

APPENDIX A: VERIFICATION PLOTS

ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1097

Communication System: UID: 0, CW; Frequency: 750.000 MHz
Medium: 750 Head; Medium parameters used:
 $f = 750.000$ MHz; $\text{cond} = 0.884$ S/m; $\text{perm} = 41.6$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 8/14/2024 ; Ambient Temp: 23.7°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7782; ConvF:(9.26,9.26,9.26); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; 2023-09-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.4.2524

750.0 MHz System Verification at 23.0 dBm (200 mW)

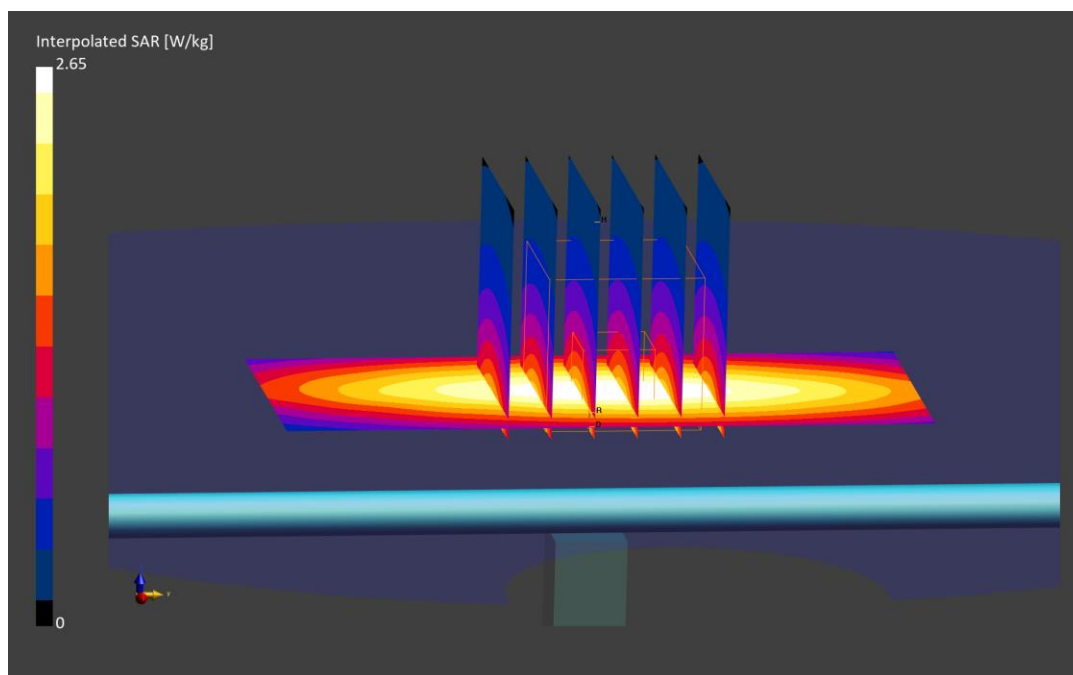
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.65 W/kg

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

Deviation (1 g) = 3.39%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1057

Communication System: UID: 0, CW; Frequency: 750.000 MHz
Medium: 750 Head; Medium parameters used:
f = 750.000 MHz; cond = 0.886 S/m; perm = 40.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 08/29/2024; Ambient Temp: 22.6°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7357; ConvF:(9.44,8.27,10.55); 2024-04-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1582; 2024-04-09
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.2.4.2524

750.0 MHz System Verification at 23.0 dBm (200 mW)

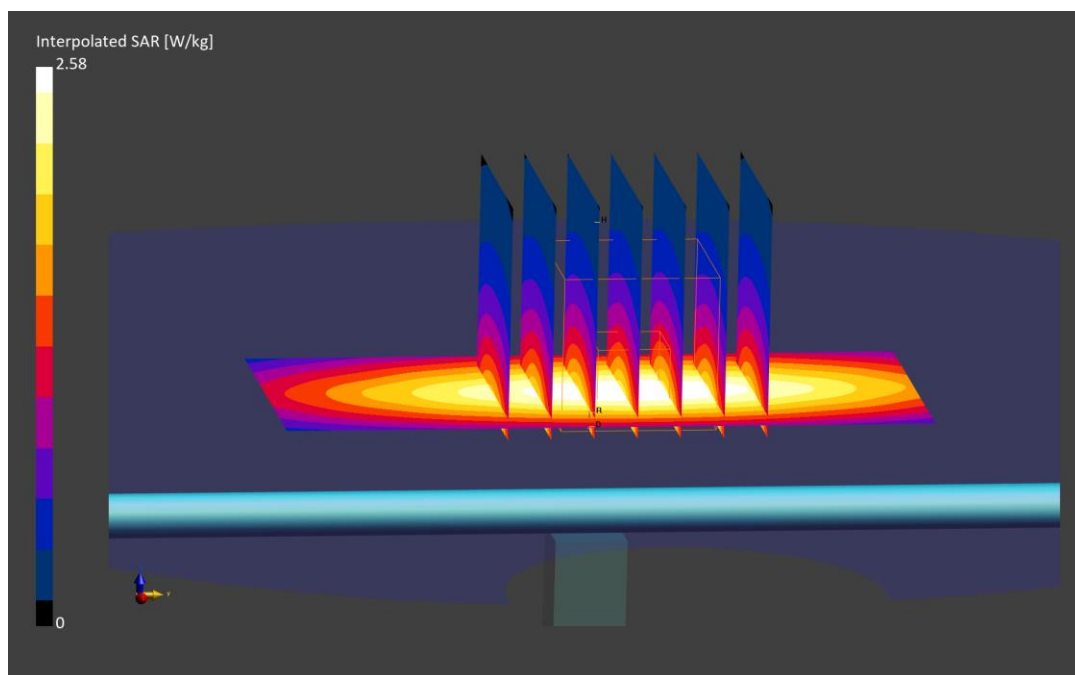
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 2.58 W/kg

SAR(1 g) = 1.77 W/kg; SAR(10 g) = 1.17 W/kg

Deviation (1 g) = 4.00%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d108

Communication System: UID: 0, CW; Frequency: 835.000 MHz

Medium: 835 Head; Medium parameters used:

$f = 835.000$ MHz; $\text{cond} = 0.880$ S/m; $\text{perm} = 40.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 07/30/2024; Ambient Temp: 22.1°C; Tissue Temp: 23.3°C

Probe: EX3DV4 - SN7782; ConvF:(8.99,8.99,8.99); 2023-09-12

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

Electronics: DAE4 Sn1646; 2023-09-08

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

Measurement SW: DASY Module SAR V16.2.4.2524

835.0 MHz System Verification at 23.0 dBm (200 mW)

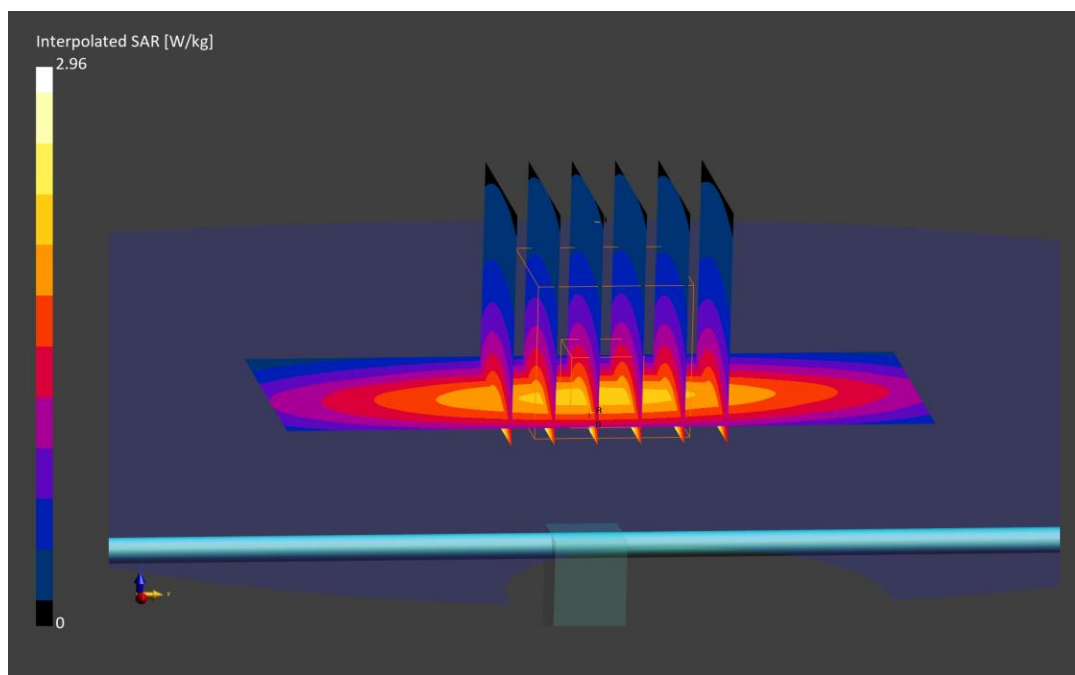
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.96 W/kg

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

Deviation (1 g) = -6.12%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1104

Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: 1750 Head; Medium parameters used:
 $f = 1750.000$ MHz; $\text{cond} = 1.40$ S/m; $\text{perm} = 38.6$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/21/2024; Ambient Temp: 23.0°C; Tissue Temp: 22.4°C

Probe: EX3DV4 - SN7782; ConvF:(7.93,7.93,7.93); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; 2023-09-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.4.2524

1750.0 MHz System Verification at 20.0 dBm (100 mW)

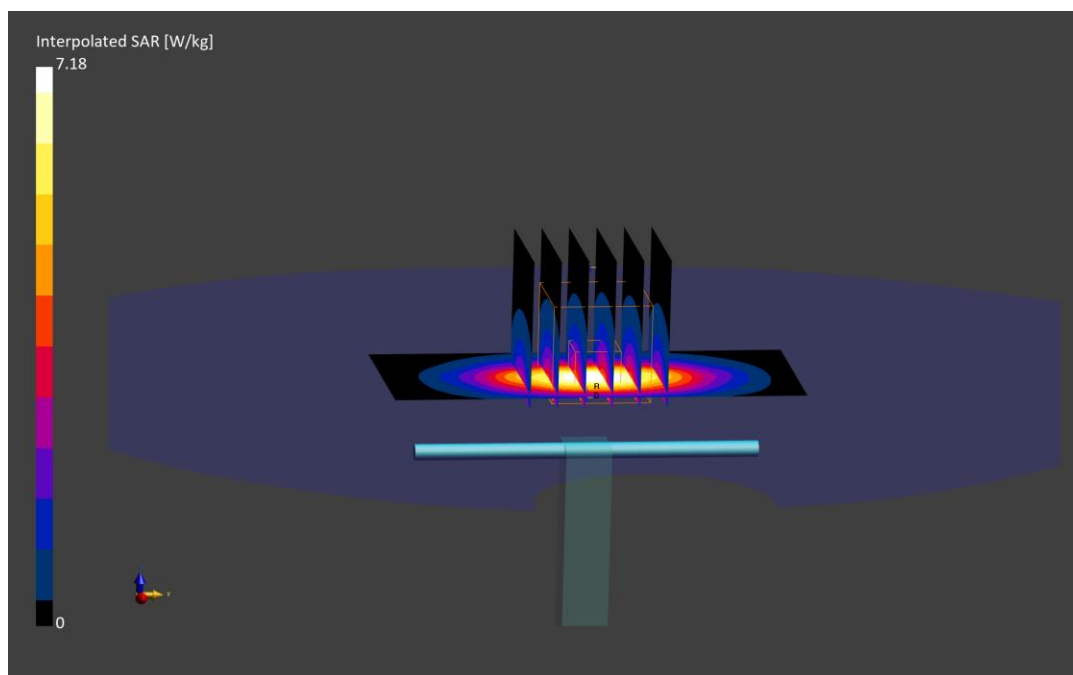
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 7.18 W/kg

SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.90 W/kg

Deviation (1 g) = 1.69%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1055

Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3500.000$ MHz; $\text{cond} = 2.84$ S/m; $\text{perm} = 36.9$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/29/2024; Ambient Temp: 21.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7639; ConvF:(7.61,7.61,7.61); 2023-11-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; 2023-11-14
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.2.4.2524

3500.0 MHz System Verification at 20.0 dBm (100 mW)

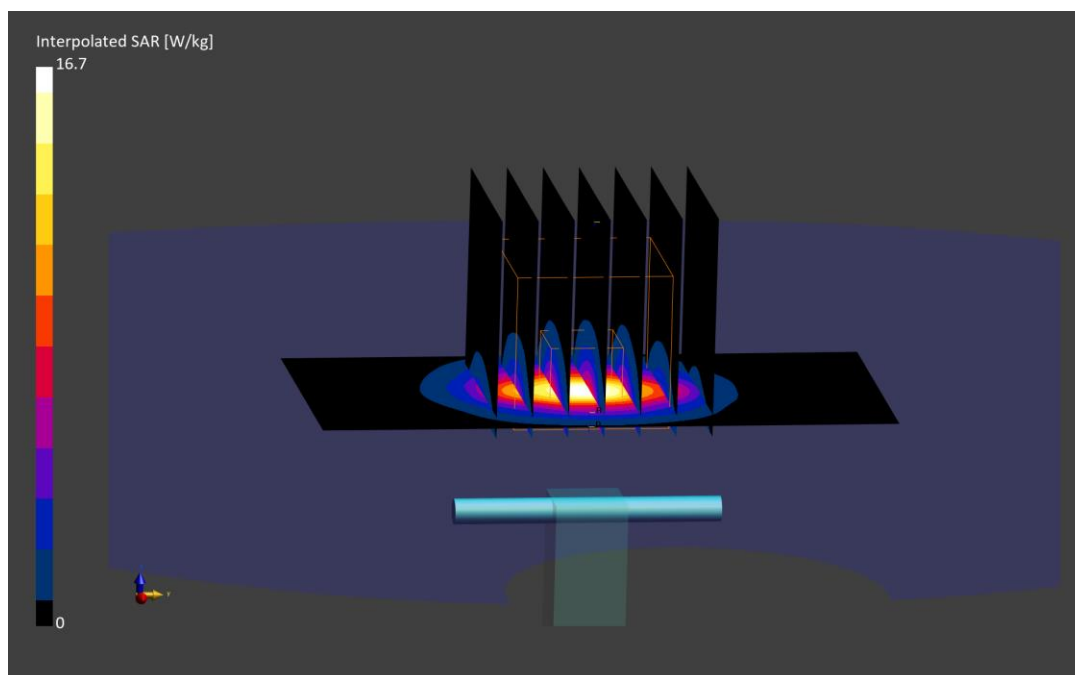
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 6.33 W/kg; SAR(10 g) = 2.40 W/kg

Deviation (1 g) = -4.09%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1126

Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3500.000$ MHz; $\text{cond} = 2.78$ S/m; $\text{perm} = 38.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 08/24/2024; Ambient Temp: 21.5°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7357; ConvF:(7.28,6.37,7.82); 2024-04-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1582; 2024-04-09
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.2.4.2524

3500.0 MHz System Verification at 20.0 dBm (100 mW)

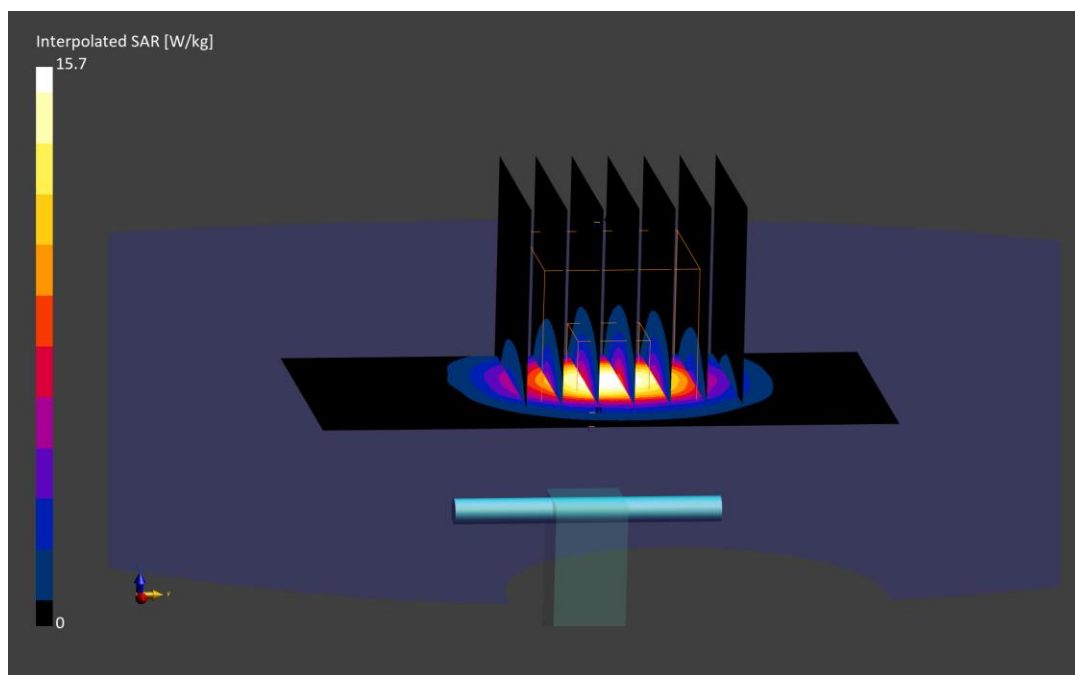
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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

Peak SAR (extrapolated) = 15.7 W/kg

SAR(1 g) = 6.45 W/kg; SAR(10 g) = 2.50 W/kg

Deviation (1 g) = -2.57%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1002

Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3700.000$ MHz; $\text{cond} = 3.00$ S/m; $\text{perm} = 36.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/29/2024; Ambient Temp: 21.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7639; ConvF:(7.47,7.47,7.47); 2023-11-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; 2023-11-14
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.2.4.2524

3700.0 MHz System Verification at 20.0 dBm (100 mW)

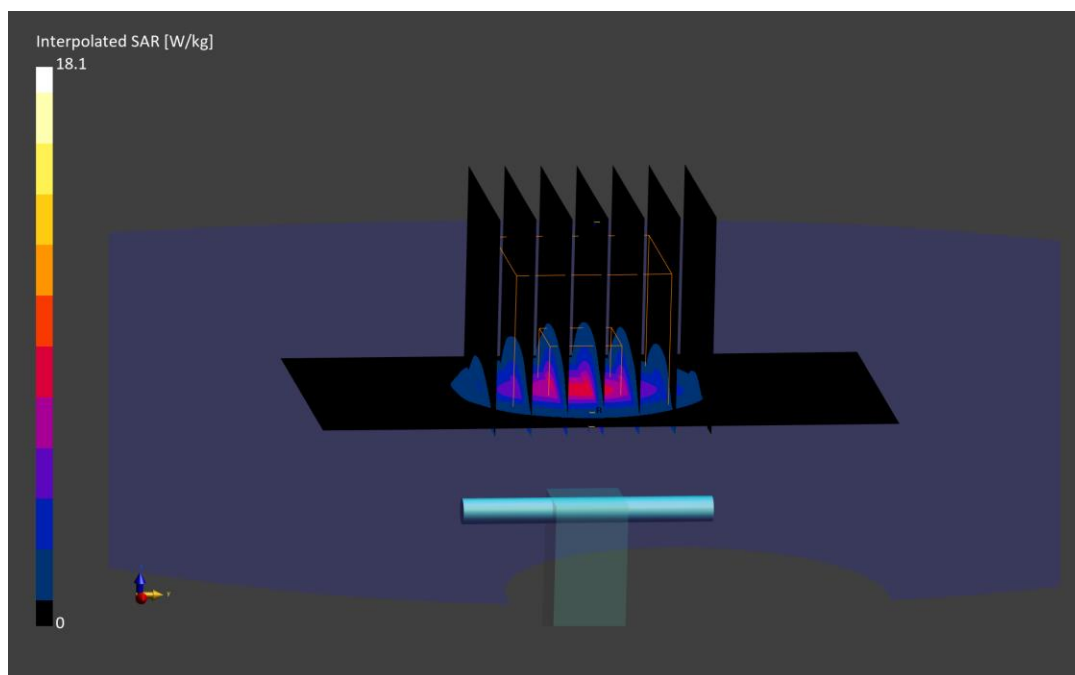
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 18.1 W/kg

SAR(1 g) = 6.56 W/kg; SAR(10 g) = 2.42 W/kg

Deviation (1 g) = -3.39%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1002

Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3700.000$ MHz; $\text{cond} = 3.03$ S/m; $\text{perm} = 37.3$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 8/8/2024; Ambient Temp: 23.3°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7782; ConvF:(6.18,6.18,6.18); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; 2023-09-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.4.2524

3700.0 MHz System Verification at 20.0 dBm (100 mW)

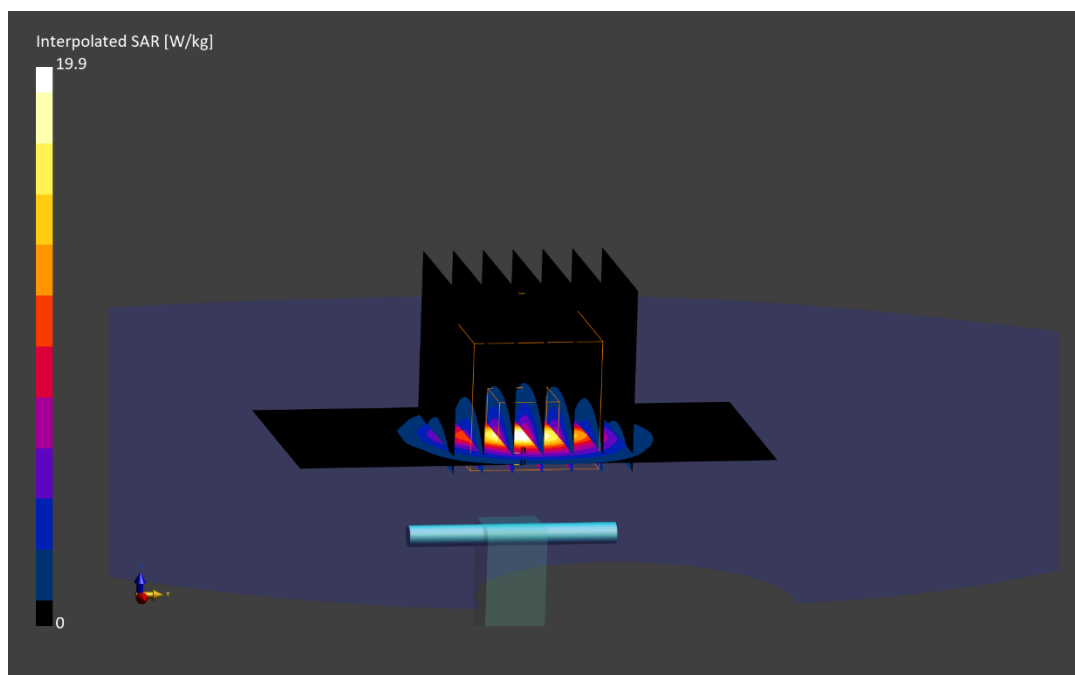
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 6.99 W/kg; SAR(10 g) = 2.56 W/kg

Deviation (1 g) = 2.95%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1097

Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3700.000$ MHz; $\text{cond} = 2.96$ S/m; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 08/24/2024; Ambient Temp: 21.5°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7357; ConvF:(7.21,6.3,7.75); 2024-04-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1582; 2024-04-09
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.2.4.2524

3700.0 MHz System Verification at 20.0 dBm (100 mW)

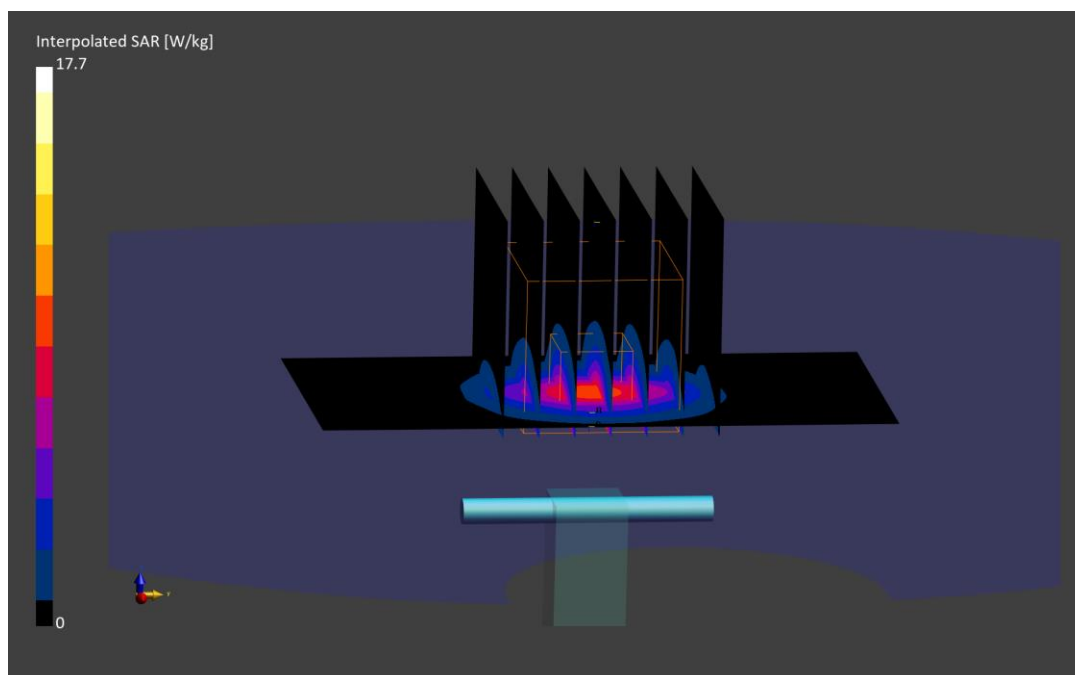
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 17.7 W/kg

SAR(1 g) = 6.95 W/kg; SAR(10 g) = 2.64 W/kg

Deviation (1 g) = 2.36%



ELEMENT

DUT: Dipole 3900.000 MHz; Type: D3900V2 - SN1062

Communication System: UID: 0, CW; Frequency: 3900.000 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3900.000$ MHz; $\text{cond} = 3.21$ S/m; $\text{perm} = 37.0$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 8/8/2024; Ambient Temp: 23.3°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7782; ConvF:(5.65,5.65,5.65); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; 2023-09-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.4.2524

3900.0 MHz System Verification at 20.0 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) = 7.04 W/kg; SAR(10 g) = 2.48 W/kg

Deviation (1 g) = 2.18%

