

APPENDIX B: SYSTEM VERIFICATION

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 = 2.87 S/m; perm = 38.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/21/2021; Ambient Temp: 22.1°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7539; ConvF:(6.76,6.76,6.76); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10
Phantom: Twin-SAM V8.0 (Right); Serial: 1966
Measurement SW: cDASY6 Module SAR V6.14.0.959

3500.0 MHz System Verification at 20.0 dBm (100 mW)

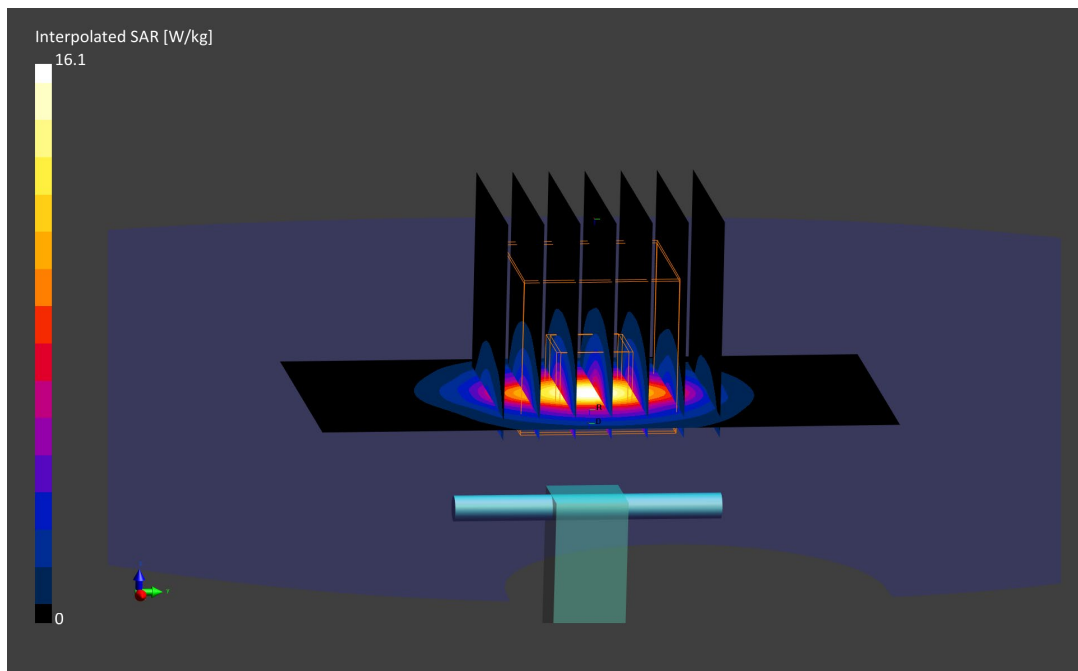
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

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

Peak SAR (extrapolated) = 16.1 W/kg

SAR(1 g) = 6.38 W/kg

Deviation (1 g) = -3.92%



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 = 3.06 S/m; perm = 38.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/21/2021; Ambient Temp: 22.1°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7539; ConvF:(6.55,6.55,6.55); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10
Phantom: Twin-SAM V8.0 (Right); Serial: 1966
Measurement SW: cDASY6 Module SAR V6.14.0.959

3700.0 MHz System Verification at 20.0 dBm (100 mW)

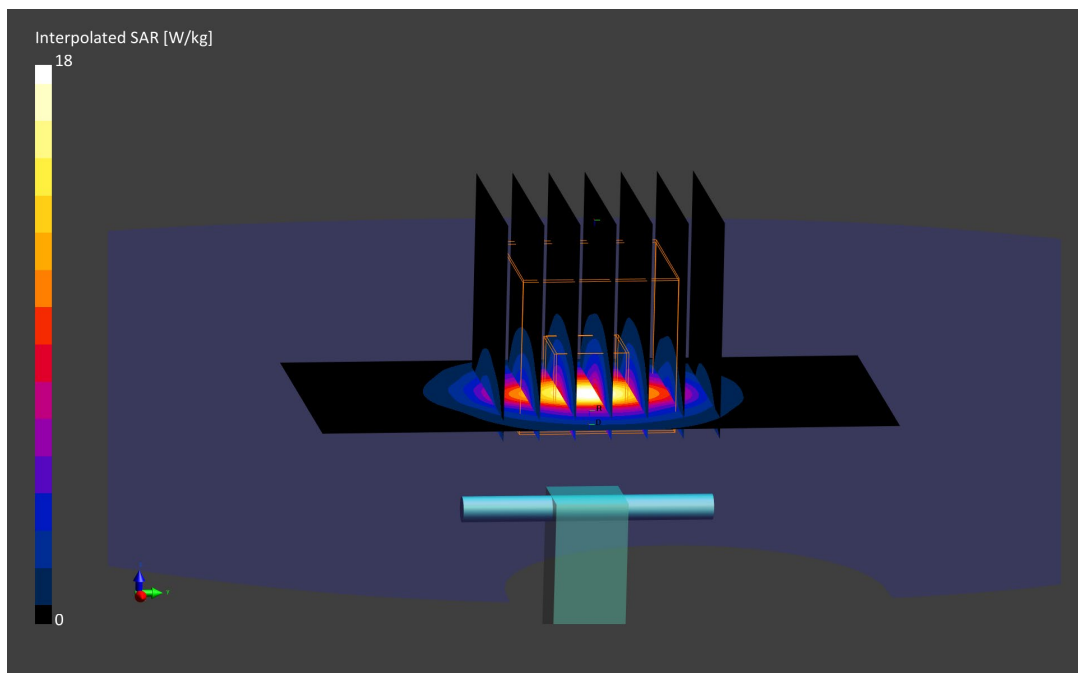
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

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

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 6.84 W/kg

Deviation (1 g) = 1.79%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1097

Communication System: UID: 0--, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3500.0 MHz; cond = 3.37 S/m; perm = 49.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/18/2021; Ambient Temp: 22.0°C; Tissue Temp: 23.0°C

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

3500.0 MHz System Verification at 20.0 dBm (100 mW)

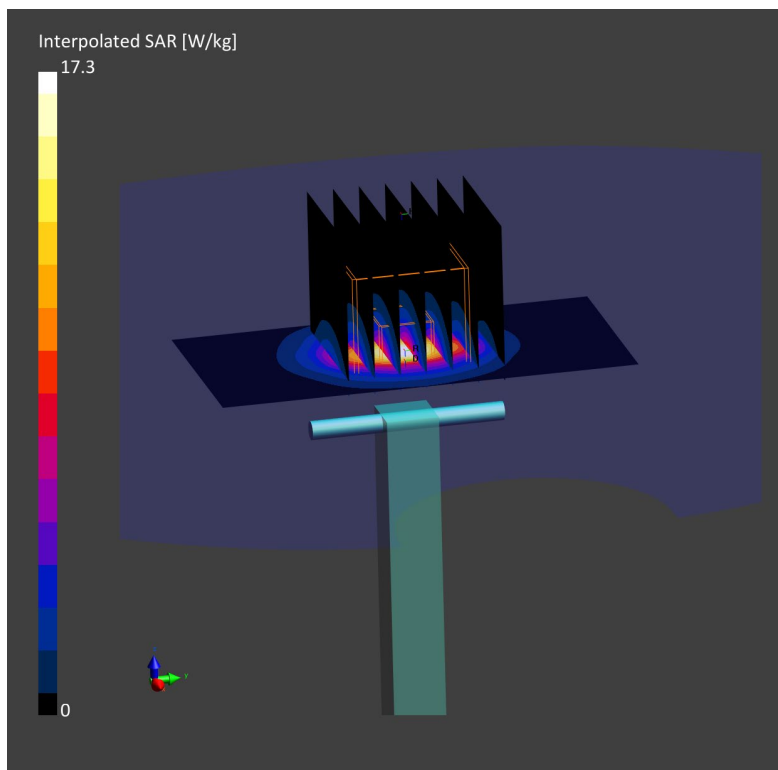
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

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

Peak SAR (extrapolated) = 17.3 W/kg

SAR(10 g) = 2.45 W/kg

Deviation (10 g) = 2.94%



PCTEST

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1097

Communication System: UID: 0--, CW; Frequency: 3500.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3500.0 MHz; cond = 3.26 S/m; perm = 50.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

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

Probe: EX3DV4 - SN7539; ConvF:(6.5,6.5,6.5); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10
Phantom: Twin-SAM V5.0 (Left); Serial: 1630
Measurement SW: cDASY6 Module SAR V6.14.0.959

3500.0 MHz System Verification at 20.0 dBm (100 mW)

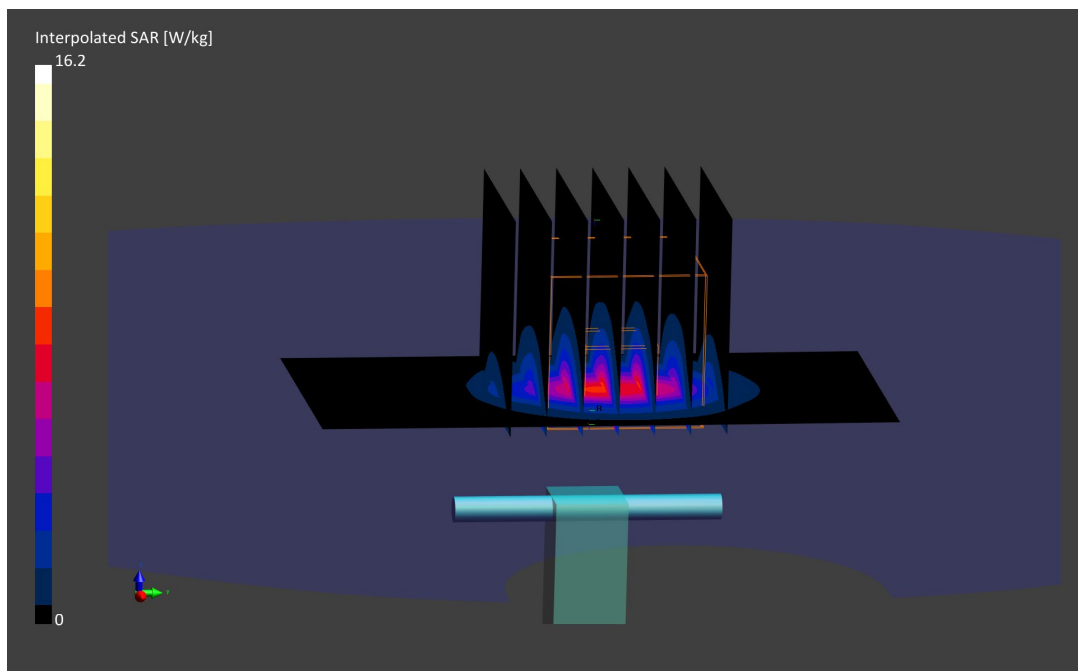
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

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

Peak SAR (extrapolated) = 16.2 W/kg

SAR(1 g) = 6.42 W/kg

Deviation (1 g) = 0.00%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0--, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3700.0 MHz; cond = 3.57 S/m; perm = 49.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/18/2021; Ambient Temp: 22.0°C; Tissue Temp: 23.0°C

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

3700.0 MHz System Verification at 20.0 dBm (100 mW)

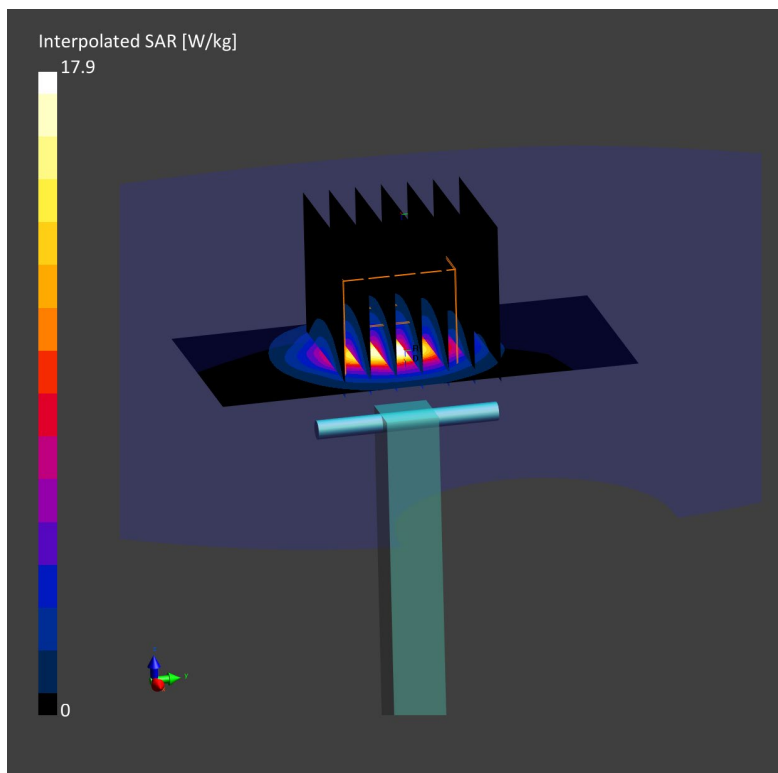
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

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

Peak SAR (extrapolated) = 17.9 W/kg

SAR(10 g) = 2.40 W/kg

Deviation (10 g) = 3.00%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0--, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3700.0 MHz; cond = 3.55 S/m; perm = 49.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/27/2021; Ambient Temp: 23.0°C; Tissue Temp: 22.5°C

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

3700.0 MHz System Verification at 20.0 dBm (100 mW)

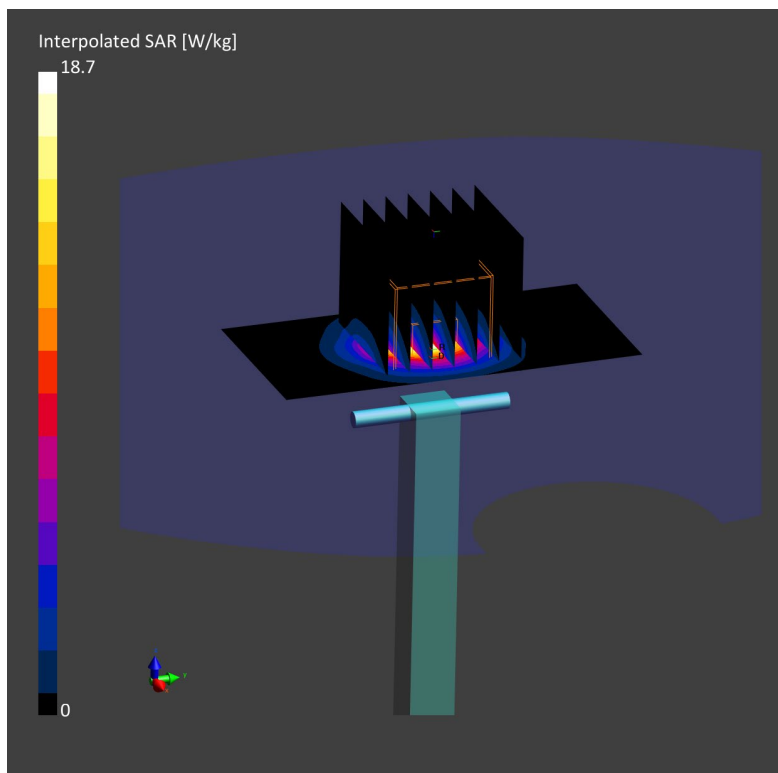
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0mm, dy=10.0mm

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

Peak SAR (extrapolated) = 18.7 W/kg

SAR(1 g) = 6.98 W/kg

Deviation (1 g) = 7.06%



PCTEST

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0--, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3700.0 MHz; cond = 3.50 S/m; perm = 50.5; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

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

Probe: EX3DV4 - SN7539; ConvF:(6.48,6.48,6.48); Calibrated: 2020-10-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; Calibrated: 2021-03-10
Phantom: Twin-SAM V5.0 (Left); Serial: 1630
Measurement SW: cDASY6 Module SAR V6.14.0.959

3700.0 MHz System Verification at 20.0 dBm (100 mW)

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

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

Peak SAR (extrapolated) = 17.3 W/kg

SAR(1 g) = 6.67 W/kg

Deviation (1 g) = 2.30%

