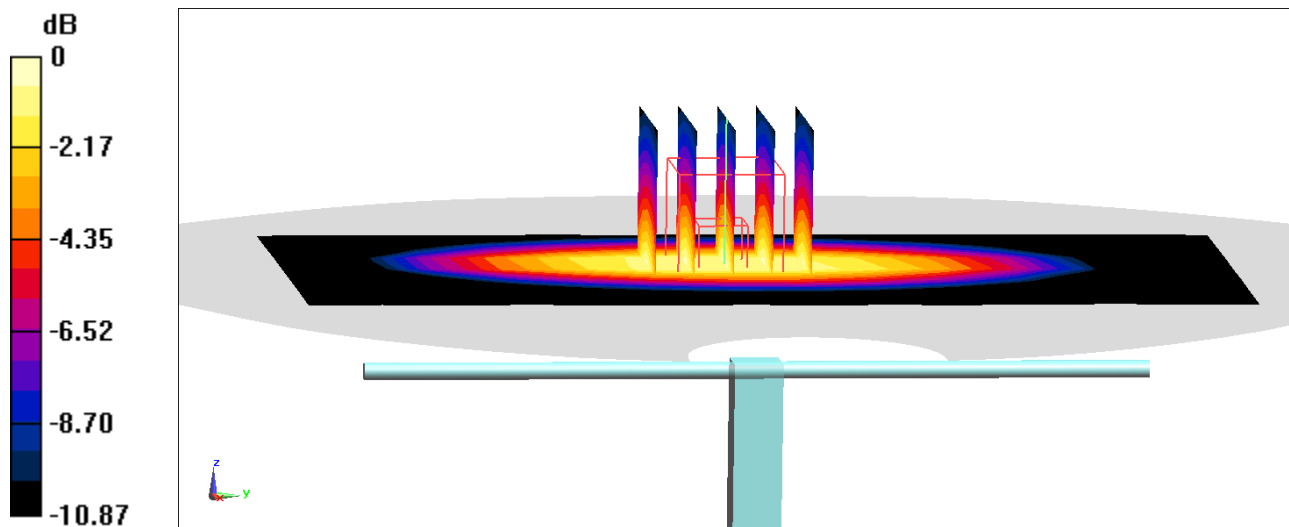
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.89 W/kg

SAR(1 g) = 1.86 W/kg; SAR(10 g) = 1.21 W/kg

Deviation(1 g) = -4.32%; Deviation(10 g) = -5.17 %



0 dB = 2.54 W/kg = 4.05 dBW/kg

ELEMENT

DUT: 835 MHz Dipole; Type: D835V2; Serial: 4d119

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

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.883 \text{ S/m}$; $\epsilon_r = 40.16$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/12/2023; Ambient Temp: 22.4°C; Tissue Temp: 20.6°C

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

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

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

835 MHz System Verification at 23.0 dBm (200 mW)

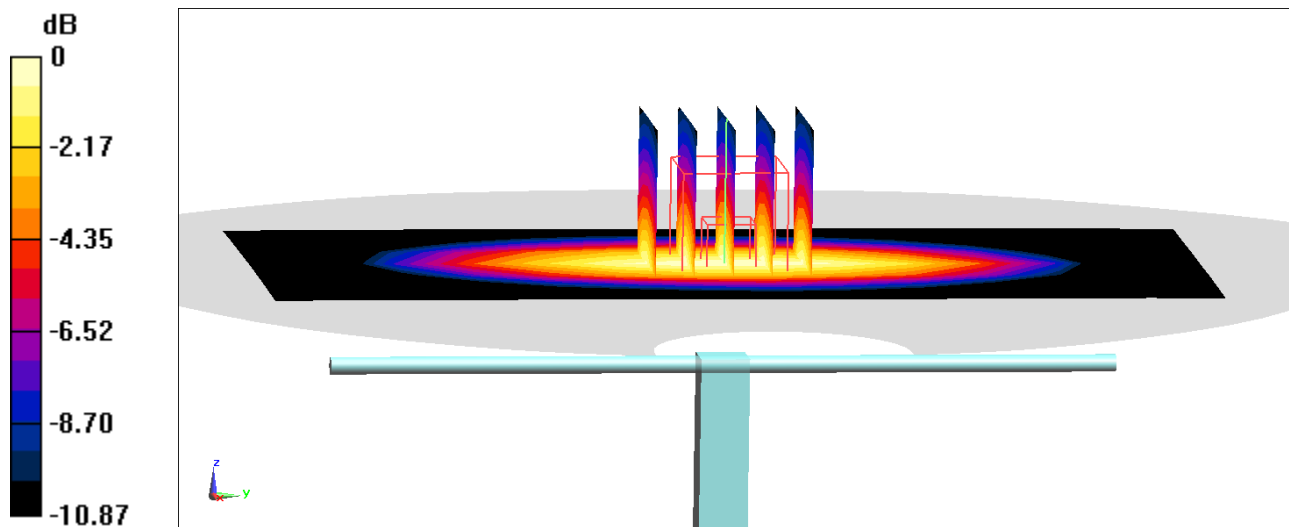
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.88 W/kg

SAR(1 g) = 1.9 W/kg; SAR(10 g) = 1.24 W/kg

Deviation(1 g) = -2.26%; Deviation(10 g) = -2.82%



0 dB = 2.54 W/kg = 4.05 dBW/kg

ELEMENT

DUT: D835 MHz Dipole; Type: D835V2; Serial: SN4d119

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

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 39.73$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/14/2023; Ambient Temp: 21.1°C; Tissue Temp: 20.9°C

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

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

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

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

835 MHz System Verification at 23.0 dBm (200 mW)

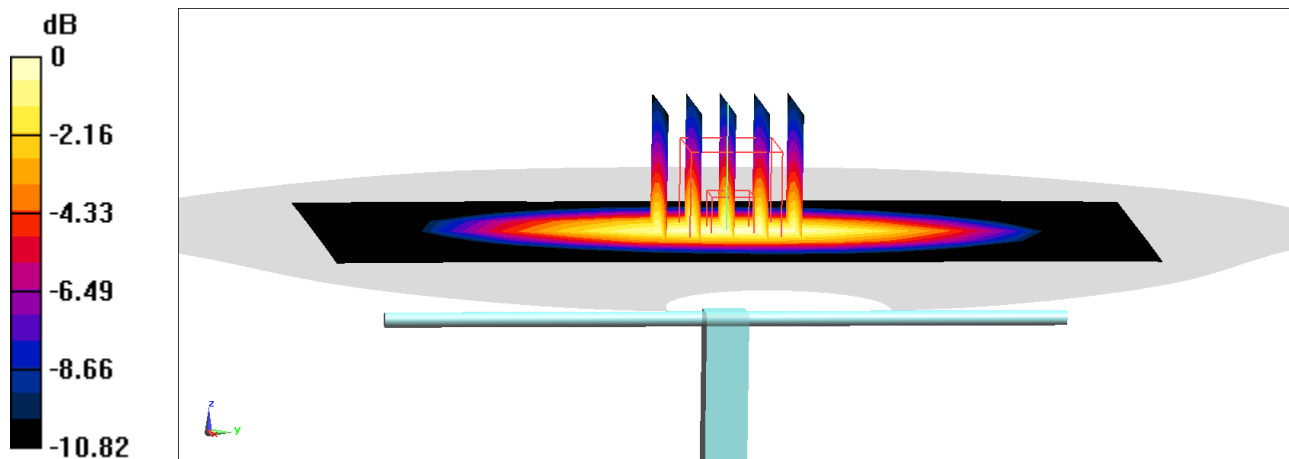
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.87 W/kg

SAR(1 g) = 1.91 W/kg; SAR(10 g) = 1.25 W/kg

Deviation(1 g) = -1.75%; Deviation(10 g) = -2.04%



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

ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d132

Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.888 S/m; perm = 41.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 06/15/2023; Ambient Temp: 22.3°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7713; ConvF:(10.17,10.17,10.17); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

835 MHz System Verification at 23 dBm (200 mW)

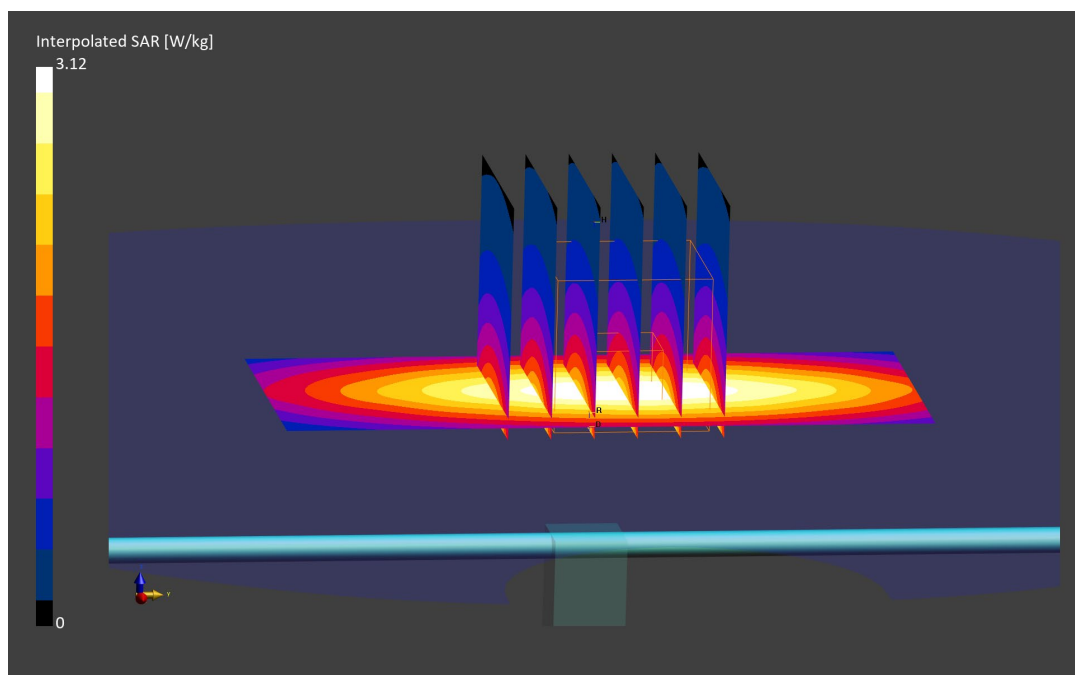
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 3.12 W/kg

SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.32 W/kg

Deviation (1 g) = 4.55%; Deviation (10 g) = 5.26%;



ELEMENT

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d119

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

Medium: 835 Head Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 40.149$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/20/2023; Ambient Temp: 22.4°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7637; ConvF(10.23, 10.23, 10.23) @ 835 MHz; Calibrated: 3/16/2023

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1652; Calibrated: 3/16/2023

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)

835 MHz System Verification at 23.0 dBm (200 mW)

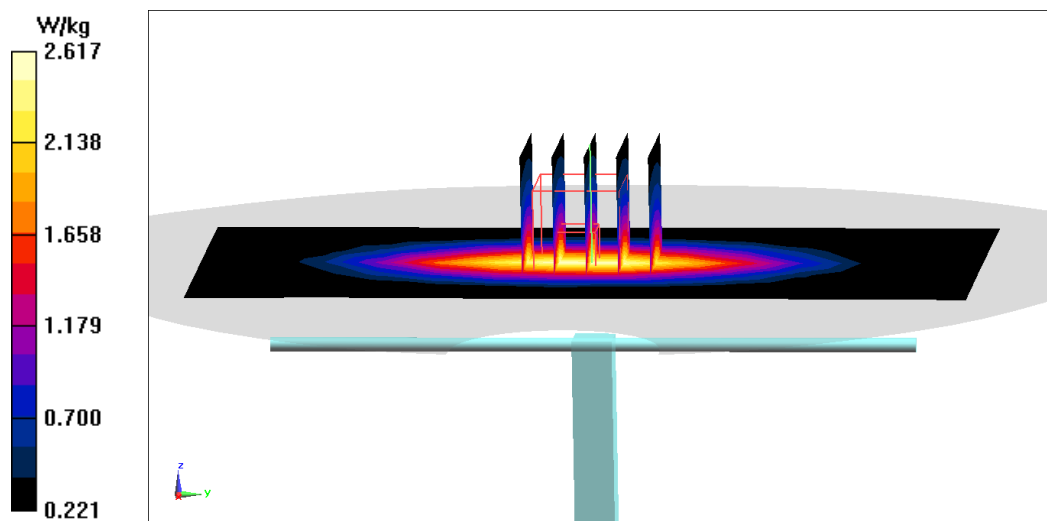
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 1.98 W/kg; SAR(10 g) = 1.3 W/kg

Deviation(1 g) = 1.85%; Deviation(10 g) = 1.88%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d132

Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.866 S/m; perm = 41.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 06/22/2023; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(9.86,9.86,9.86); Calibrated: 2022-07-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.0.1425

835 MHz System Verification at 23 dBm (200 mW)

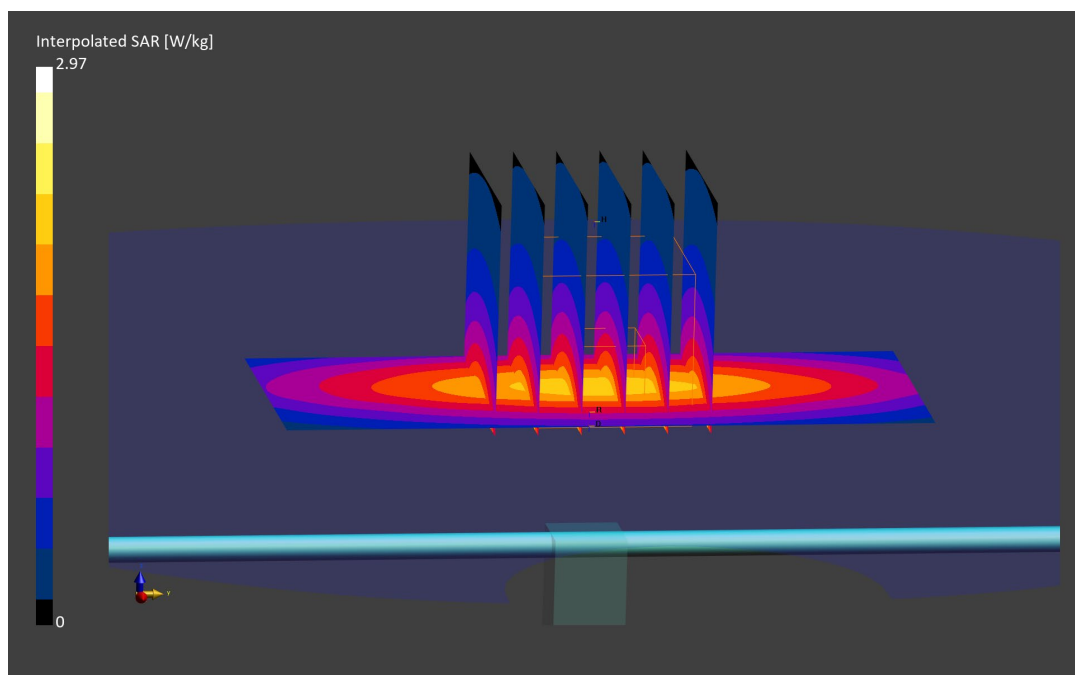
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 2.97 W/kg

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

Deviation (1 g) = -4.76%; Deviation (10 g) = -4.31%;



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1051

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.30 S/m; perm = 41.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/12/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7547; ConvF:(8.16,8.16,8.16); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

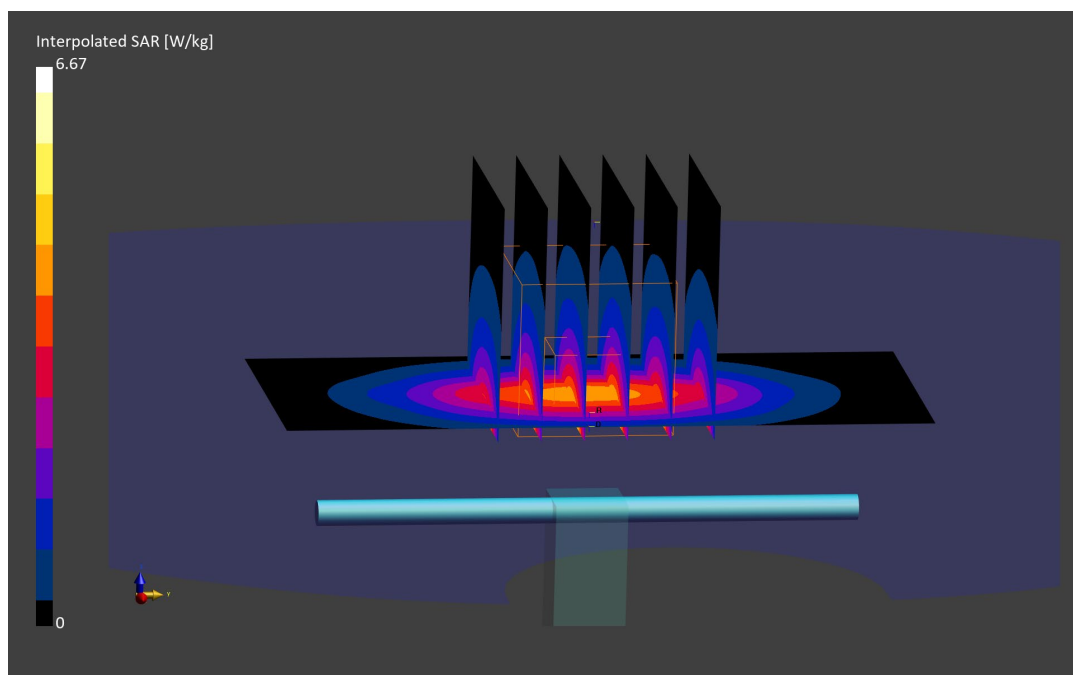
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 6.67 W/kg

SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.95 W/kg

Deviation (1 g) = 0.28%; Deviation (10 g) = 2.63%;



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1148

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.31 S/m; perm = 40.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

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

Probe: EX3DV4 - SN7410; ConvF:(8.34,8.34,8.34); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

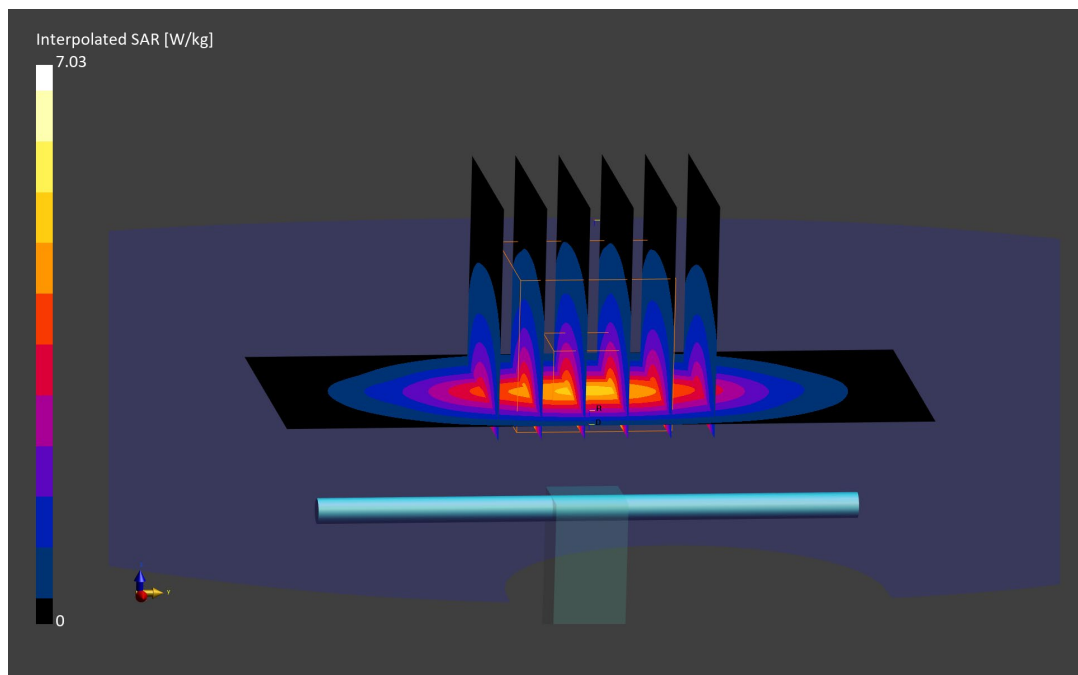
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.03 W/kg

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

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



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1051

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.31 S/m; perm = 39.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/21/2023; Ambient Temp: 21.0°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7547; ConvF:(8.16,8.16,8.16); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

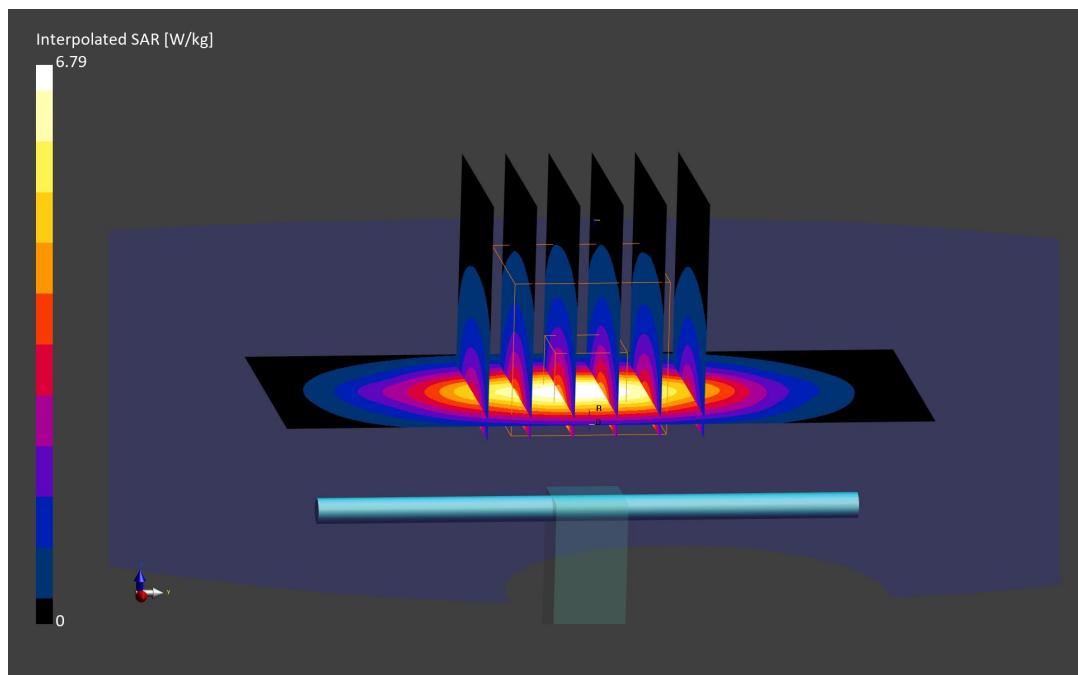
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 6.78 W/kg

SAR(1 g) = 3.67 W/kg; SAR(10 g) = 1.98 W/kg

Deviation (1 g) = 1.66%; Deviation (10 g) = 4.21%;



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1051

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.43 S/m; perm = 39.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/29/2023; Ambient Temp: 22.0°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7547; ConvF:(8.16,8.16,8.16); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

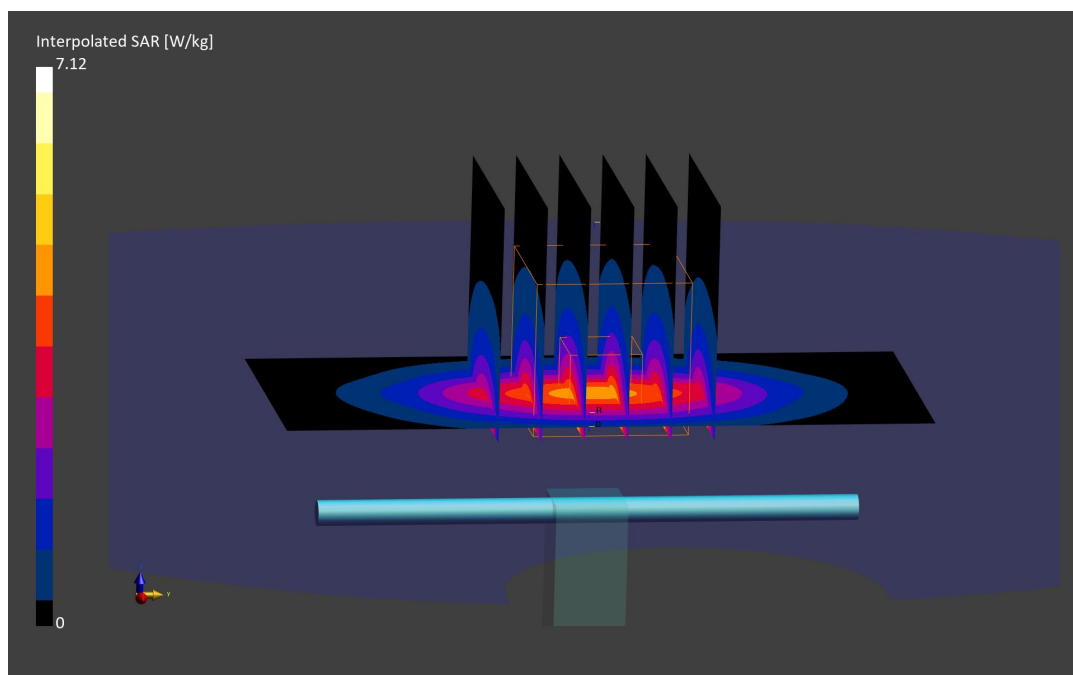
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.12 W/kg

SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.96 W/kg

Deviation (1 g) = 3.88%; Deviation (10 g) = 3.16%;



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1092

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.37 S/m; perm = 38.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/20/2023; Ambient Temp: 20.1°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7565; ConvF:(8.23,8.23,8.23); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

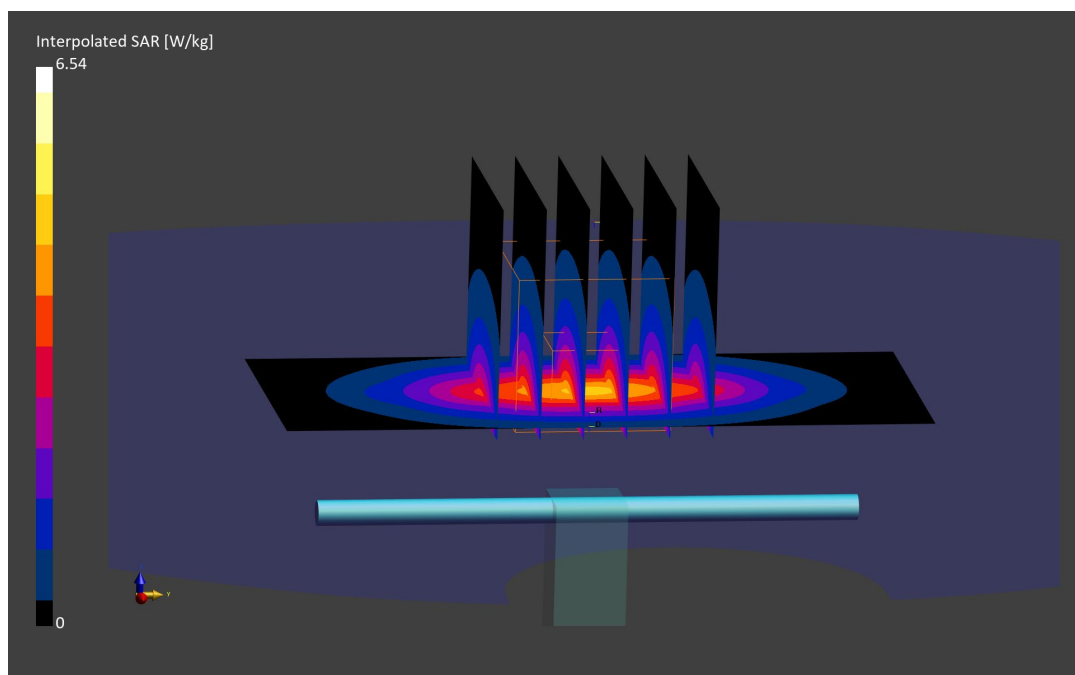
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 6.54 W/kg

SAR(1 g) = 3.56 W/kg; SAR(10 g) = 1.88 W/kg

Deviation (1 g) = -1.66%; Deviation (10 g) = -1.57%;



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1148

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.39 S/m; perm = 39.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/23/2023; Ambient Temp: 22.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7551; ConvF:(8.53,8.53,8.53); Calibrated: 2022-11-11
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1323; Calibrated: 2022-11-10
Phantom: Twin-SAM V8.0; Serial: 2057
Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

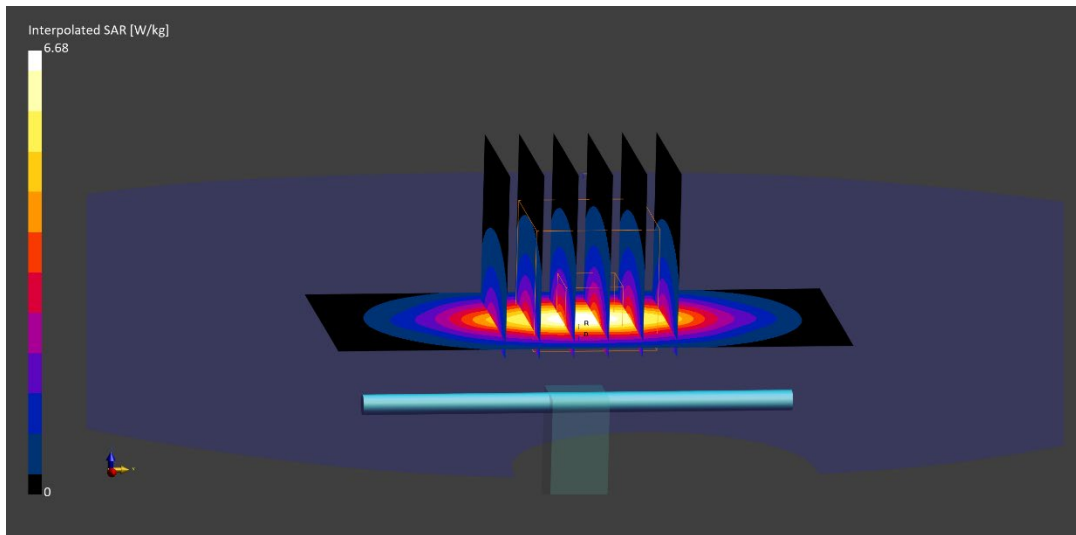
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 6.68 W/kg

SAR(1 g) = 3.61 W/kg; SAR(10 g) = 1.91 W/kg

Deviation (1 g) = -2.96%; Deviation (10 g) = -1.55%;



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1092

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.37 S/m; perm = 39.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/26/2023; Ambient Temp: 19.5°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7565; ConvF:(8.23,8.23,8.23); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 dBm (100 mW)

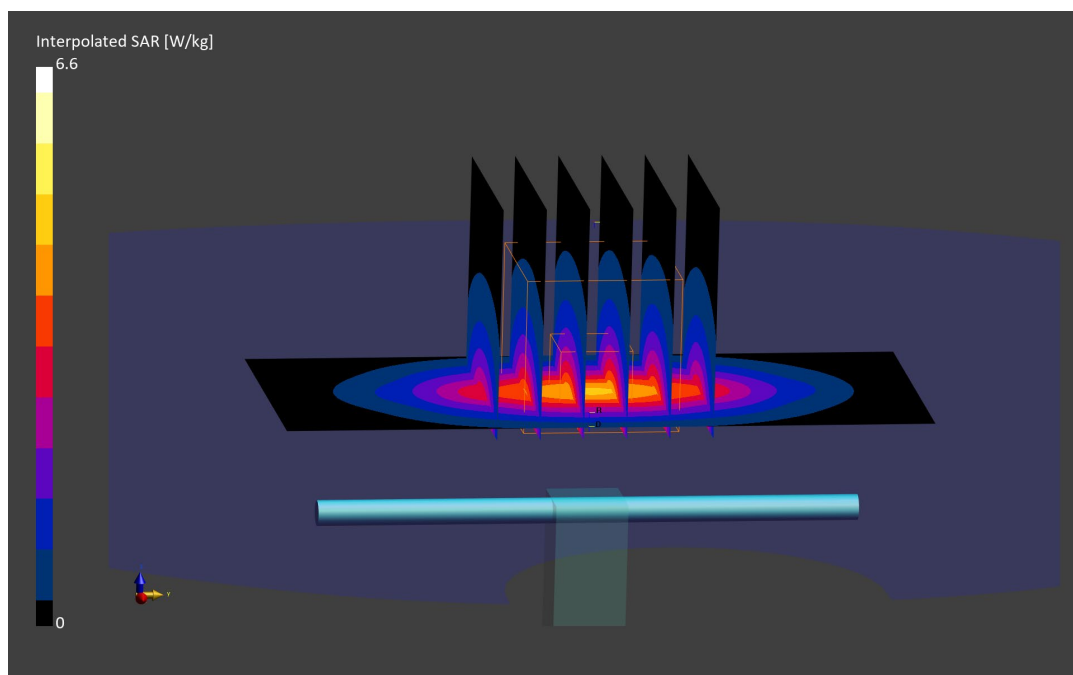
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 6.60 W/kg

SAR(1 g) = 3.58 W/kg; SAR(10 g) = 1.89 W/kg

Deviation (1 g) = -1.10%; Deviation (10 g) = -1.05%;



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d141

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.46 S/m; perm = 41.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/08/2023; Ambient Temp: 20.0°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7565; ConvF:(7.89,7.89,7.89); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

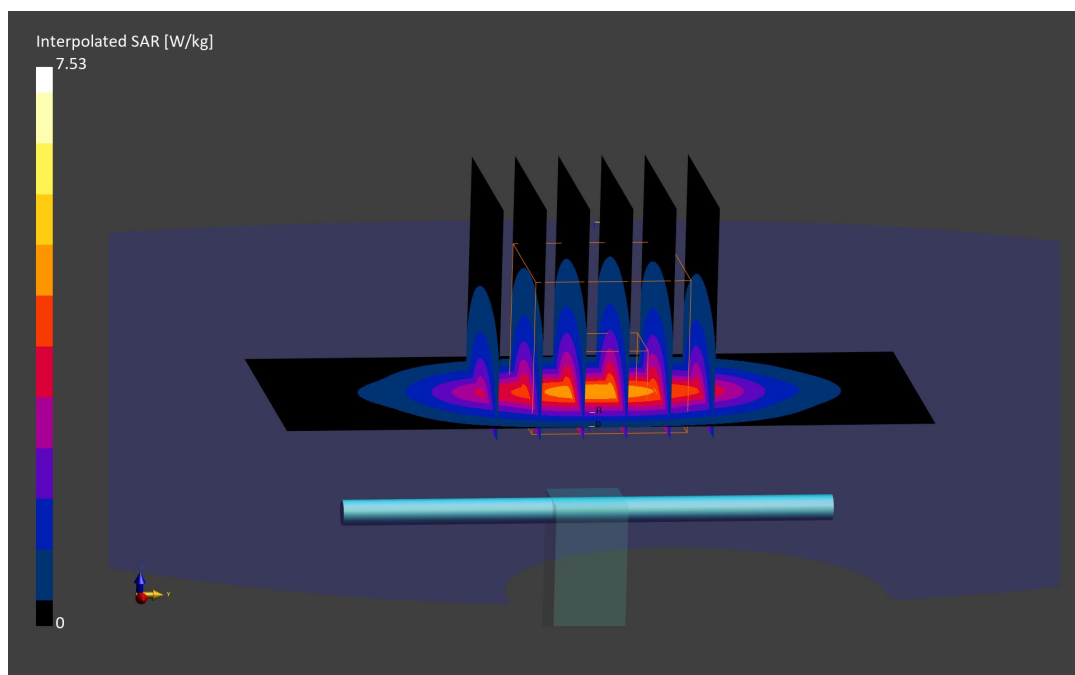
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.53 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.03 W/kg

Deviation (1 g) = -1.25%; Deviation (10 g) = -2.40%;



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d080

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.40 S/m; perm = 39.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

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

Probe: EX3DV4 - SN7570; ConvF:(8.28,8.28,8.28); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

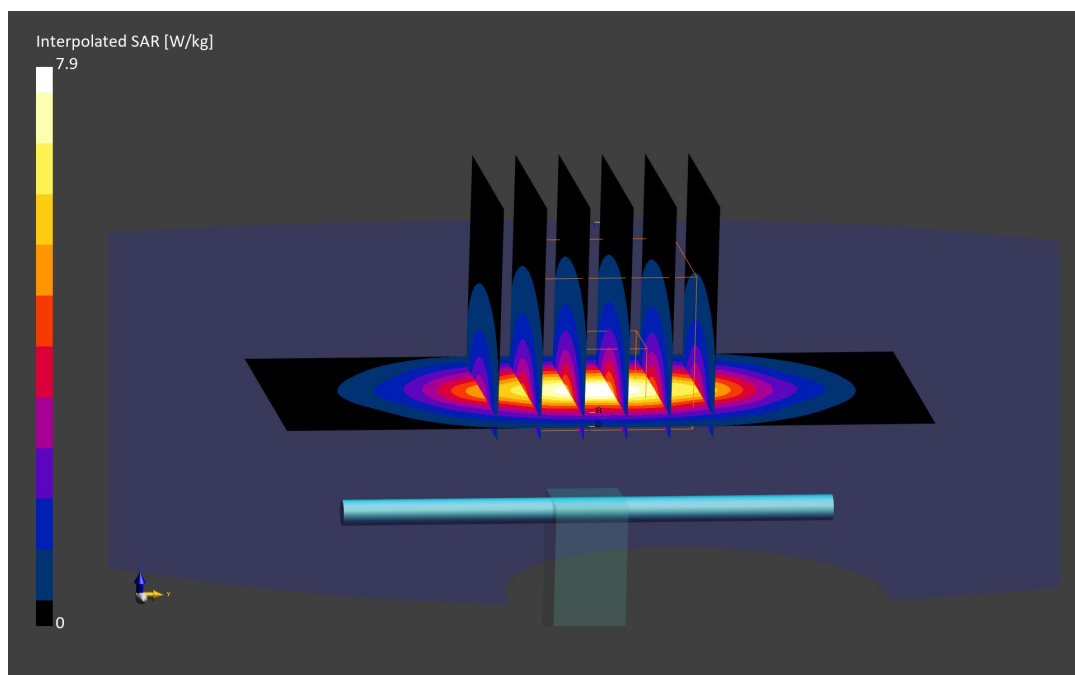
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.90 W/kg

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

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



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d141

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.39 S/m; perm = 40.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/14/2023; Ambient Temp: 22.3°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7547; ConvF:(7.81,7.81,7.81); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

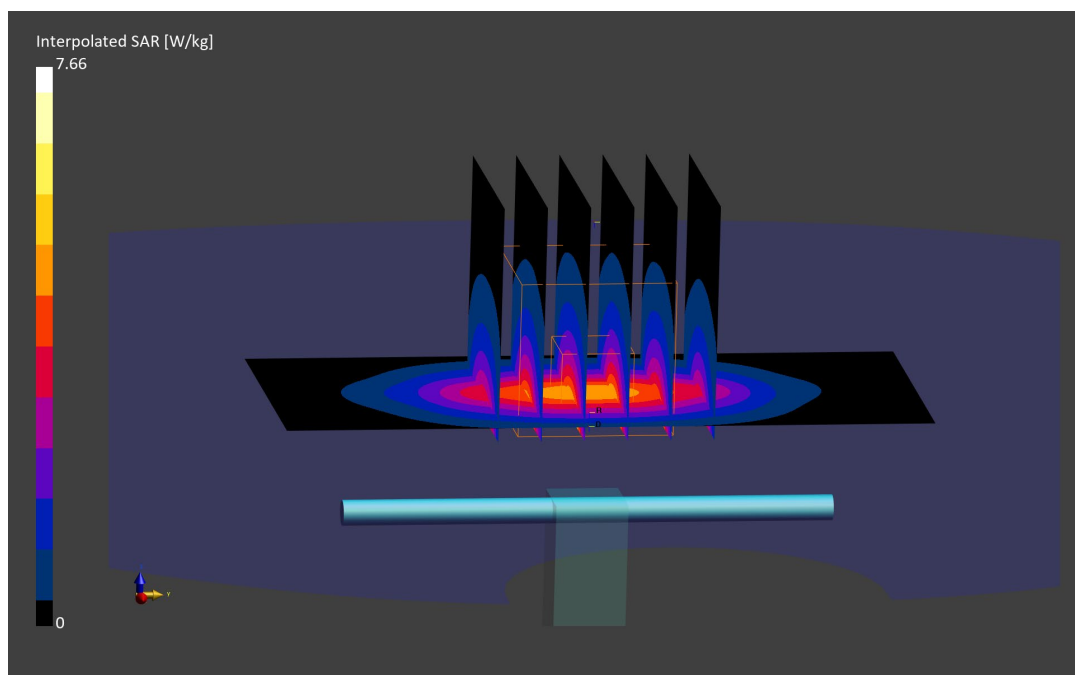
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 7.66 W/kg

SAR(1 g) = 4.10 W/kg; SAR(10 g) = 2.14 W/kg

Deviation (1 g) = 2.76%; Deviation (10 g) = 2.88%;



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.40 S/m; perm = 39.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/19/2023; Ambient Temp: 21.4°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

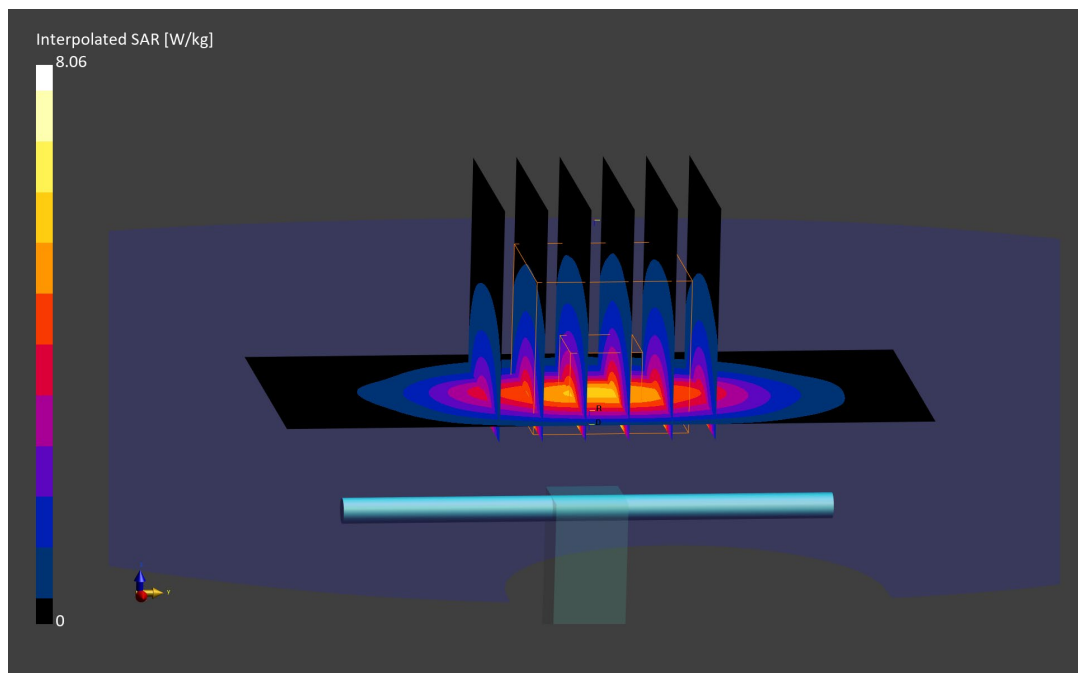
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 8.06 W/kg

SAR(1 g) = 4.34 W/kg; SAR(10 g) = 2.27 W/kg

Deviation (1 g) = 7.16%; Deviation (10 g) = 7.08%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d141

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.36 S/m; perm = 41.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/19/2023; Ambient Temp: 23.0°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7547; ConvF:(7.81,7.81,7.81); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

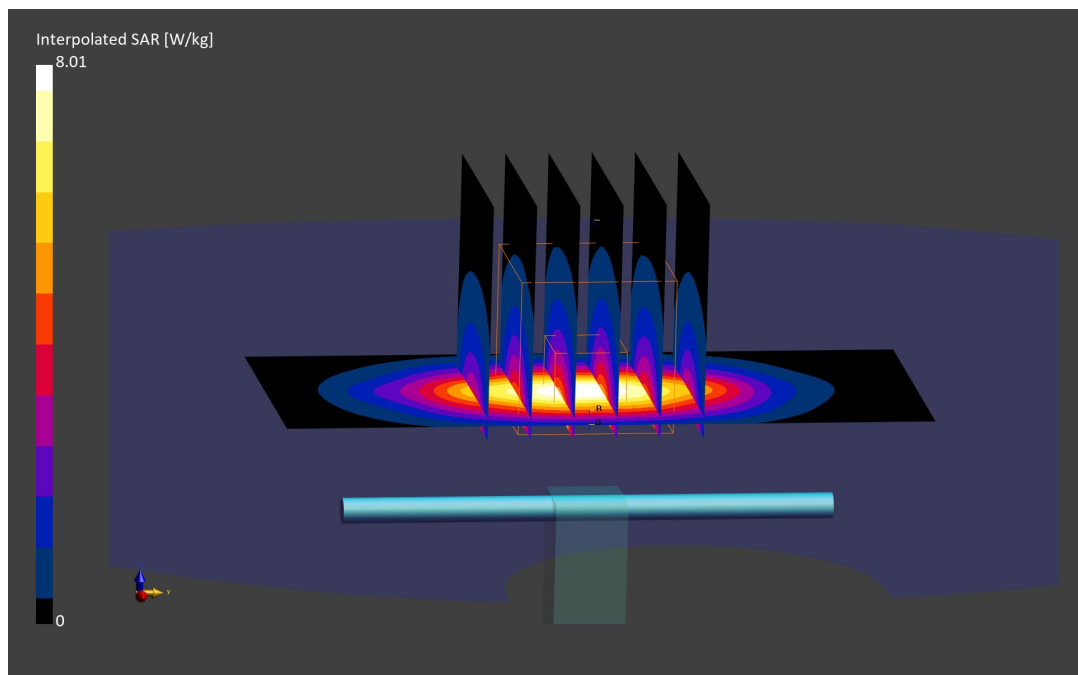
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 8.01 W/kg

SAR(1 g) = 4.19 W/kg; SAR(10 g) = 2.22 W/kg

Deviation (1 g) = 5.01%; Deviation (10 g) = 6.73%;



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.40 S/m; perm = 41.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/24/2023; Ambient Temp: 20.8°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7409; ConvF:(8.2,8.2,8.2); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

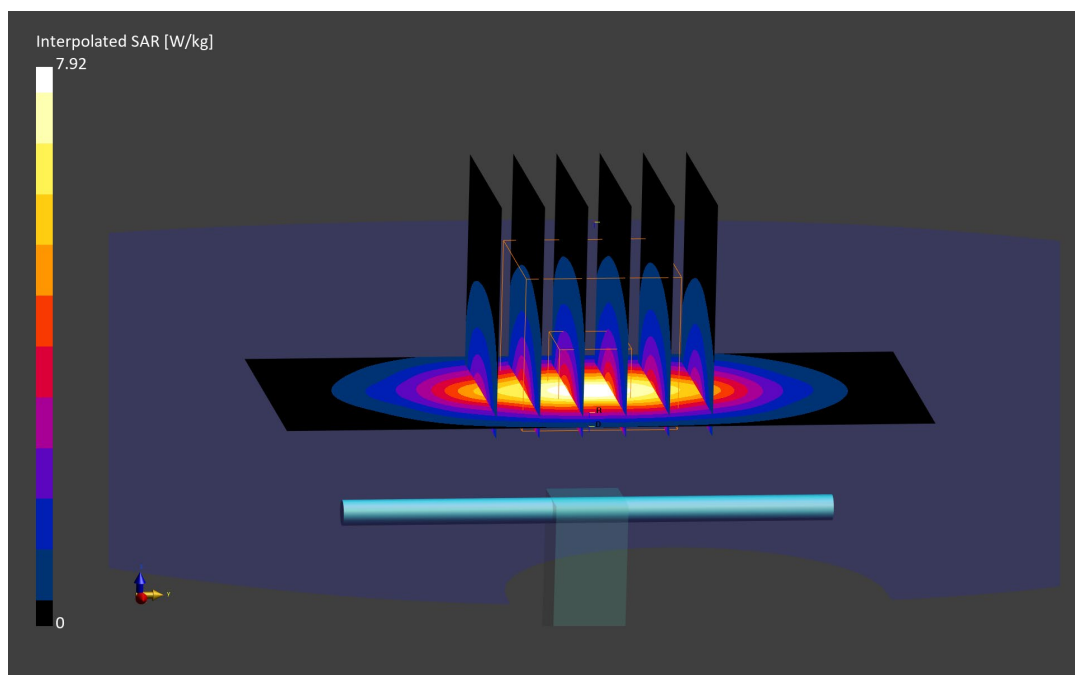
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 7.92 W/kg

SAR(1 g) = 4.02 W/kg; SAR(10 g) = 2.07 W/kg

Deviation (1 g) = -0.74%; Deviation (10 g) = -2.36%



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1073

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2300.0 MHz; cond = 1.75 S/m; perm = 38.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/15/2023; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(7.86,7.86,7.86); Calibrated: 2022-07-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.0.1425

2300 MHz System Verification at 20 dBm (100 mW)

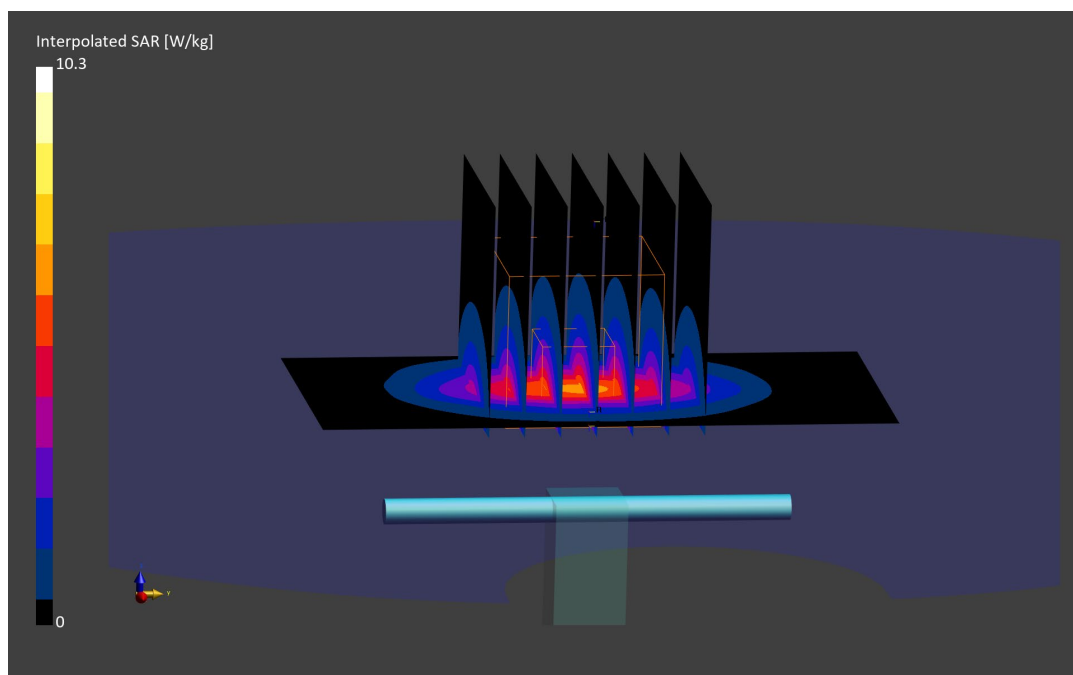
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 10.3 W/kg

SAR(1 g) = 4.94 W/kg; SAR(10 g) = 2.35 W/kg

Deviation (1 g) = 1.65%; Deviation (10 g) = -0.84%;



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1073

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2300.0 MHz; cond = 1.68 S/m; perm = 38.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/18/2023; Ambient Temp: 22.9°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7570; ConvF:(7.95,7.95,7.95); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

2300 MHz System Verification at 20 dBm (100 mW)

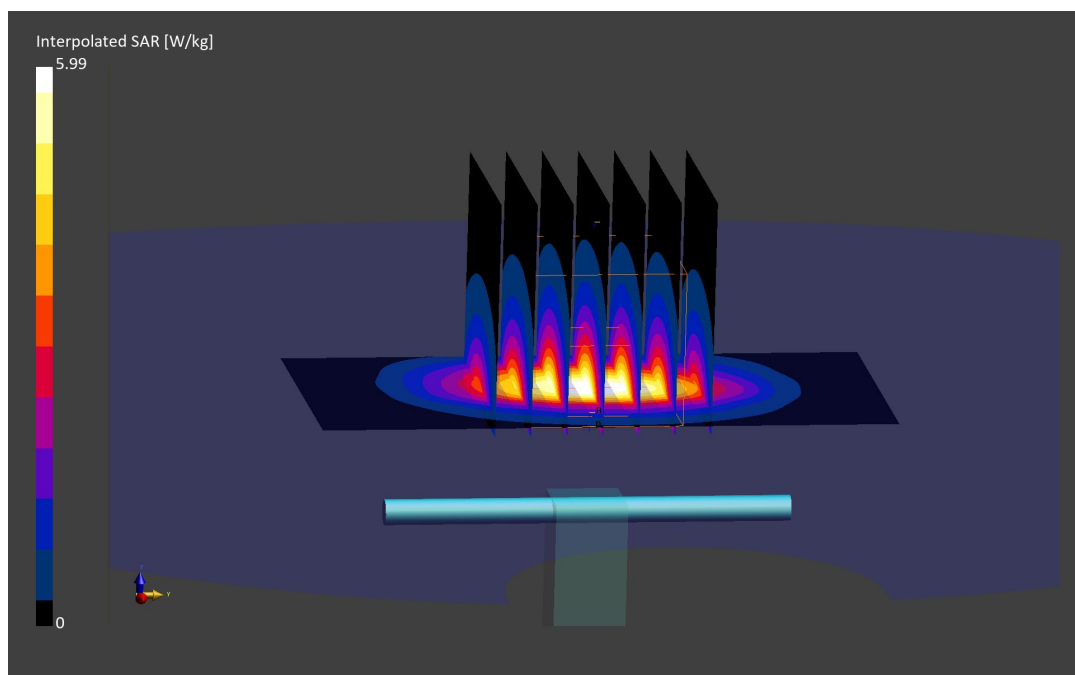
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 9.89 W/kg

SAR(1 g) = 4.81 W/kg; SAR(10 g) = 2.30 W/kg

Deviation (1 g) = -1.03%; Deviation (10 g) = -2.95%;



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1073

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2300.0 MHz; cond = 1.74 S/m; perm = 38.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/12/2023; Ambient Temp: 24.6°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7570; ConvF:(7.95,7.95,7.95); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

2300 MHz System Verification at 20 dBm (100 mW)

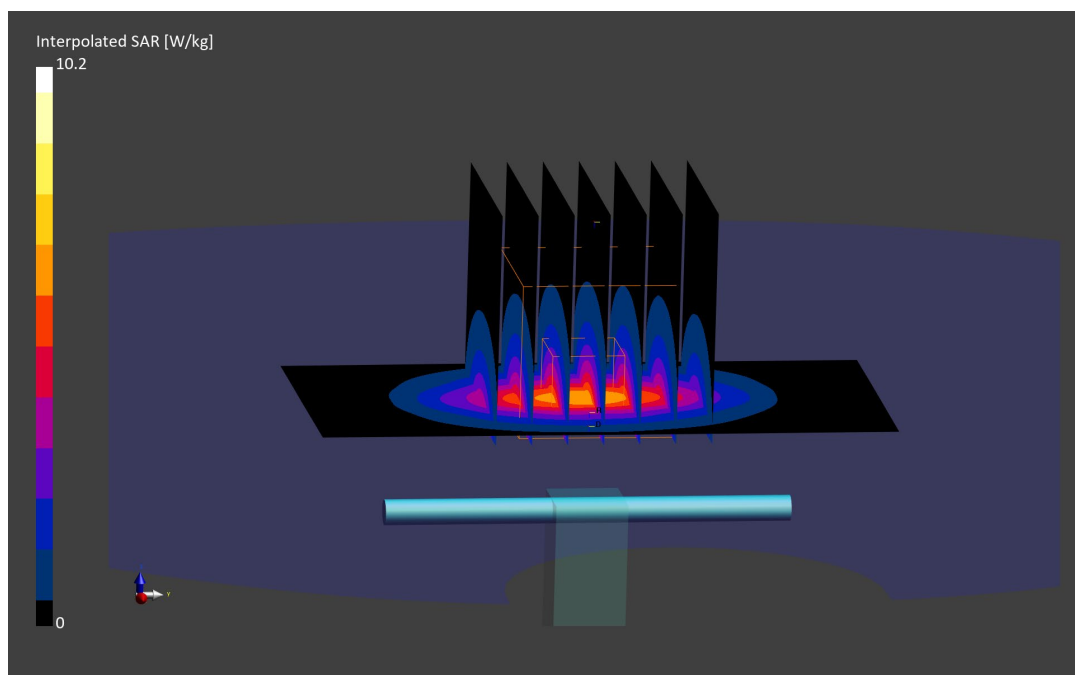
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 4.96 W/kg; SAR(10 g) = 2.36 W/kg

Deviation (1 g) = 2.06%; Deviation (10 g) = -0.42%;



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1073

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 = 39.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2023; Ambient Temp: 21.3°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7713; ConvF:(8.53,8.53,8.53); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

2300 MHz System Verification at 20 dBm (100 mW)

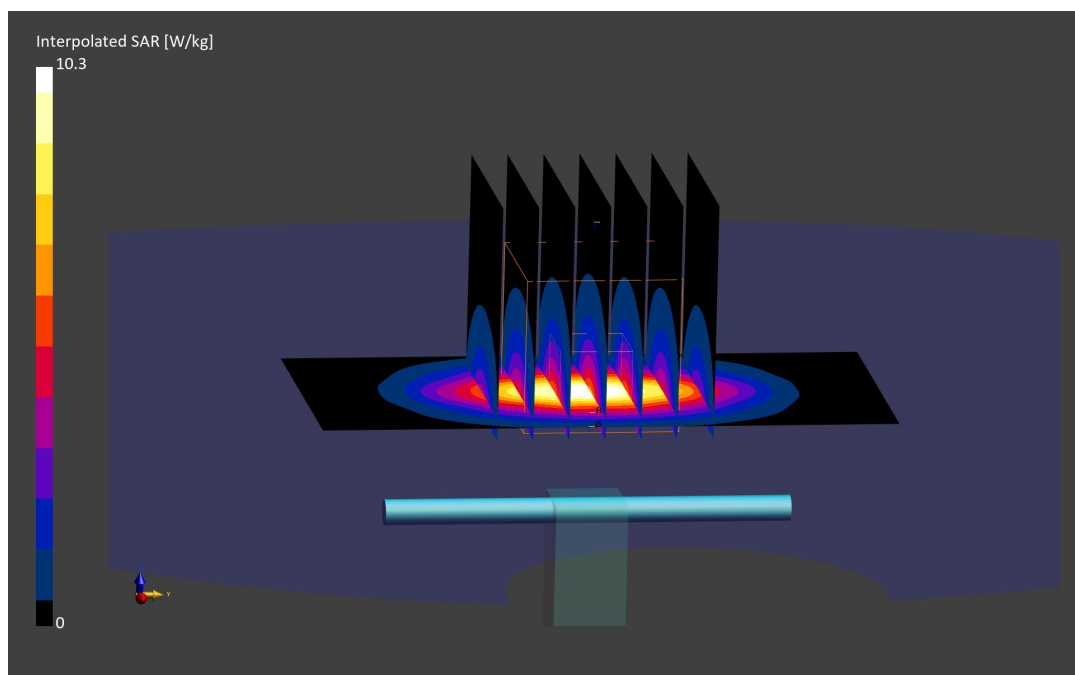
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 10.3 W/kg

SAR(1 g) = 5.05 W/kg; SAR(10 g) = 2.42 W/kg

Deviation (1 g) = 3.91%; Deviation (10 g) = 2.11%;



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1073

Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2300.0 MHz; cond = 1.74 S/m; perm = 39.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 7/21/2023; Ambient Temp: 22.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7713; ConvF:(8.53,8.53,8.53); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

2300 MHz System Verification at 20 dBm (100 mW)

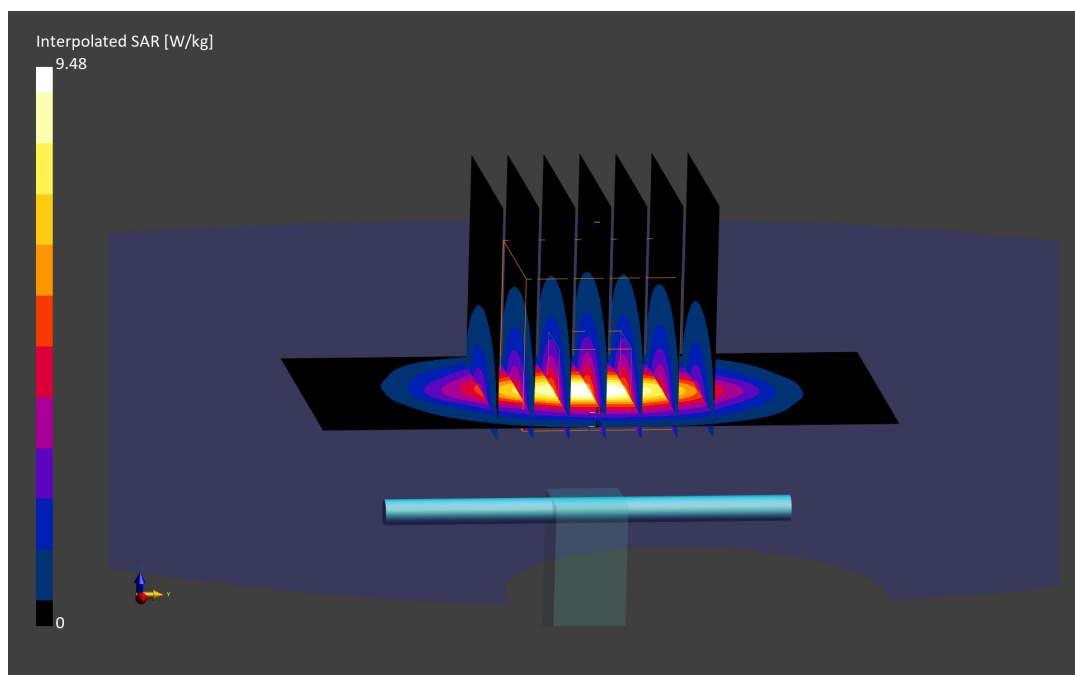
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 9.48 W/kg

SAR(1 g) = 4.72 W/kg; SAR(10 g) = 2.27 W/kg

Deviation (1 g) = -2.88%; Deviation (10 g) = -4.22%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.81 S/m; perm = 38.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/20/2023; Ambient Temp: 24.6°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1558; Calibrated: 2023-01-17

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

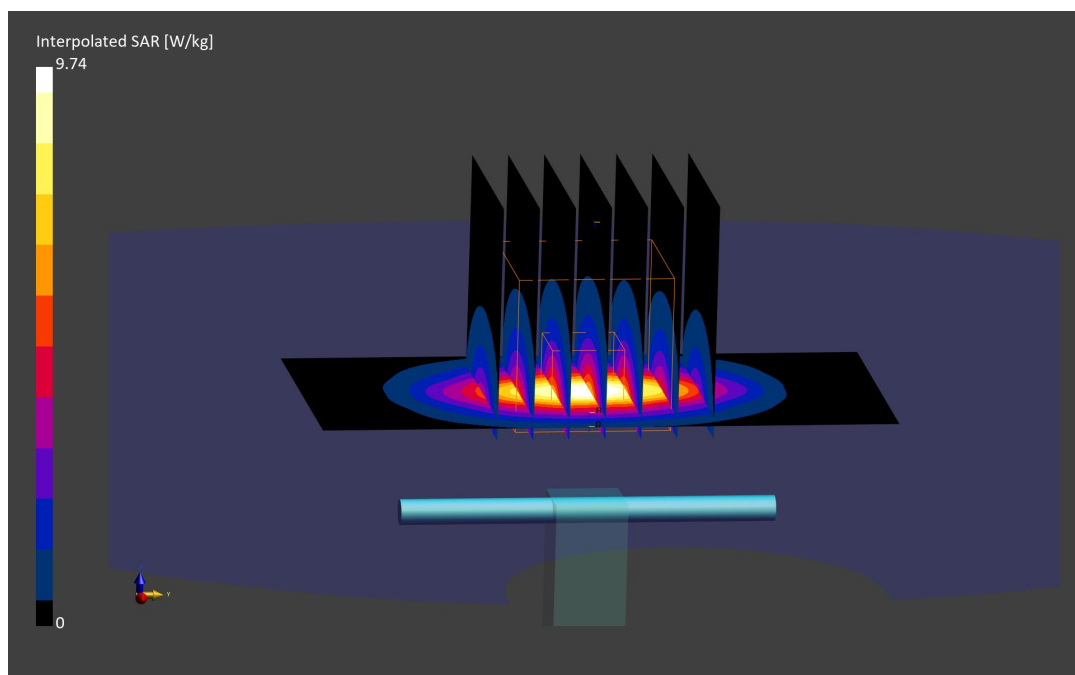
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 9.74 W/kg

SAR(1 g) = 4.94 W/kg; SAR(10 g) = 2.33 W/kg

Deviation (1 g) = -8.35%; Deviation (10 g) = -8.27%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.85 S/m; perm = 37.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/02/2023; Ambient Temp: 23.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1558; Calibrated: 2023-01-17

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

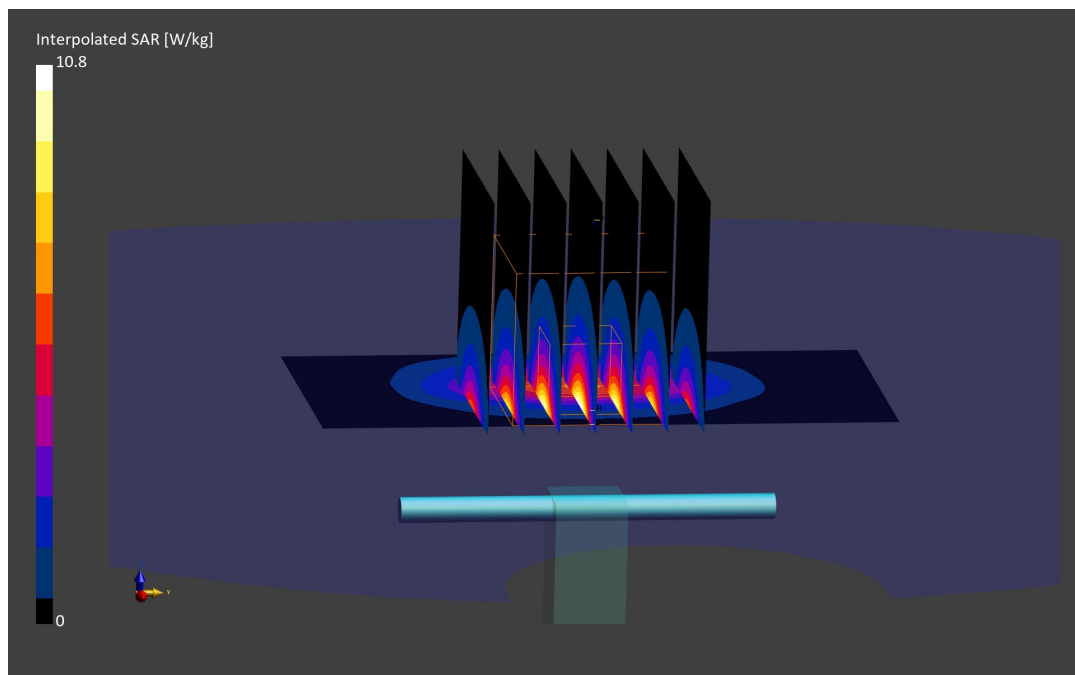
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 10.8 W/kg

SAR(1 g) = 5.11 W/kg; SAR(10 g) = 2.38 W/kg

Deviation (1 g) = -5.19%; Deviation (10 g) = -6.30%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN945

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 = 39.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/05/2023; Ambient Temp: 20.3°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7565; ConvF:(7.08,7.08,7.08); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

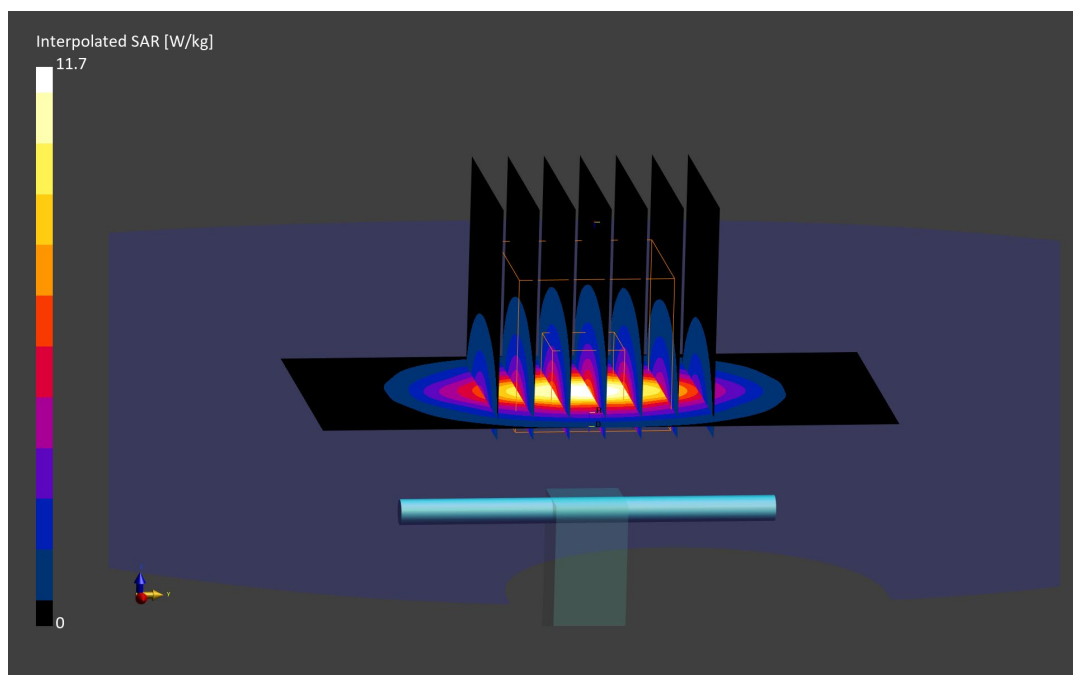
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 11.7 W/kg

SAR(1 g) = 5.50 W/kg; SAR(10 g) = 2.53 W/kg

Deviation (1 g) = 5.97%; Deviation (10 g) = 2.85%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.85 S/m; perm = 38.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/12/2023; Ambient Temp: 24.6°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1558; Calibrated: 2023-01-17

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

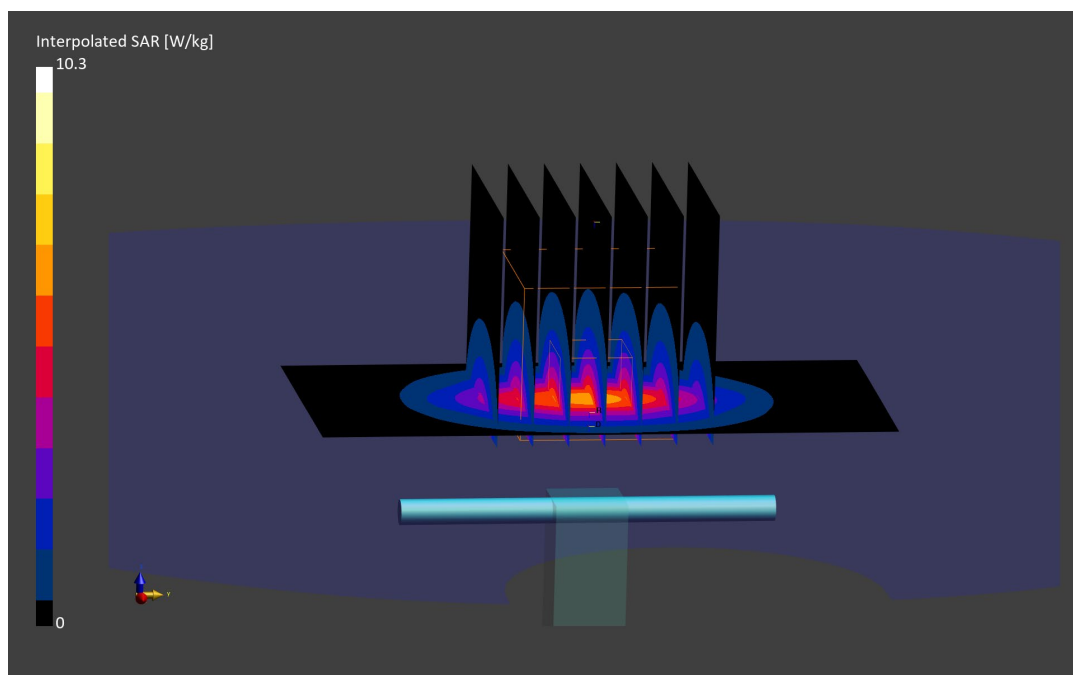
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 4.92 W/kg; SAR(10 g) = 2.29 W/kg

Deviation (1 g) = -8.72%; Deviation (10 g) = -9.84%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN945

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 = 37.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/12/2023; Ambient Temp: 20.4°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7565; ConvF:(7.08,7.08,7.08); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

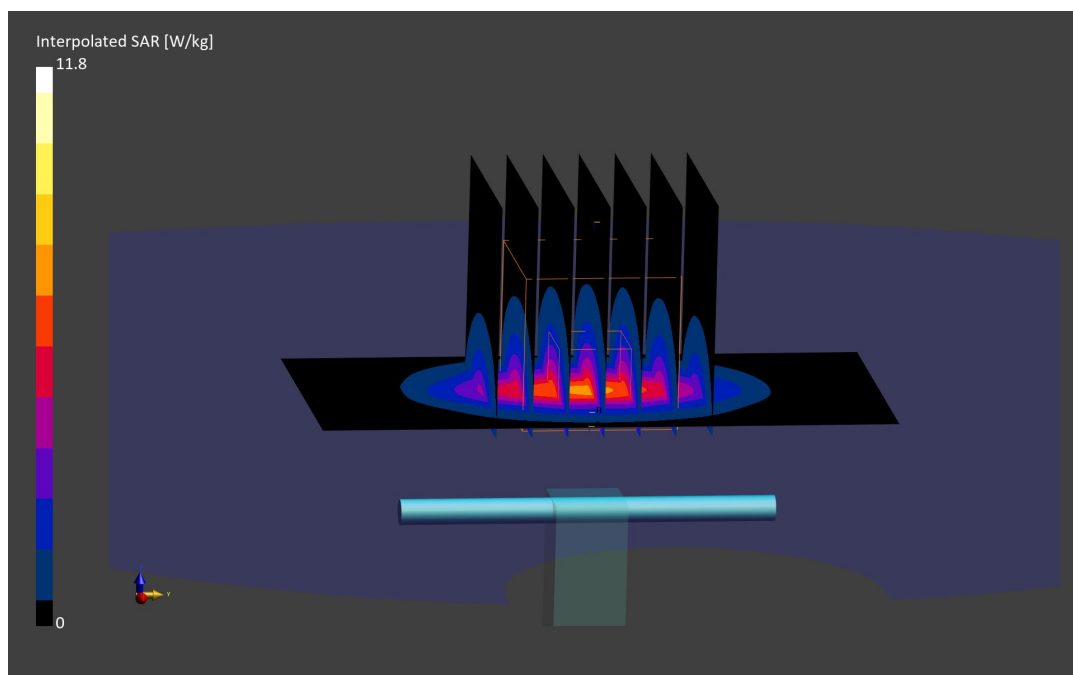
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 11.8 W/kg

SAR(1 g) = 5.48 W/kg; SAR(10 g) = 2.52 W/kg

Deviation (1 g) = 5.59%; Deviation (10 g) = 2.44%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN945

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.84 S/m; perm = 37.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/19/2023; Ambient Temp: 19.5°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7565; ConvF:(7.08,7.08,7.08); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

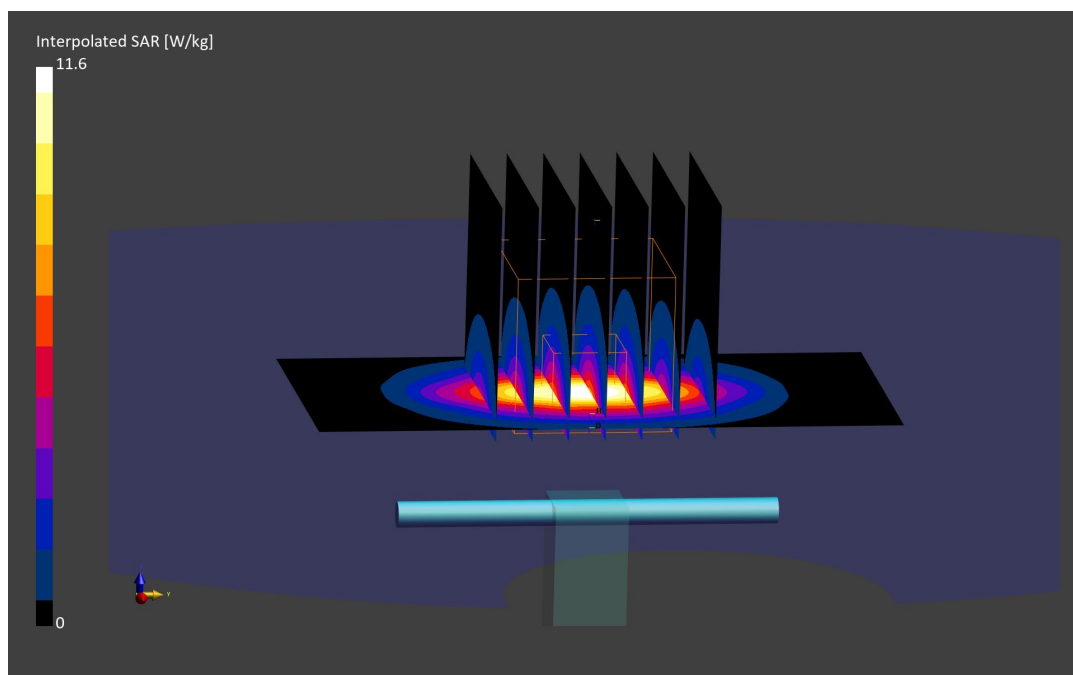
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 5.44 W/kg; SAR(10 g) = 2.50 W/kg

Deviation (1 g) = 4.82%; Deviation (10 g) = 1.63%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.86 S/m; perm = 39.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 7/21/2023; Ambient Temp: 22.1°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7713; ConvF:(8.26,8.26,8.26); Calibrated: 2023-01-11

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

Electronics: DAE4 Sn1530; Calibrated: 2023-01-18

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

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

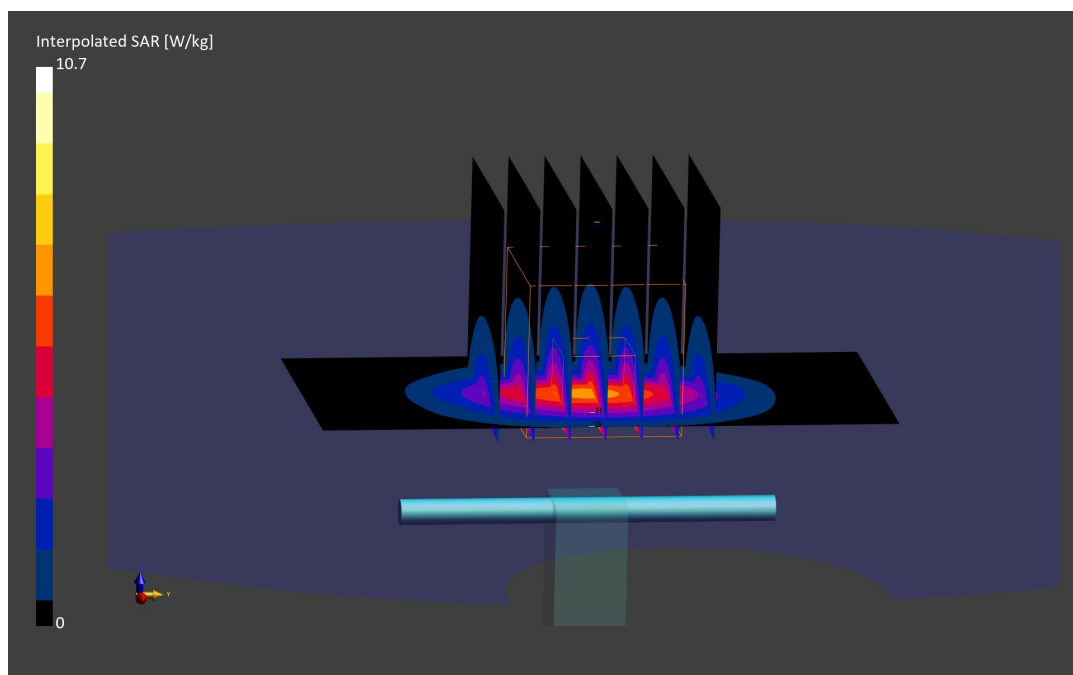
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 10.7 W/kg

SAR(1 g) = 5.22 W/kg; SAR(10 g) = 2.43 W/kg

Deviation (1 g) = -3.15%; Deviation (10 g) = -4.33%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN945

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

Medium: 2450 Head; Medium parameters used:

f = 2450.0 MHz; cond = 1.83 S/m; perm = 37.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/24/2023; Ambient Temp: 19.9°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7565; ConvF:(7.08,7.08,7.08); Calibrated: 2023-01-12

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

Electronics: DAE4 Sn1466; Calibrated: 2023-01-20

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

Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 dBm (100 mW)

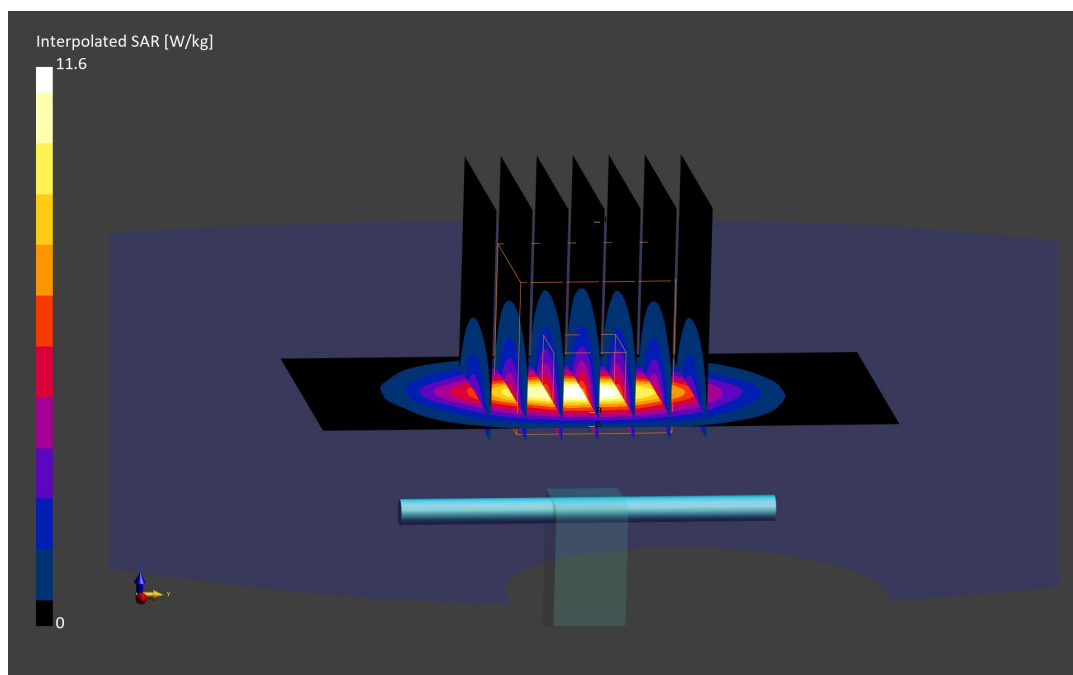
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 5.45 W/kg; SAR(10 g) = 2.50 W/kg

Deviation (1 g) = 5.01%; Deviation (10 g) = 1.63%;



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1069

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.90 S/m; perm = 38.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/21/2023; Ambient Temp: 24.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN3837; ConvF:(7.15,7.15,7.15); Calibrated: 2023-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

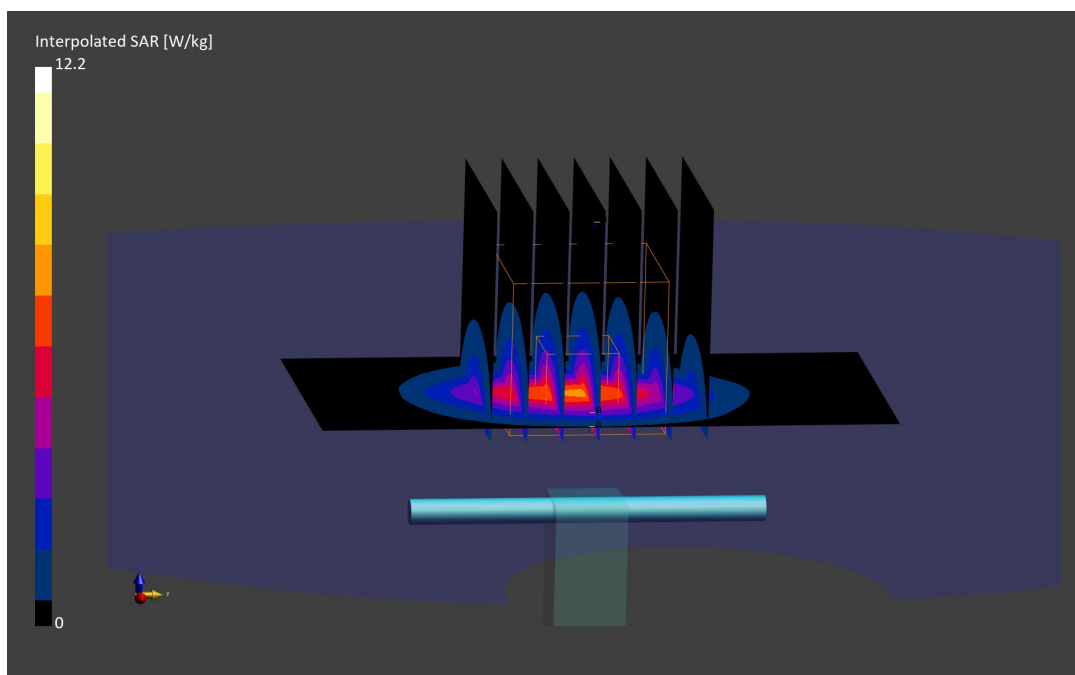
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 12.2 W/kg

SAR(1 g) = 5.62 W/kg; SAR(10 g) = 2.52 W/kg

Deviation (1 g) = 1.08%; Deviation (10 g) = 1.20%;



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1009

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.98 S/m; perm = 39.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/05/2023; Ambient Temp: 20.3°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7565; ConvF:(6.89,6.89,6.89); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

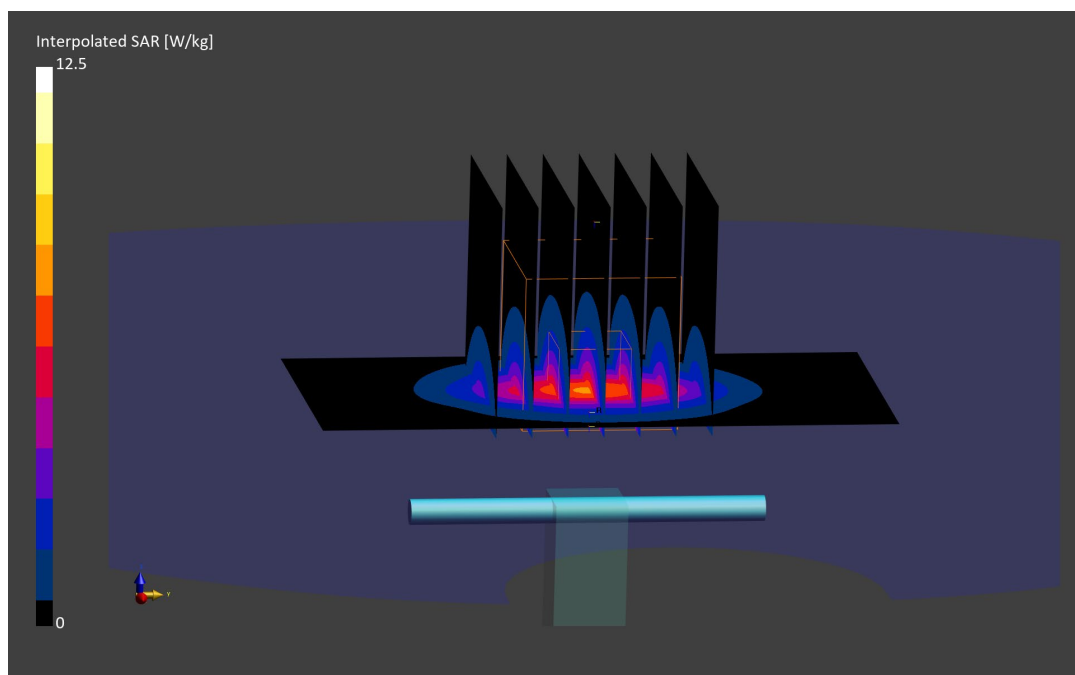
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.47 W/kg

Deviation (1 g) = -2.62%; Deviation (10 g) = -4.26%;



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1009

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.94 S/m; perm = 37.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/12/2023; Ambient Temp: 20.4°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7565; ConvF:(6.89,6.89,6.89); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

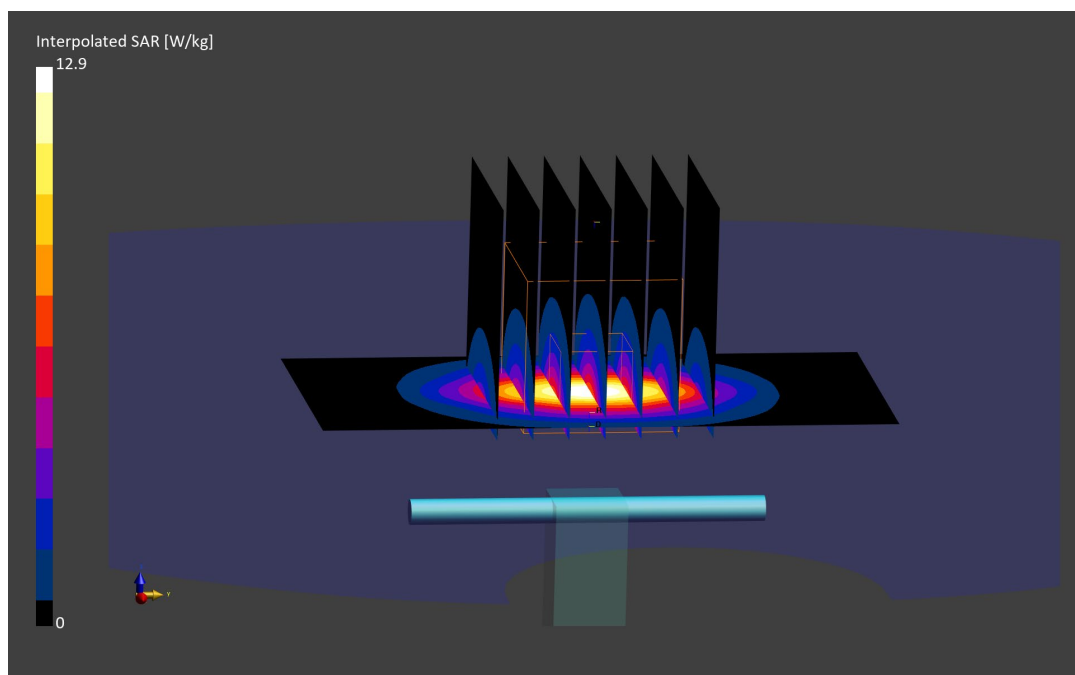
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 12.9 W/kg

SAR(1 g) = 5.75 W/kg; SAR(10 g) = 2.55 W/kg

Deviation (1 g) = 0.35 %; Deviation (10 g) = -1.16%;



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1009

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.96 S/m; perm = 37.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/19/2023; Ambient Temp: 19.5°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7565; ConvF:(6.89,6.89,6.89); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

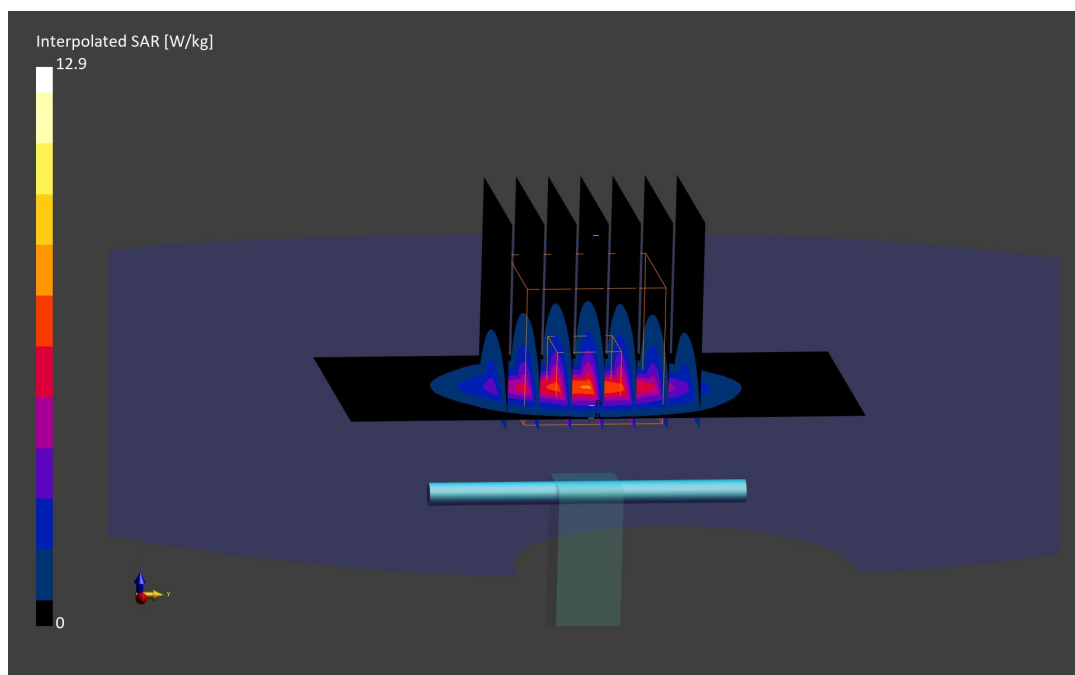
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 12.9 W/kg

SAR(1 g) = 5.72 W/kg; SAR(10 g) = 2.53 W/kg

Deviation (1 g) = -0.17%; Deviation (10 g) = -1.94%;



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 = 1.91 S/m; perm = 38.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/24/2023; Ambient Temp: 21.1°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7570; ConvF:(7.26,7.26,7.26); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

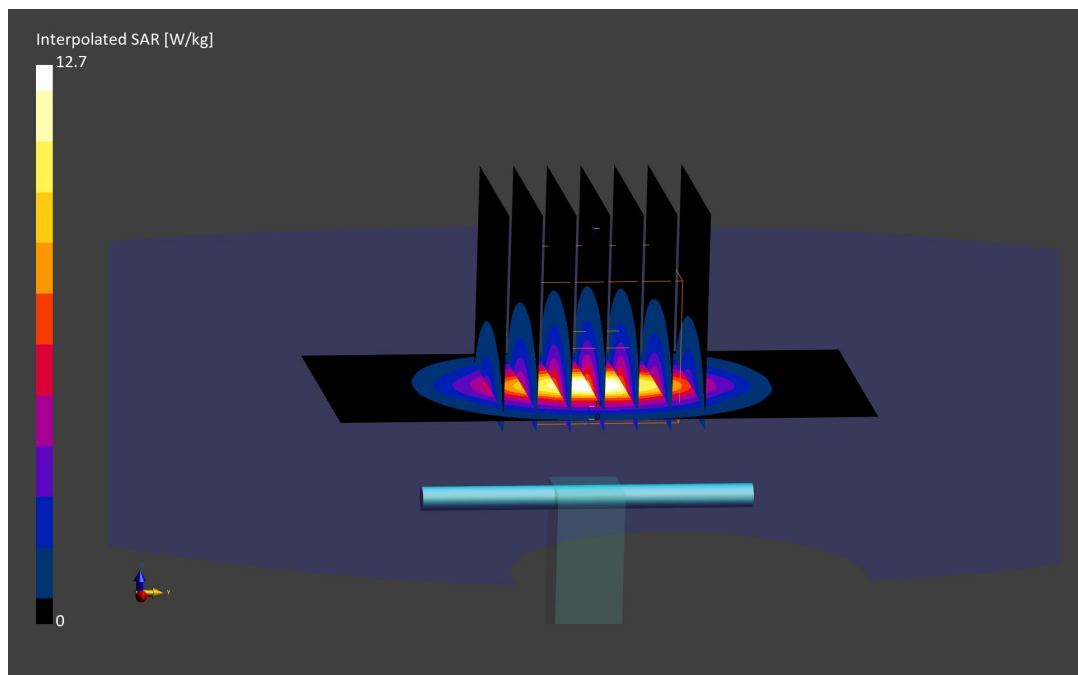
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 6.01 W/kg; SAR(10 g) = 2.74 W/kg

Deviation (1 g) = 6.37%; Deviation (10 g) = 7.87%;



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1009

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.95 S/m; perm = 37.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/24/2023; Ambient Temp: 19.9°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7565; ConvF:(6.89,6.89,6.89); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

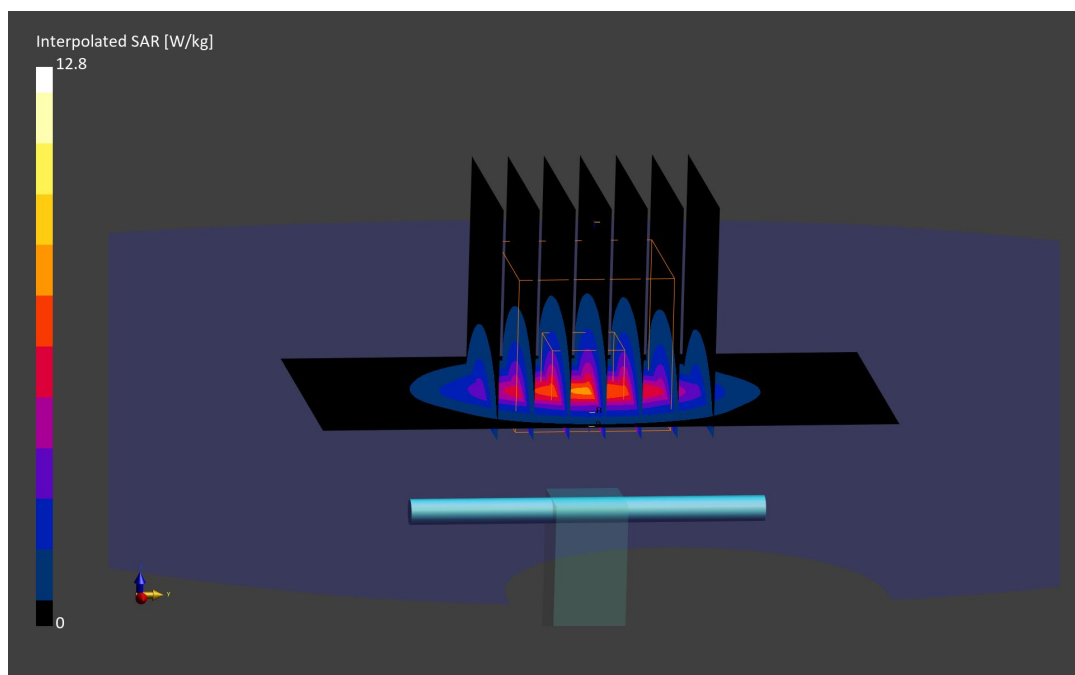
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 12.8 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 2.54 W/kg

Deviation (1 g) = -0.35%; Deviation (10 g) = -1.55%;



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 = 1.89 S/m; perm = 37.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/27/2023; Ambient Temp: 21.9°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7570; ConvF:(7.26,7.26,7.26); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 dBm (100 mW)

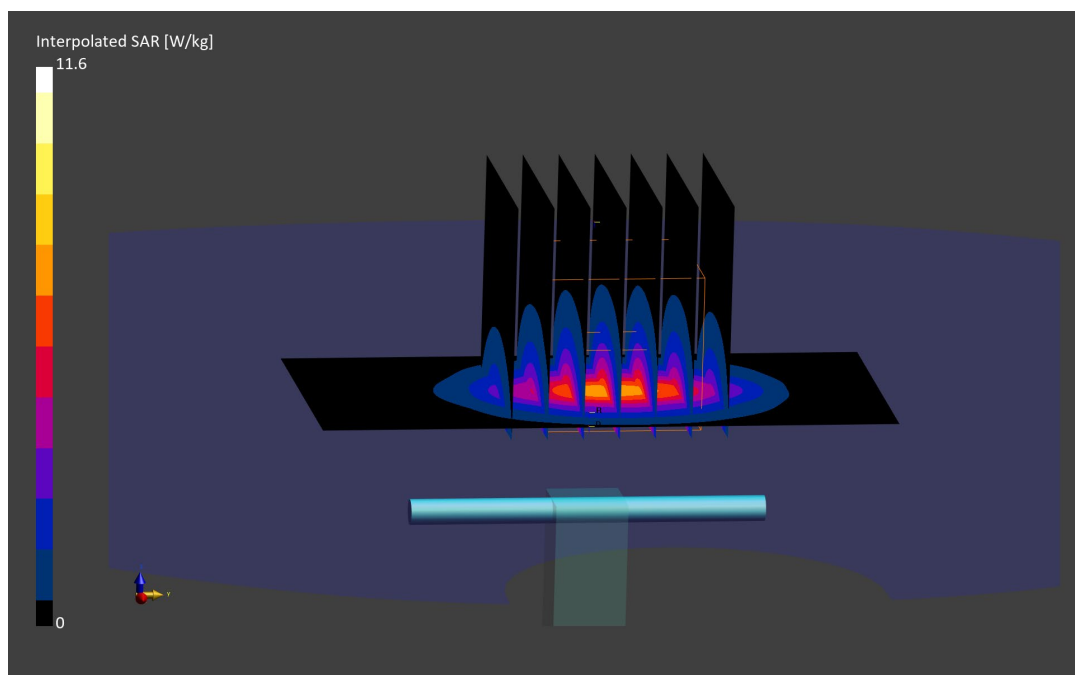
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.52 W/kg

Deviation (1 g) = -2.83%; Deviation (10 g) = -0.79%;



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1097

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.79 S/m; perm = 37.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/12/2023; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(7.06,7.06,7.06); 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

3500 MHz System Verification at 20 dBm (100 mW)

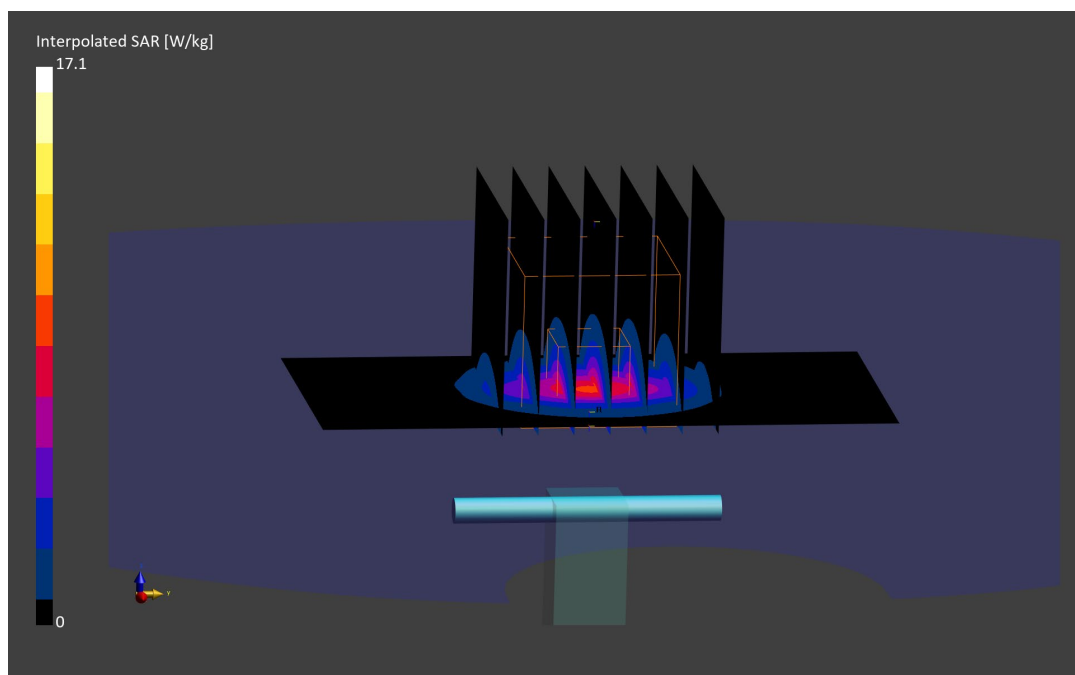
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 6.51 W/kg; SAR(10 g) = 2.50 W/kg

Deviation (1 g) = -0.46%; Deviation (10 g) = 1.21%



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1055

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

Medium: 3600 Head; Medium parameters used:

f = 3500.0 MHz; cond = 2.79 S/m; perm = 36.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/19/2023; Ambient Temp: 19.9°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7638; ConvF:(7.02,7.02,7.02); Calibrated: 2023-03-16

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

Electronics: DAE4 Sn1408; Calibrated: 2023-03-13

Phantom: Twin-SAM V8.0; Serial: 1357

Measurement SW: DASY Module SAR V16.2.0.1425

3500 MHz System Verification at 20 dBm (100 mW)

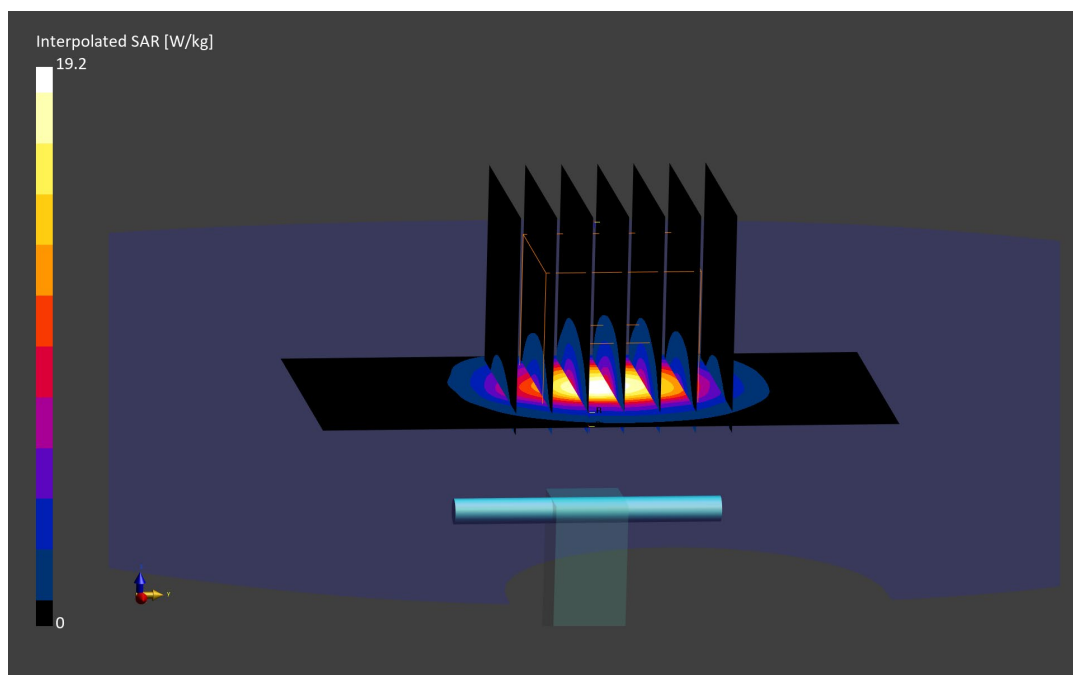
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 19.2 W/kg

SAR(1 g) = 7.12 W/kg; SAR(10 g) = 2.69 W/kg

Deviation (1 g) = 7.88%; Deviation (10 g) = 8.03%;



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1055

Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.79 S/m; perm = 37.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/04/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7638; ConvF:(7.02,7.02,7.02); Calibrated: 2023-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1408; Calibrated: 2023-03-13
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.0.1425

3500 MHz System Verification at 20 dBm (100 mW)

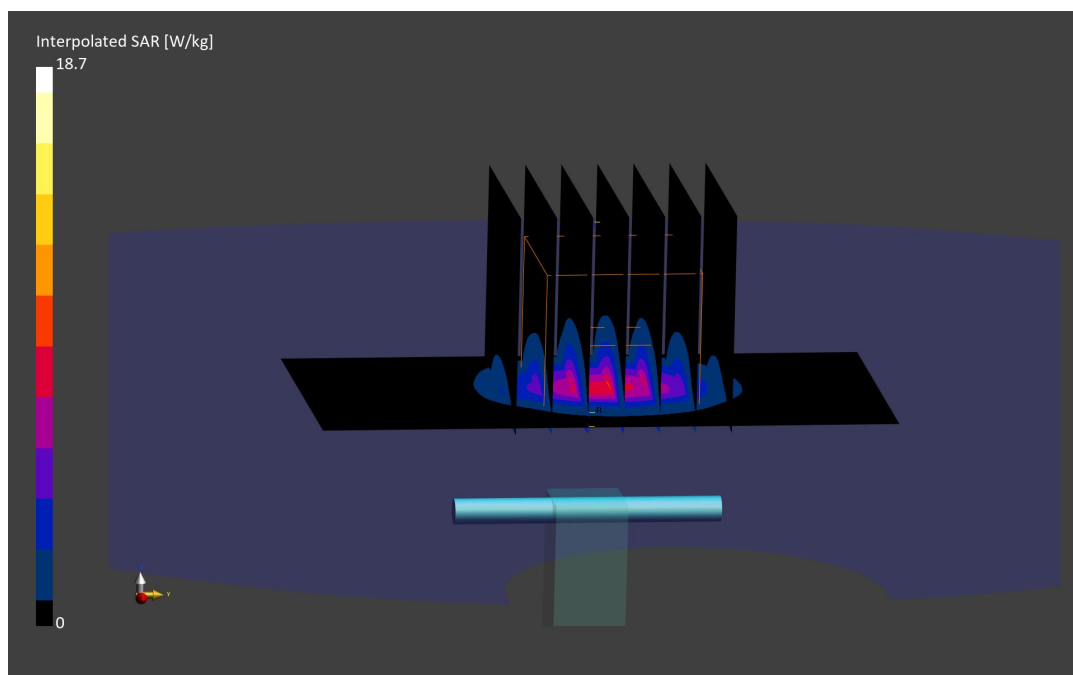
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 7.07 W/kg; SAR(10 g) = 2.68 W/kg

Deviation (1 g) = 7.12%; Deviation (10 g) = 7.63%;



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1018

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 = 37.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/12/2023; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(7.02,7.02,7.02); 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

3700 MHz System Verification at 20 dBm (100 mW)

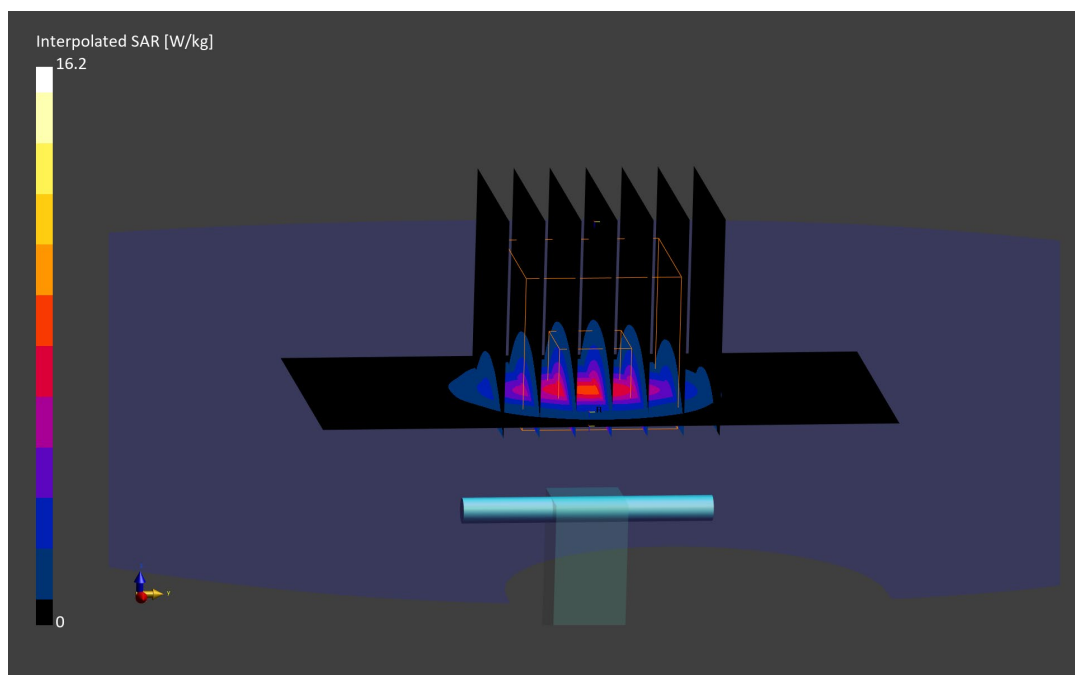
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 16.2 W/kg

SAR(1 g) = 6.16 W/kg; SAR(10 g) = 2.35 W/kg

Deviation (1 g) = -8.06%; Deviation (10 g) = -2.89%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1002

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.0 MHz; cond = 2.98 S/m; perm = 36.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/19/2023; Ambient Temp: 19.9°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7638; ConvF:(6.99,6.99,6.99); Calibrated: 2023-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1408; Calibrated: 2023-03-13
Phantom: Twin-SAM V8.0; Serial: 1357
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) = 19.4 W/kg

SAR(1 g) = 6.85 W/kg; SAR(10 g) = 2.51 W/kg

Deviation (1 g) = 0.88%; Deviation (10 g) = 1.62%;



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1002

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.0 MHz; cond = 2.98 S/m; perm = 36.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/04/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7638; ConvF:(6.99,6.99,6.99); Calibrated: 2023-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1408; Calibrated: 2023-03-13
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.0.1425

3700 MHz System Verification at 20 dBm (100 mW)

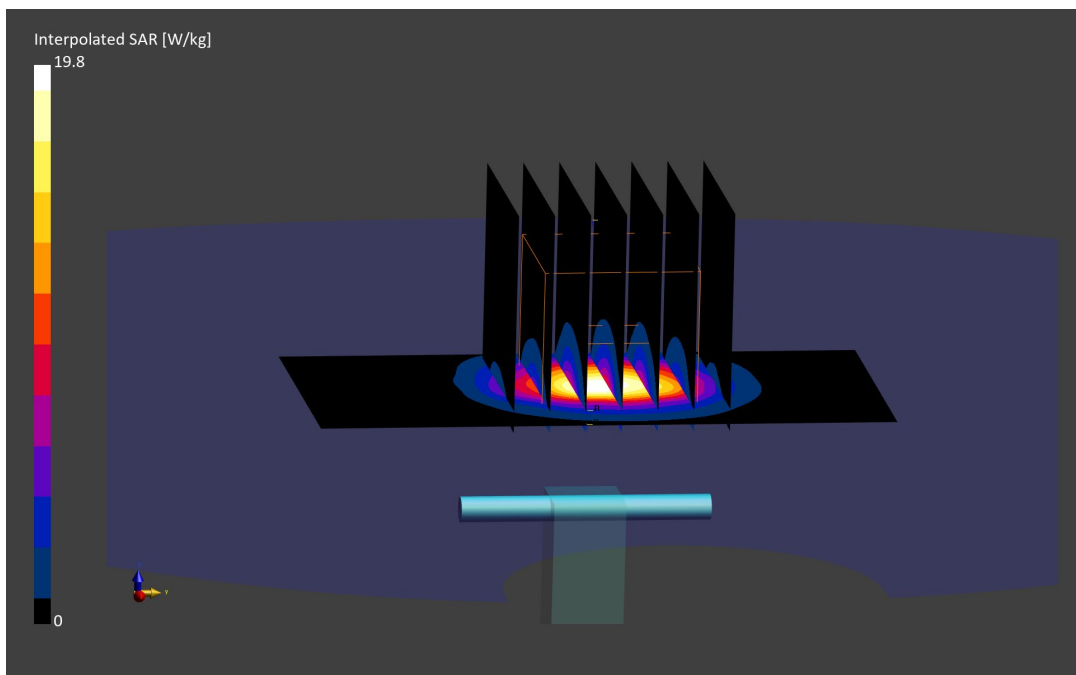
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 19.8 W/kg

SAR(1 g) = 7.03 W/kg; SAR(10 g) = 2.55 W/kg

Deviation (1 g) = 3.53%; Deviation (10 g) = 3.24%;



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 = 3.18 S/m; perm = 36.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/04/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7638; ConvF:(6.92,6.92,6.92); Calibrated: 2023-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1408; Calibrated: 2023-03-13
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.0.1425

3900 MHz System Verification at 20 dBm (100 mW)

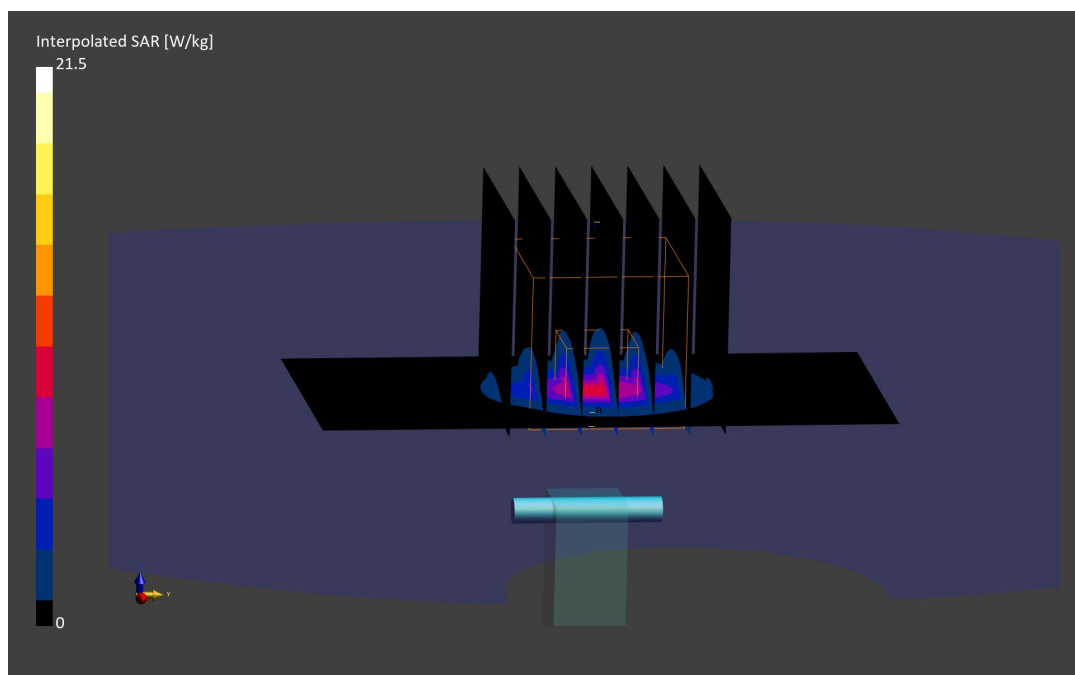
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 21.5 W/kg

SAR(1 g) = 7.34 W/kg; SAR(10 g) = 2.55 W/kg

Deviation (1 g) = 7.00%; Deviation (10 g) = 7.14%;



ELEMENT

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.50 S/m; perm = 35.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2023; Ambient Temp: 23.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7570; ConvF:(5.52,5.52,5.52); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

5250 MHz System Verification at 17 dBm (50 mW)

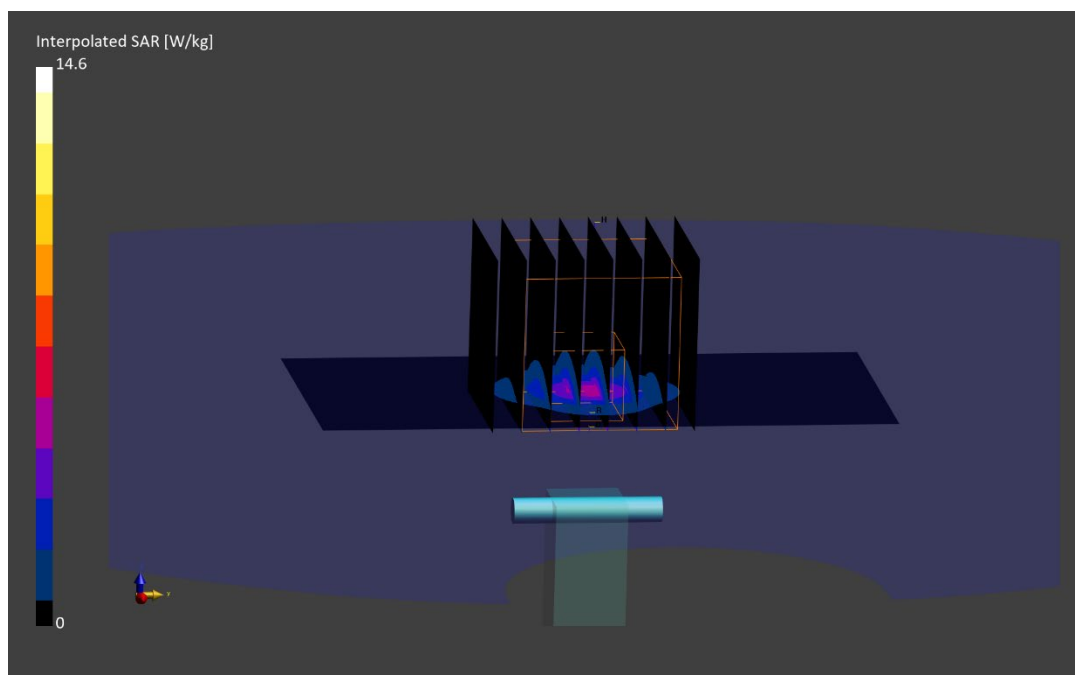
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 14.6 W/kg

SAR(1 g) = 3.83 W/kg; SAR(10 g) = 1.12 W/kg

Deviation (1 g) = -4.73%; Deviation (10 g) = -3.03%;



ELEMENT

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.67 S/m; perm = 35.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2023; Ambient Temp: 22.3°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7417; ConvF:(5.61,5.61,5.61); Calibrated: 2023-02-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2023-02-15
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

5250 MHz System Verification at 17 dBm (50 mW)

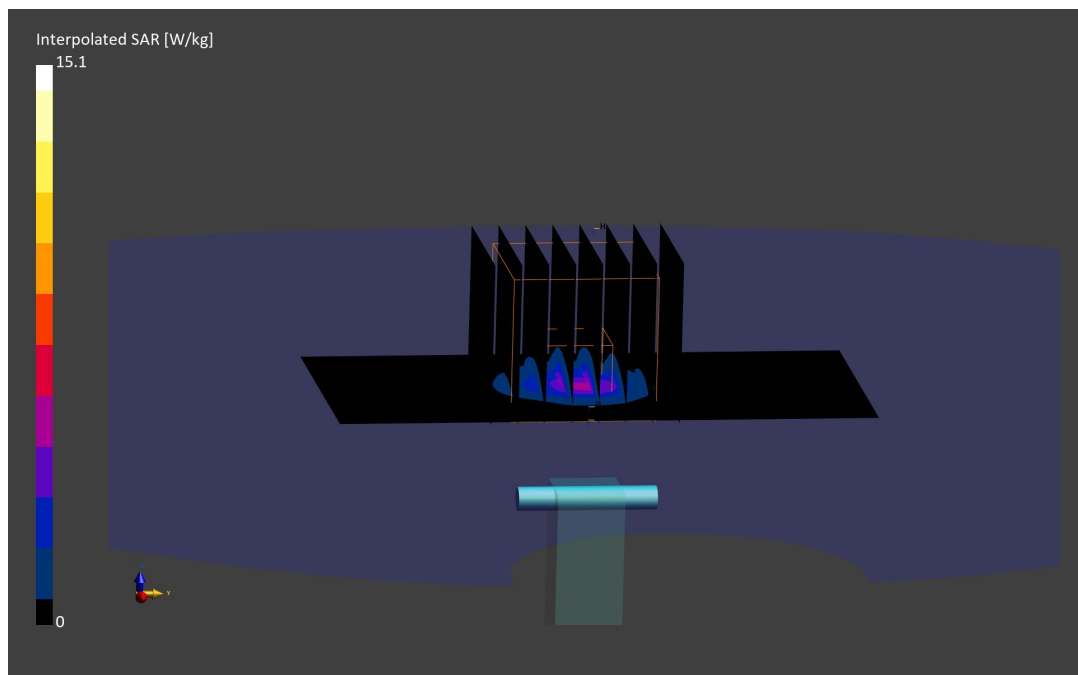
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 15.1 W/kg

SAR(1 g) = 3.82 W/kg; SAR(10 g) = 1.08 W/kg

Deviation (1 g) = -4.98%; Deviation (10 g) = -6.49%;



ELEMENT

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 4.89 S/m; perm = 34.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2023; Ambient Temp: 23.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7570; ConvF:(4.84,4.84,4.84); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

5600 MHz System Verification at 17 dBm (50 mW)

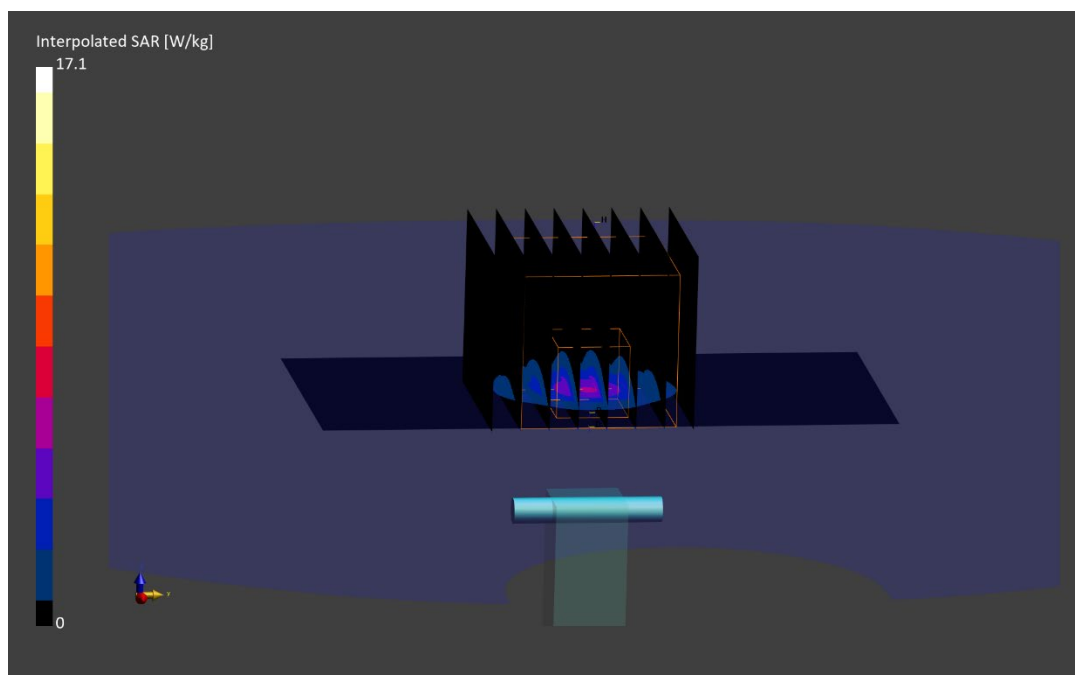
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 17.1 W/kg

SAR(1 g) = 4.24 W/kg; SAR(10 g) = 1.24 W/kg

Deviation (1 g) = 3.54%; Deviation (10 g) = 6.44%;



ELEMENT

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 5.06 S/m; perm = 34.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2023; Ambient Temp: 22.3°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7417; ConvF:(4.99,4.99,4.99); Calibrated: 2023-02-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2023-02-15
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

5600 MHz System Verification at 17 dBm (50 mW)

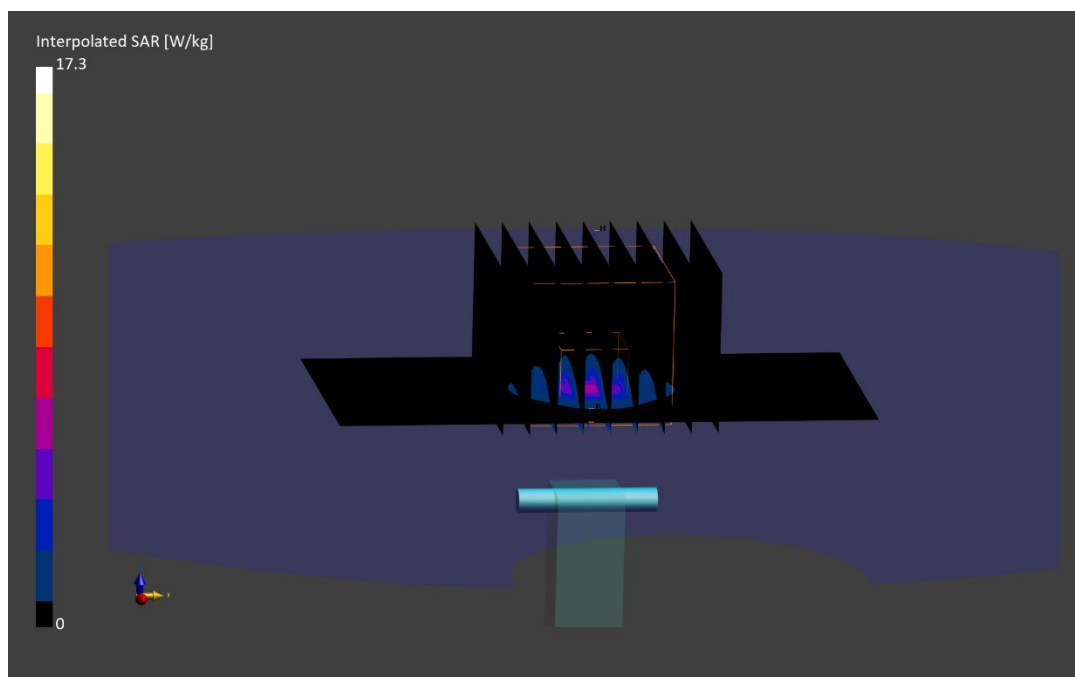
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 17.3 W/kg

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 1.16 W/kg

Deviation (1 g) = 0.37%; Deviation (10 g) = -0.43%;



ELEMENT

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.05 S/m; perm = 34.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2023; Ambient Temp: 23.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7570; ConvF:(4.92,4.92,4.92); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

5750 MHz System Verification at 17 dBm (50 mW)

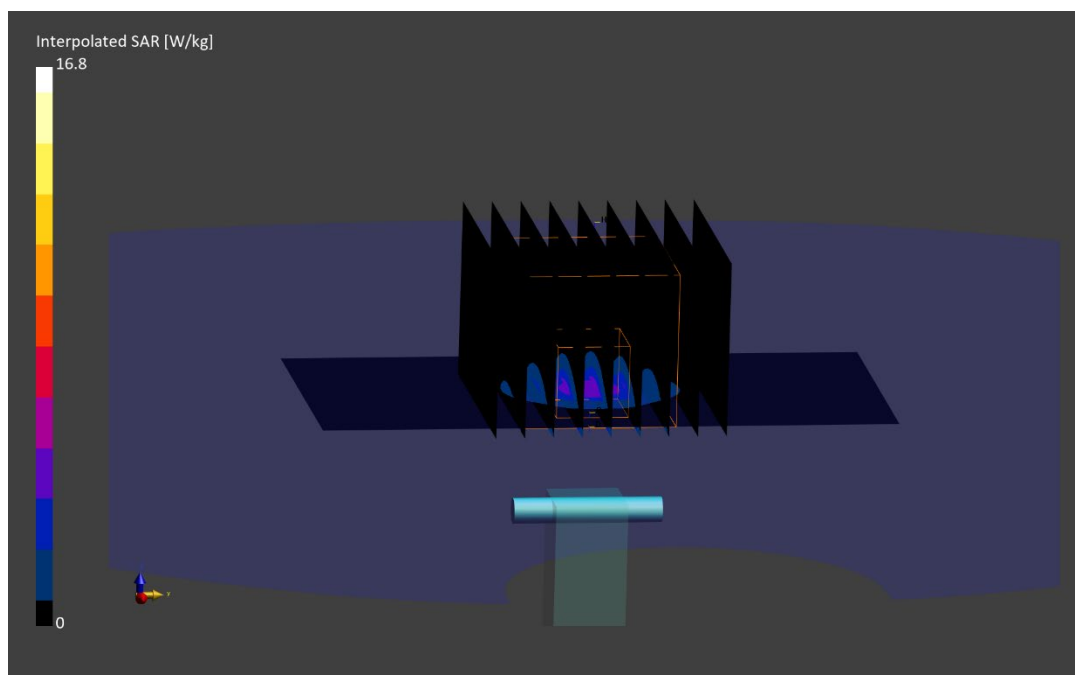
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 16.8 W/kg

SAR(1 g) = 4.05 W/kg; SAR(10 g) = 1.17 W/kg

Deviation (1 g) = 3.32%; Deviation (10 g) = 4.93%;



ELEMENT

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.22 S/m; perm = 34.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2023; Ambient Temp: 22.3°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7417; ConvF:(5.13,5.13,5.13); Calibrated: 2023-02-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2023-02-15
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

5750 MHz System Verification at 17 dBm (50 mW)

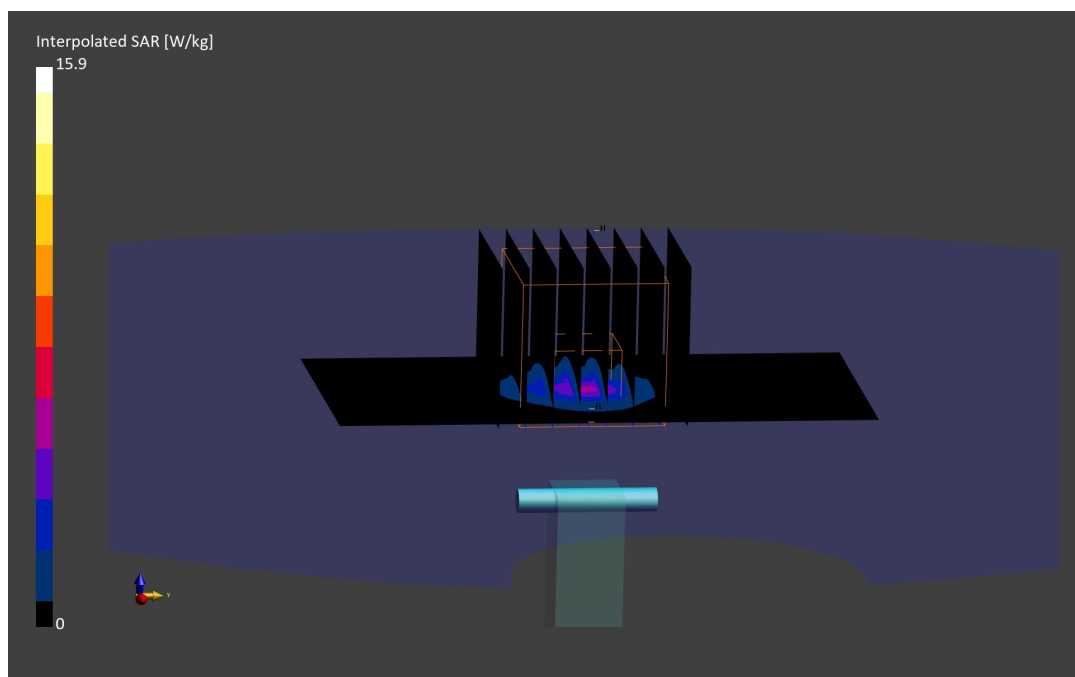
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 15.9 W/kg

SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.06 W/kg

Deviation (1 g) = -5.10%; Deviation (10 g) = -4.93%;



ELEMENT

DUT: Dipole 5800.0 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5800.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5800.0 MHz; cond = 5.12 S/m; perm = 34.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2023; Ambient Temp: 23.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7570; ConvF:(4.78,4.78,4.78); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

5800 MHz System Verification at 17 dBm (50 mW)

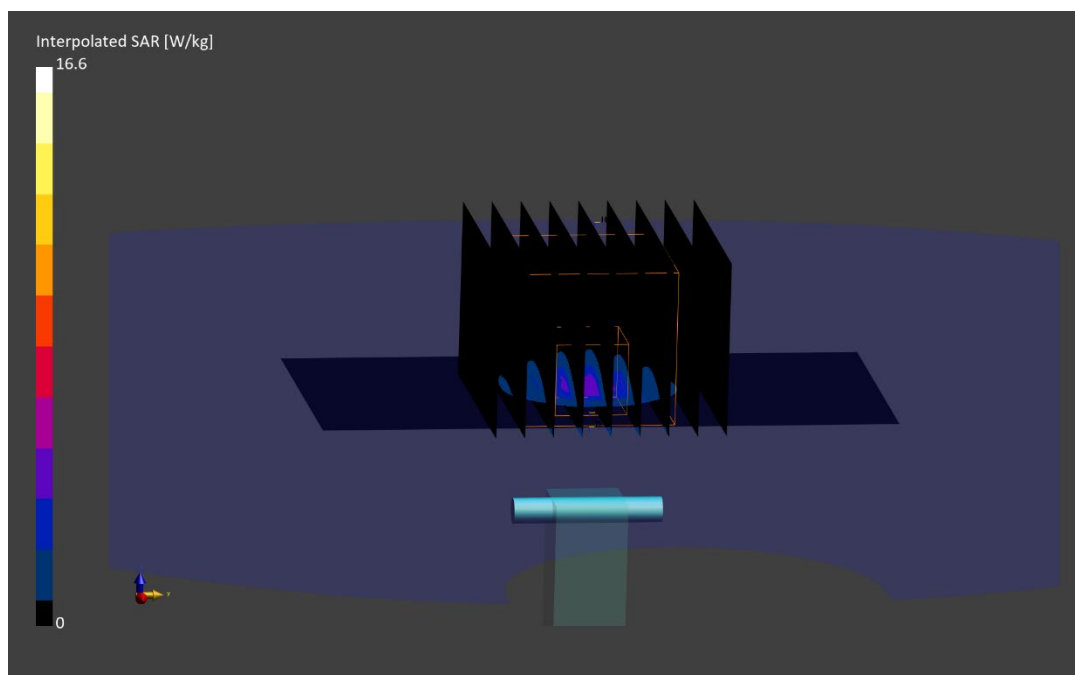
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 16.6 W/kg

SAR(1 g) = 4.00 W/kg; SAR(10 g) = 1.16 W/kg

Deviation (1 g) = 1.27%; Deviation (10 g) = 4.04%;



ELEMENT

DUT: Dipole 5800.0 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5800.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5800.0 MHz; cond = 5.26 S/m; perm = 34.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2023; Ambient Temp: 22.3°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7417; ConvF:(4.88,4.88,4.88); Calibrated: 2023-02-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2023-02-15
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) = 16.7 W/kg

SAR(1 g) = 3.89 W/kg; SAR(10 g) = 1.10 W/kg

Deviation (1 g) = -1.52%; Deviation (10 g) = -1.35%;

