

APPENDIX B: SYSTEM VERIFICATION

PCTEST

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1161

Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.894 S/m; perm = 40.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

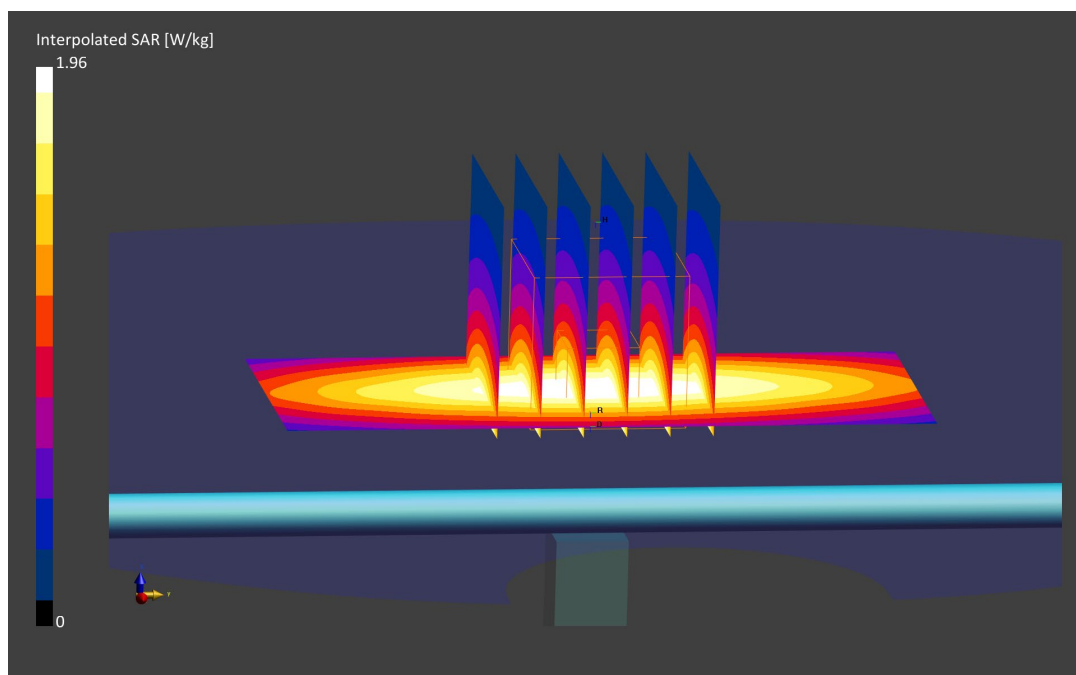
Test Date: 09/07/2021; Ambient Temp: 22.6°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7406; ConvF:(10.08,10.08,10.08); Calibrated: 2021-07-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1676; Calibrated: 2021-06-21
Phantom: Twin-SAM V8.0; Serial: 2058
Measurement SW: cDASY6 Module SAR V16.0.0.116

750.0 MHz System Verification at 23.0 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) = 2.70 W/kg
SAR(1 g) = 1.70 W/kg
Deviation (1 g) = 5.85%



PCTEST

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1161

Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.903 S/m; perm = 42.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

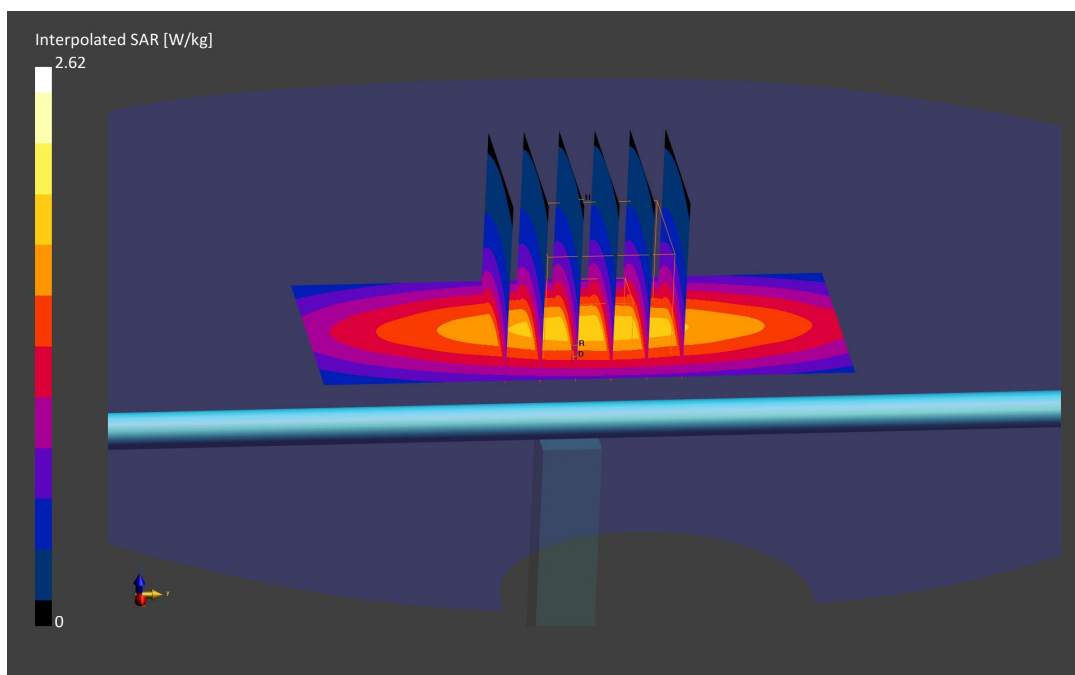
Test Date: 09/14/2021; Ambient Temp: 21.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7406; ConvF:(10.08,10.08,10.08); Calibrated: 2021-07-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1676; Calibrated: 2021-06-21
Phantom: Twin-SAM V8.0; Serial: 2058
Measurement SW: cDASY6 Module SAR V16.0.0.116

750.0 MHz System Verification at 23.0 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) = 2.62 W/kg
SAR(1 g) = 1.63 W/kg
Deviation (1 g) = 1.49%



PCTEST

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d133

Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.886 S/m; perm = 40.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

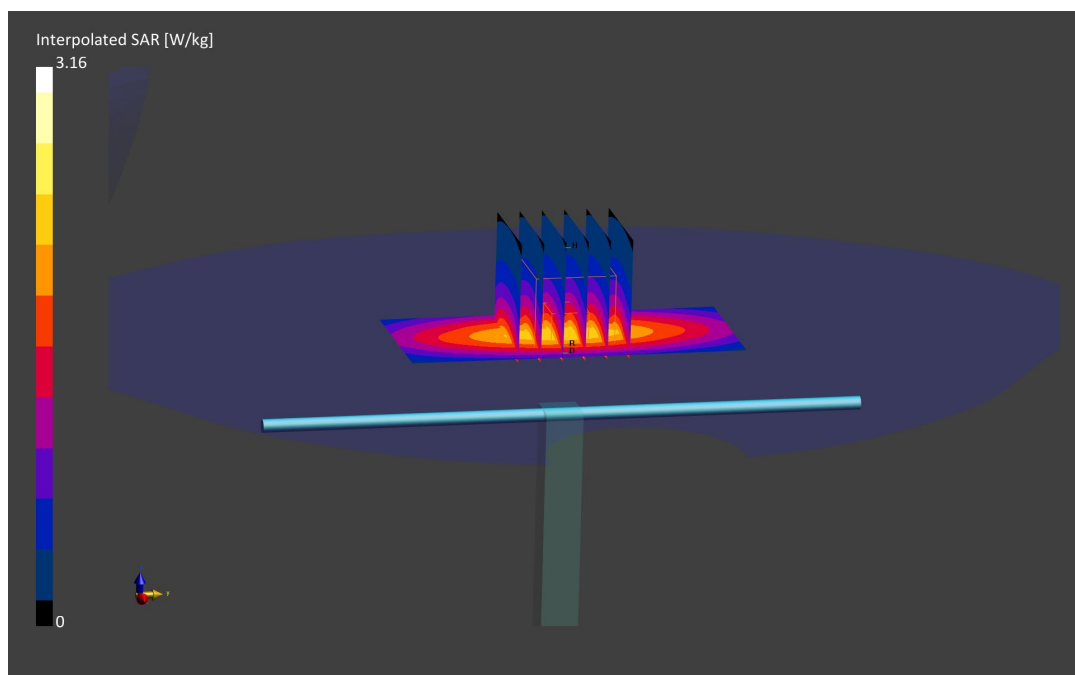
Test Date: 09/14/2021; Ambient Temp: 23.0°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7571; ConvF:(9.76,9.76,9.76); Calibrated: 2020-12-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1533; Calibrated: 2020-12-07
Phantom: Twin-SAM V5.0; Serial: 1648
Measurement SW: cDASY6 Module SAR V16.0.0.116

835.0 MHz System Verification at 23.0 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) = 3.16 W/kg
SAR(1 g) = 2.01 W/kg
Deviation (1 g) = 6.57%



PCTEST

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 = 0.920 S/m; perm = 42.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 09/21/2021; Ambient Temp: 23.3°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7406; ConvF:(9.68,9.68,9.68); Calibrated: 2021-07-20

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

Electronics: DAE4 Sn1676; Calibrated: 2021-06-21

Phantom: Twin-SAM V8.0; Serial: 2058

Measurement SW: DASY8 Module SAR V16.0.0.65

835 MHz System Verification at 23 dBm (200 mW)

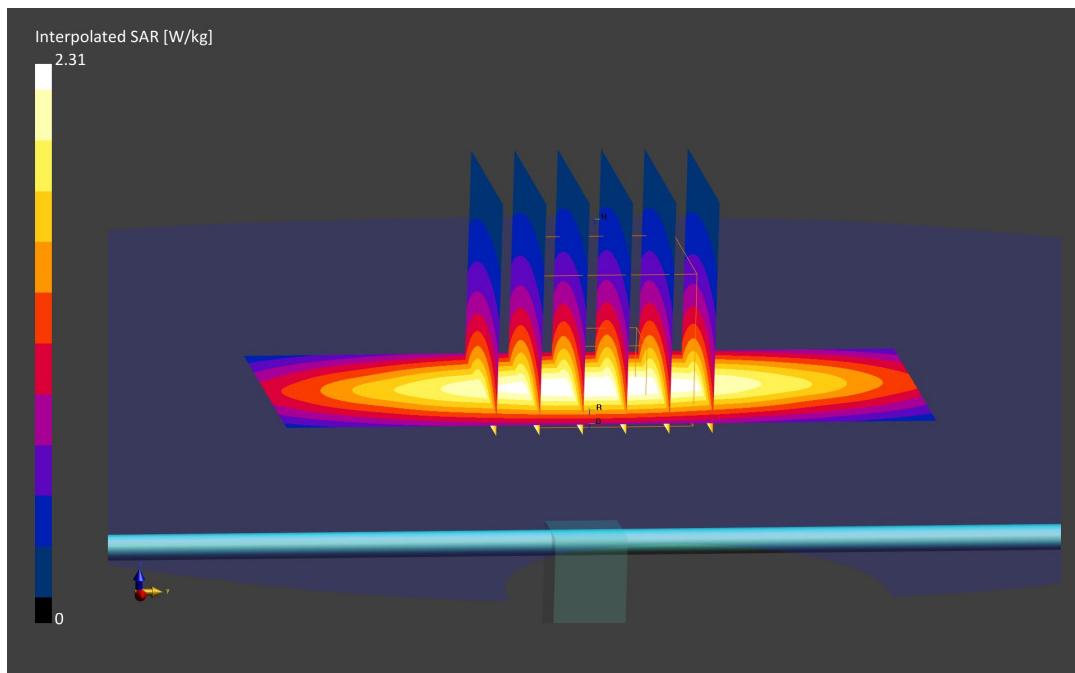
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 3.13 W/kg

SAR(1 g) = 1.99 W/kg

Deviation (1 g) = 3.00%



PCTEST

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1150

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.36 S/m; perm = 39.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 08/31/2021; Ambient Temp: 24.3°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7406; ConvF:(8.26,8.26,8.26); Calibrated: 2021-07-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1676; Calibrated: 2021-06-21
Phantom: Twin-SAM V8.0; Serial: 2058
Measurement SW: cDASY6 Module SAR V16.0.0.116

1750.0 MHz System Verification at 20.0 dBm

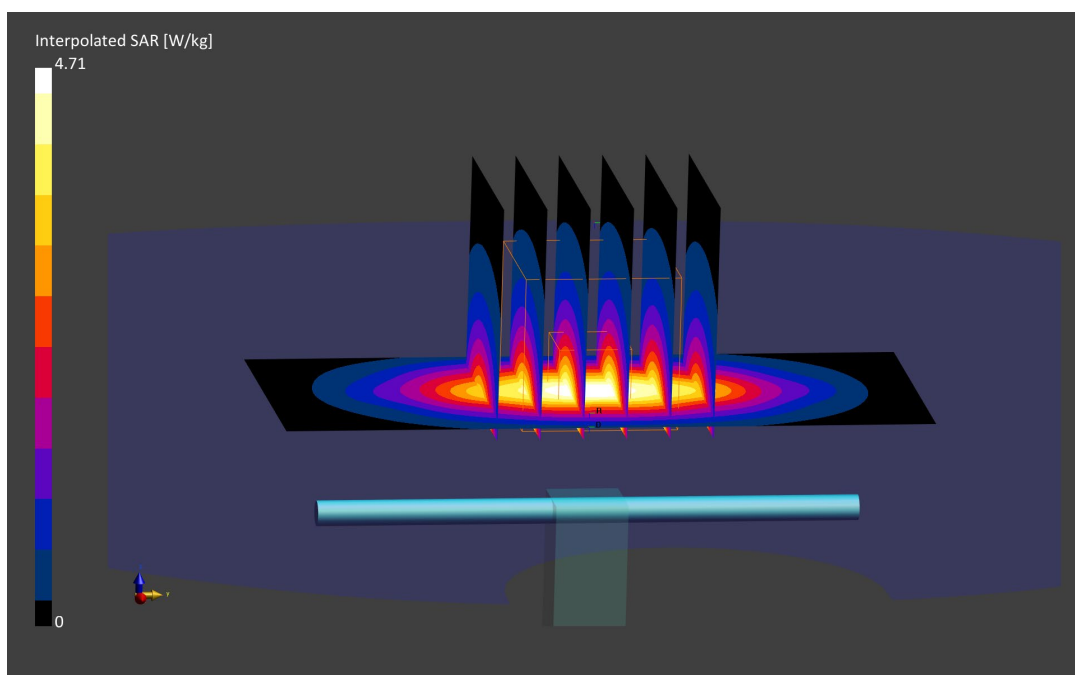
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 7.43 W/kg

SAR(1 g) = 3.80 W/kg

Deviation (1 g) = 4.11%



PCTEST

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1150

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.36 S/m; perm = 40.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

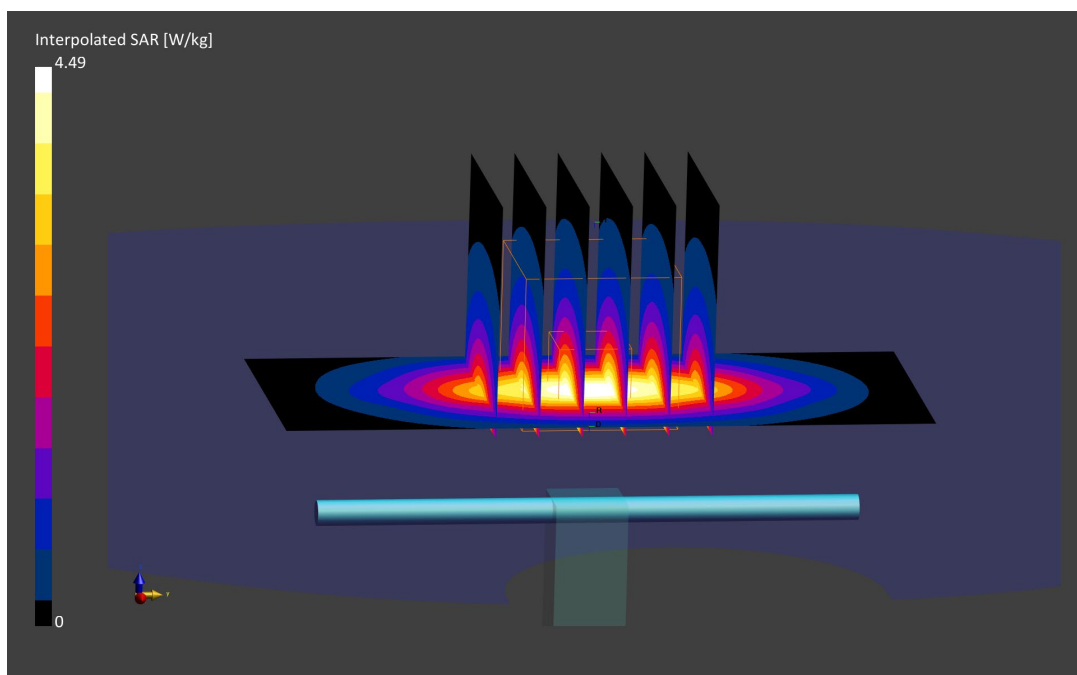
Test Date: 09/10/2021; Ambient Temp: 23.6°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7406; ConvF:(8.26,8.26,8.26); Calibrated: 2021-07-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1676; Calibrated: 2021-06-21
Phantom: Twin-SAM V8.0; Serial: 2058
Measurement SW: cDASY6 Module SAR V16.0.0.116

1750.0 MHz System Verification at 20.0 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) = 7.35 W/kg
SAR(1 g) = 3.70 W/kg
Deviation (1 g) = 1.37%



PCTEST

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.46 S/m; perm = 38.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/08/2021; Ambient Temp: 23.5°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7406; ConvF:(7.98,7.98,7.98); Calibrated: 2021-07-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1676; Calibrated: 2021-06-21
Phantom: Twin-SAM V8.0; Serial: 2058
Measurement SW: cDASY6 Module SAR V16.0.0.116

1900.0 MHz System Verification at 20.0 dBm

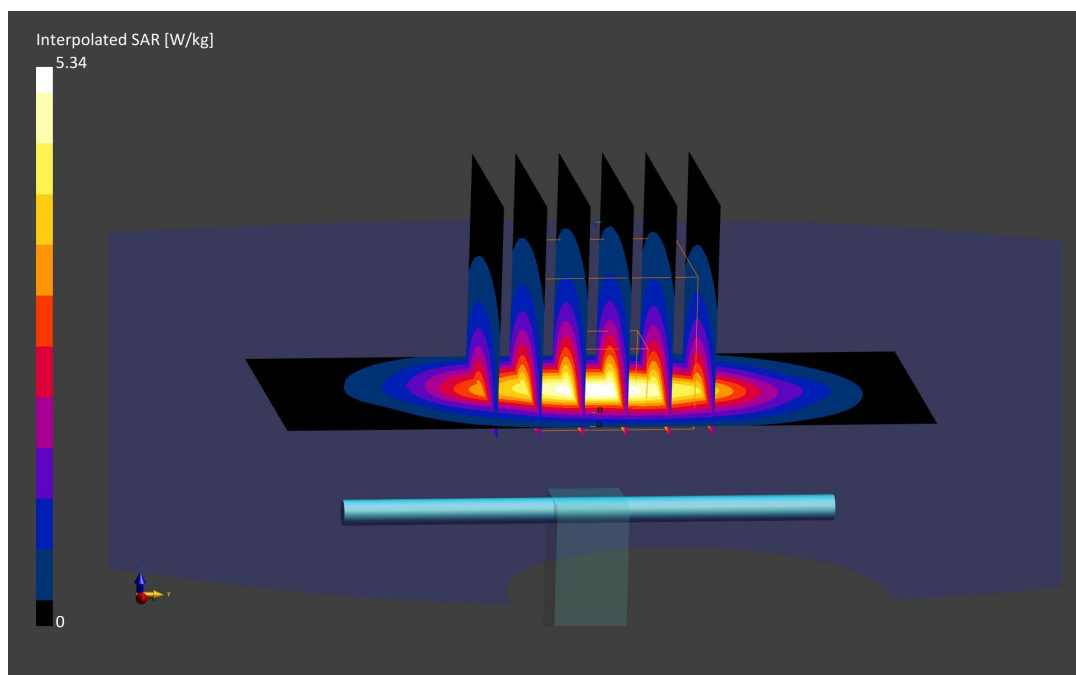
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 8.38 W/kg

SAR(1 g) = 4.28 W/kg

Deviation (1 g) = 8.91%



PCTEST

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 = 1.44 S/m; perm = 38.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 09/19/2021; Ambient Temp: 22.9°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7406; ConvF:(7.98,7.98,7.98); Calibrated: 2021-07-20

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1676; Calibrated: 2021-06-21

Phantom: Twin-SAM V8.0; Serial: 2058

Measurement SW: cDASY6 Module SAR V16.0.0.116

1900.0 MHz System Verification at 20.0 dBm

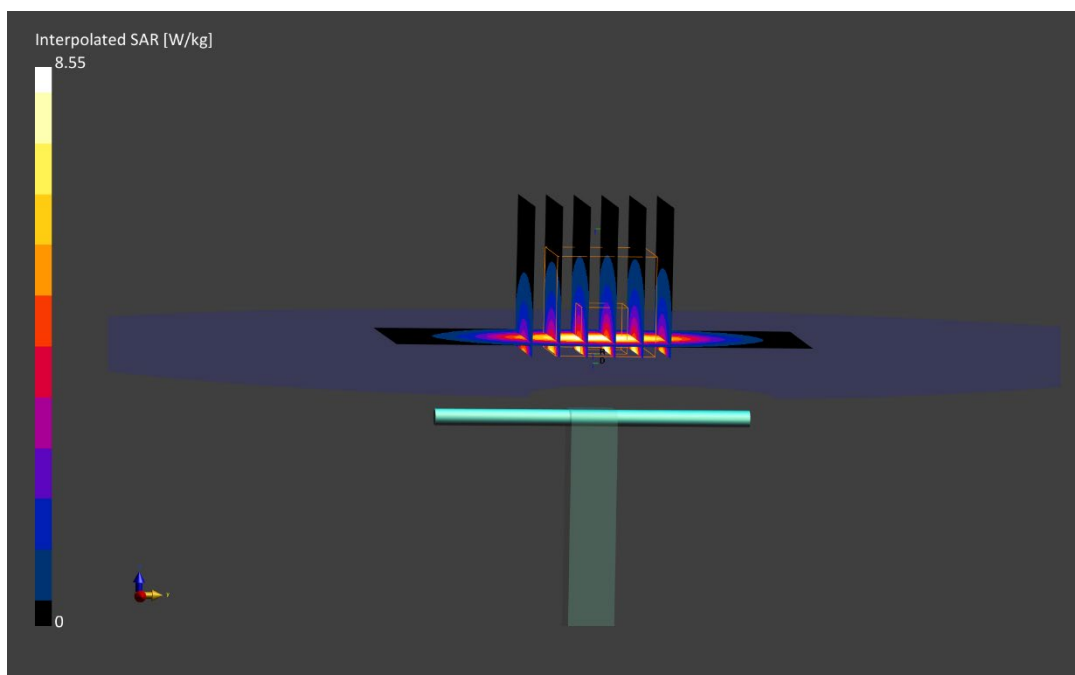
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 8.55 W/kg

SAR(1 g) = 4.27 W/kg

Deviation (1 g) = 7.29%



PCTEST

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 = 1.78 S/m; perm = 40.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/07/2021; Ambient Temp: 24.0°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7660; ConvF:(8.49,8.49,8.49); Calibrated: 2021-06-28
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2021-06-22
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY8 Module SAR V16.0.0.65

2450.0 MHz System Verification at 20.0 dBm

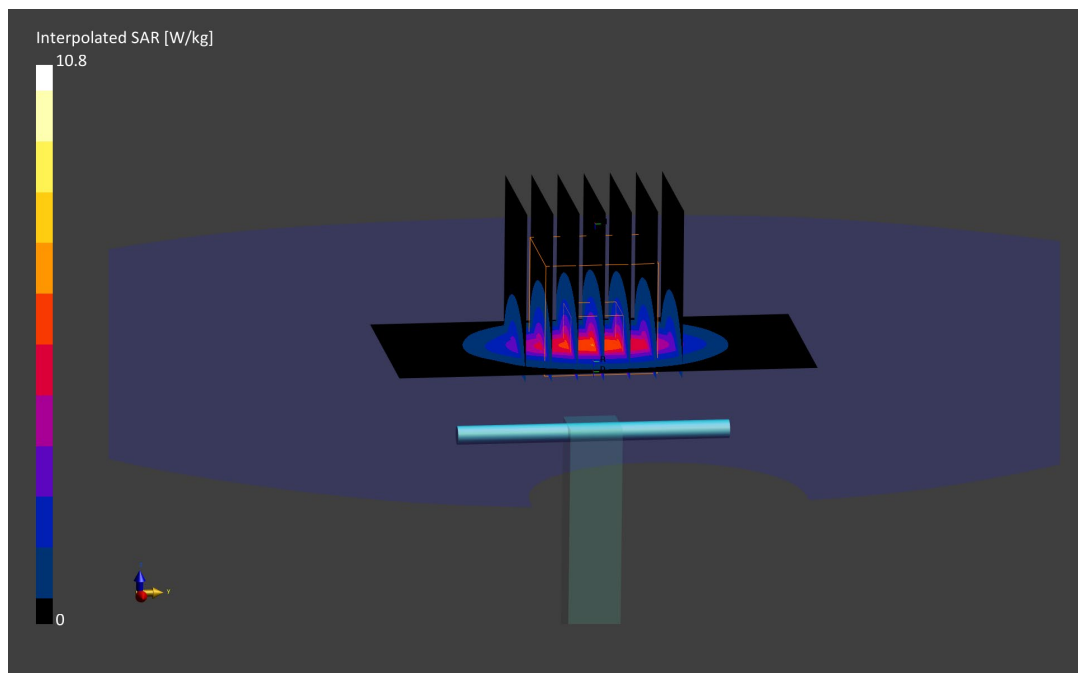
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 10.8 W/kg

SAR(1 g) = 4.89 W/kg

Deviation (1 g) = -6.50%



PCTEST

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 = 1.83 S/m; perm = 39.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/14/2021; Ambient Temp: 23.5°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7660; ConvF:(8.49,8.49,8.49); Calibrated: 2021-06-28
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2021-06-22
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: cDASY6 Module SAR V16.0.0.116

2450.0 MHz System Verification at 20.0 dBm

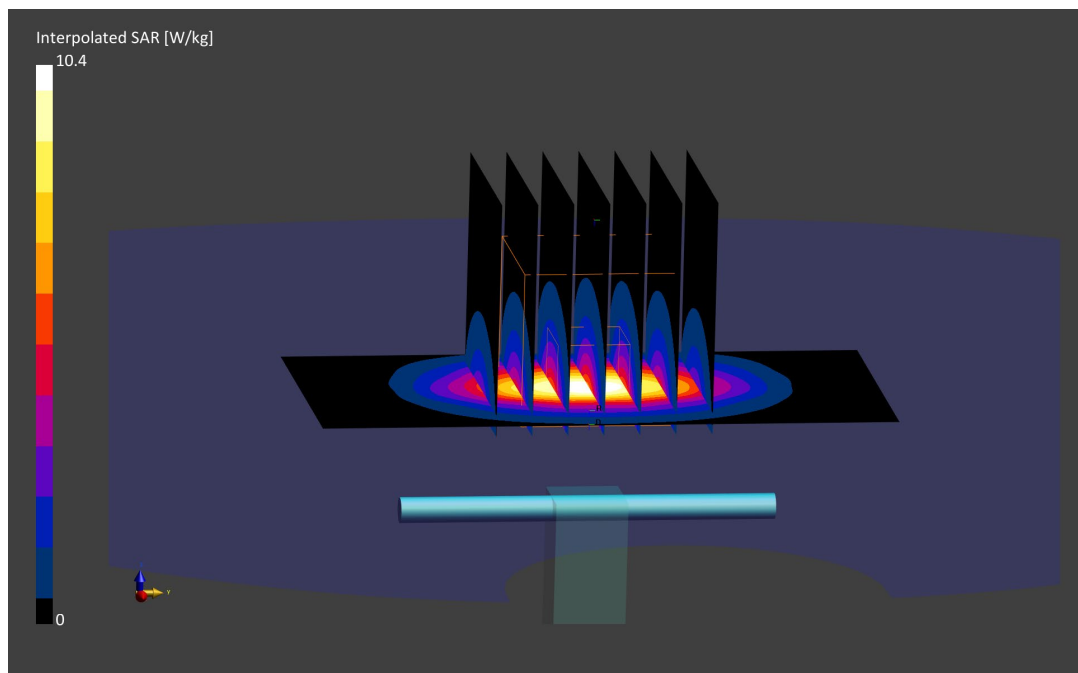
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 10.4 W/kg

SAR(1 g) = 4.87 W/kg

Deviation (1 g) = -6.88%



PCTEST

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 = 38.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/03/2021; Ambient Temp: 24.1°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7660; ConvF:(8.49,8.49,8.49); Calibrated: 2021-06-28

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

Electronics: DAE4 Sn1677; Calibrated: 2021-06-22

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

Measurement SW: DASY Module SAR V16.0.0.65

2450 MHz System Verification at 20 dBm (100 mW)

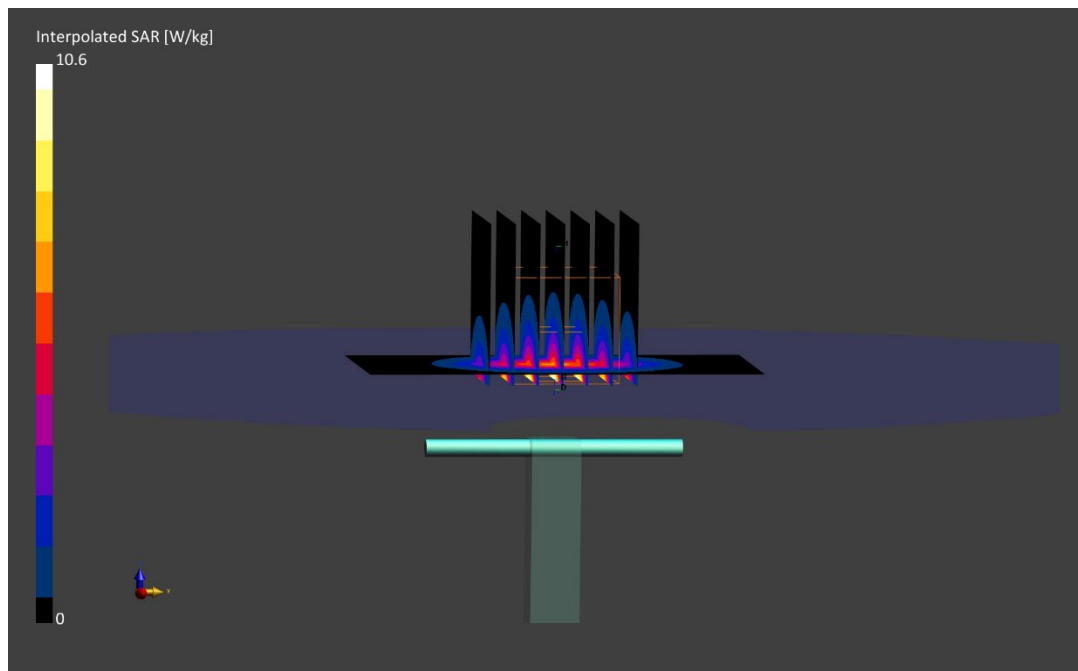
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 10.6 W/kg

SAR(1 g) = 4.92 W/kg

Deviation (1 g) = -5.93%



PCTEST

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 = 1.96 S/m; perm = 39.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/07/2021; Ambient Temp: 24.0°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7660; ConvF:(8.26,8.26,8.26); Calibrated: 2021-06-28
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2021-06-22
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY8 Module SAR V16.0.0.65

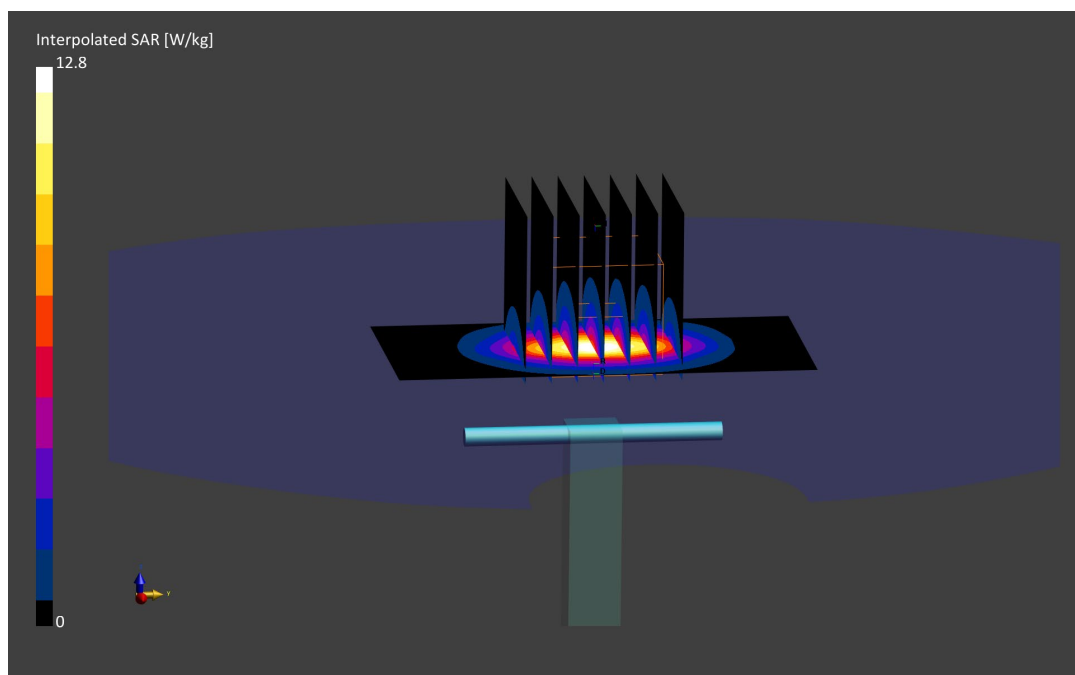
2600.0 MHz System Verification at 20.0 dBm

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) = 12.8 W/kg

SAR(1 g) = 5.60 W/kg

Deviation (1 g) = -0.18%



PCTEST

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 = 1.95 S/m; perm = 39.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

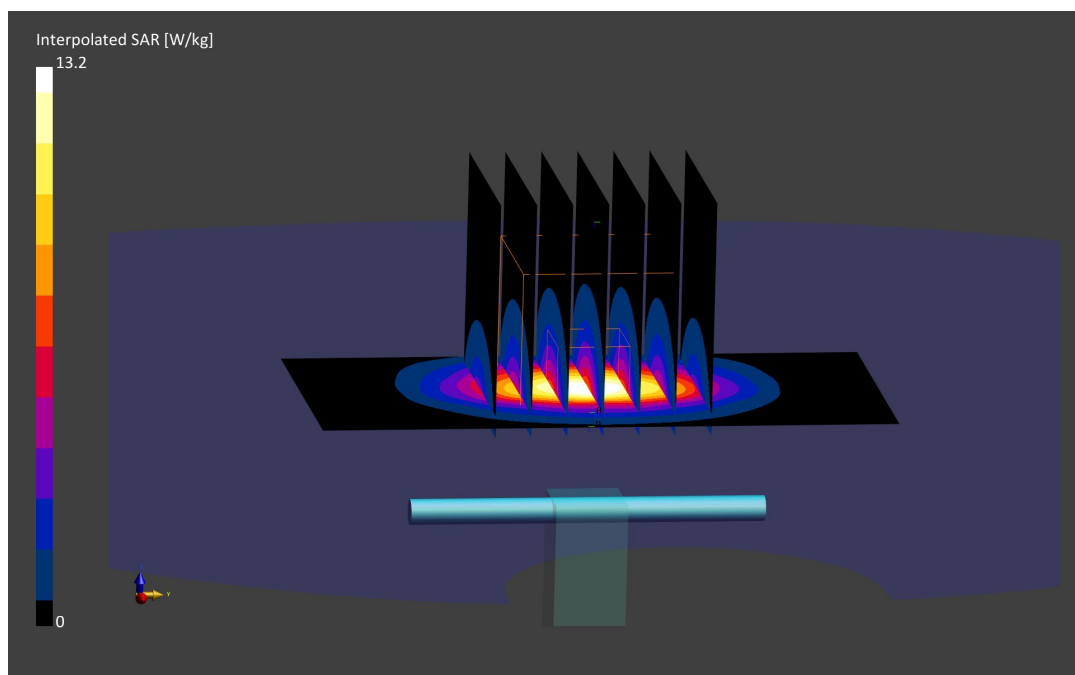
Test Date: 09/14/2021; Ambient Temp: 23.5°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7660; ConvF:(8.26,8.26,8.26); Calibrated: 2021-06-28
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2021-06-22
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: cDASY6 Module SAR V16.0.0.116

2600.0 MHz System Verification at 20.0 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) = 13.2 W/kg
SAR(1 g) = 5.94 W/kg
Deviation (1 g) = 5.88%



PCTEST

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 = 1.98 S/m; perm = 38.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 10/03/2021; Ambient Temp: 24.1°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7660; ConvF:(8.26,8.26,8.26); Calibrated: 2021-06-28
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2021-06-22
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.0.0.65

2600 MHz System Verification at 20 dBm (100 mW)

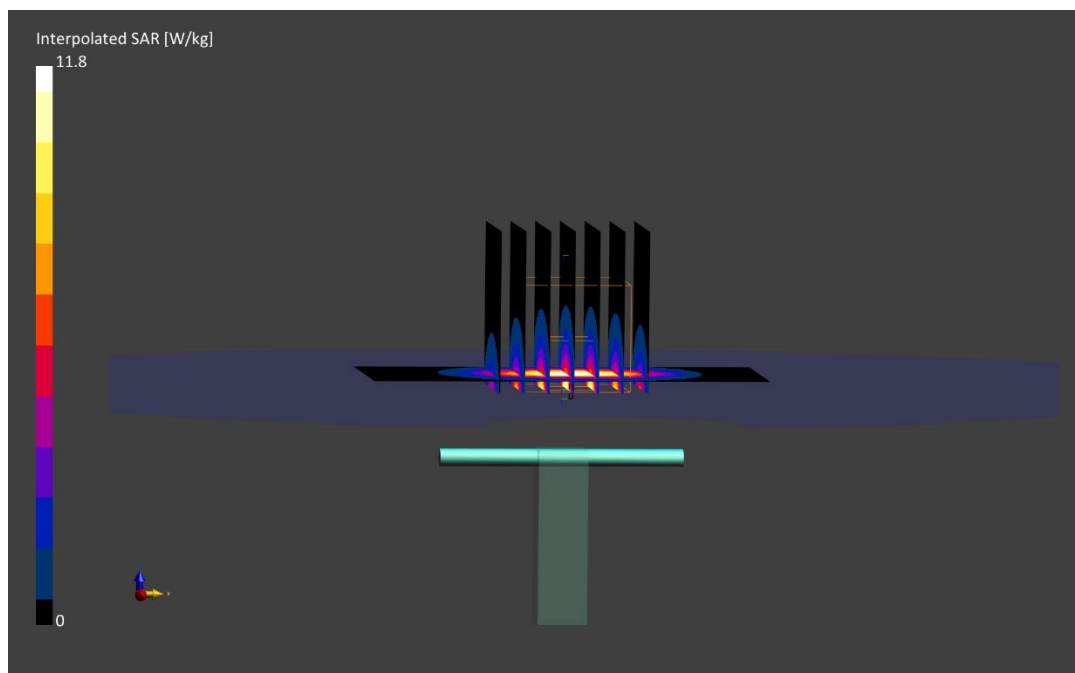
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 11.9 W/kg

SAR(1 g) = 5.40 W/kg

Deviation (1 g) = -3.74%



PCTEST

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 = 2.78 S/m; perm = 38.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/13/2021; Ambient Temp: 20.5°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7539; ConvF:(6.69,6.69,6.69); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: cDASY6 Module SAR V16.0.0.116

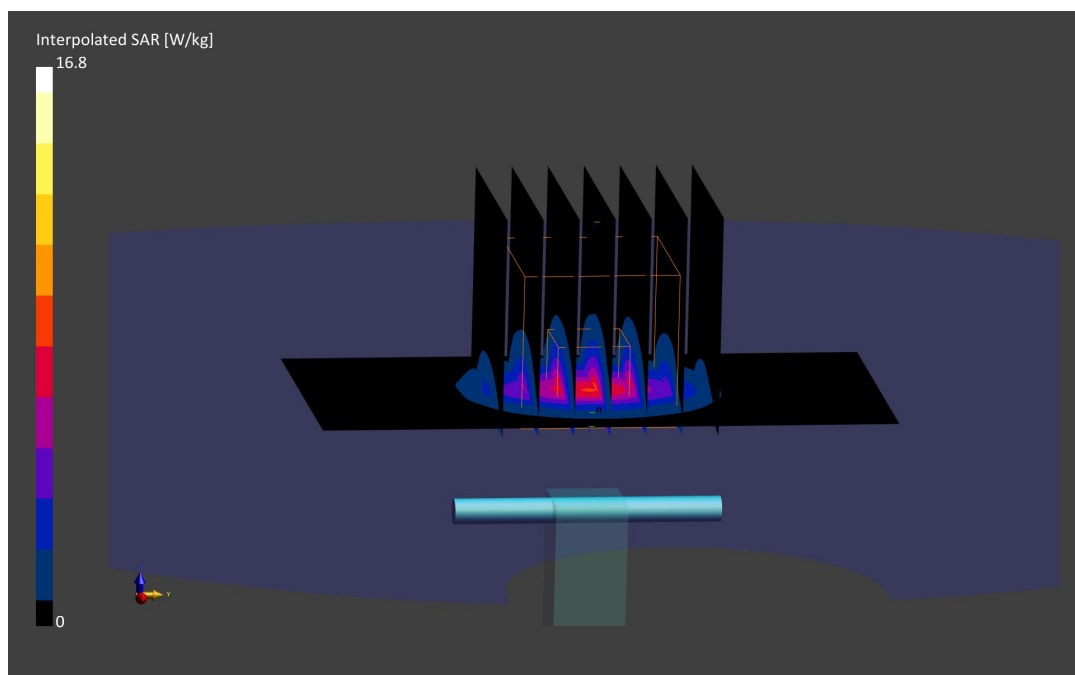
3500.0 MHz System Verification at 20.0 dBm

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) = 16.8 W/kg

SAR(1 g) = 6.56 W/kg

Deviation (1 g) = -1.20%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.0 MHz; cond = 2.96 S/m; perm = 38.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

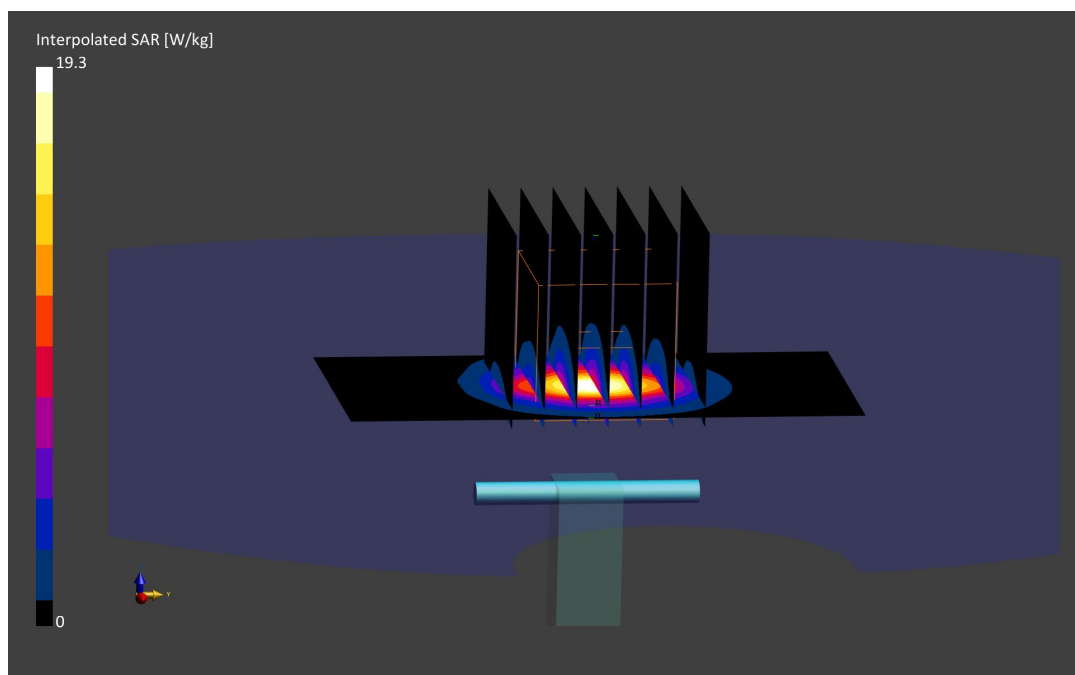
Test Date: 09/13/2021; Ambient Temp: 20.5°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7539; ConvF:(6.48,6.48,6.48); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: cDASY6 Module SAR V16.0.0.116

3700.0 MHz System Verification at 20.0 dBm

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

Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 19.3 W/kg
SAR(1 g) = 7.10 W/kg
Deviation (1 g) = 5.65%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.0 MHz; cond = 2.98 S/m; perm = 37.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/21/2021; Ambient Temp: 21.1°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7539; ConvF:(6.48,6.48,6.48); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.0.0.116

3700 MHz System Verification at 20 dBm

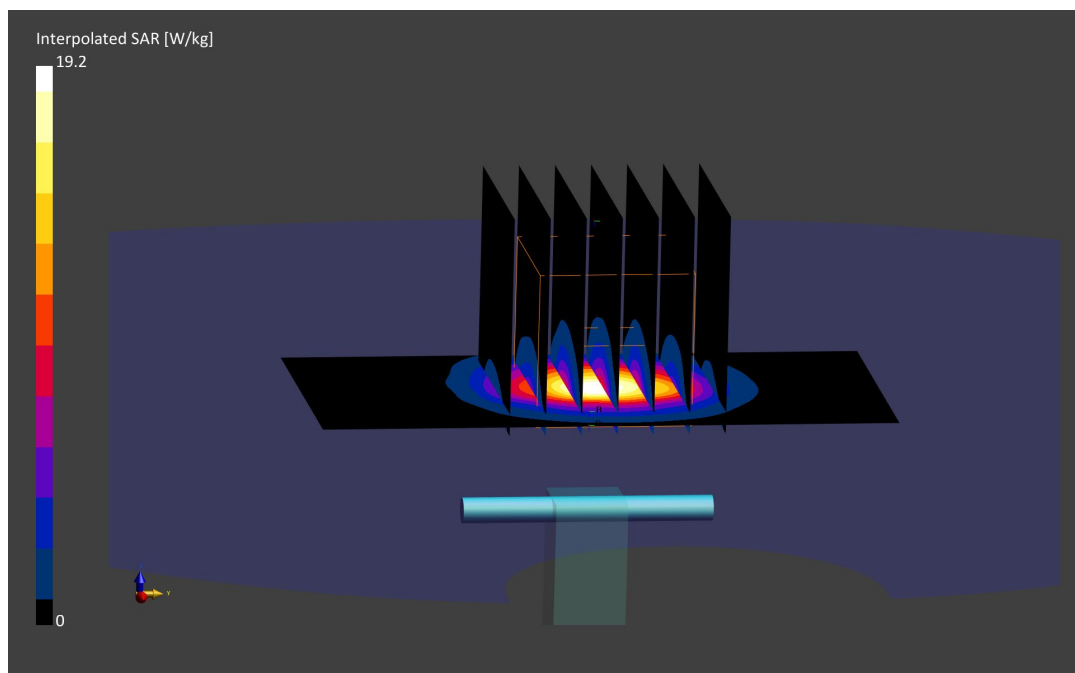
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (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) = 7.09 W/kg

Deviation (1 g) = 5.51%



PCTEST

DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1056

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 = 37.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/21/2021; Ambient Temp: 21.1°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7539; ConvF:(6.16,6.16,6.16); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: cDASY6 Module SAR V16.0.0.116

3900 MHz System Verification at 20 dBm (100 mW)

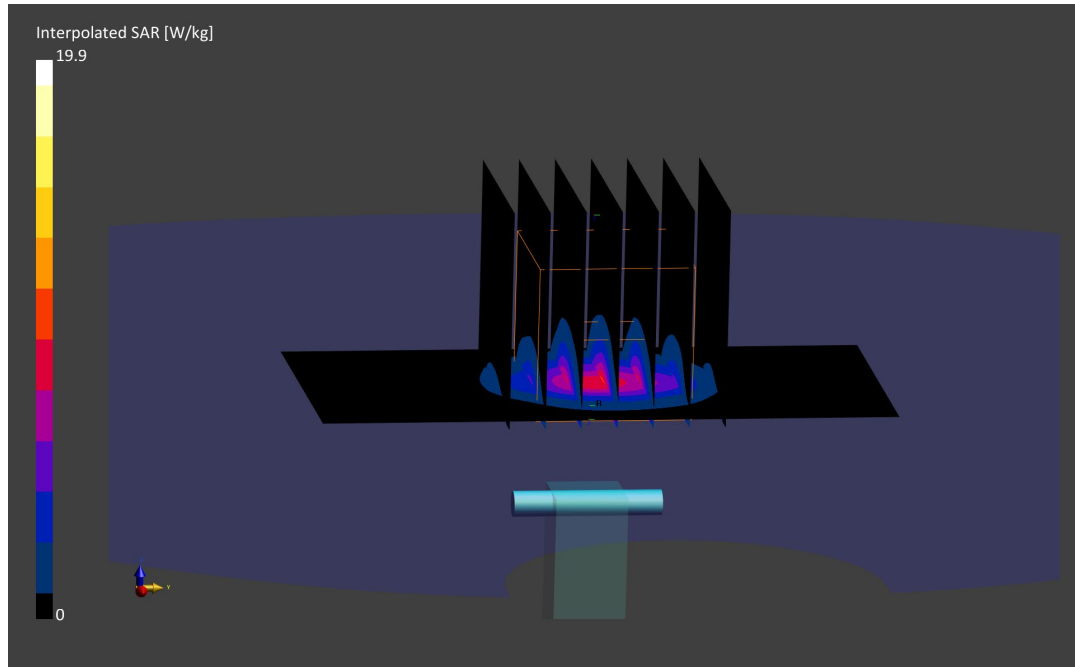
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 19.9 W/kg

SAR(1 g) = 7.32 W/kg

Deviation (1 g) = 6.24%



PCTEST

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.66 S/m; perm = 35.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/13/2021; Ambient Temp: 21.3°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7526; ConvF:(5.45,5.45,5.45); Calibrated: 2021-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2021-03-18
Phantom: Twin-SAM V5.0; Serial: 1758
Measurement SW: cDASY6 Module SAR V16.0.0.116

5250.0 MHz System Verification at 17.0 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) = 14.8 W/kg

SAR(1 g) = 3.74 W/kg

Deviation (1 g) = -6.15%



PCTEST

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 5.08 S/m; perm = 34.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/13/2021; Ambient Temp: 21.3°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7526; ConvF:(4.92,4.92,4.92); Calibrated: 2021-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2021-03-18
Phantom: Twin-SAM V5.0; Serial: 1758
Measurement SW: cDASY6 Module SAR V16.0.0.116

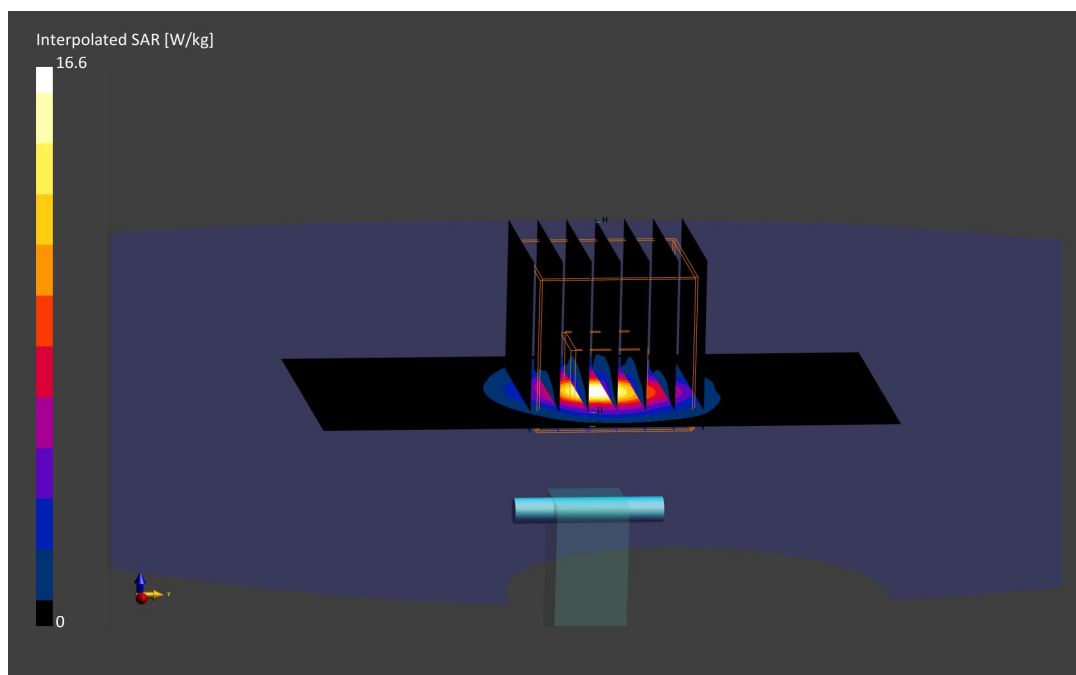
5600.0 MHz System Verification at 17.0 dBm

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) = 16.6 W/kg

SAR(1 g) = 3.93 W/kg

Deviation (1 g) = -6.21%



PCTEST

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.25 S/m; perm = 34.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/13/2021; Ambient Temp: 21.3°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7526; ConvF:(5.01,5.01,5.01); Calibrated: 2021-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2021-03-18
Phantom: Twin-SAM V5.0; Serial: 1758
Measurement SW: cDASY6 Module SAR V16.0.0.116

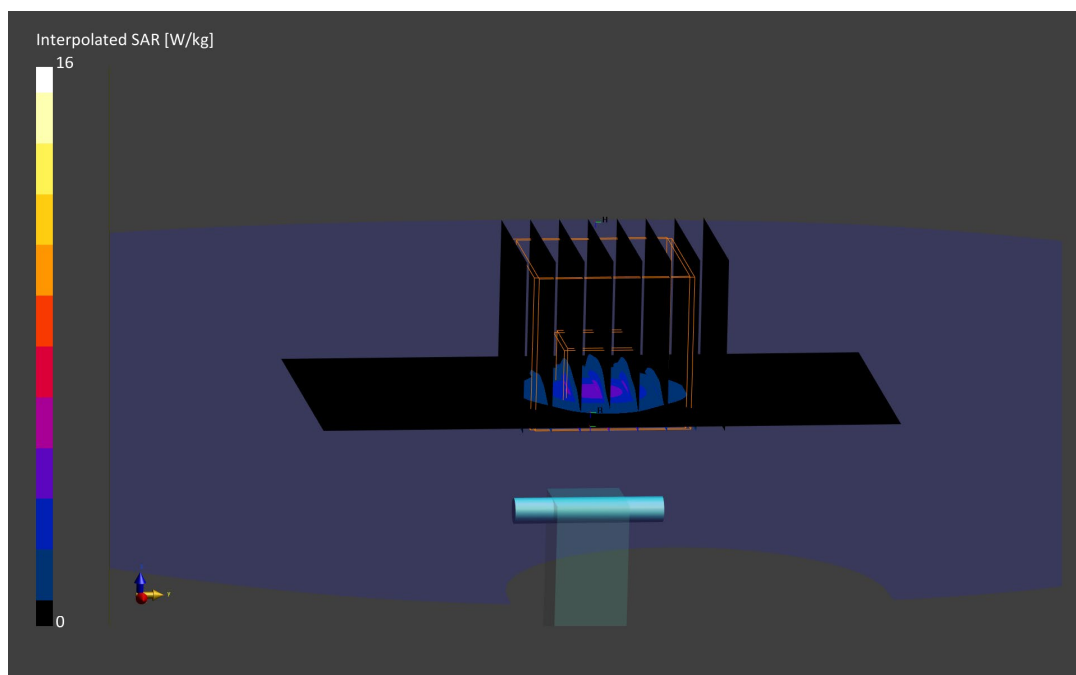
5750.0 MHz System Verification at 17.0 dBm

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) = 16.0 W/kg

SAR(1 g) = 3.68 W/kg

Deviation (1 g) = -8.11%



PCTEST

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

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

Medium: 750 Body Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.958 \text{ S/m}$; $\epsilon_r = 55.775$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/10/2021; Ambient Temp: 23.0°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7409; ConvF(9.96, 9.96, 9.96) @ 750 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1334; Calibrated: 6/15/2021

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1759

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

750 MHz System Verification at 23.0 dBm (200 mW)

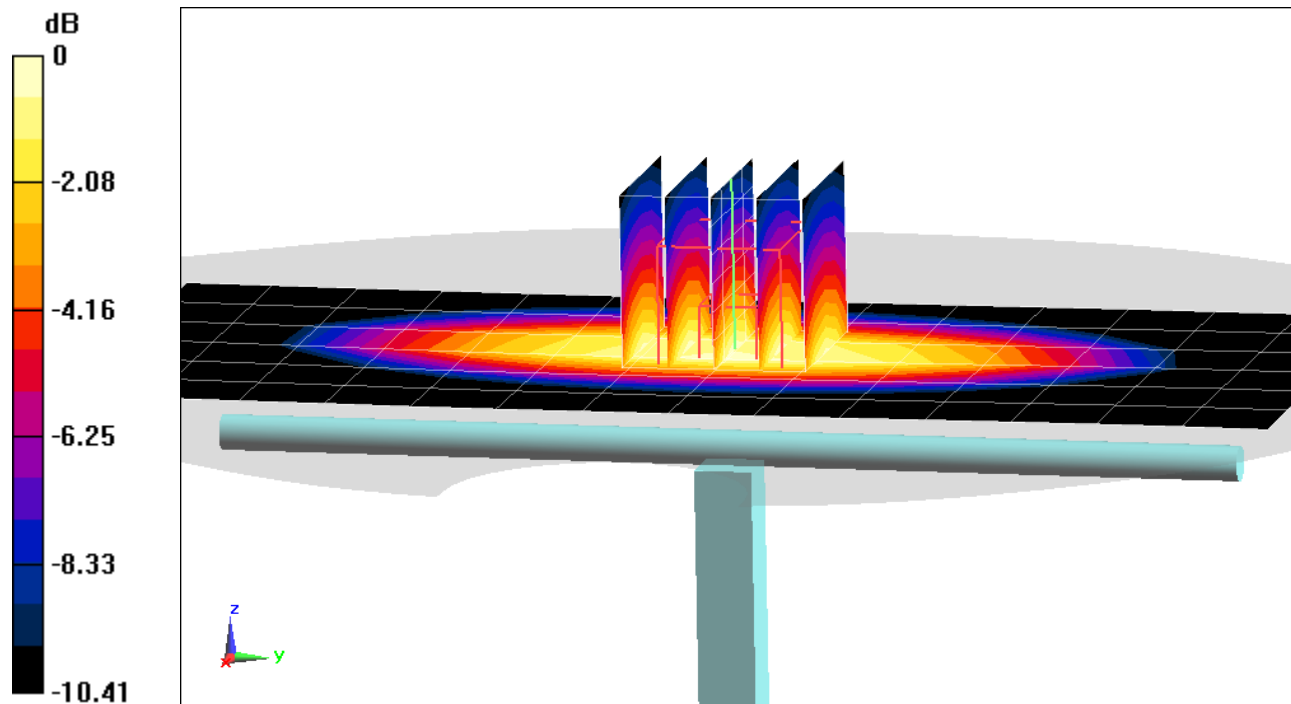
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 1.78 W/kg

Deviation(1 g) = 5.58%



0 dB = 2.44 W/kg = 3.87 dBW/kg

PCTEST

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

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

Medium: 750 Body Medium parameters used:

$f = 750 \text{ MHz}$; $\sigma = 0.954 \text{ S/m}$; $\epsilon_r = 55.666$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/12/2021; Ambient Temp: 22.0°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7409; ConvF(9.96, 9.96, 9.96) @ 750 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1334; Calibrated: 6/15/2021

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1759

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

750 MHz System Verification at 23.0 dBm (200 mW)

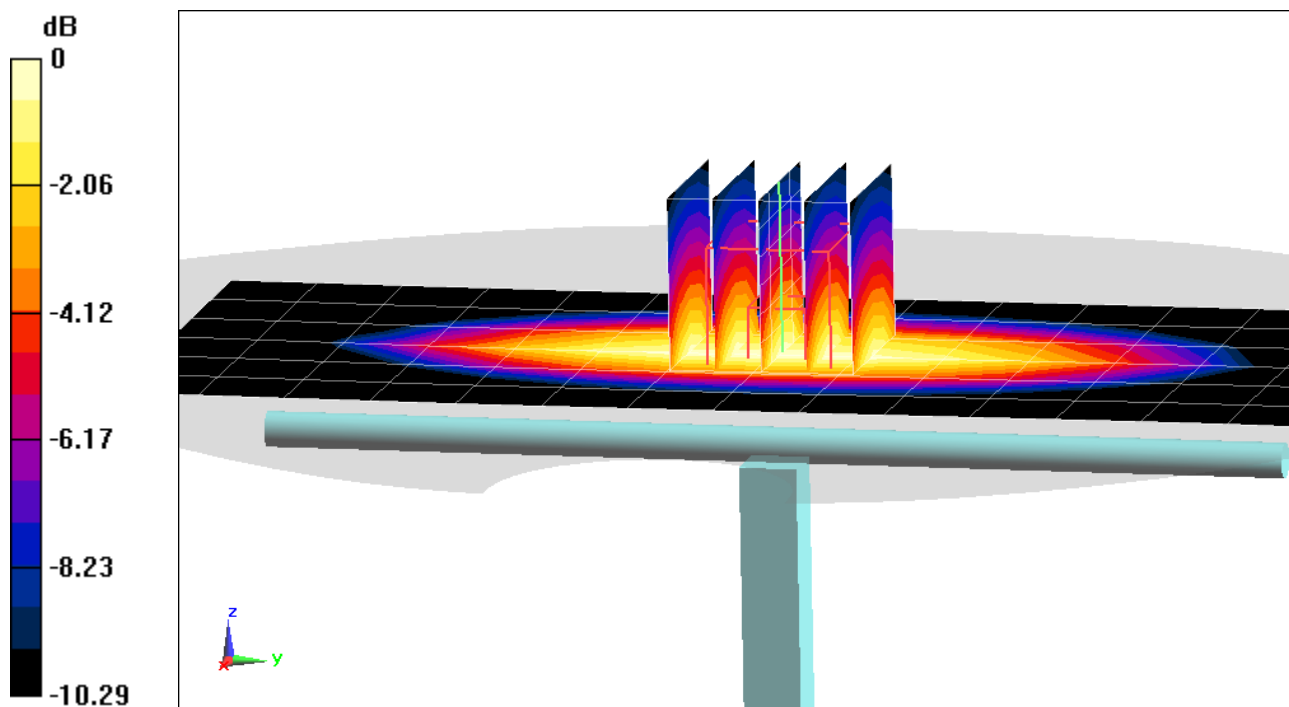
Area Scan (7x15x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 1.68 W/kg

Deviation(1 g) = -0.36%



0 dB = 2.26 W/kg = 3.54 dBW/kg

PCTEST

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

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

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.944 \text{ S/m}$; $\epsilon_r = 53.684$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/07/2021; Ambient Temp: 22.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7409; ConvF(9.66, 9.66, 9.66) @ 835 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1334; Calibrated: 6/15/2021

Phantom: Twin-SAM V5.0 Front (20).; Type: QD 000 P40 CD; Serial: 1759

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

835 MHz System Verification at 23.0 dBm (200 mW)

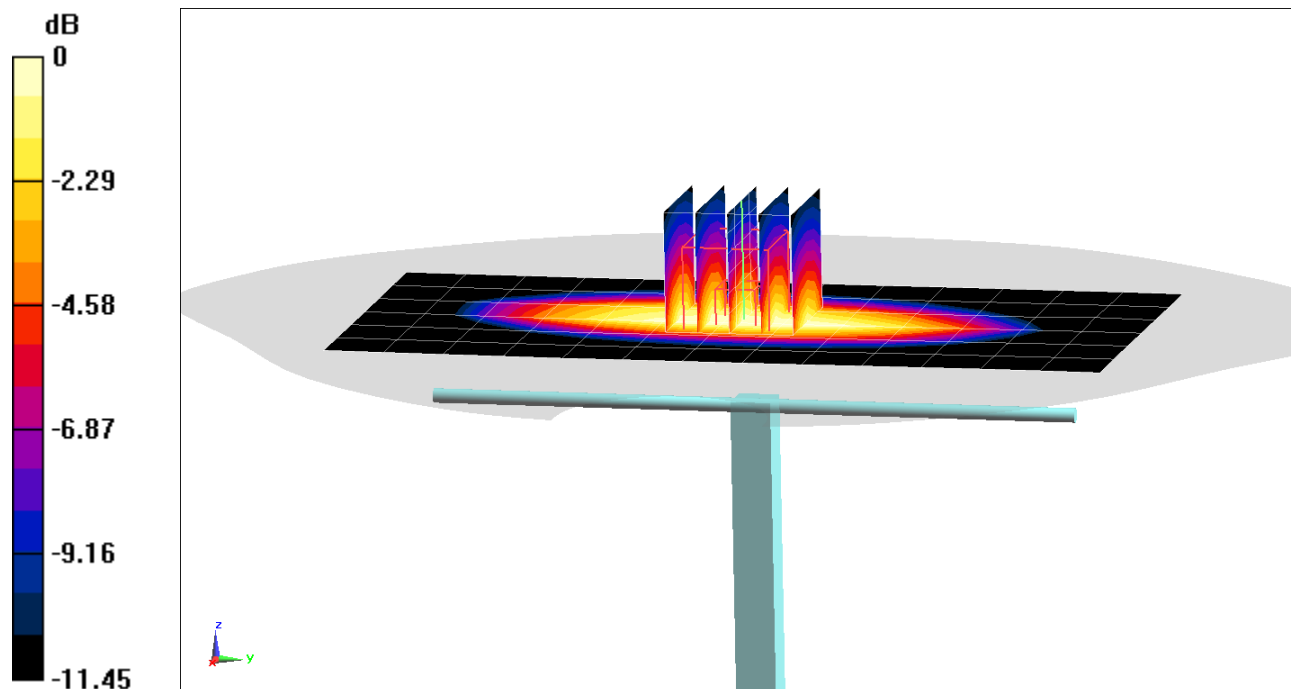
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 3.27 W/kg

SAR(1 g) = 1.96 W/kg

Deviation(1 g) = -0.10%



PCTEST

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

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

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.953 \text{ S/m}$; $\epsilon_r = 54.283$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/09/2021; Ambient Temp: 21.6°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7409; ConvF(9.66, 9.66, 9.66) @ 835 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1334; Calibrated: 6/15/2021

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1759

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

835 MHz System Verification at 23.0 dBm (200 mW)

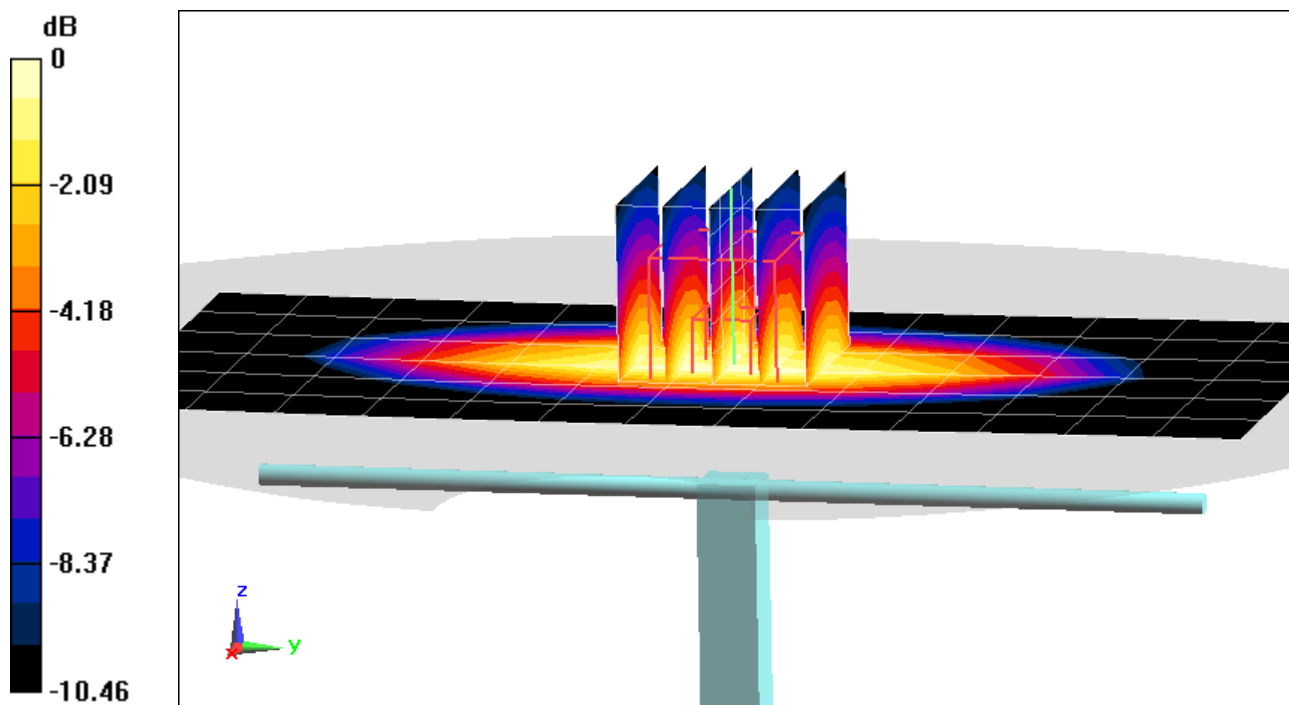
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 3.17 W/kg

SAR(1 g) = 2.04 W/kg

Deviation(1 g) = 3.98%



0 dB = 2.77 W/kg = 4.42 dBW/kg

PCTEST

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

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

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.946 \text{ S/m}$; $\epsilon_r = 55.204$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/18/2021; Ambient Temp: 23.0°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7409; ConvF(9.66, 9.66, 9.66) @ 835 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1334; Calibrated: 6/15/2021

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1759

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

835 MHz System Verification at 23.0 dBm (200 mW)

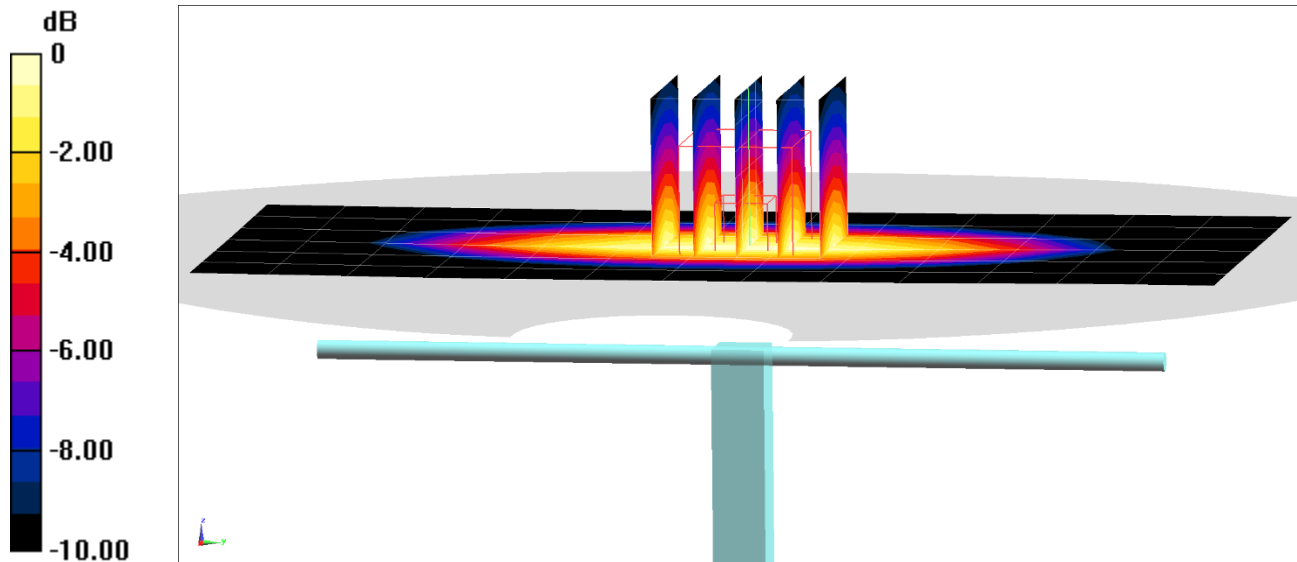
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 2.99 W/kg

SAR(1 g) = 1.98 W/kg

Deviation(1 g) = 0.92%



0 dB = 2.64 W/kg = 4.22 dBW/kg

PCTEST

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

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

Medium: 835 Body Medium parameters used:

$f = 835 \text{ MHz}$; $\sigma = 0.947 \text{ S/m}$; $\epsilon_r = 54.693$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 09/20/2021; Ambient Temp: 23.5°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7409; ConvF(9.66, 9.66, 9.66) @ 835 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1334; Calibrated: 6/15/2021

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1759

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

835 MHz System Verification at 23.0 dBm (200 mW)

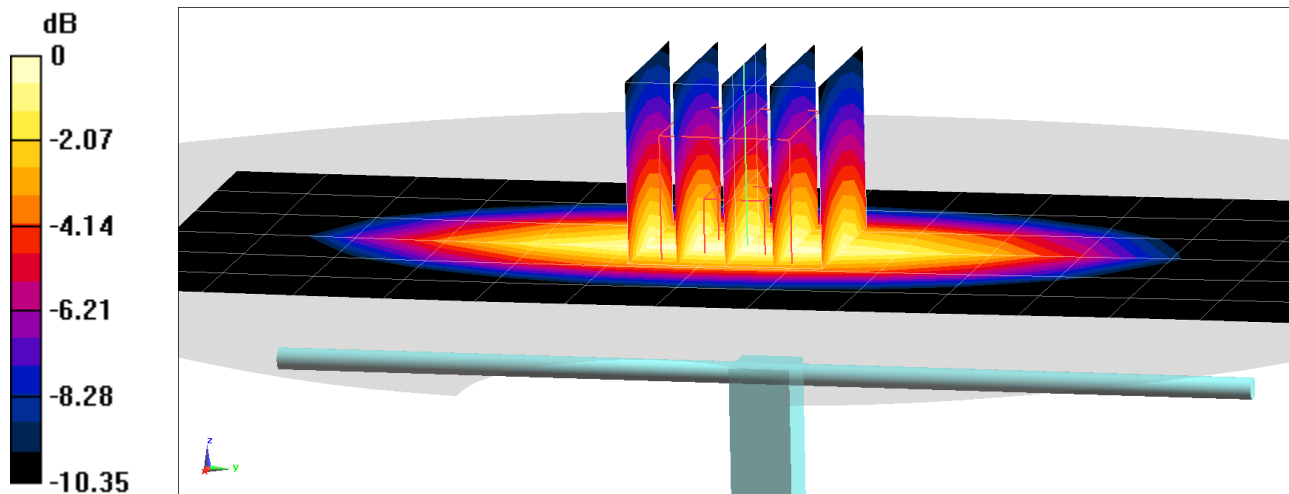
Area Scan (7x14x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 3.02 W/kg

SAR(1 g) = 1.99 W/kg

Deviation(1 g) = 2.05%



PCTEST

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

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

Medium: 1750 Body Medium parameters used:

$f = 1750 \text{ MHz}$; $\sigma = 1.544 \text{ S/m}$; $\epsilon_r = 51.47$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/07/2021; Ambient Temp: 23.3°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7357; ConvF(8.12, 8.12, 8.12) @ 1750 MHz; Calibrated: 4/19/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1686

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

1750 MHz System Verification at 20.0 dBm (100 mW)

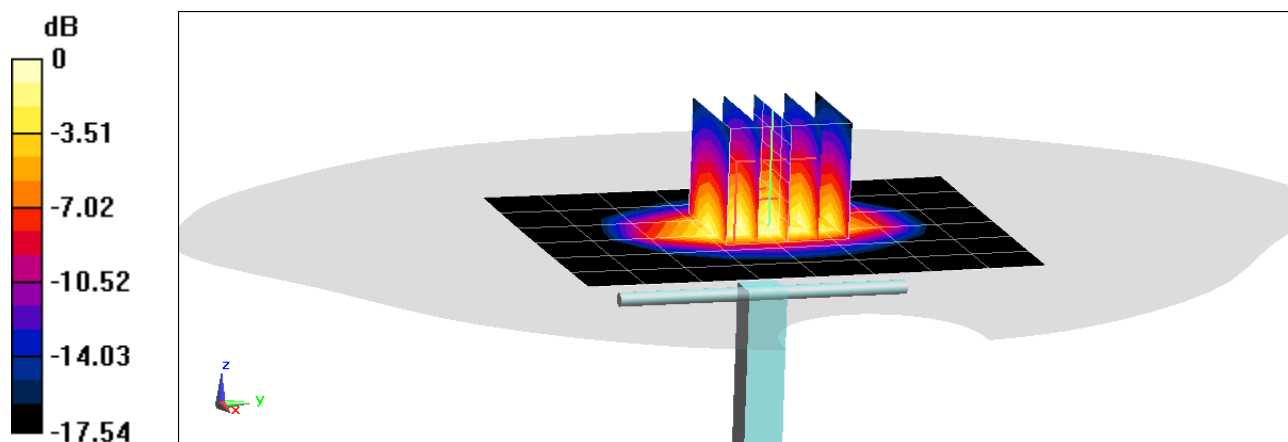
Area Scan (7x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 7.28 W/kg

SAR(1 g) = 4.02 W/kg

Deviation(1 g) = 9.84%



0 dB = 6.17 W/kg = 7.90 dBW/kg

PCTEST

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

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

Medium: 1750 Body Medium parameters used:

$f = 1750 \text{ MHz}$; $\sigma = 1.499 \text{ S/m}$; $\epsilon_r = 52.262$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/21/2021; Ambient Temp: 23.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7357; ConvF(8.12, 8.12, 8.12) @ 1750 MHz; Calibrated: 4/19/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1686

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

1750 MHz System Verification at 20.0 dBm (100 mW)

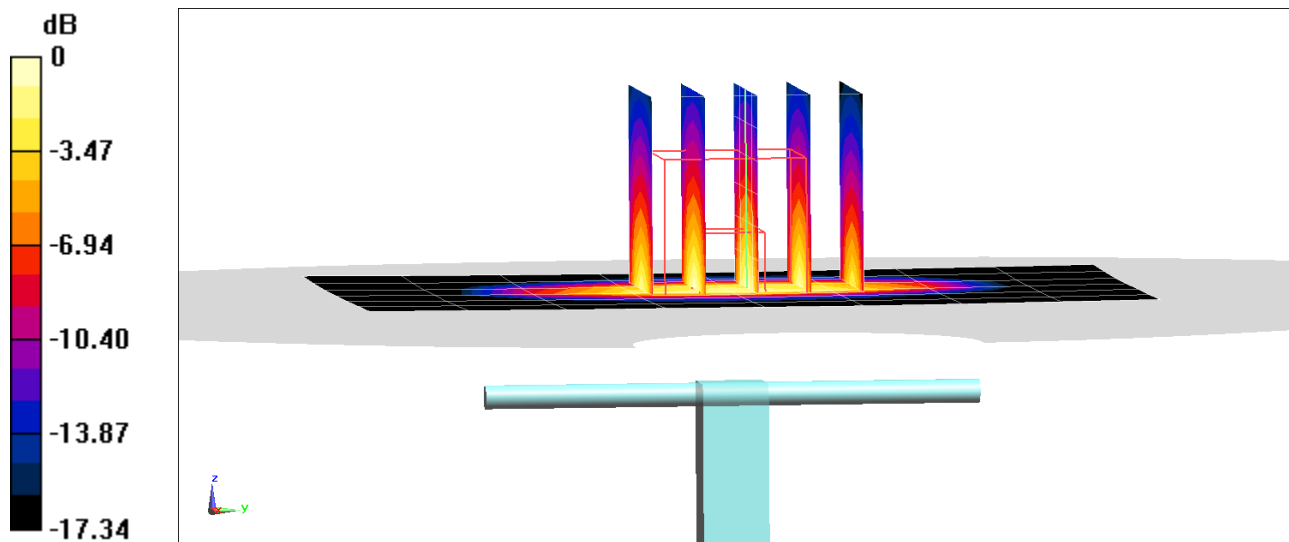
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.16 W/kg

SAR(10 g) = 2.07 W/kg

Deviation(10 g) = 6.70%



PCTEST

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

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

Medium: 1750 Body Medium parameters used:

$f = 1750 \text{ MHz}$; $\sigma = 1.52 \text{ S/m}$; $\epsilon_r = 53.459$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/26/2021; Ambient Temp: 22.4°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7357; ConvF(8.12, 8.12, 8.12) @ 1750 MHz; Calibrated: 4/19/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

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

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1686

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

1750 MHz System Verification at 20.0 dBm (100 mW)

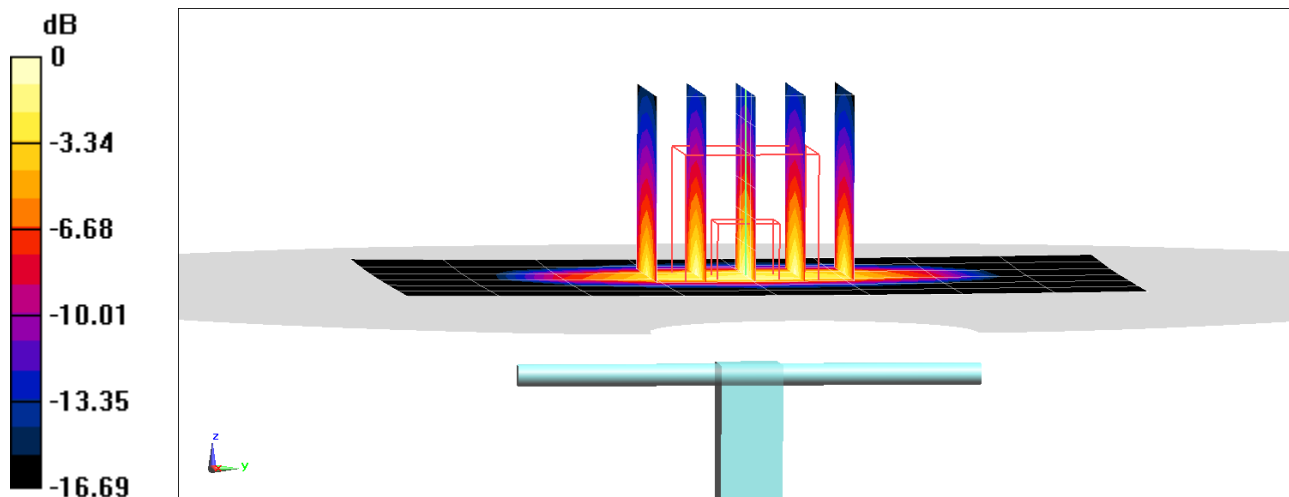
Area Scan (7x9x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 6.82 W/kg

SAR(1 g) = 3.76 W/kg; SAR(10 g) = 2 W/kg

Deviation(1 g) = 2.73%; Deviation(10 g) = 3.09%



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

PCTEST

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

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

Medium: 1900 Body Medium parameters used:

$f = 1900 \text{ MHz}$; $\sigma = 1.511 \text{ S/m}$; $\epsilon_r = 52.268$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/14/2021; Ambient Temp: 23.5°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7409; ConvF(7.68, 7.68, 7.68) @ 1900 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1334; Calibrated: 6/15/2021

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1759

Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

1900 MHz System Verification at 20.0 dBm (100 mW)

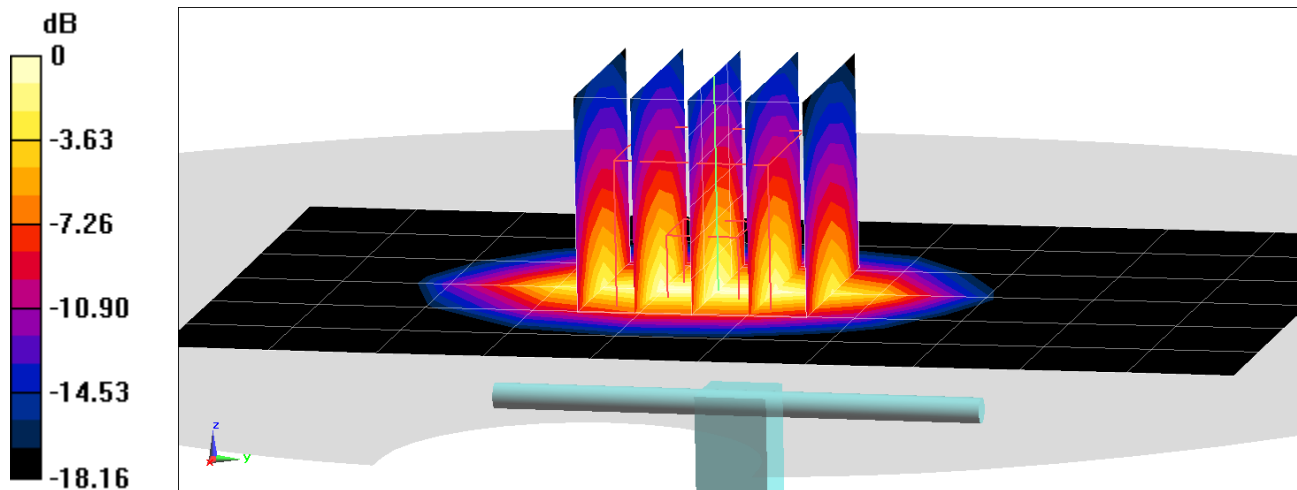
Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 7.95 W/kg

SAR(1 g) = 4.15 W/kg

Deviation(1 g) = 5.87%



0 dB = 6.60 W/kg = 8.20 dBW/kg

PCTEST

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

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

Medium: 1900 Body Medium parameters used:

$f = 1900 \text{ MHz}$; $\sigma = 1.553 \text{ S/m}$; $\epsilon_r = 50.785$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/16/2021; Ambient Temp: 23.8°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7409; ConvF(7.68, 7.68, 7.68) @ 1900 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1334; Calibrated: 6/15/2021

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1759

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

1900 MHz System Verification at 20.0 dBm (100 mW)

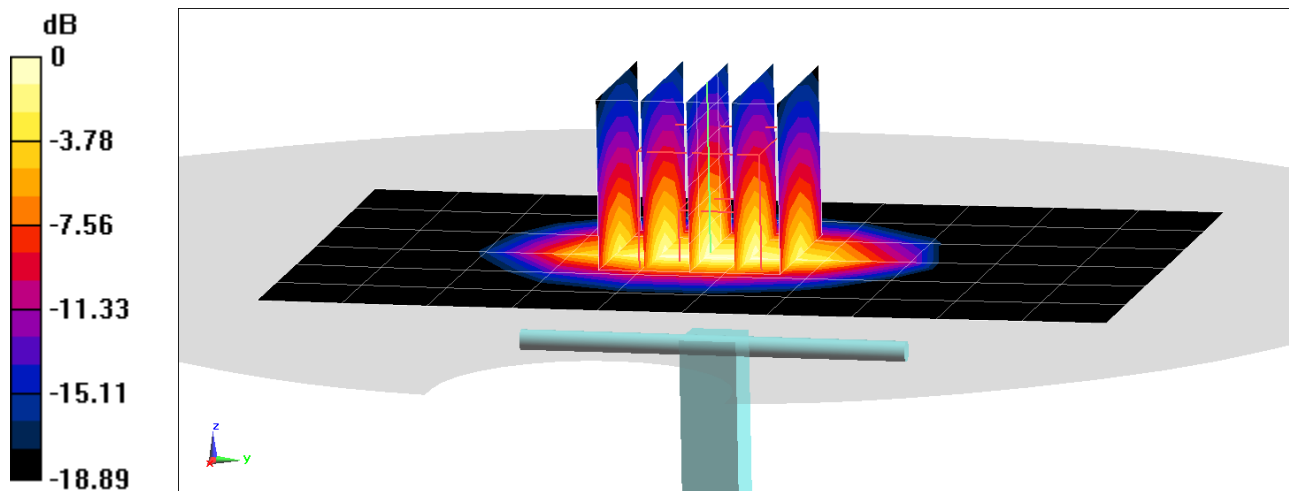
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 7.68 W/kg

SAR(1 g) = 3.92 W/kg

Deviation(1 g) = 0.26%



PCTEST

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

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

Medium: 1900 Body Medium parameters used:

$f = 1900 \text{ MHz}$; $\sigma = 1.55 \text{ S/m}$; $\epsilon_r = 50.996$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09/22/2021; Ambient Temp: 23.8°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN7409; ConvF(7.68, 7.68, 7.68) @ 1900 MHz; Calibrated: 6/21/2021

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

Electronics: DAE4 Sn1334; Calibrated: 6/15/2021

Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1759

Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7495)

1900 MHz System Verification at 20.0 dBm (100 mW)

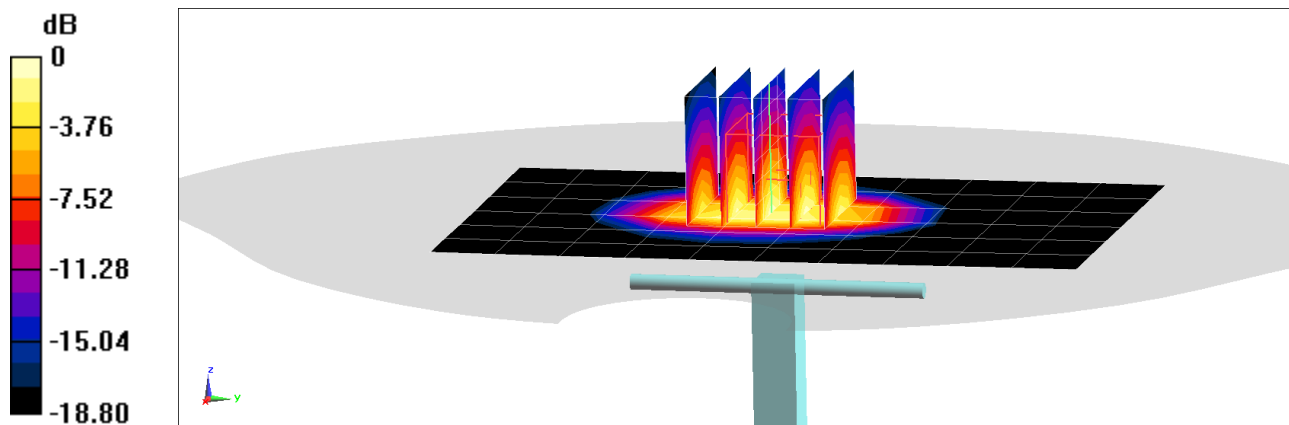
Area Scan (7x11x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Peak SAR (extrapolated) = 7.83 W/kg

SAR(1 g) = 4.12 W/kg; SAR(10 g) = 2.1 W/kg

Deviation(1 g) = 5.10%; Deviation(10 g) = 1.94%



0 dB = 6.49 W/kg = 8.12 dBW/kg

PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

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

Medium: 2450 Body; Medium parameters used:

f = 2450.0 MHz; cond = 2.00 S/m; perm = 53.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 08/30/2021; Ambient Temp: 21.7°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7539; ConvF:(7.62,7.62,7.62); Calibrated: 2020-10-20

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

Electronics: DAE4 Sn1415; Calibrated: 2021-03-10

Phantom: Twin-SAM V8.0; Serial: 1966

Measurement SW: cDASY6 Module SAR V16.0.0.116

2450.0 MHz System Verification at 20.0 dBm

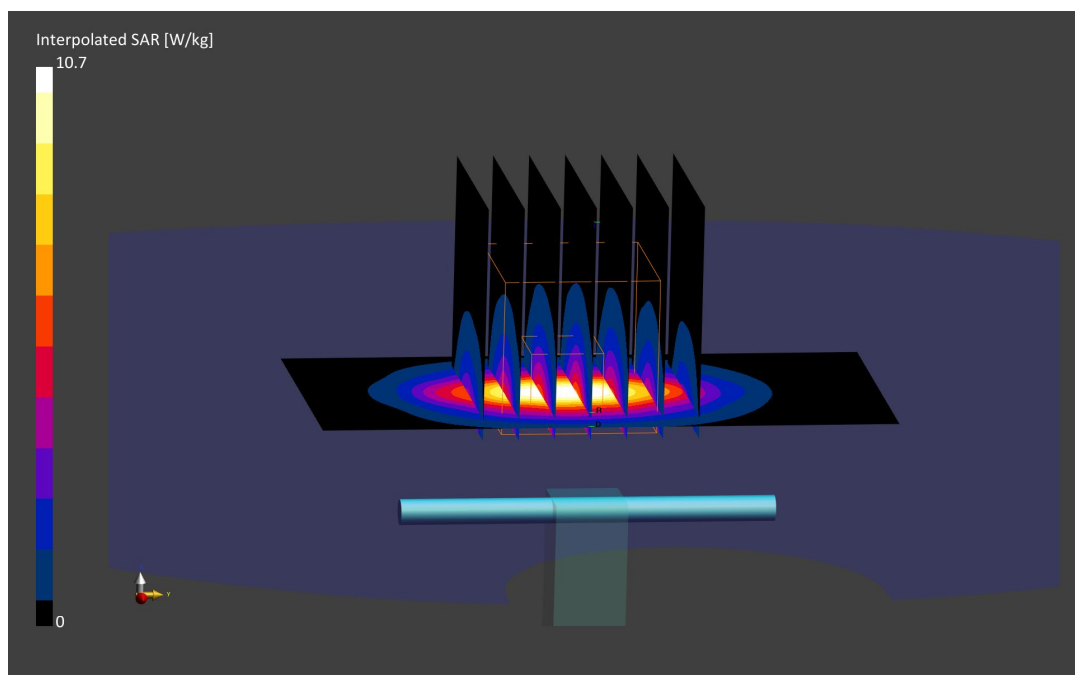
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 10.7 W/kg

SAR(1 g) = 4.93 W/kg

Deviation (1 g) = -1.60%



PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

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

Medium: 2450 Body; Medium parameters used:

f = 2450.0 MHz; cond = 2.02 S/m; perm = 52.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 09/07/2021; Ambient Temp: 22.6°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN3914; ConvF:(7.33,7.33,7.33); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

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

Measurement SW: cDASY6 Module SAR V16.0.0.116

2450.0 MHz System Verification at 20.0 dBm

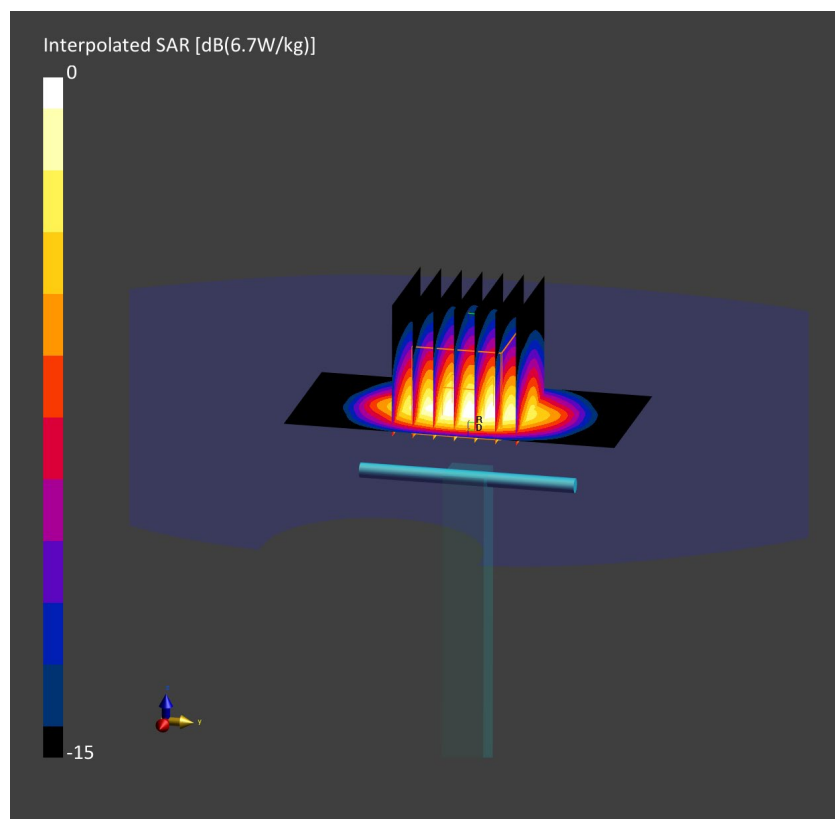
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 10.3 W/kg

SAR(1 g) = 5.01 W/kg

Deviation (1 g) = 0.00%



PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN797

Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2450.0 MHz; cond = 2.02 S/m; perm = 54.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/13/2021; Ambient Temp: 20.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7539; ConvF:(7.62,7.62,7.62); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: cDASY6 Module SAR V16.0.0.116

2450.0 MHz System Verification at 20.0 dBm

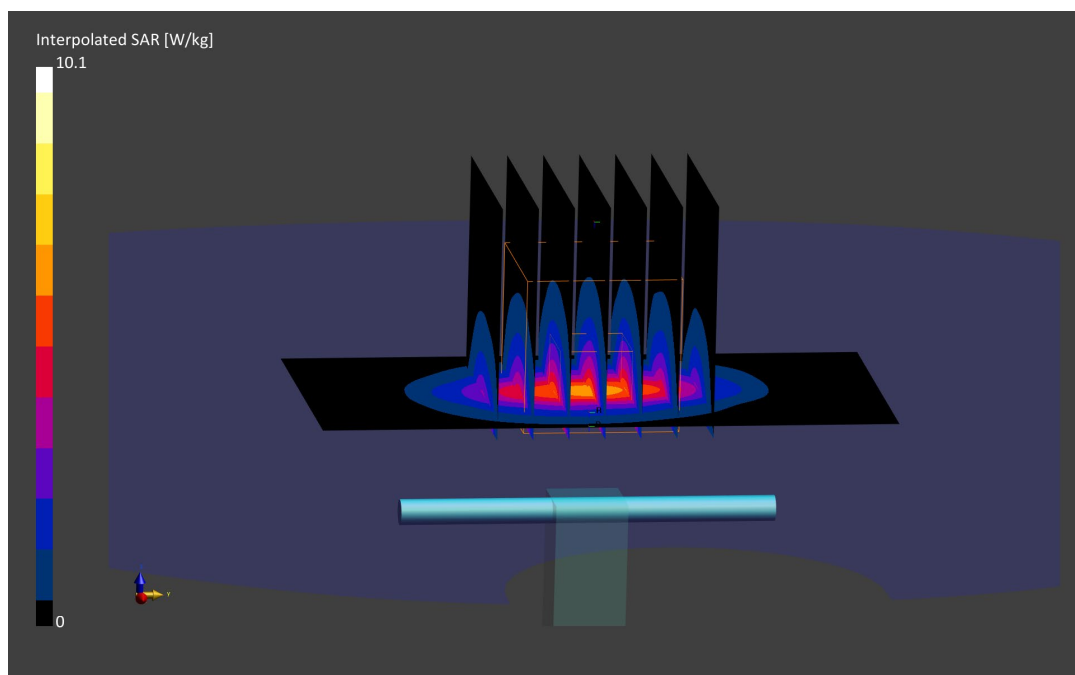
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 10.1 W/kg

SAR(1 g) = 4.86 W/kg

Deviation (1 g) = -1.62%



PCTEST

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

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

Medium: 2450 Body; Medium parameters used:

f = 2450.0 MHz; cond = 2.03 S/m; perm = 51.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 10/01/2021; Ambient Temp: 24.4°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN3914; ConvF:(7.33,7.33,7.33); Calibrated: 2021-05-18

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

Electronics: DAE4 Sn728; Calibrated: 2021-05-11

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

Measurement SW: DASY Module SAR V16.0.0.116

2450 MHz System Verification at 20 dBm (100 mW)

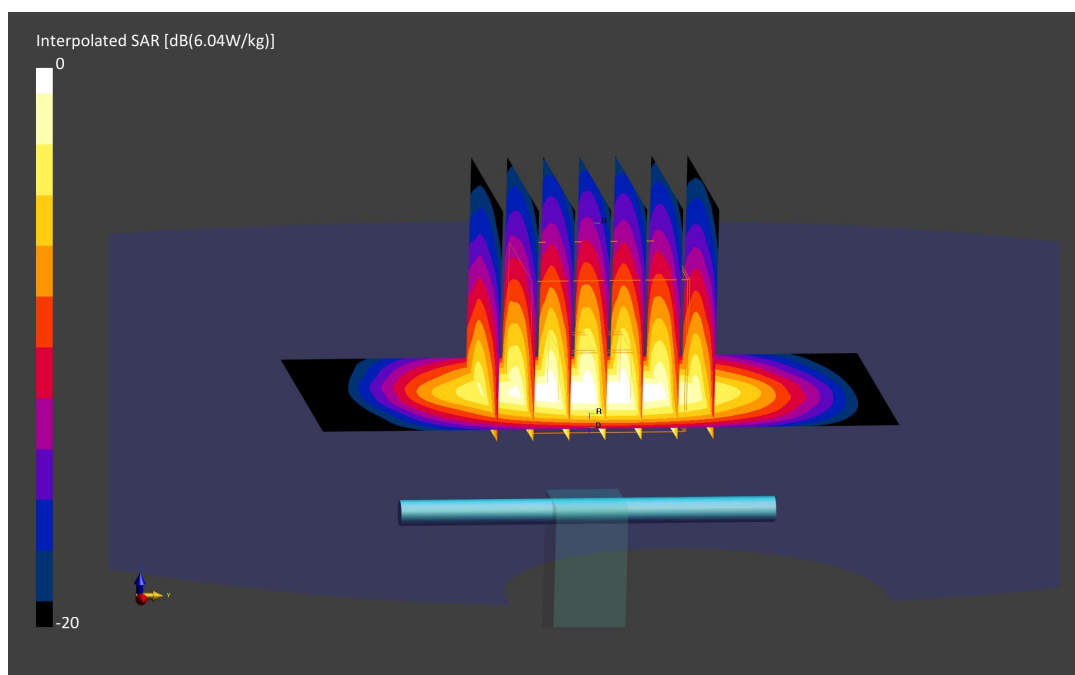
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 9.76 W/kg

SAR(1 g) = 4.65 W/kg

Deviation (1 g) = -7.19%



PCTEST

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1004

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2600.0 MHz; cond = 2.23 S/m; perm = 53.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/13/2021; Ambient Temp: 20.9°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7539; ConvF:(7.55,7.55,7.55); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: cDASY6 Module SAR V16.0.0.116

2600.0 MHz System Verification at 20.0 dBm

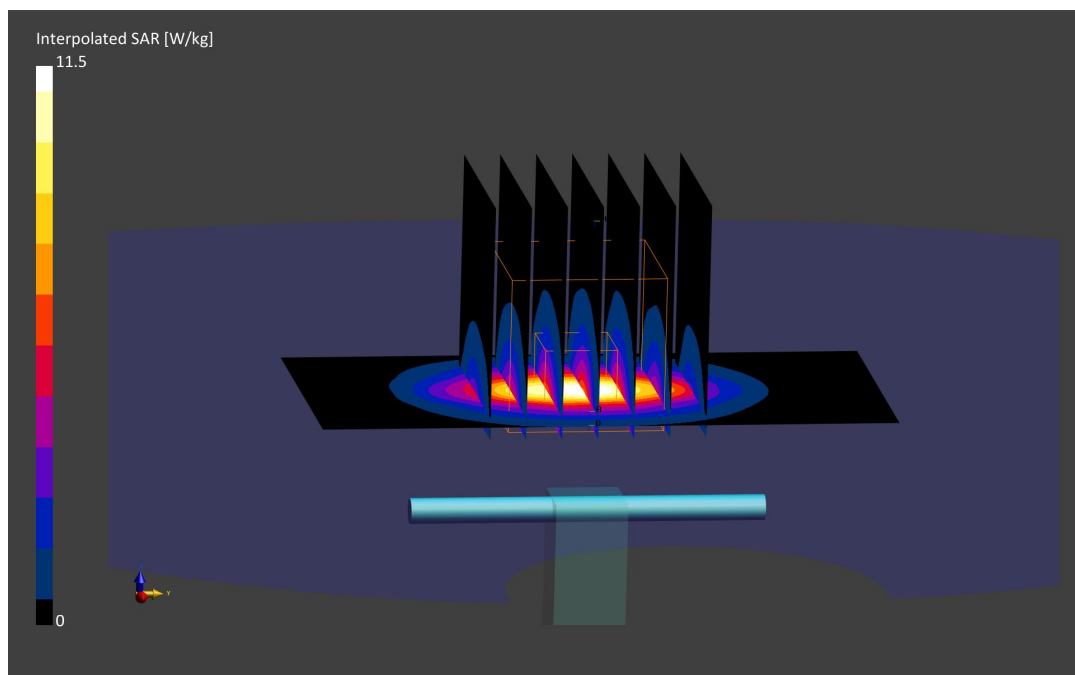
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 11.5 W/kg

SAR(1 g) = 5.25 W/kg

Deviation (1 g) = -5.23%



PCTEST

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1071

Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2600.0 MHz; cond = 2.22 S/m; perm = 50.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

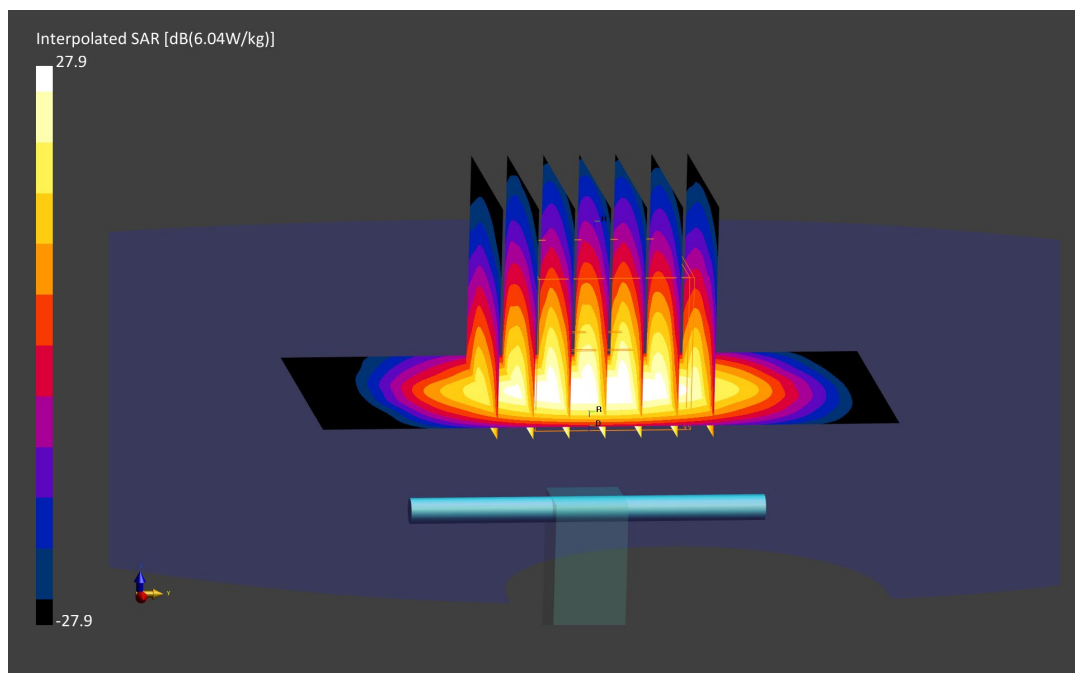
Test Date: 10/01/2021; Ambient Temp: 24.4°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN3914; ConvF:(7.14,7.14,7.14); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; Calibrated: 2021-05-11
Phantom: Twin-SAM V5.0 (Leftt); Serial: 1873
Measurement SW: DASY Module SAR V16.0.0.116

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) = 11.8 W/kg
SAR(1 g) = 5.26 W/kg
Deviation (1 g) = -3.13%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1059

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

Medium: 3600 Body; Medium parameters used:

f = 3500.0 MHz; cond = 3.43 S/m; perm = 49.4; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 09/13/2021; Ambient Temp: 22.3°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.23,6.23,6.23); Calibrated: 2020-10-20

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

Electronics: DAE4 Sn1333; Calibrated: 2020-10-16

Phantom: Twin-SAM V5.0; Serial: 1692 Right Back

Measurement SW: cDASY6 Module SAR V16.0.0.116

3500.0 MHz System Verification at 20.0 dBm

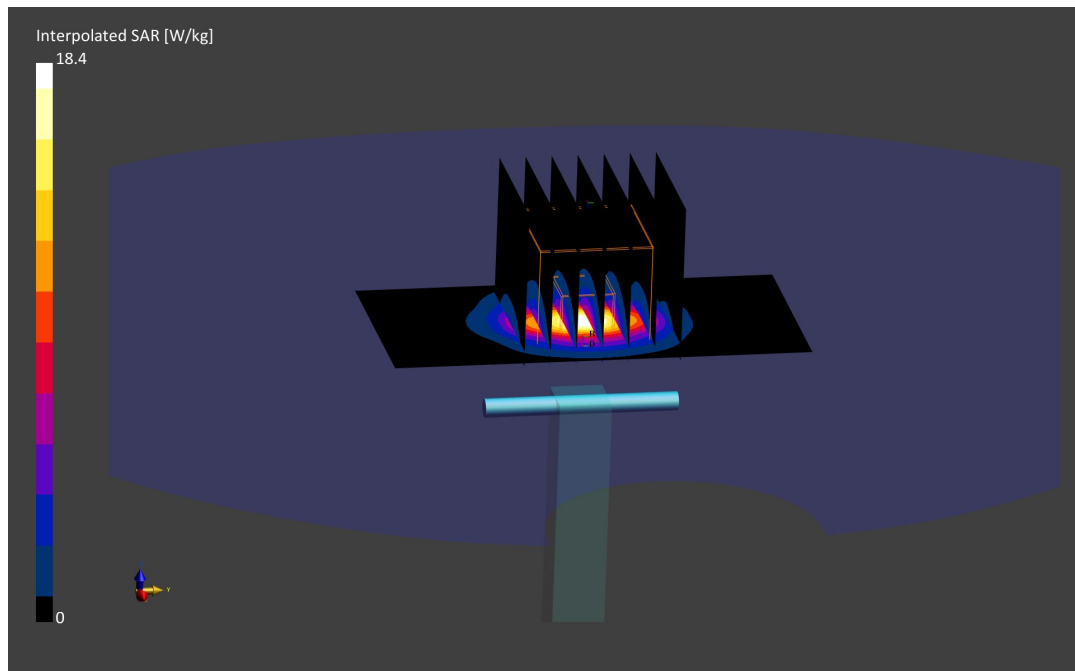
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 6.93 W/kg

Deviation (1 g) = 10.00%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1018

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3700.0 MHz; cond = 3.63 S/m; perm = 49.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/13/2021; Ambient Temp: 22.3°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7551; ConvF:(6.33,6.33,6.33); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0; Serial: 1692 Right Back
Measurement SW: cDASY6 Module SAR V16.0.0.116

3700.0 MHz System Verification at 20.0 dBm

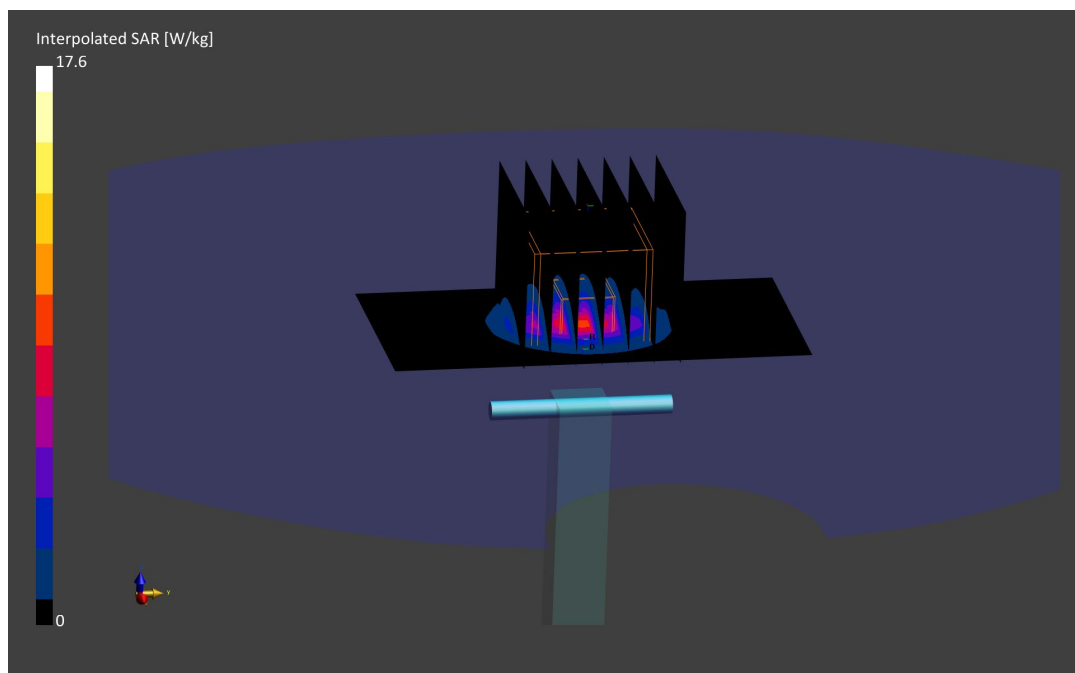
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 6.36 W/kg

Deviation (1 g) = 0.16%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1018

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3700.0 MHz; cond = 3.66 S/m; perm = 49.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/21/2021; Ambient Temp: 22.3°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7551; ConvF:(6.33,6.33,6.33); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0; Serial: 1692 Right Back
Measurement SW: cDASY6 Module SAR V16.0.0.116

3700 MHz System Verification at 20 dBm (100 mW)

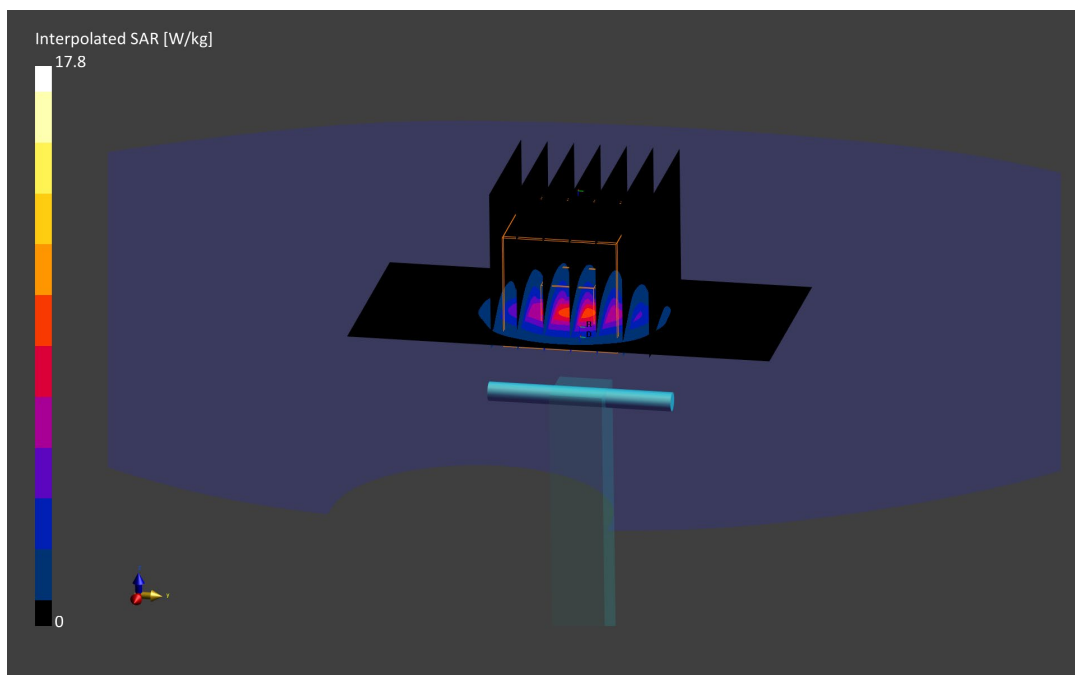
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 17.8 W/kg

SAR(1 g) = 6.66 W/kg; SAR(10 g) = 2.41 W/kg

Deviation (1 g) = 4.88%; Deviation (10 g) = 7.11%



PCTEST

DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1073

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3900.0 MHz; cond = 3.89 S/m; perm = 49.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/21/2021; Ambient Temp: 22.3°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7551; ConvF:(5.91,5.91,5.91); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1333; Calibrated: 2020-10-16
Phantom: Twin-SAM V5.0; Serial: 1692 Right Back
Measurement SW: cDASY6 Module SAR V16.0.0.116

3900 MHz System Verification at 20 dBm (100 mW)

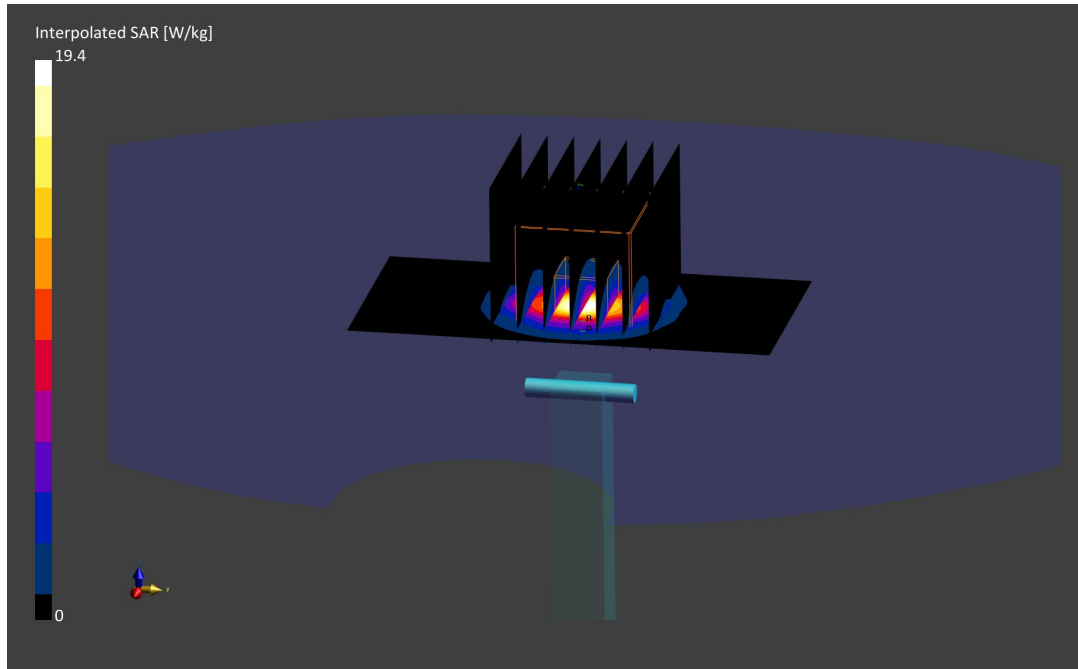
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Peak SAR (extrapolated) = 19.5 W/kg

SAR(1 g) = 6.78 W/kg; SAR(10 g) = 2.32 W/kg

Deviation (1 g) = 5.44%; Deviation (10 g) = 5.45%



PCTEST

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5250.0 MHz; cond = 5.47 S/m; perm = 49.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/01/2021; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7526; ConvF:(4.55,4.55,4.55); Calibrated: 2021-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2021-03-18
Phantom: Twin-SAM V5.0; Serial: 1758
Measurement SW: cDASY6 Module SAR V16.0.0.116

5250.0 MHz System Verification at 17.0 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) = 15.1 W/kg

SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.06 W/kg

Deviation (1 g) = 1.61%; Deviation (10 g) = 0.95%



PCTEST

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5600.0 MHz; cond = 5.98 S/m; perm = 48.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/01/2021; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7526; ConvF:(4.16,4.16,4.16); Calibrated: 2021-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2021-03-18
Phantom: Twin-SAM V5.0; Serial: 1758
Measurement SW: cDASY6 Module SAR V16.0.0.116

5600.0 MHz System Verification at 17.0 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) = 17.1 W/kg

SAR(1 g) = 3.91 W/kg; SAR(10 g) = 1.08 W/kg

Deviation (1 g) = 0.13%; Deviation (10 g) = -0.46%



PCTEST

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5750.0 MHz; cond = 6.21 S/m; perm = 48.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 09/01/2021; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7526; ConvF:(4.18,4.18,4.18); Calibrated: 2021-03-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; Calibrated: 2021-03-18
Phantom: Twin-SAM V5.0; Serial: 1758
Measurement SW: cDASY6 Module SAR V16.0.0.116

5750.0 MHz System Verification at 17.0 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) = 16.9 W/kg

SAR(1 g) = 3.75 W/kg; SAR(10 g) = 1.05 W/kg

Deviation (1 g) = 0.13%; Deviation (10 g) = 0.96%

