

APPENDIX A: VERIFICATION PLOTS

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; $\text{cond} = 0.867$ S/m; $\text{perm} = 40.6$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 12/20/2024; Ambient Temp: 21.4°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7682; ConvF:(9.94,9.61,10.53); 2024-05-13
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1683; 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 1917
Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

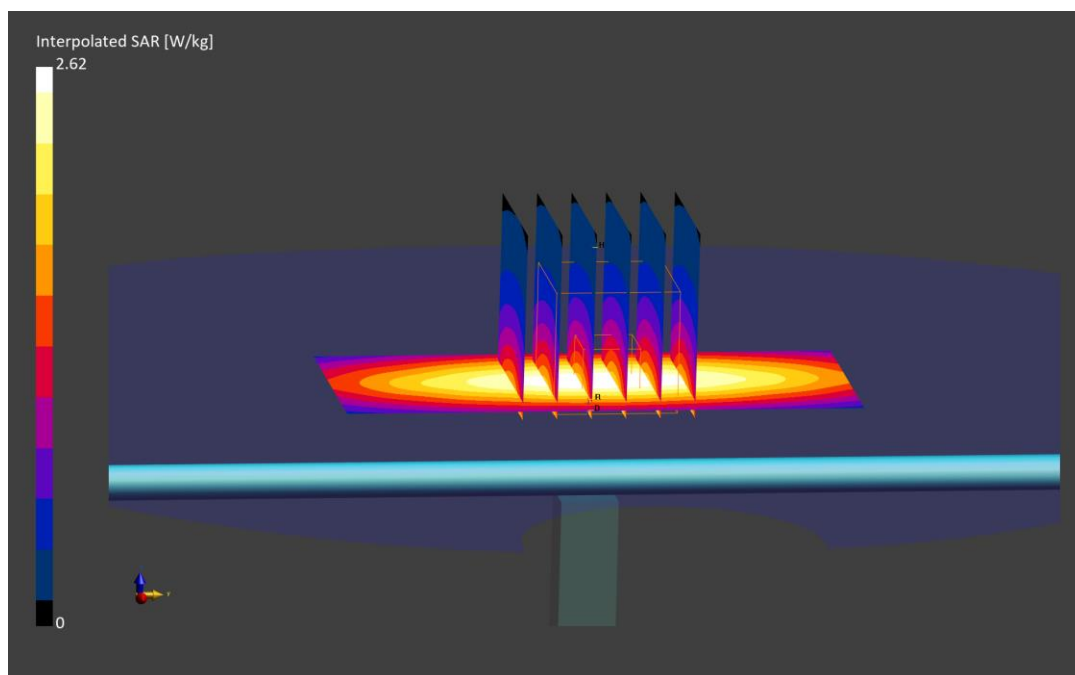
Area Scan (40.0 x 90.0): Measurement grid: $\text{dx}=10.0$ mm, $\text{dy}=15.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $\text{dx}=6.0$ mm, $\text{dy}=6.0$ mm, $\text{dz}=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 1.68 W/kg

Deviation (1 g) = -1.29%



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; $\text{cond} = 0.919$ S/m; $\text{perm} = 43.9$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 12/26/2024; Ambient Temp: 22.0°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7668; ConvF:(8.79,9.18,8.81); 2024-09-04
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; 2024-08-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

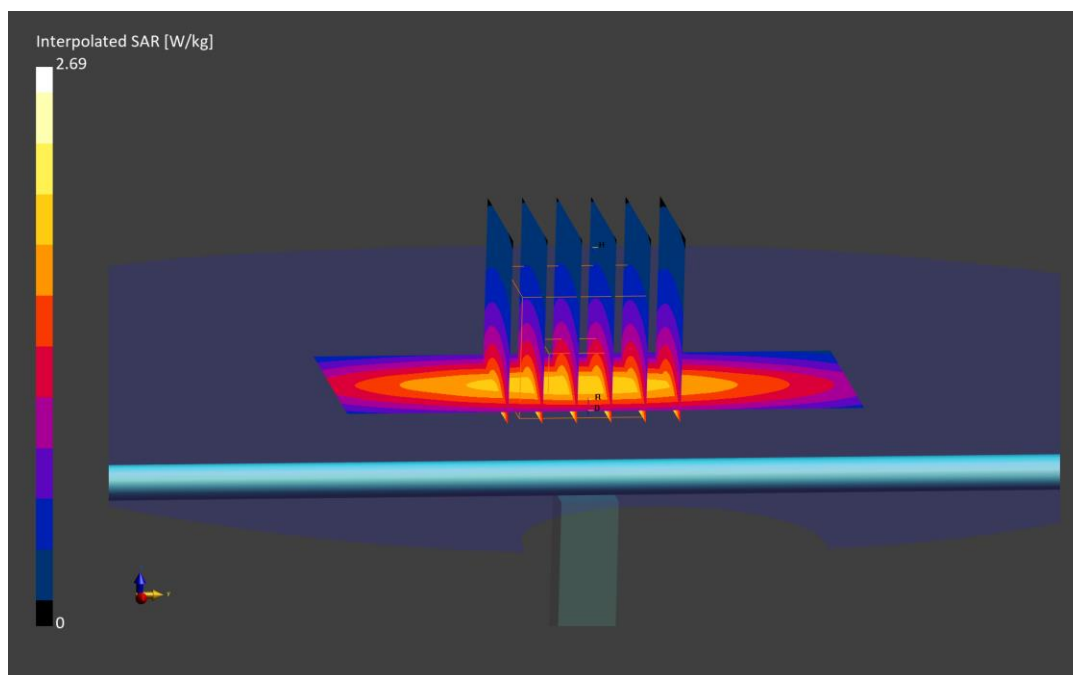
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=6.0$ mm, $dy=6.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 2.69 W/kg

SAR(1 g) = 1.73 W/kg

Deviation (1 g) = 4.59%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d040

Communication System: UID: 0, CW; Frequency: 835.000 MHz
Medium: 835 Head; Medium parameters used:
 $f = 835.000$ MHz; $\text{cond} = 0.913$ S/m; $\text{perm} = 43.0$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 01/02/2025; Ambient Temp: 22.2°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7668; ConvF:(8.53,8.9,8.54); 2024-09-04
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; 2024-08-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.4.0.5005

835.0 MHz System Verification at 23.0 dBm (200 mW)

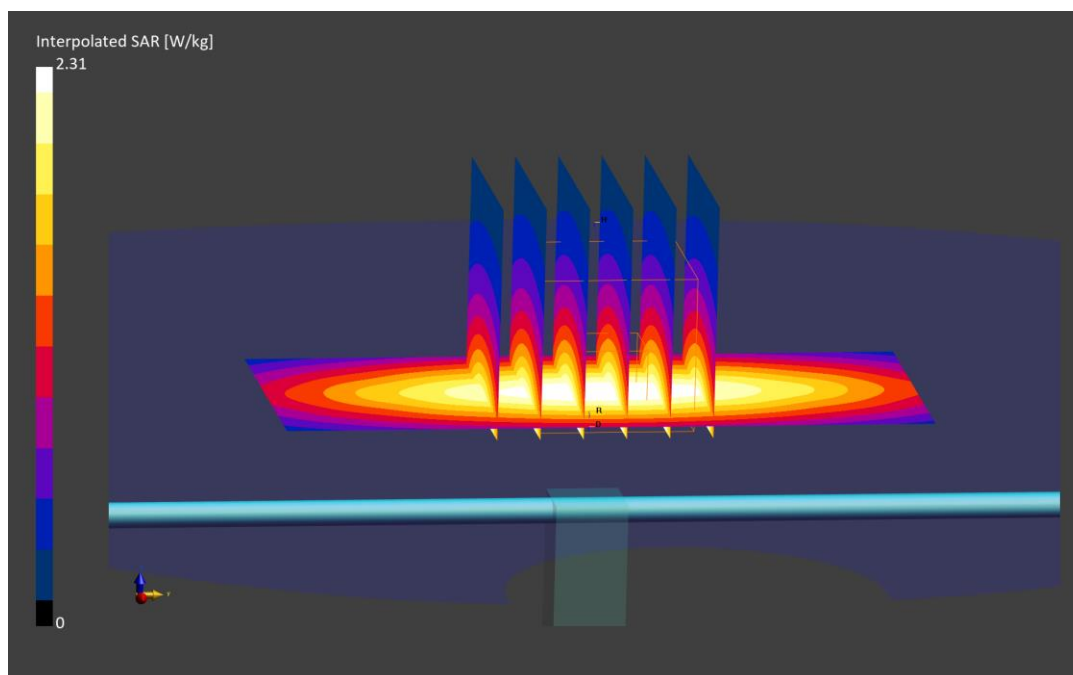
Area Scan (40.0 x 90.0): Measurement grid: $\text{dx}=10.0$ mm, $\text{dy}=15.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $\text{dx}=6.0$ mm, $\text{dy}=6.0$ mm, $\text{dz}=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 3.11 W/kg

SAR(1 g) = 1.99 W/kg

Deviation (1 g) = 3.75%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d131

Communication System: UID: 0, CW; Frequency: 1900.000 MHz
Medium: 1900 Head; Medium parameters used:
 $f = 1900.000$ MHz; $\text{cond} = 1.44$ S/m; $\text{perm} = 41.0$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 01/02/2025; Ambient Temp: 22.2°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7668; ConvF:(7.27,7.6,7.29); 2024-09-04
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; 2024-08-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.4.0.5005

1900.0 MHz System Verification at 20.0 dBm (100 mW)

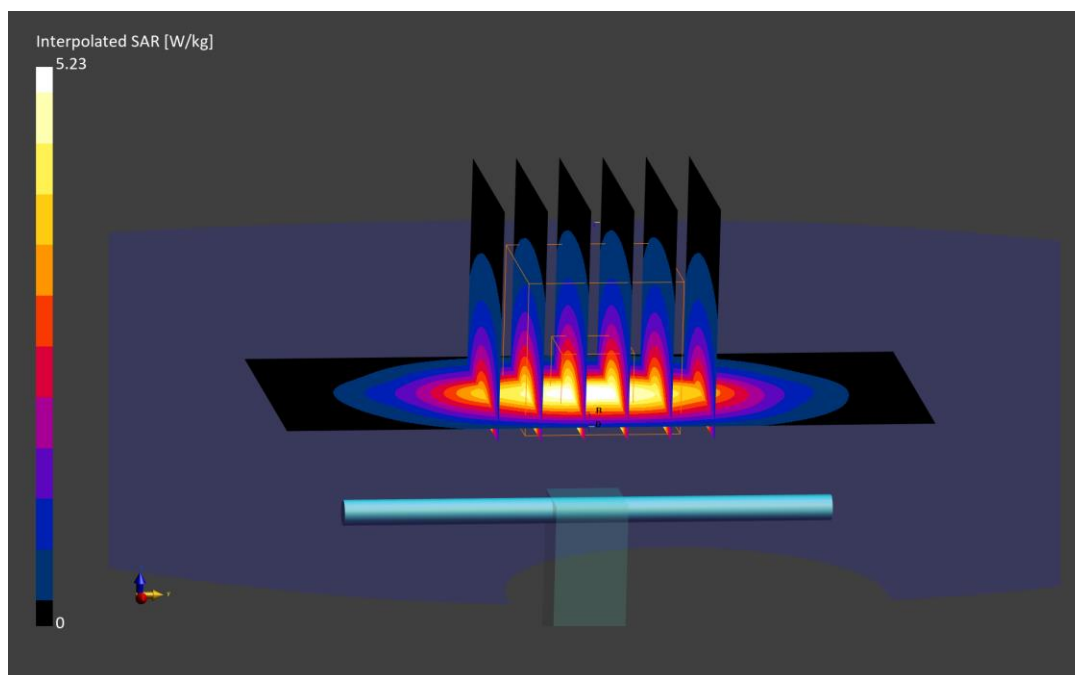
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=6.0$ mm, $dy=6.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 7.80 W/kg

SAR(1 g) = 4.16 W/kg

Deviation (1 g) = 4.52%



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; $\text{cond} = 2.81$ S/m; $\text{perm} = 38.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 12/31/2024; Ambient Temp: 20.6°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7668; ConvF:(6.14,6.41,6.15); 2024-09-04
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; 2024-08-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.4.0.5005

3500.0 MHz System Verification at 20.0 dBm (100 mW)

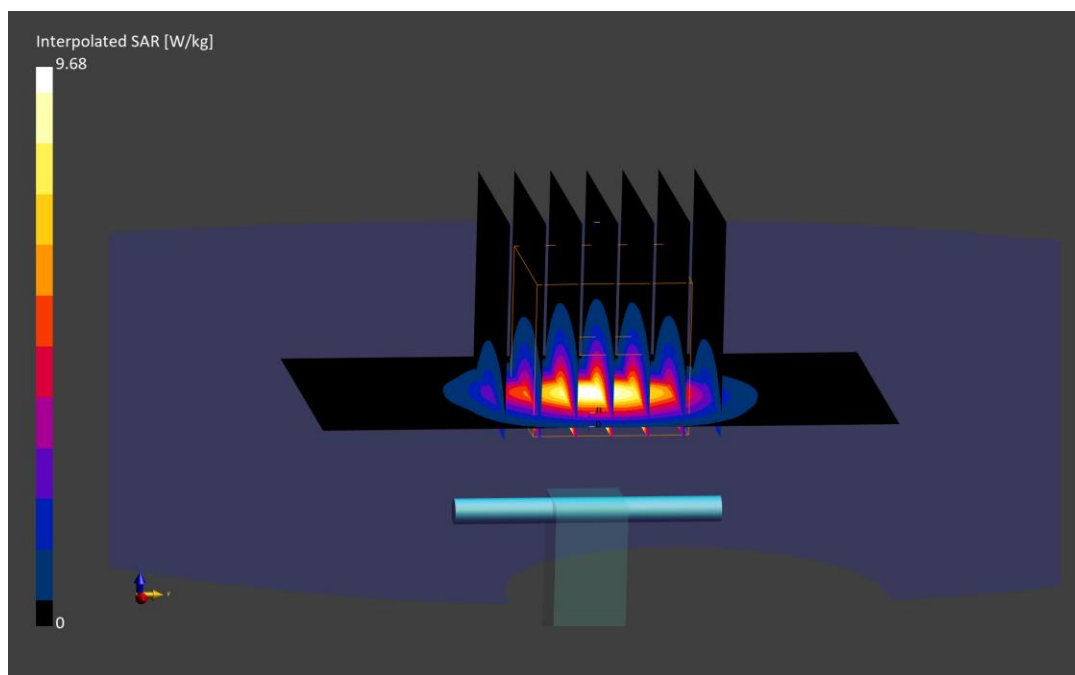
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 29.1): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 6.83 W/kg

Deviation (1 g) = 3.17%



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; cond = 3.00 S/m; perm = 37.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 12/23/2024; Ambient Temp: 23.6°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7668; ConvF:(6.06,6.33,6.07); 2024-09-04
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; 2024-08-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

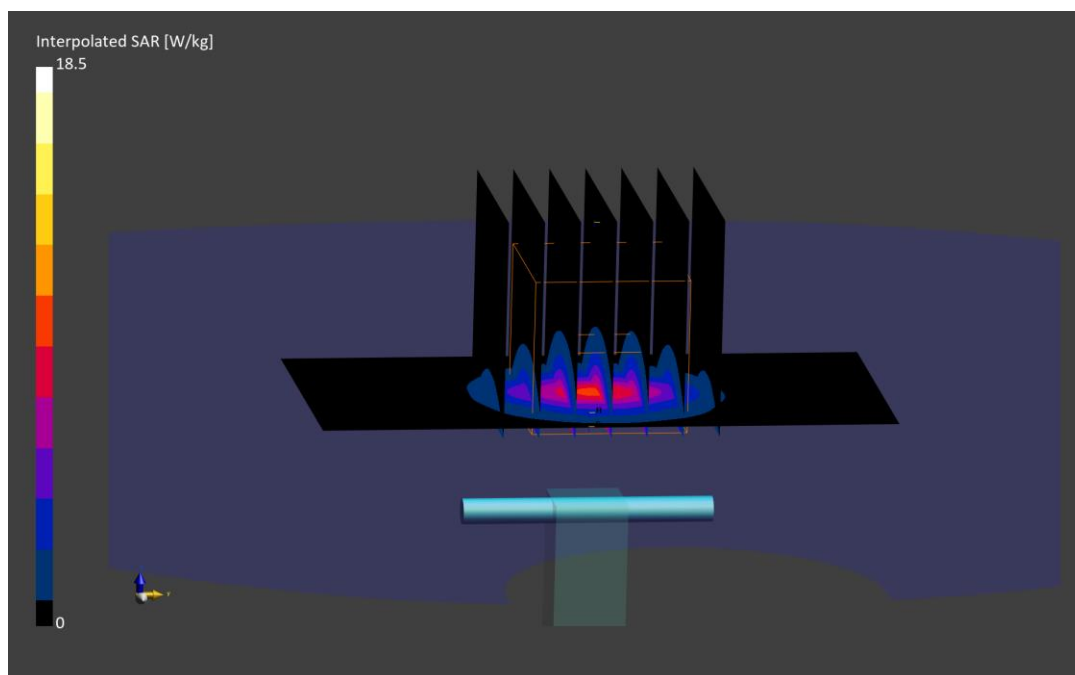
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (30.0 x 30.0 x 29.1): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 18.5 W/kg

SAR(1 g) = 6.79 W/kg

Deviation (1 g) = 0.00%



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; $\text{cond} = 3.01$ S/m; $\text{perm} = 37.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 12/31/2024; Ambient Temp: 20.6°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7668; ConvF:(6.06,6.33,6.07); 2024-09-04
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; 2024-08-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

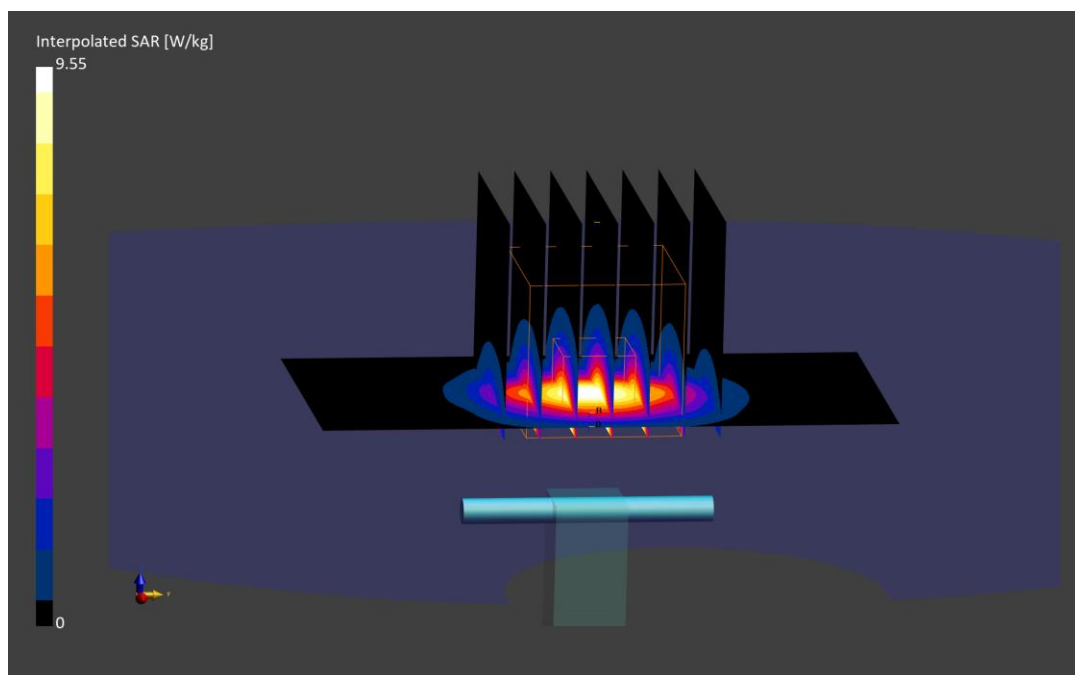
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 29.1): 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) = 6.89 W/kg

Deviation (1 g) = 1.47%



ELEMENT

DUT: Dipole 3900.000 MHz; Type: D3900V2 - SN1056

Communication System: UID: 0, CW; Frequency: 3900.000 MHz
Medium: 3600 Head; Medium parameters used:
 $f = 3900.000$ MHz; $\text{cond} = 3.18$ S/m; $\text{perm} = 36.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 12/23/2024; Ambient Temp: 23.6°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7668; ConvF:(5.96,6.23,5.97); 2024-09-04
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; 2024-08-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.4.0.5005

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 (30.0 x 30.0 x 29.1): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 21.2 W/kg

SAR(1 g) = 7.34 W/kg

Deviation (1 g) = 7.62%

