

APPENDIX B: SYSTEM VERIFICATION

ELEMENT

DUT: Dipole 13.000 MHz; Type: CLA-13 - SN1004

Communication System: UID: 0, CW; Frequency: 13.000 MHz
Medium: 30 Head; Medium parameters used:
 $f = 13.000$ MHz; $\text{cond} = 0.766$ S/m; $\text{perm} = 53.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 0 mm

Test Date: 07/17/2025; Ambient Temp: 21.3°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN3746; ConvF:(15.27,15.58,17.13); Calibrated: 2024-10-15
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1237; Calibrated: 2024-10-10
Phantom: ELI V6.0; Serial: 2003
Measurement SW: DASY Module SAR V16.4.0.5005

13.0 MHz System Verification at 30.0 dBm (1000 mW)

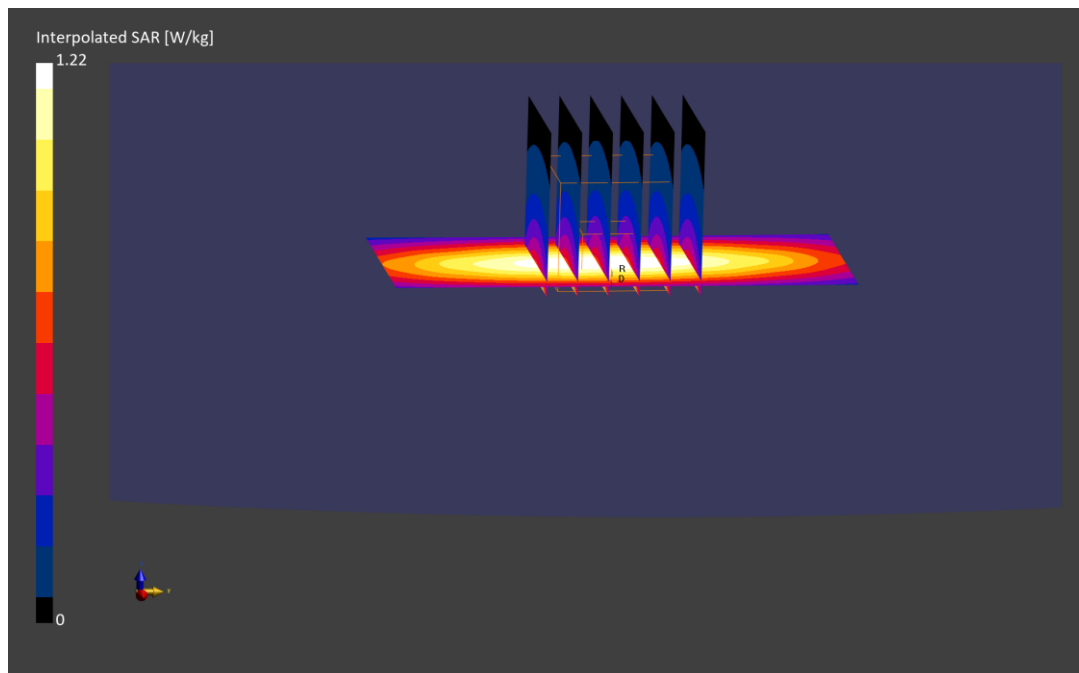
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 1.22 W/kg

SAR(1 g) = 0.597 W/kg; SAR(10 g) = 0.366 W/kg

Deviation (1 g) = 3.83%; Deviation (10 g) = 3.10%



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; $\text{cond} = 0.878$ S/m; $\text{perm} = 41.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 05/17/2025; Ambient Temp: 22.4°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7357; ConvF:(9.41,8.38,9.96); Calibrated: 2025-04-11

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

Electronics: DAE4 Sn1582; Calibrated: 2025-04-10

Phantom: Twin-SAM V8.0; Serial: 1736

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

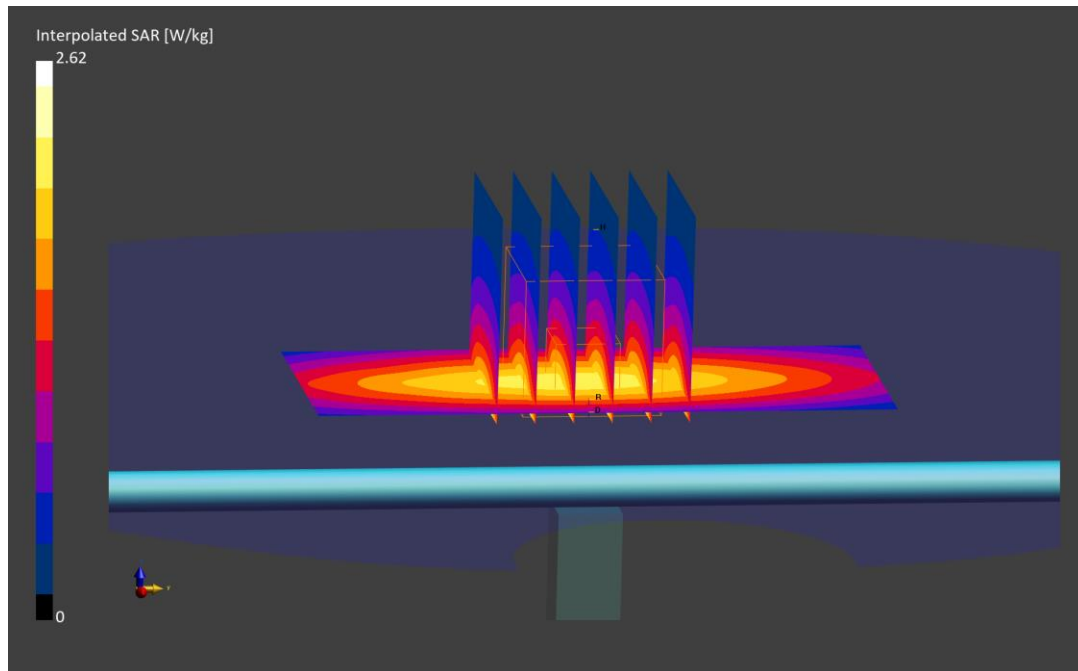
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.62 W/kg

SAR(1 g) = 1.80 W/kg; SAR(10 g) = 1.20 W/kg

Deviation (1 g) = 2.27%; Deviation (10 g) = 4.71%



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; $\text{cond} = 0.887$ S/m; $\text{perm} = 42.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 05/22/2025; Ambient Temp: 23.1°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7357; ConvF:(9.41,8.38,9.96); Calibrated: 2025-04-11

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

Electronics: DAE4 Sn1582; Calibrated: 2025-04-10

Phantom: Twin-SAM V8.0; Serial: 1736

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

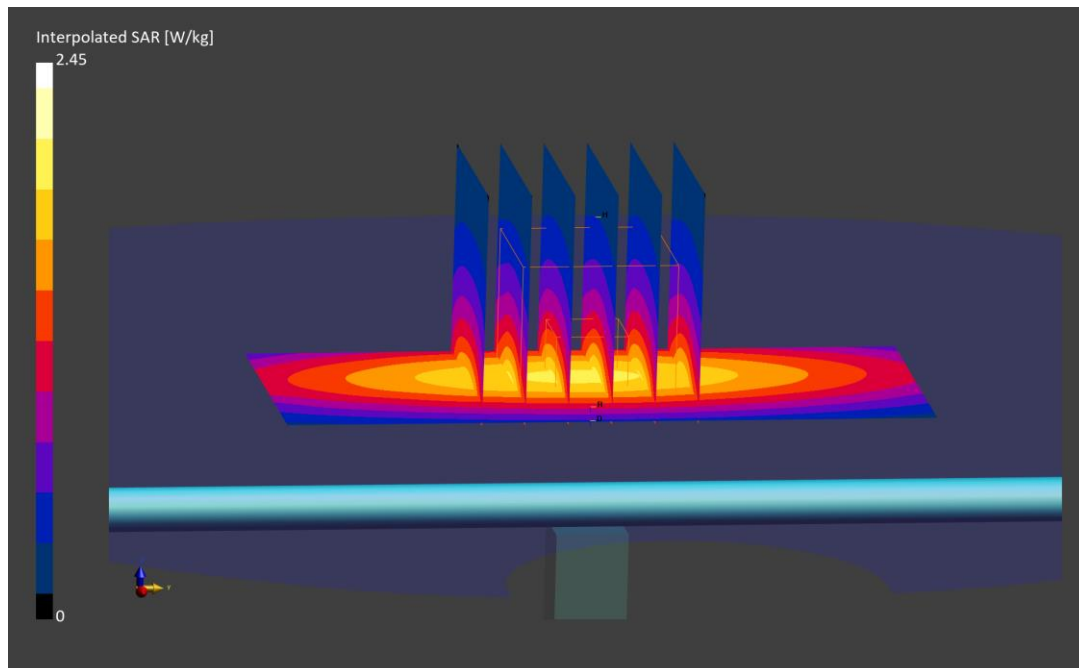
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.45 W/kg

SAR(1 g) = 1.68 W/kg; SAR(10 g) = 1.12 W/kg

Deviation (1 g) = 1.57%; Deviation (10 g) = 4.09%



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; $\text{cond} = 0.880$ S/m; $\text{perm} = 40.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 5/25/2025; Ambient Temp: 22.0°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7357; ConvF:(9.41,8.38,9.96); Calibrated: 2025-04-11

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

Electronics: DAE4 Sn1582; Calibrated: 2025-04-10

Phantom: Twin-SAM V8.0; Serial: 1736

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

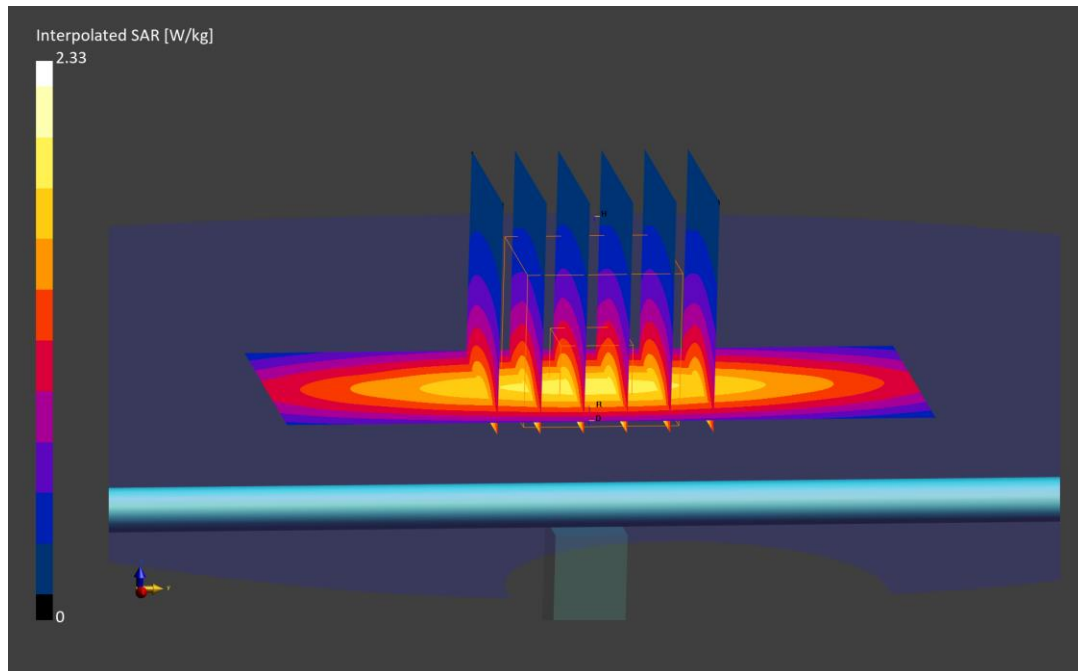
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.33 W/kg

SAR(1 g) = 1.58 W/kg; SAR(10 g) = 1.05 W/kg

Deviation (1 g) = -4.47%; Deviation (10 g) = -2.42%



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; $\text{cond} = 0.889$ S/m; $\text{perm} = 41.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 05/30/2025; Ambient Temp: 21.8°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7357; ConvF:(9.41,8.38,9.96); Calibrated: 2025-04-11

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

Electronics: DAE4 Sn1582; Calibrated: 2025-04-10

Phantom: Twin-SAM V8.0; Serial: 1736

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

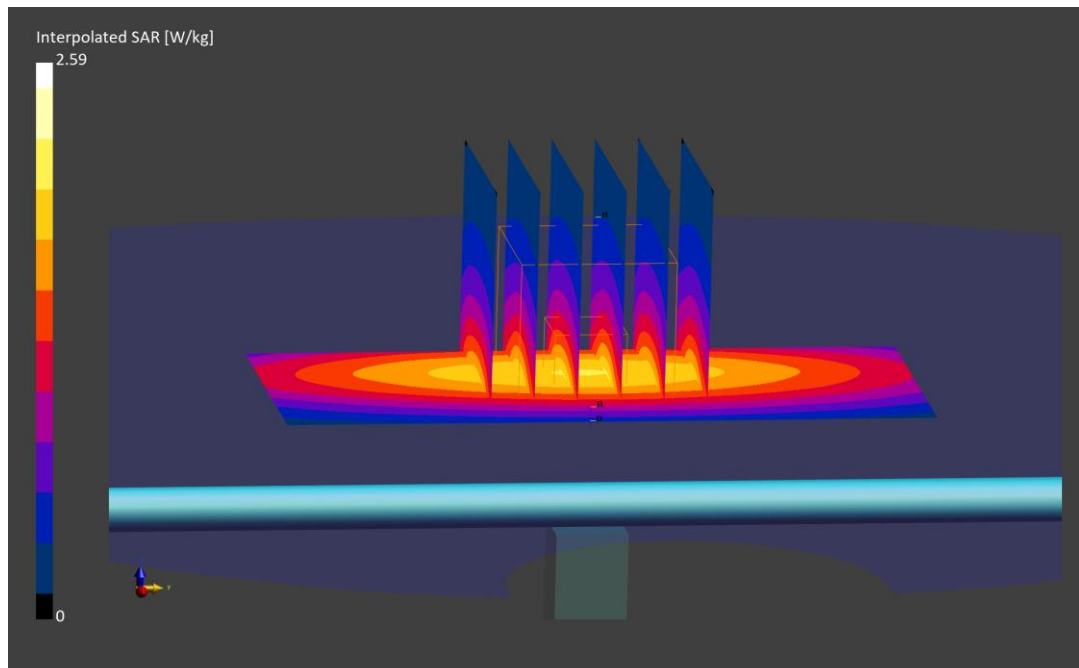
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.59 W/kg

SAR(1 g) = 1.73 W/kg; SAR(10 g) = 1.15 W/kg

Deviation (1 g) = 4.59%; Deviation (10 g) = 6.88%



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; $\text{cond} = 0.880$ S/m; $\text{perm} = 40.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/03/2025; Ambient Temp: 21.6°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7357; ConvF:(9.41,8.38,9.96); Calibrated: 2025-04-11

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

Electronics: DAE4 Sn1582; Calibrated: 2025-04-10

Phantom: Twin-SAM V8.0; Serial: 1736

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

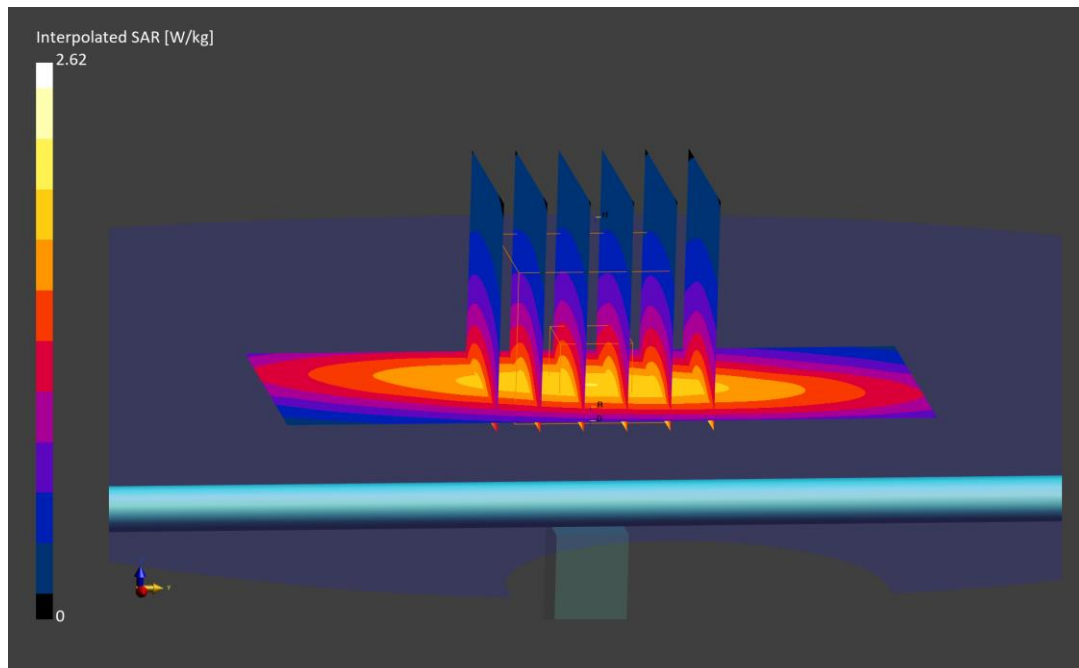
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.61 W/kg

SAR(1 g) = 1.70 W/kg; SAR(10 g) = 1.13 W/kg

Deviation (1 g) = -3.41%; Deviation (10 g) = -1.40%



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; $\text{cond} = 0.886$ S/m; $\text{perm} = 41.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/19/2025; Ambient Temp: 22.6°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7357; ConvF:(9.41,8.38,9.96); Calibrated: 2025-04-11

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

Electronics: DAE4 Sn1582; Calibrated: 2025-04-10

Phantom: Twin-SAM V8.0; Serial: 1736

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

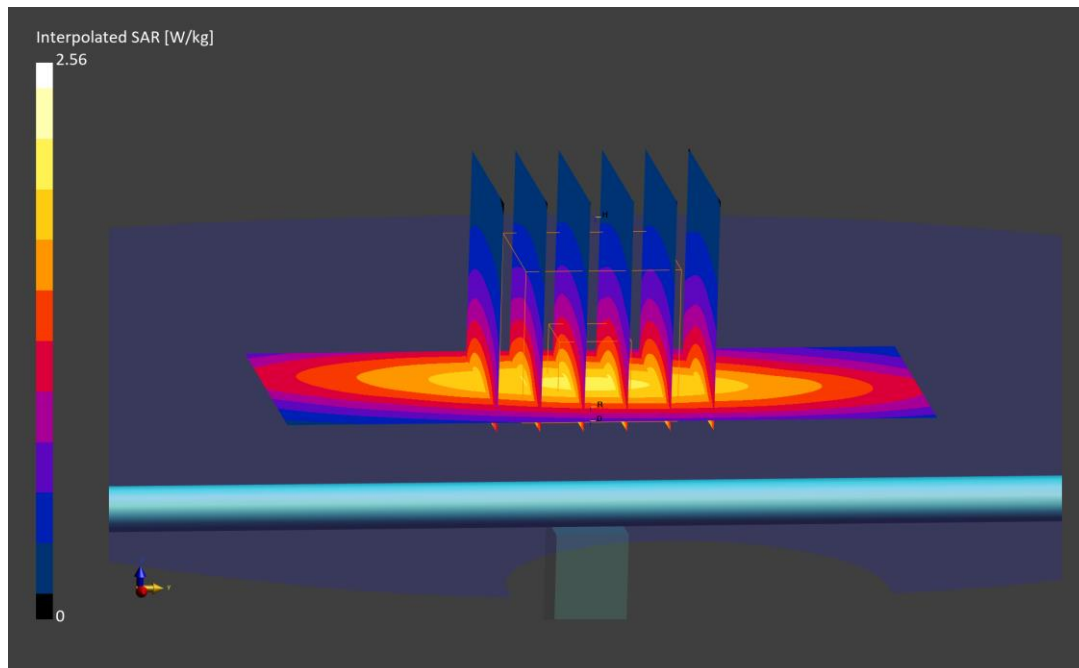
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.56 W/kg

SAR(1 g) = 1.74 W/kg; SAR(10 g) = 1.15 W/kg

Deviation (1 g) = -1.14%; Deviation (10 g) = 0.35%



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; $\text{cond} = 0.874$ S/m; $\text{perm} = 42.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 7/20/2025; Ambient Temp: 21.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7682; ConvF:(10.33,10.33,10.64); Calibrated: 2025-05-14

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

Electronics: DAE4 Sn1683; Calibrated: 2025-05-13

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

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

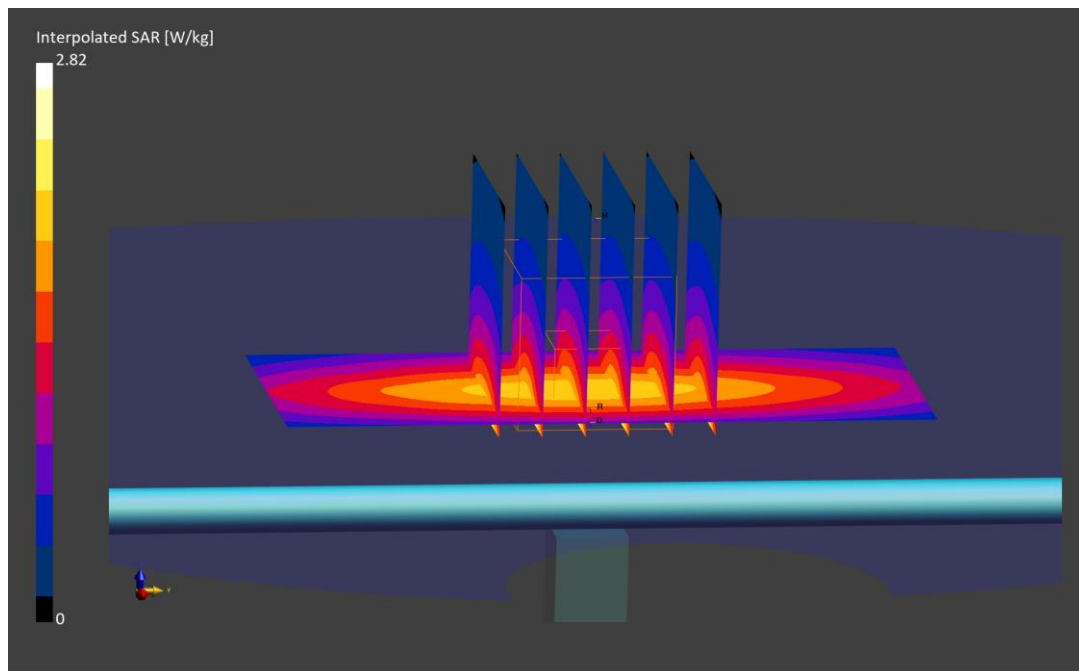
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.82 W/kg

SAR(1 g) = 1.78 W/kg; SAR(10 g) = 1.18 W/kg

Deviation (1 g) = 1.14%; Deviation (10 g) = 2.97%



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; $\text{cond} = 0.896$ S/m; $\text{perm} = 41.1$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 05/21/2025; Ambient Temp: 21.2°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7427; ConvF:(8.46,9.11,9.12); Calibrated: 2025-02-10

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

Electronics: DAE4 Sn1408; Calibrated: 2024-10-10

Phantom: Twin-SAM V8.0; Serial: 1935

Measurement SW: DASY Module SAR V16.4.0.5005

835.0 MHz System Verification at 23.0 dBm (200 mW)

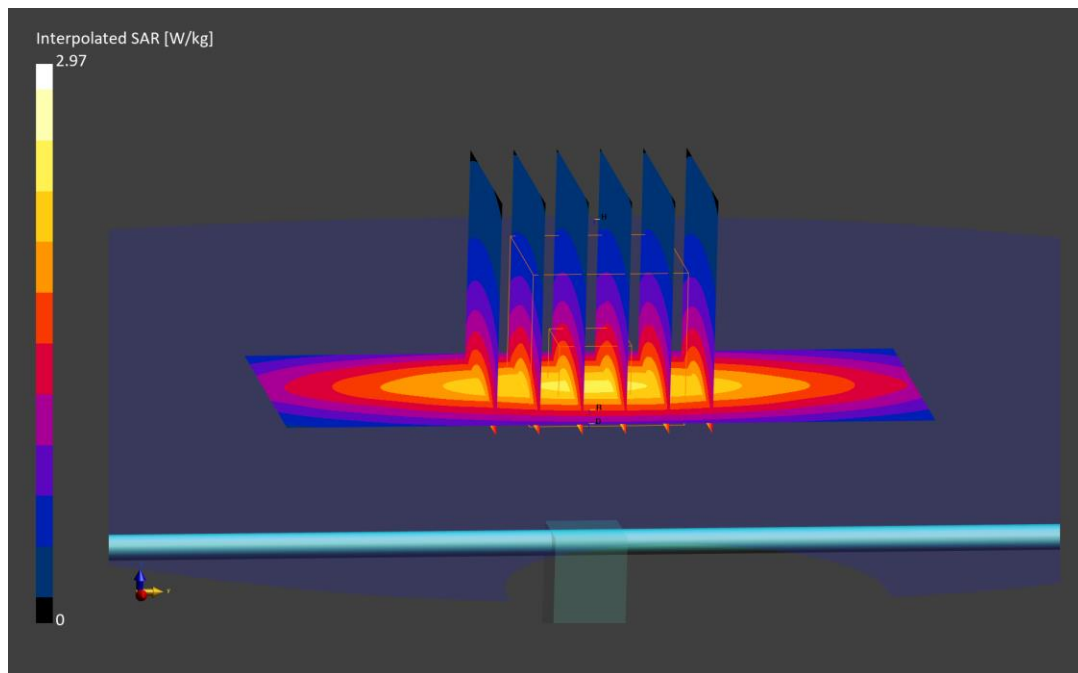
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.97 W/kg

SAR(1 g) = 2.00 W/kg; SAR(10 g) = 1.31 W/kg

Deviation (1 g) = 4.28%; Deviation (10 g) = 4.80%



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; $\text{cond} = 0.893$ S/m; $\text{perm} = 41.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 05/27/2025; Ambient Temp: 21.4°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7427; ConvF:(8.46,9.11,9.12); Calibrated: 2025-02-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1408; Calibrated: 2024-10-10
Phantom: Twin-SAM V8.0; Serial: 1935
Measurement SW: DASY Module SAR V16.4.0.5005

835.0 MHz System Verification at 23.0 dBm (200 mW)

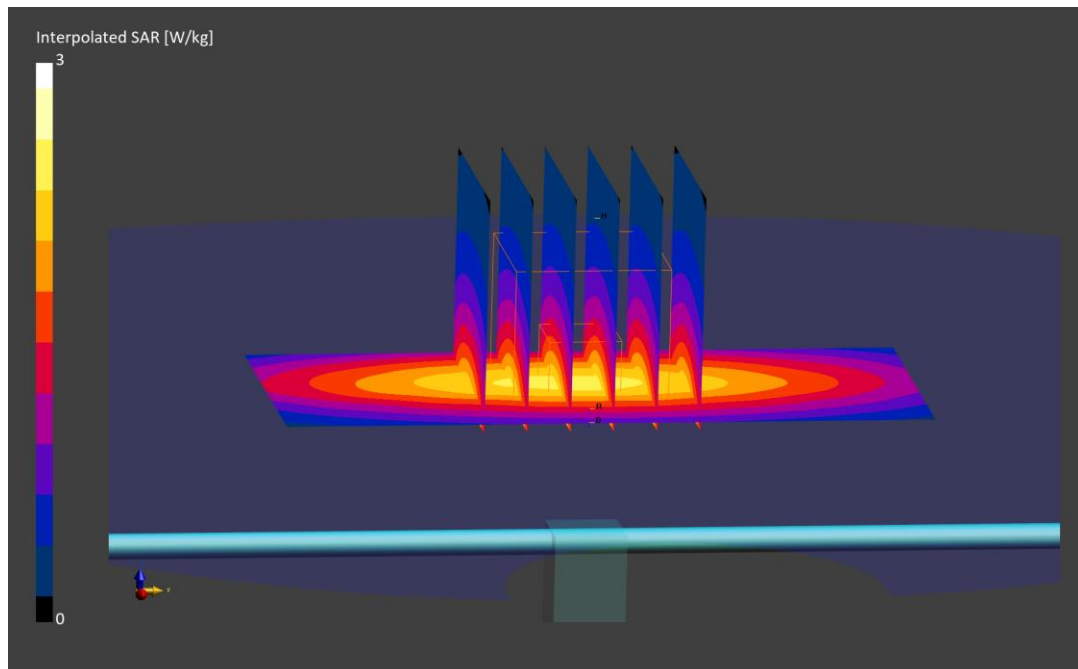
Area Scan (40.0 x 90.0): Measurement grid: $\text{dx}=10.0$ mm, $\text{dy}=15.0$ mm

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) = 3.00 W/kg

SAR(1 g) = 2.03 W/kg; SAR(10 g) = 1.34 W/kg

Deviation (1 g) = 3.57%; Deviation (10 g) = 5.68%



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; $\text{cond} = 0.901$ S/m; $\text{perm} = 41.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/11/2025; Ambient Temp: 21.9°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7427; ConvF:(8.46,9.11,9.12); Calibrated: 2025-02-10

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

Electronics: DAE4 Sn1408; Calibrated: 2024-10-10

Phantom: Twin-SAM V8.0; Serial: 1935

Measurement SW: DASY Module SAR V16.4.0.5005

835.0 MHz System Verification at 23.0 dBm (200 mW)

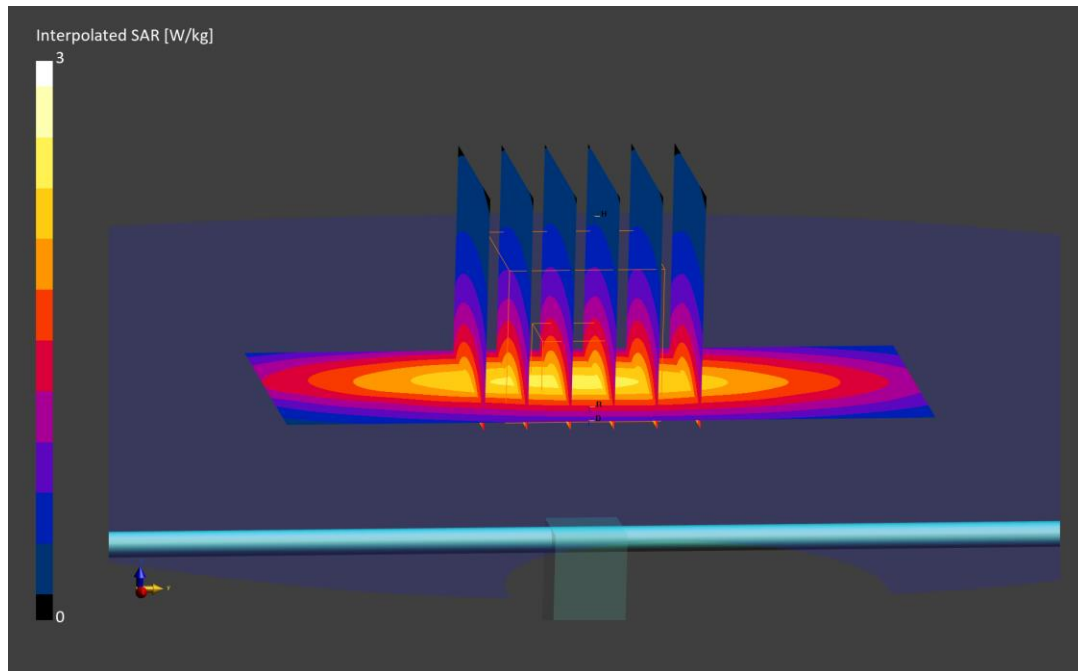
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 3.00 W/kg

SAR(1 g) = 2.02 W/kg; SAR(10 g) = 1.33 W/kg

Deviation (1 g) = 3.06%; Deviation (10 g) = 4.89%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1040

Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: 1750 Head; Medium parameters used:
 $f = 1750.000$ MHz; $\text{cond} = 1.35$ S/m; $\text{perm} = 38.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/16/2025; Ambient Temp: 22.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7421; ConvF:(7.44,8.39,7.85); Calibrated: 2025-03-06
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn604; Calibrated: 2025-03-06
Phantom: Twin-SAM V8.0; Serial: 1917
Measurement SW: DASY Module SAR V16.4.0.5005

1750.0 MHz System Verification at 20.0 dBm (100 mW)

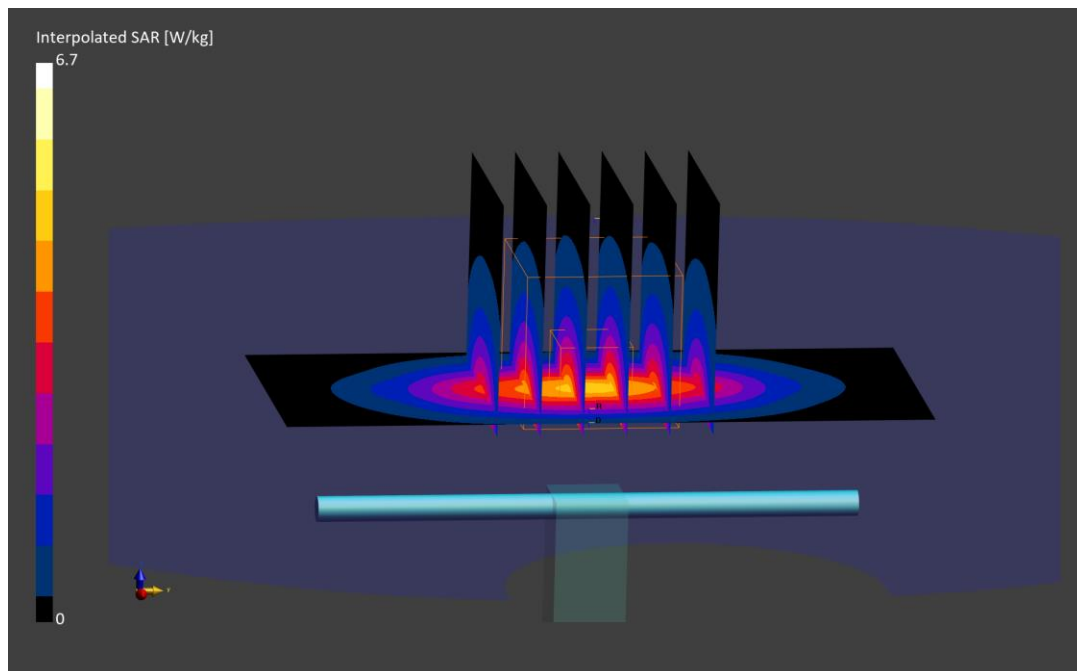
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 6.70 W/kg

SAR(1 g) = 3.80 W/kg; SAR(10 g) = 2.05 W/kg

Deviation (1 g) = 4.40%; Deviation (10 g) = 7.33%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1083

Communication System: UID: 0, CW; Frequency: 1750.000 MHz
 Medium: 1750 Head; Medium parameters used:
 $f = 1750.000$ MHz; $\text{cond} = 1.31$ S/m; $\text{perm} = 38.7$; $\text{density} = 1000$ kg/m³
 Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2025; Ambient Temp: 22.5°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7490; ConvF:(8.2,8.29,7.97); Calibrated: 2024-12-09
 Sensor-Surface: 1.4mm (VMS + 6p)
 Electronics: DAE4 Sn1644; Calibrated: 2024-12-04
 Phantom: Twin-SAM V8.0; Serial: 2067
 Measurement SW: DASY Module SAR V16.4.0.5005

1750.0 MHz System Verification at 20.0 dBm (100 mW)

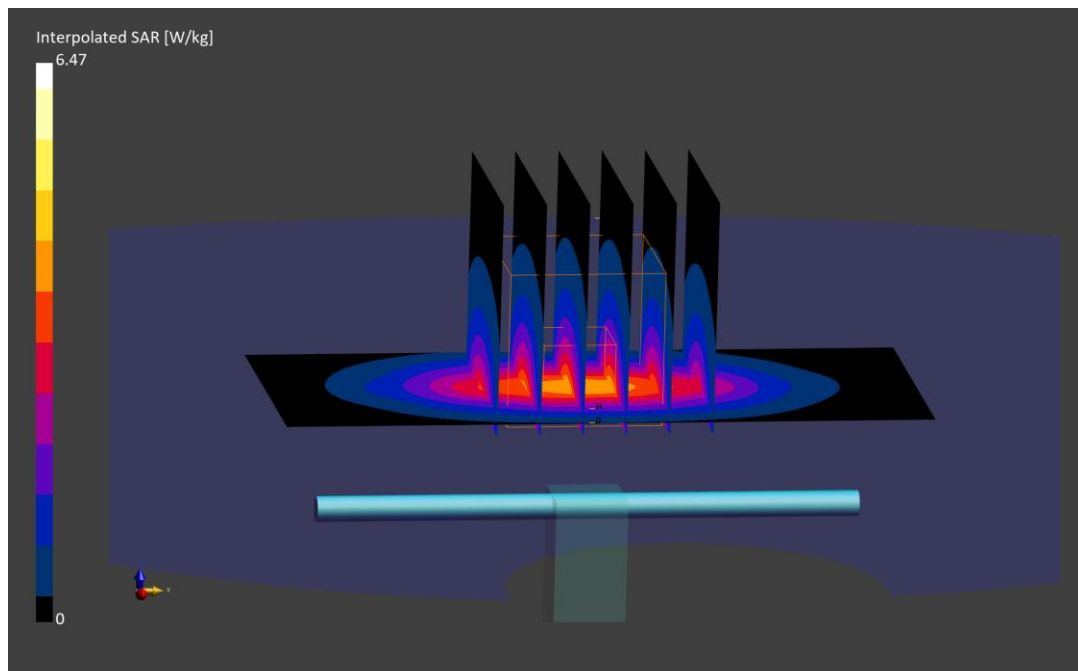
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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

Peak SAR (extrapolated) = 6.47 W/kg

SAR(1 g) = 3.53 W/kg; SAR(10 g) = 1.89 W/kg

Deviation (1 g) = -3.29%; Deviation (10 g) = -2.58%



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; $\text{cond} = 1.37$ S/m; $\text{perm} = 38.6$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/21/2025; Ambient Temp: 21.5°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7638; ConvF:(7.94,8.13,8.2); Calibrated: 2025-03-06
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2025-02-06
Phantom: Twin-SAM V8.0; Serial: 1692
Measurement SW: DASY Module SAR V16.4.0.5005

1900.0 MHz System Verification at 20.0 dBm (100 mW)

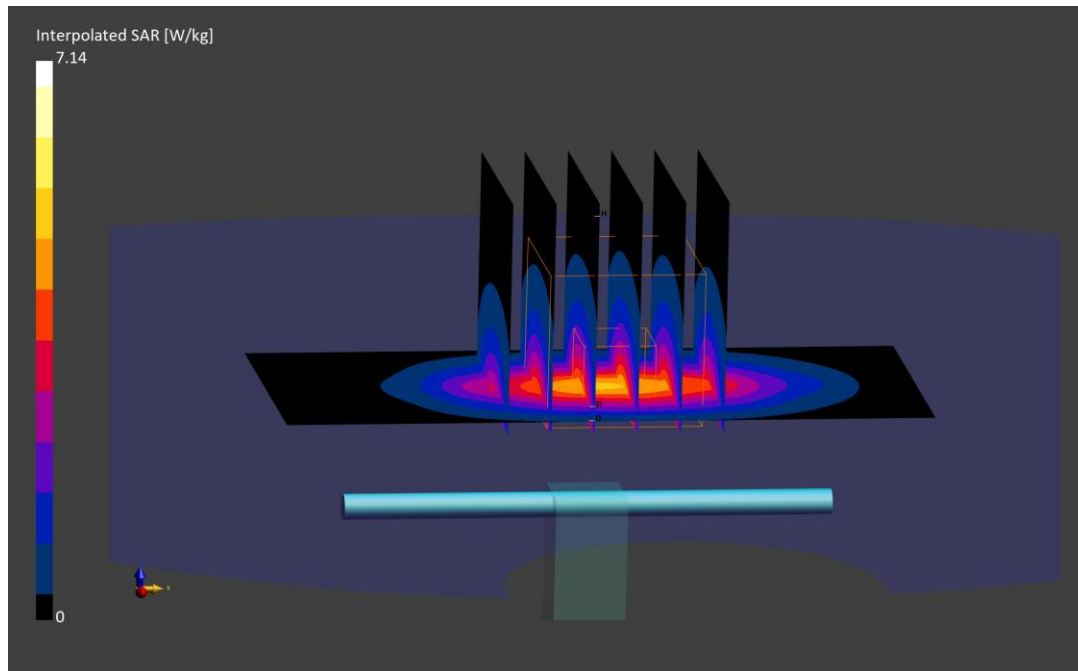
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 7.14 W/kg

SAR(1 g) = 3.84 W/kg; SAR(10 g) = 1.98 W/kg

Deviation (1 g) = -3.52%; Deviation (10 g) = -5.26%



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; $\text{cond} = 1.39$ S/m; $\text{perm} = 38.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/27/2025; Ambient Temp: 20.4°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7638; ConvF:(7.94,8.13,8.2); Calibrated: 2025-03-06
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2025-02-06
Phantom: Twin-SAM V8.0; Serial: 1692
Measurement SW: DASY Module SAR V16.4.0.5005

1900.0 MHz System Verification at 20.0 dBm (100 mW)

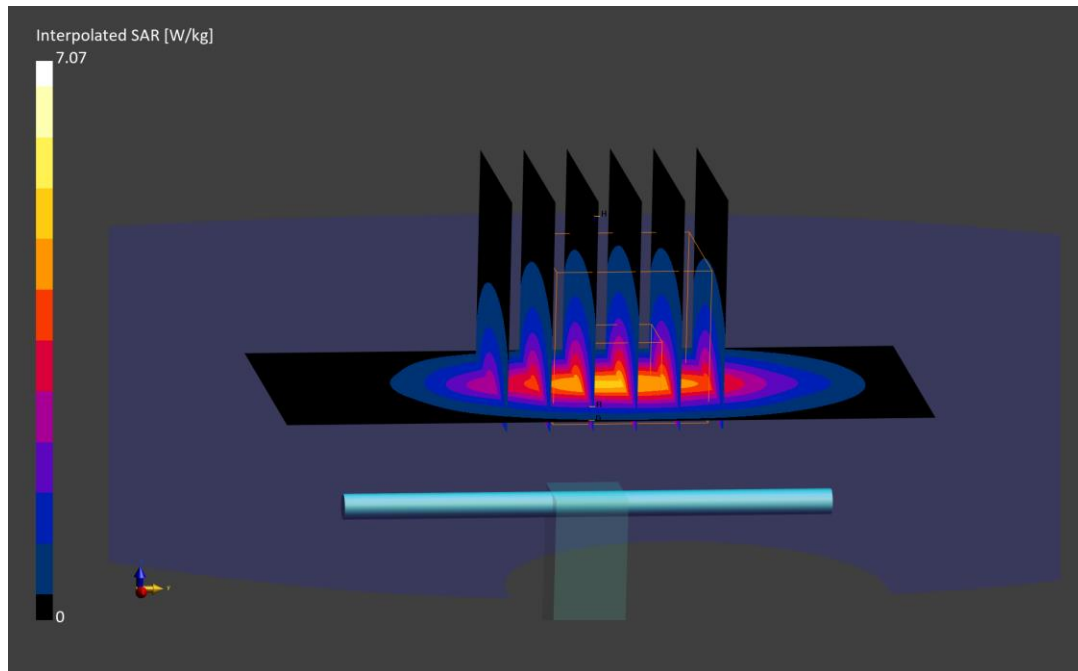
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 7.07 W/kg

SAR(1 g) = 3.86 W/kg; SAR(10 g) = 2.00 W/kg

Deviation (1 g) = -3.02%; Deviation (10 g) = -4.31%



ELEMENT

DUT: Dipole 2300.000 MHz; Type: D2300V2 - SN1038

Communication System: UID: 0, CW; Frequency: 2300.000 MHz
Medium: 2450 Head; Medium parameters used:
 $f = 2300.000$ MHz; $\text{cond} = 1.68$ S/m; $\text{perm} = 40.3$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/20/2025; Ambient Temp: 23.0°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN3837; ConvF:(7.47,7.08,7.28); Calibrated: 2024-09-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2029
Measurement SW: DASY Module SAR V16.4.0.5005

2300.0 MHz System Verification at 20.0 dBm (100 mW)

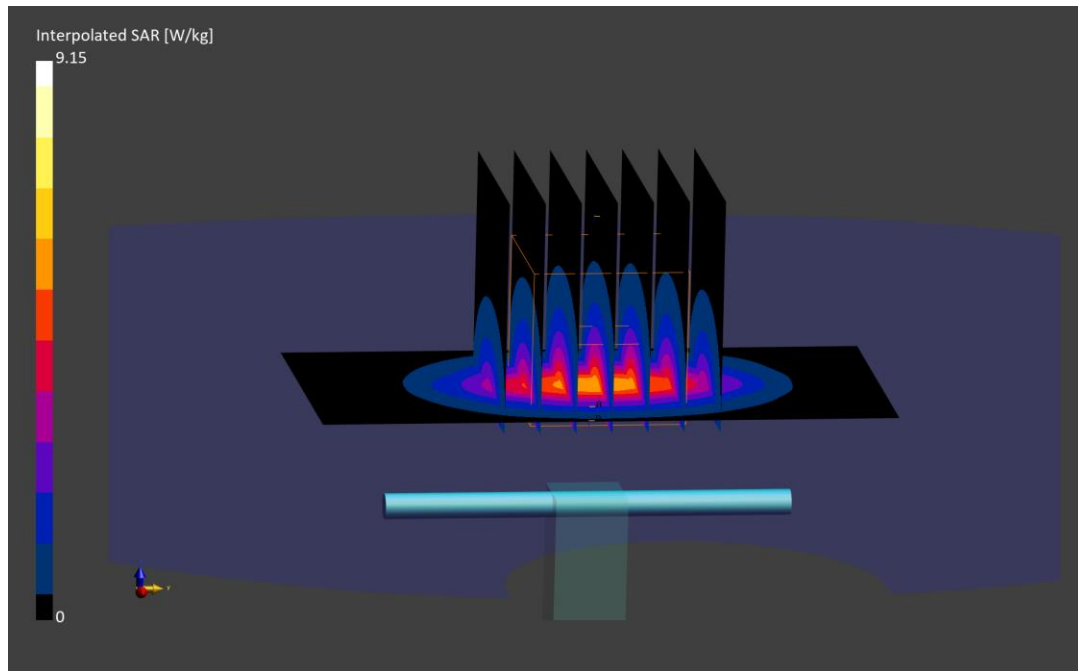
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 9.15 W/kg

SAR(1 g) = 4.68 W/kg; SAR(10 g) = 2.27 W/kg

Deviation (1 g) = -4.68%; Deviation (10 g) = -4.22%



ELEMENT

DUT: Dipole 2300.000 MHz; Type: D2300V2 - SN1038

Communication System: UID: 0, CW; Frequency: 2300.000 MHz
Medium: 2450 Head; Medium parameters used:
 $f = 2300.000$ MHz; $\text{cond} = 1.66$ S/m; $\text{perm} = 38.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/17/2025; Ambient Temp: 20.8°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN3837; ConvF:(7.47,7.08,7.28); Calibrated: 2024-09-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2029
Measurement SW: DASY Module SAR V16.4.0.5005

2300.0 MHz System Verification at 20.0 dBm (100 mW)

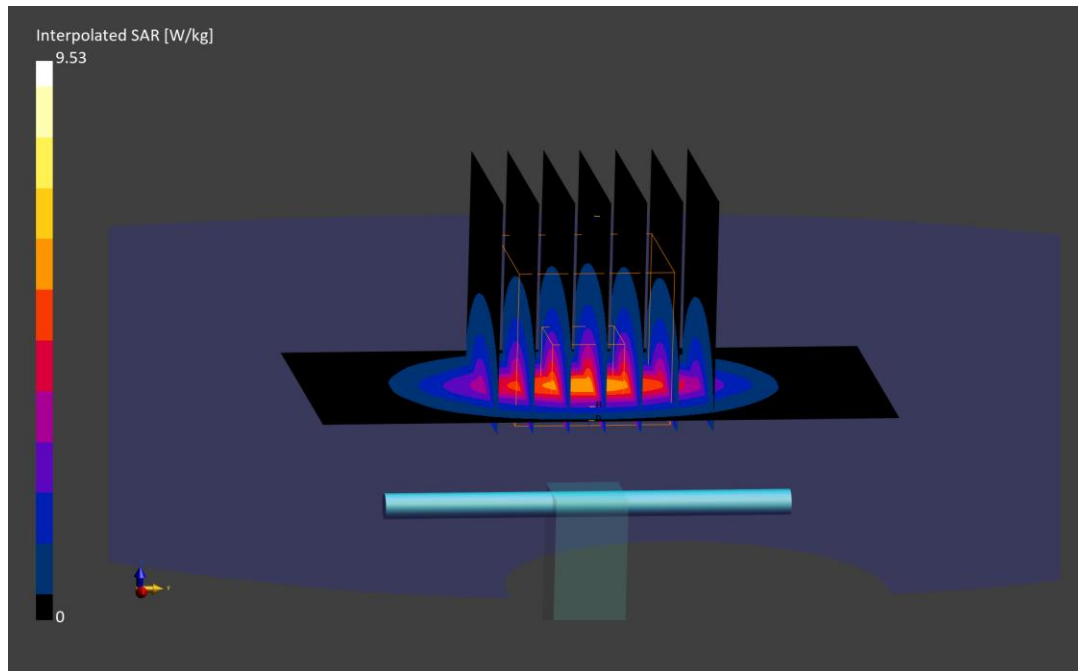
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 9.53 W/kg

SAR(1 g) = 4.81 W/kg; SAR(10 g) = 2.33 W/kg

Deviation (1 g) = -2.04%; Deviation (10 g) = -1.69%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN750

Communication System: UID: 0, CW; Frequency: 2450.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2450.000$ MHz; $\text{cond} = 1.78$ S/m; $\text{perm} = 38.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/07/2025; Ambient Temp: 21.6°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7421; ConvF:(6.76,7.62,7.12); Calibrated: 2025-03-06

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

Electronics: DAE4 Sn604; Calibrated: 2025-03-06

Phantom: Twin-SAM V8.0; Serial: 1917

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

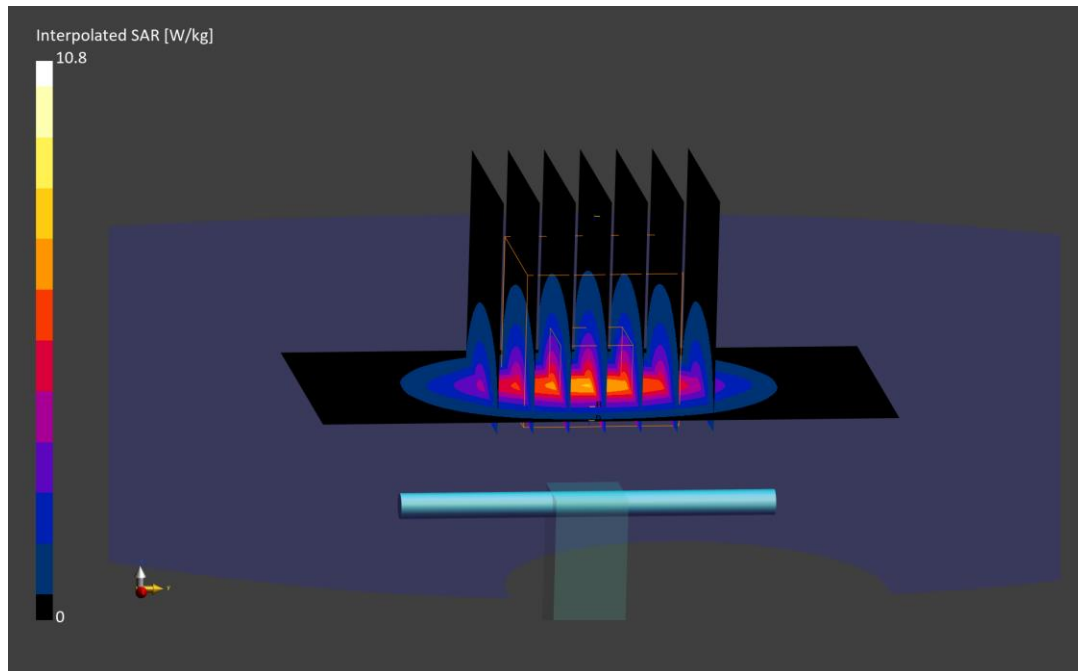
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): 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) = 5.31 W/kg; SAR(10 g) = 2.50 W/kg

Deviation (1 g) = -0.38%; Deviation (10 g) = -0.40%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN921

Communication System: UID: 0, CW; Frequency: 2450.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2450.000$ MHz; $\text{cond} = 1.76$ S/m; $\text{perm} = 38.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/11/2025; Ambient Temp: 20.6°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN3837; ConvF:(7.25,6.87,7.06); Calibrated: 2024-09-09

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

Electronics: DAE4 Sn793; Calibrated: 2024-09-03

Phantom: Twin-SAM V8.0; Serial: 2029

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

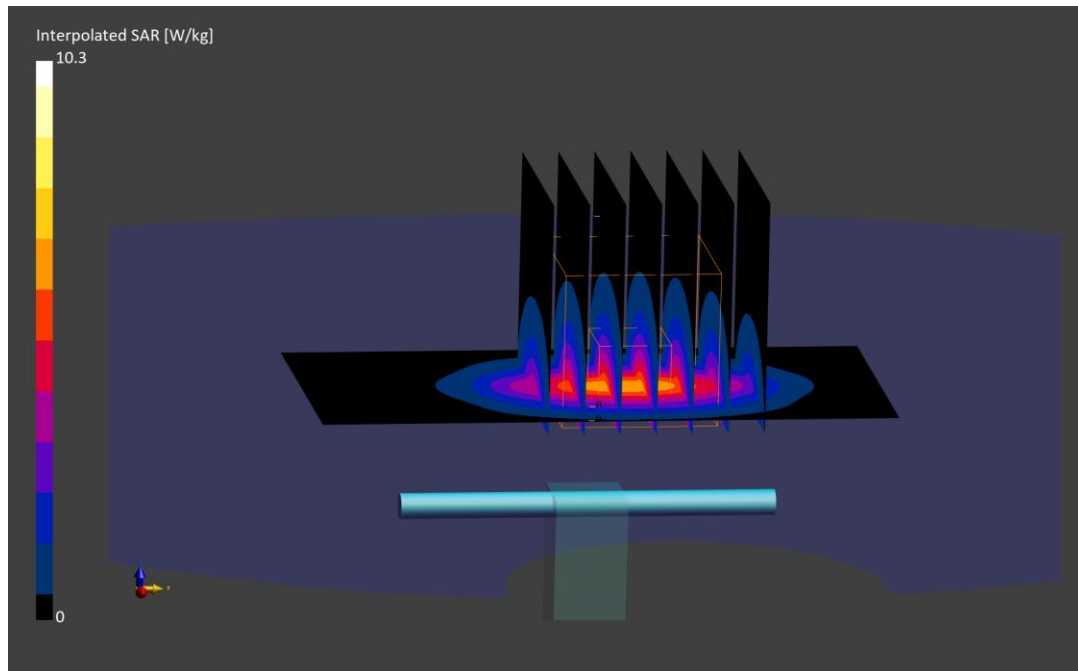
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): 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) = 5.13 W/kg; SAR(10 g) = 2.41 W/kg

Deviation (1 g) = -1.72%; Deviation (10 g) = -0.82%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN750

Communication System: UID: 0, CW; Frequency: 2450.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2450.000$ MHz; $\text{cond} = 1.86$ S/m; $\text{perm} = 38.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/16/2025; Ambient Temp: 22.0°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7532; ConvF:(6.89,6.81,7.65); Calibrated: 2025-04-16

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

Electronics: DAE4 Sn501; Calibrated: 2025-04-09

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

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

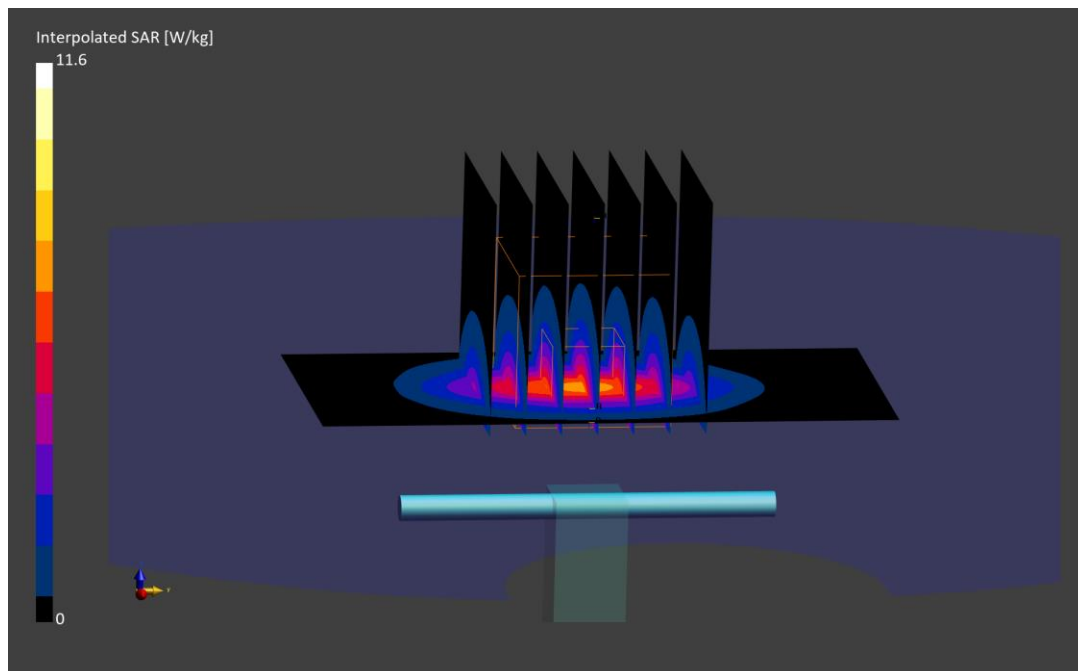
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): 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) = 5.43 W/kg; SAR(10 g) = 2.48 W/kg

Deviation (1 g) = 1.88%; Deviation (10 g) = -1.20%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN855

Communication System: UID: 0, CW; Frequency: 2450.000 MHz

Medium: 2450 Head; Medium parameters used:

$f = 2450.000$ MHz; $\text{cond} = 1.86$ S/m; $\text{perm} = 38.3$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/22/2025; Ambient Temp: 22.5°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7532; ConvF:(6.89,6.81,7.65); Calibrated: 2025-04-16

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

Electronics: DAE4 Sn501; Calibrated: 2025-04-09

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

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

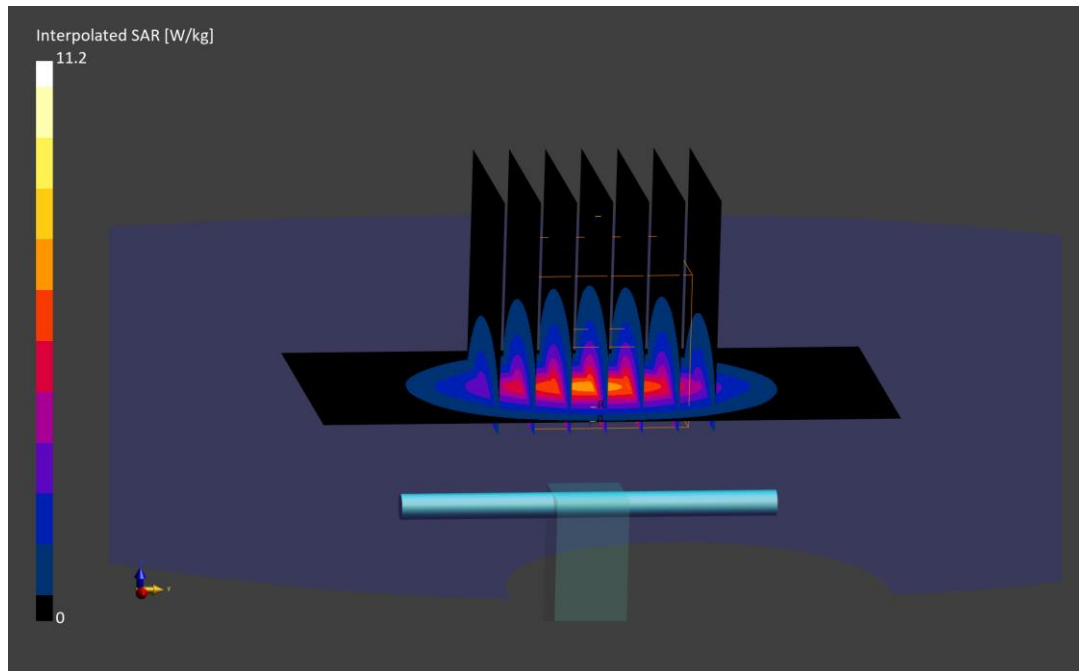
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 5.31 W/kg; SAR(10 g) = 2.41 W/kg

Deviation (1 g) = 1.34%; Deviation (10 g) = -2.03%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1069

Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
 $f = 2600.000$ MHz; $\text{cond} = 1.91$ S/m; $\text{perm} = 37.9$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/02/2025; Ambient Temp: 22.1°C; Tissue Temp: 19.3°C

Probe: EX3DV4 - SN3837; ConvF:(7.51,7.12,7.31); Calibrated: 2024-09-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2029
Measurement SW: DASY Module SAR V16.4.0.5005

2600.0 MHz System Verification at 20.0 dBm (100 mW)

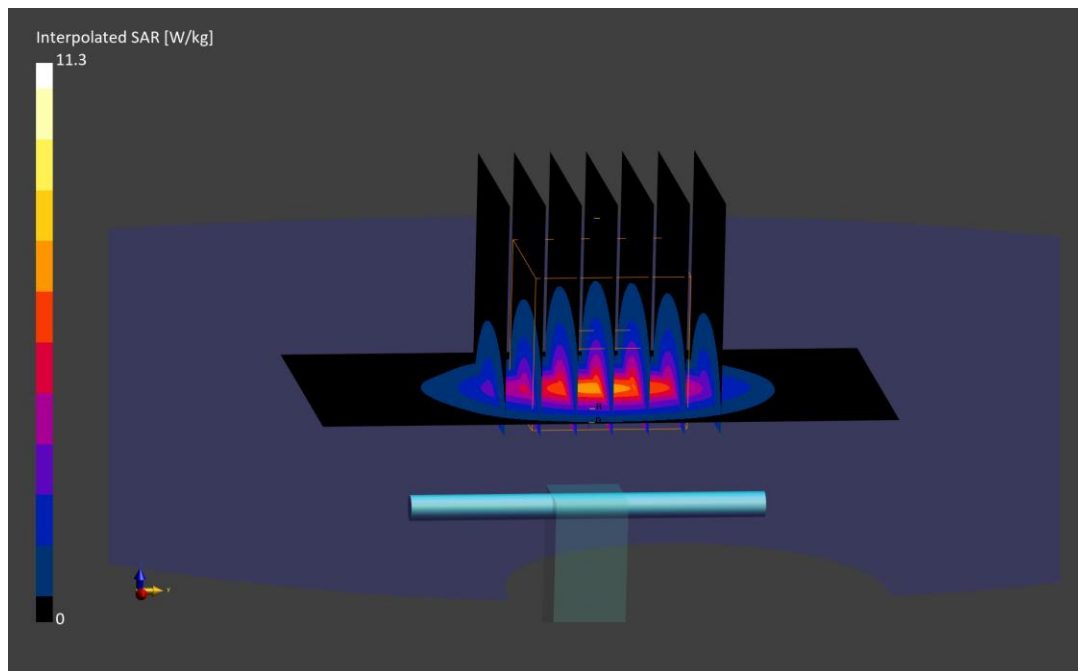
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 5.40 W/kg; SAR(10 g) = 2.46 W/kg

Deviation (1 g) = -3.91%; Deviation (10 g) = -3.53%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1042

Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
 $f = 2600.000$ MHz; $\text{cond} = 1.90$ S/m; $\text{perm} = 38.2$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/05/2025; Ambient Temp: 21.9°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7421; ConvF:(6.62,7.47,6.98); Calibrated: 2025-03-06
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn604; Calibrated: 2025-03-06
Phantom: Twin-SAM V8.0; Serial: 1917
Measurement SW: DASY Module SAR V16.4.0.5005

2600.0 MHz System Verification at 20.0 dBm (100 mW)

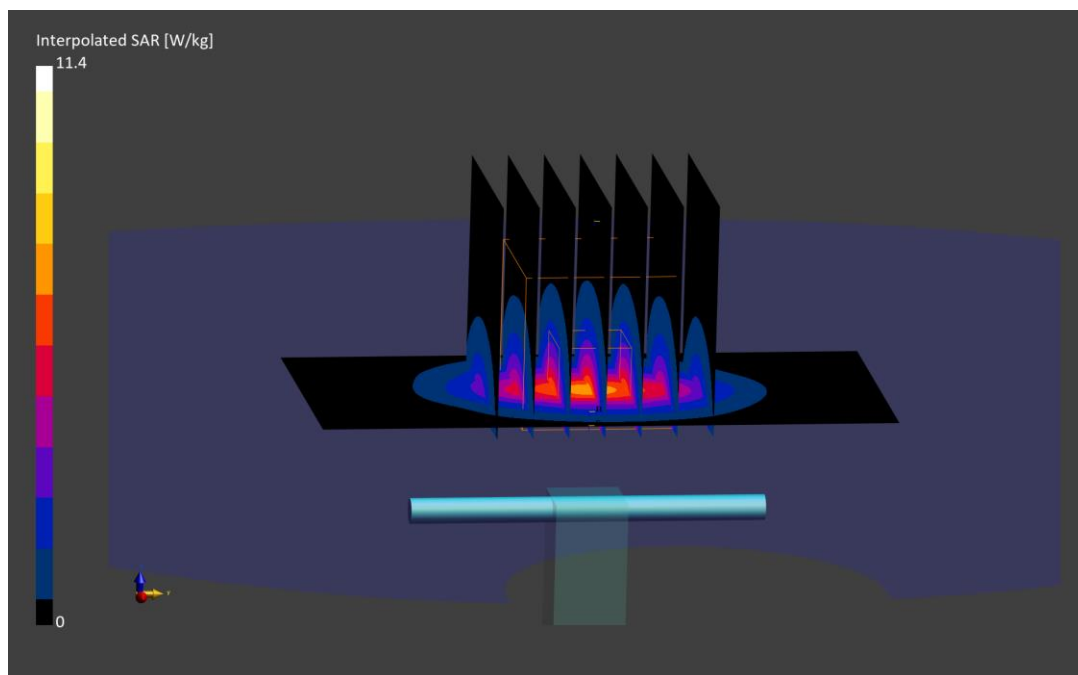
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.45 W/kg; SAR(10 g) = 2.48 W/kg

Deviation (1 g) = -0.73%; Deviation (10 g) = 1.22%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1042

Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
 $f = 2600.000$ MHz; $\text{cond} = 1.90$ S/m; $\text{perm} = 38.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/07/2025; Ambient Temp: 21.6°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7421; ConvF:(6.62,7.47,6.98); Calibrated: 2025-03-06
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn604; Calibrated: 2025-03-06
Phantom: Twin-SAM V8.0; Serial: 1917
Measurement SW: DASY Module SAR V16.4.0.5005

2600.0 MHz System Verification at 20.0 dBm (100 mW)

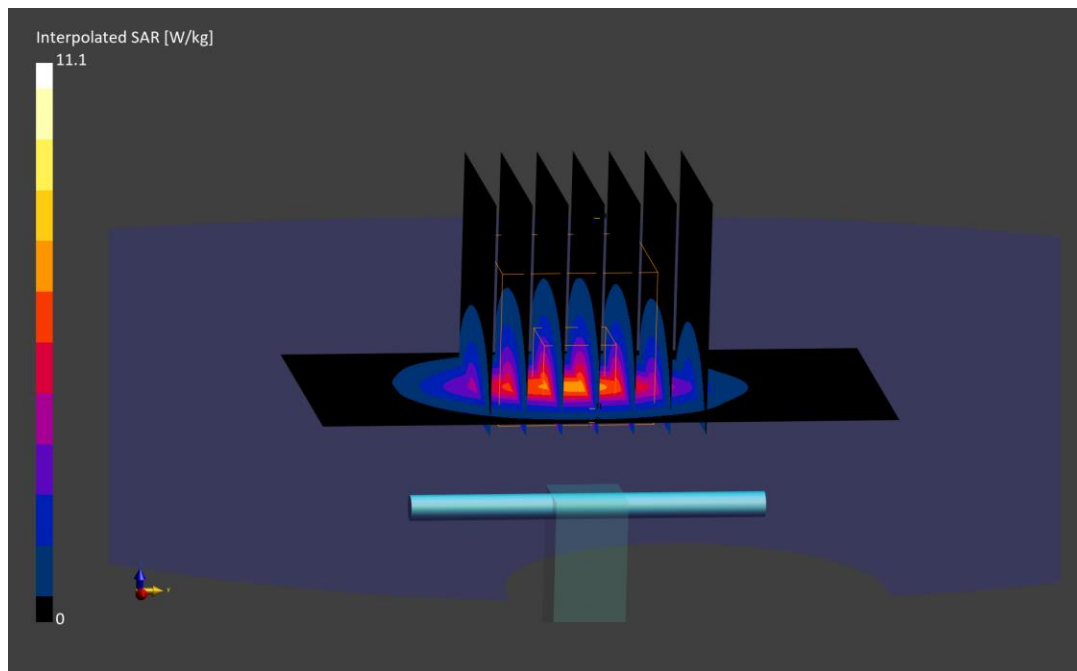
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 5.36 W/kg; SAR(10 g) = 2.44 W/kg

Deviation (1 g) = -2.37%; Deviation (10 g) = -0.41%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1069

Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
 $f = 2600.000$ MHz; $\text{cond} = 1.89$ S/m; $\text{perm} = 38.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/11/2025; Ambient Temp: 20.6°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN3837; ConvF:(7.51,7.12,7.31); Calibrated: 2024-09-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn793; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2029
Measurement SW: DASY Module SAR V16.4.0.5005

2600.0 MHz System Verification at 20.0 dBm (100 mW)

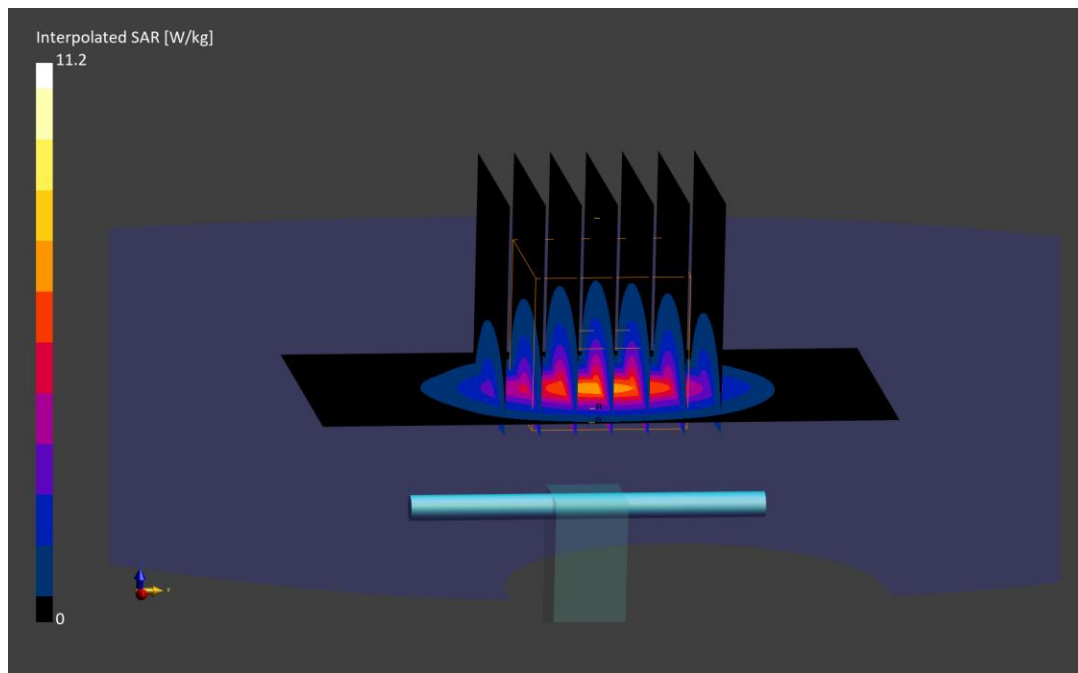
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (30.0 x 30.0 x 31.2): Measurement grid: $dx=5.0$ mm, $dy=5.0$ mm, $dz=1.5$ mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 5.35 W/kg; SAR(10 g) = 2.43 W/kg

Deviation (1 g) = -4.80%; Deviation (10 g) = -4.71%



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; $\text{cond} = 2.85$ S/m; $\text{perm} = 39.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 5/26/2025; Ambient Temp: 22.3°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7639; ConvF:(6.51,6.62,7.24); Calibrated: 2024-09-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2024-09-04
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.4.0.5005

3500.0 MHz System Verification at 20.0 dBm (100 mW)

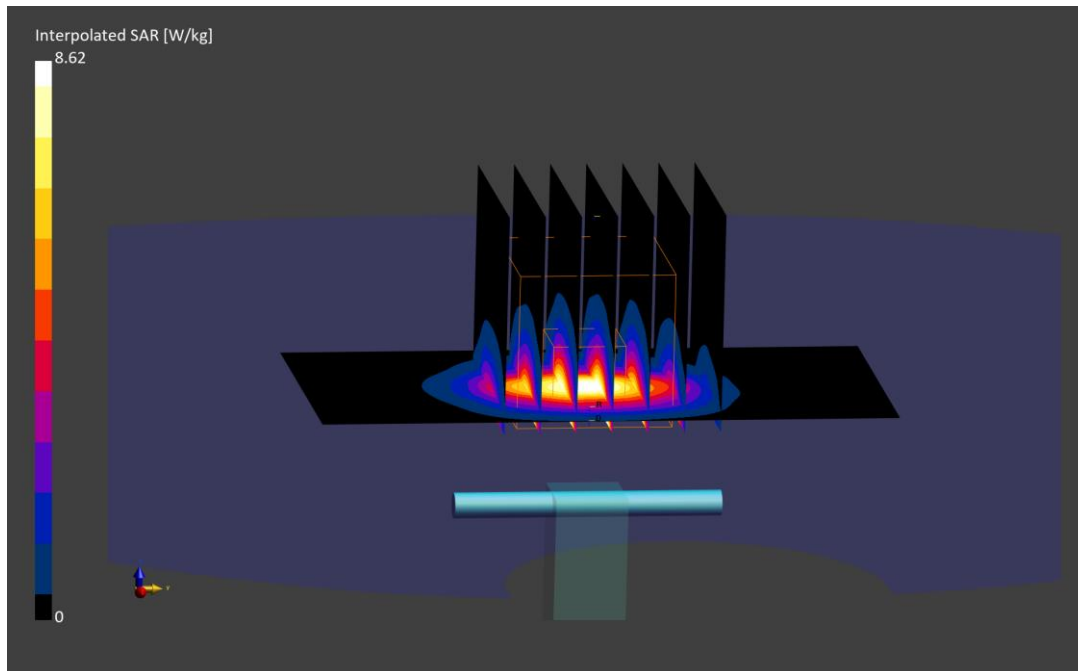
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 16.2 W/kg

SAR(1 g) = 6.32 W/kg; SAR(10 g) = 2.38 W/kg

Deviation (1 g) = -4.24%; Deviation (10 g) = -4.42%



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; $\text{cond} = 2.87$ S/m; $\text{perm} = 39.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/04/2025; Ambient Temp: 19.9°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7682; ConvF:(6.74,6.74,6.95); Calibrated: 2025-05-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1683; Calibrated: 2025-05-13
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.4.0.5005

3500.0 MHz System Verification at 20.0 dBm (100 mW)

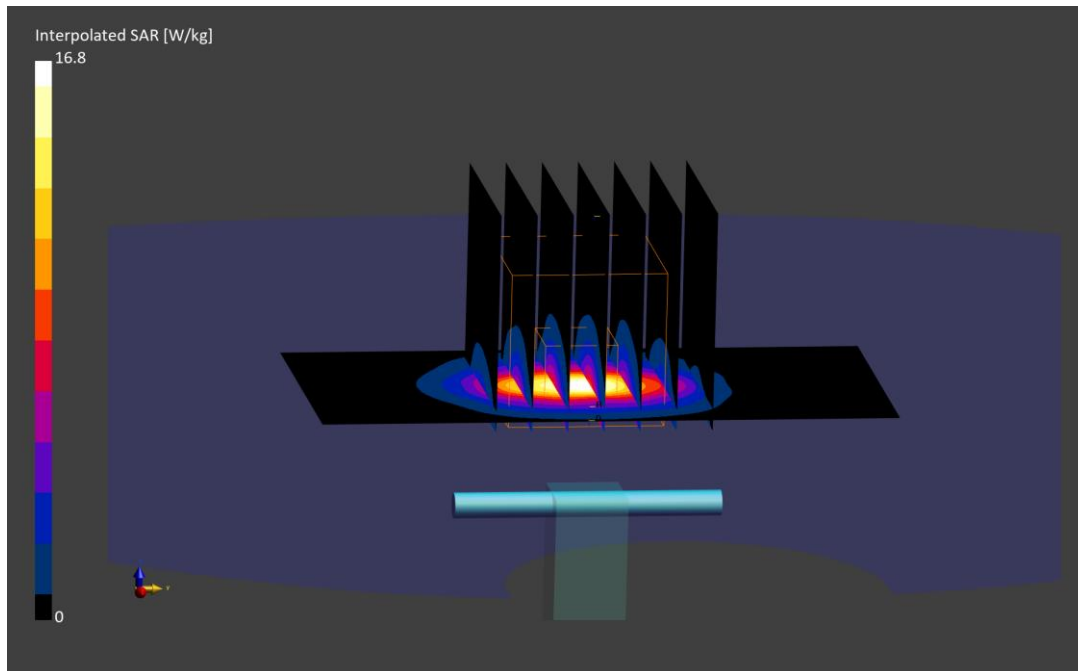
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 16.8 W/kg

SAR(1 g) = 6.49 W/kg; SAR(10 g) = 2.44 W/kg

Deviation (1 g) = -1.67%; Deviation (10 g) = -2.01%



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; $\text{cond} = 2.88$ S/m; $\text{perm} = 37.0$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 7/5/2025; Ambient Temp: 21.1°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7360; ConvF:(6.75,6.65,7.56); Calibrated: 2025-03-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn534; Calibrated: 2025-03-11
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.4.0.5005

3500.0 MHz System Verification at 20.0 dBm (100 mW)

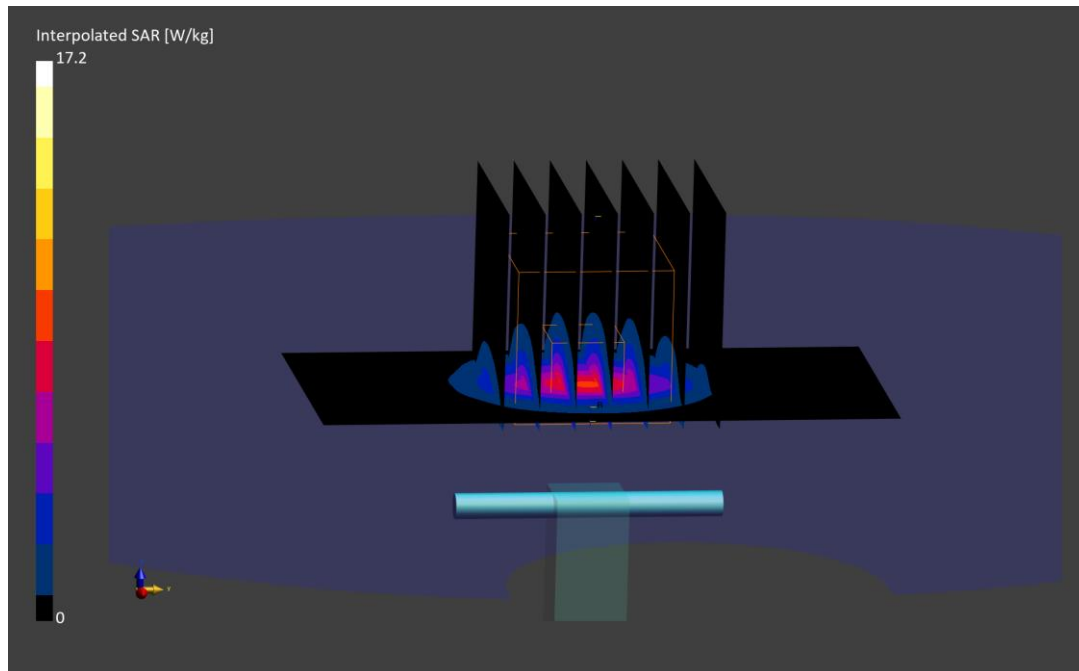
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 17.2 W/kg

SAR(1 g) = 6.53 W/kg; SAR(10 g) = 2.48 W/kg

Deviation (1 g) = -1.06%; Deviation (10 g) = -0.40%



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; $\text{cond} = 2.79$ S/m; $\text{perm} = 38.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 08/25/2025; Ambient Temp: 19.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7682; ConvF:(6.74,6.74,6.95); Calibrated: 2025-05-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1683; Calibrated: 2025-05-13
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.4.0.5005

3500.0 MHz System Verification at 20.0 dBm (100 mW)

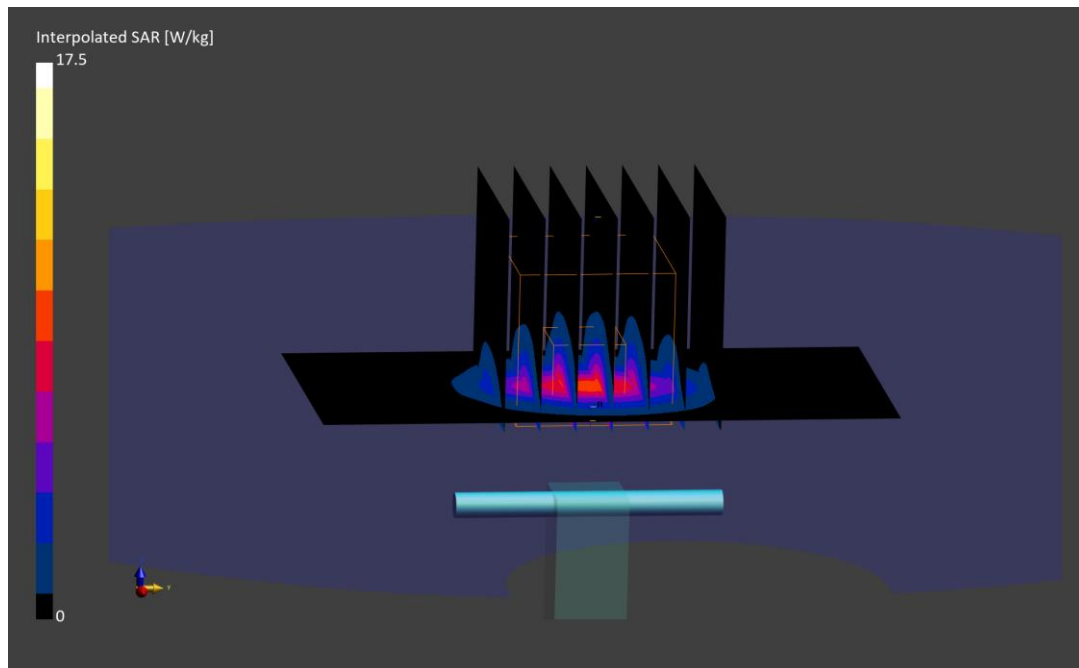
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 17.5 W/kg

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

Deviation (1 g) = 4.98%; Deviation (10 g) = 5.60%



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; $\text{perm} = 39.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 5/26/2025; Ambient Temp: 22.3°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7639; ConvF:(6.5,6.61,7.23); Calibrated: 2024-09-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2024-09-04
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

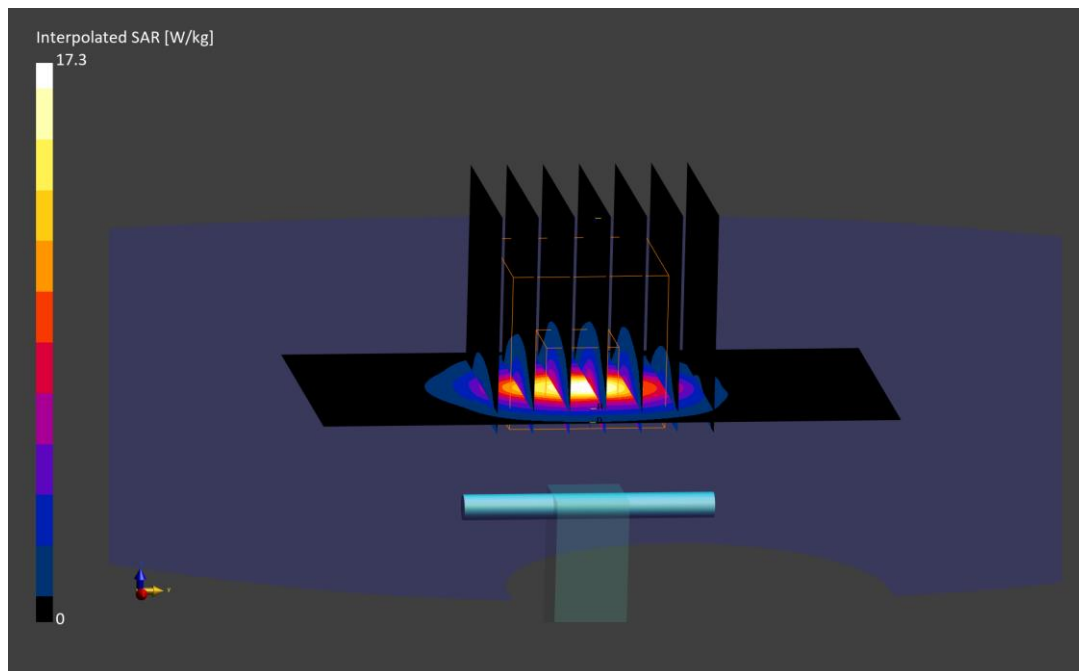
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 17.3 W/kg

SAR(1 g) = 6.43 W/kg; SAR(10 g) = 2.34 W/kg

Deviation (1 g) = -5.30%; Deviation (10 g) = -5.26%



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; $\text{cond} = 3.04$ S/m; $\text{perm} = 39.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/04/2025; Ambient Temp: 19.9°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7682; ConvF:(6.61,6.6,6.81); Calibrated: 2025-05-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1683; Calibrated: 2025-05-13
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

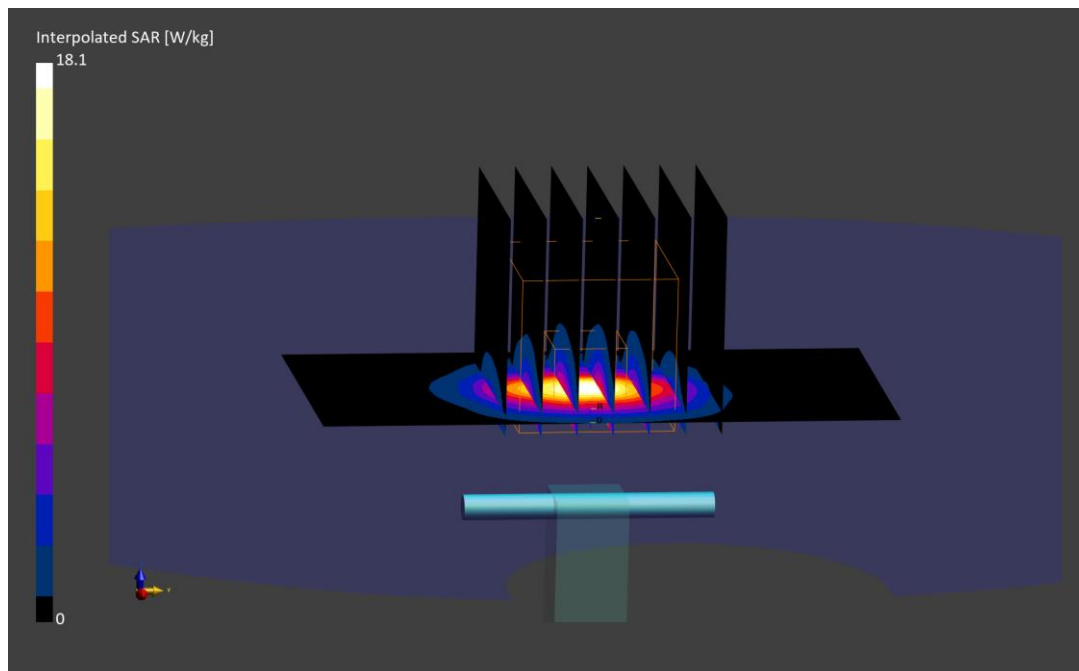
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 18.1 W/kg

SAR(1 g) = 6.75 W/kg; SAR(10 g) = 2.46 W/kg

Deviation (1 g) = -0.59%; Deviation (10 g) = -0.40%



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; $\text{cond} = 3.05$ S/m; $\text{perm} = 36.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 7/5/2025; Ambient Temp: 21.1°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7360; ConvF:(6.62,6.52,7.42); Calibrated: 2025-03-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn534; Calibrated: 2025-03-11
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

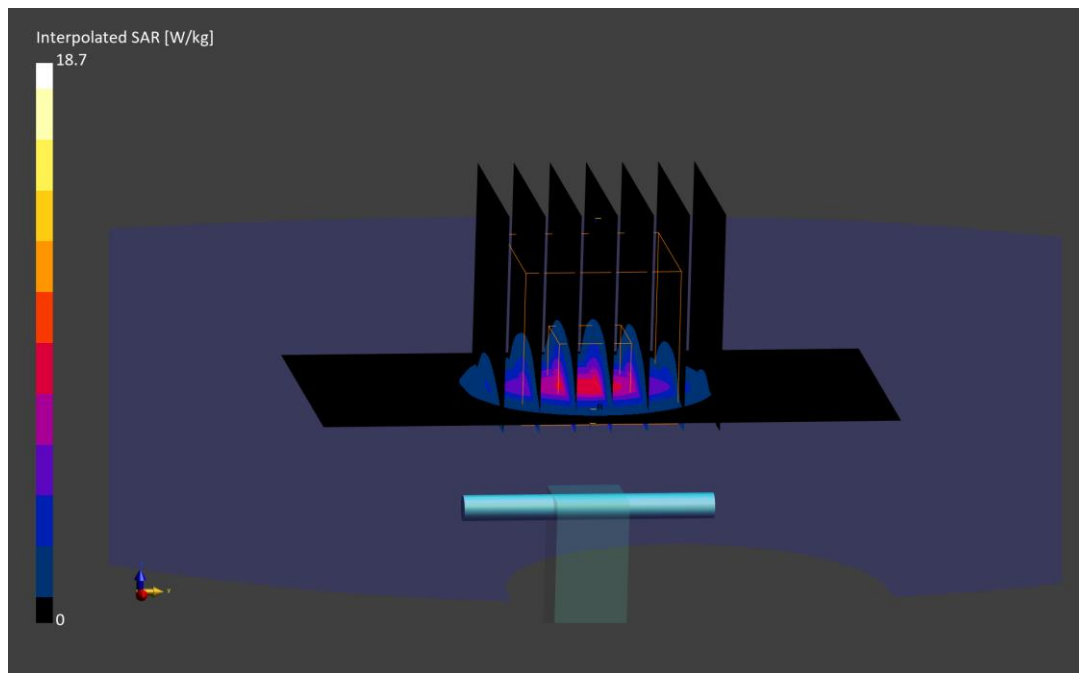
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 18.7 W/kg

SAR(1 g) = 6.80 W/kg; SAR(10 g) = 2.51 W/kg

Deviation (1 g) = 0.15%; Deviation (10 g) = 1.62%



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; $\text{cond} = 2.98$ S/m; $\text{perm} = 37.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 08/25/2025; Ambient Temp: 19.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7682; ConvF:(6.61,6.6,6.81); Calibrated: 2025-05-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1683; Calibrated: 2025-05-13
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

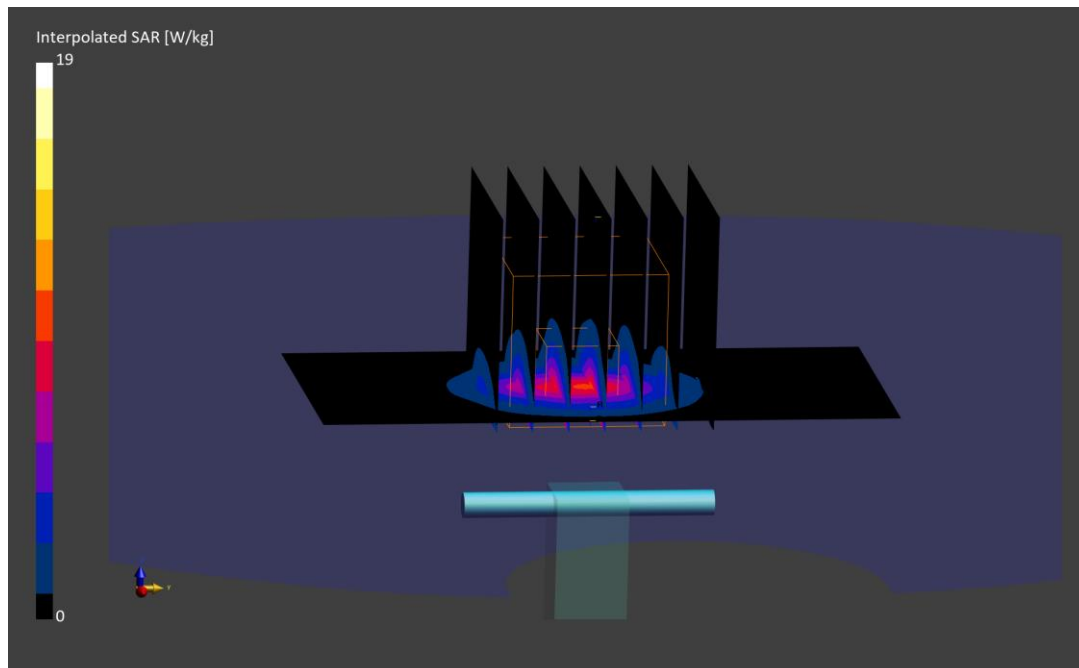
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 19.0 W/kg

SAR(1 g) = 7.14 W/kg; SAR(10 g) = 2.63 W/kg

Deviation (1 g) = 5.15%; Deviation (10 g) = 6.48%



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; $\text{perm} = 39.2$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 5/26/2025; Ambient Temp: 22.3°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7639; ConvF:(6.34,6.44,7.04); Calibrated: 2024-09-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2024-09-04
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.4.0.5005

3900.0 MHz System Verification at 20.0 dBm (100 mW)

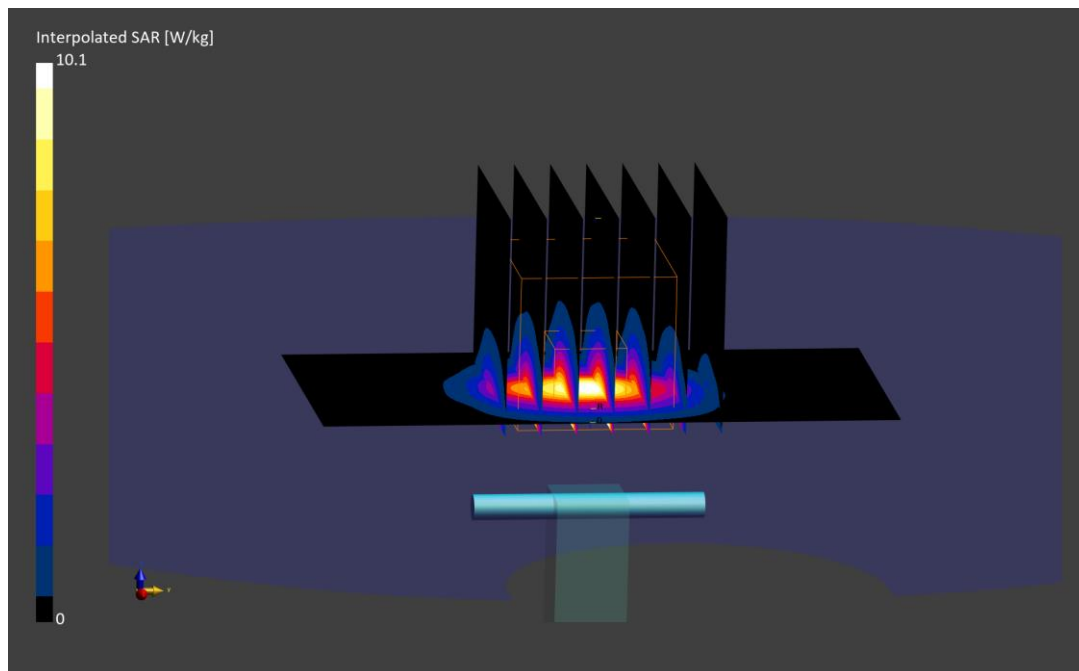
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 19.1 W/kg

SAR(1 g) = 6.77 W/kg; SAR(10 g) = 2.36 W/kg

Deviation (1 g) = -1.46%; Deviation (10 g) = -2.07%



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; $\text{cond} = 3.23$ S/m; $\text{perm} = 39.2$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/04/2025; Ambient Temp: 19.9°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7682; ConvF:(6.45,6.44,6.64); Calibrated: 2025-05-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1683; Calibrated: 2025-05-13
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.4.0.5005

3900.0 MHz System Verification at 20.0 dBm (100 mW)

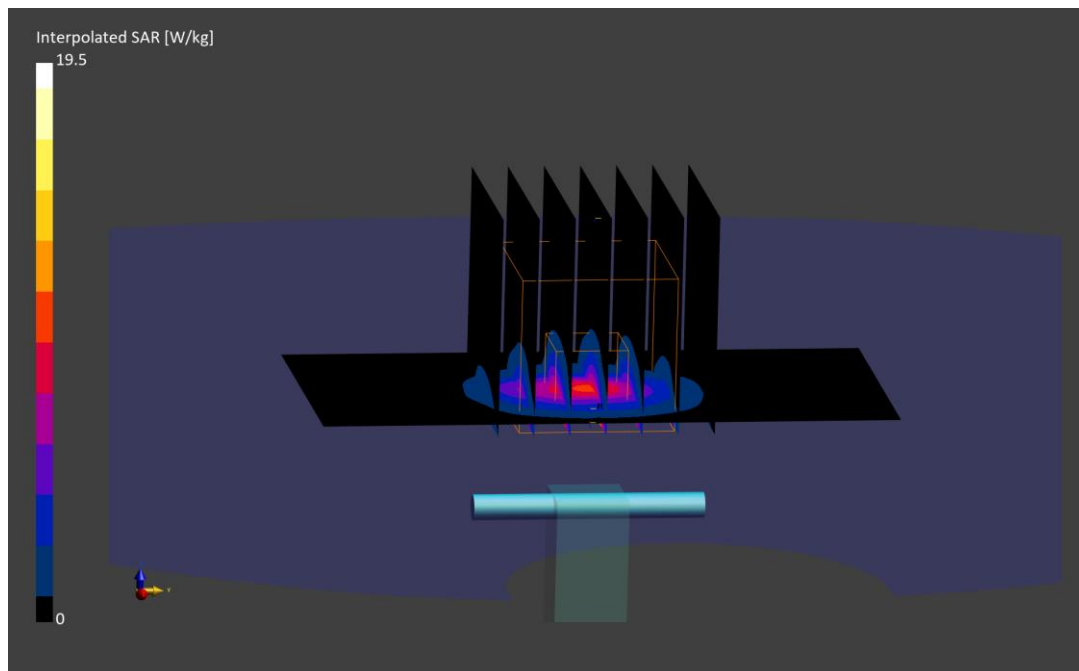
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 19.5 W/kg

SAR(1 g) = 6.92 W/kg; SAR(10 g) = 2.40 W/kg

Deviation (1 g) = 0.73%; Deviation (10 g) = -0.41%



ELEMENT

DUT: Dipole 5250.000 MHz; Type: D5GHzV2 - SN1163

Communication System: UID: 0, CW; Frequency: 5250.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5250.000$ MHz; $\text{cond} = 4.54$ S/m; $\text{perm} = 35.2$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/19/2025; Ambient Temp: 20.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7782; ConvF:(5.91,5.17,5.06); Calibrated: 2024-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.4.0.5005

5250.0 MHz System Verification at 17.0 dBm (50 mW)

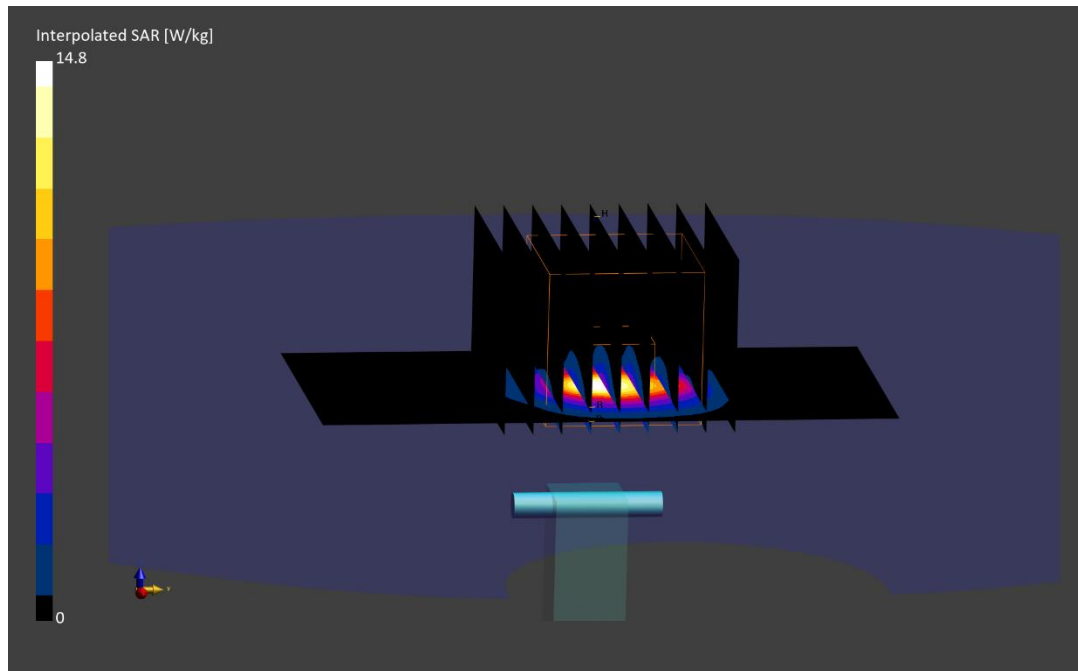
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 22.9): 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; SAR(10 g) = 1.08 W/kg

Deviation (1 g) = -5.08%; Deviation (10 g) = -3.14%



ELEMENT

DUT: Dipole 5250.000 MHz; Type: D5GHzV2 - SN1066

Communication System: UID: 0, CW; Frequency: 5250.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5250.000$ MHz; $\text{cond} = 4.53$ S/m; $\text{perm} = 37.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/29/2025; Ambient Temp: 20.8°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7782; ConvF:(5.91,5.17,5.06); Calibrated: 2024-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.4.0.5005

5250.0 MHz System Verification at 17.0 dBm (50 mW)

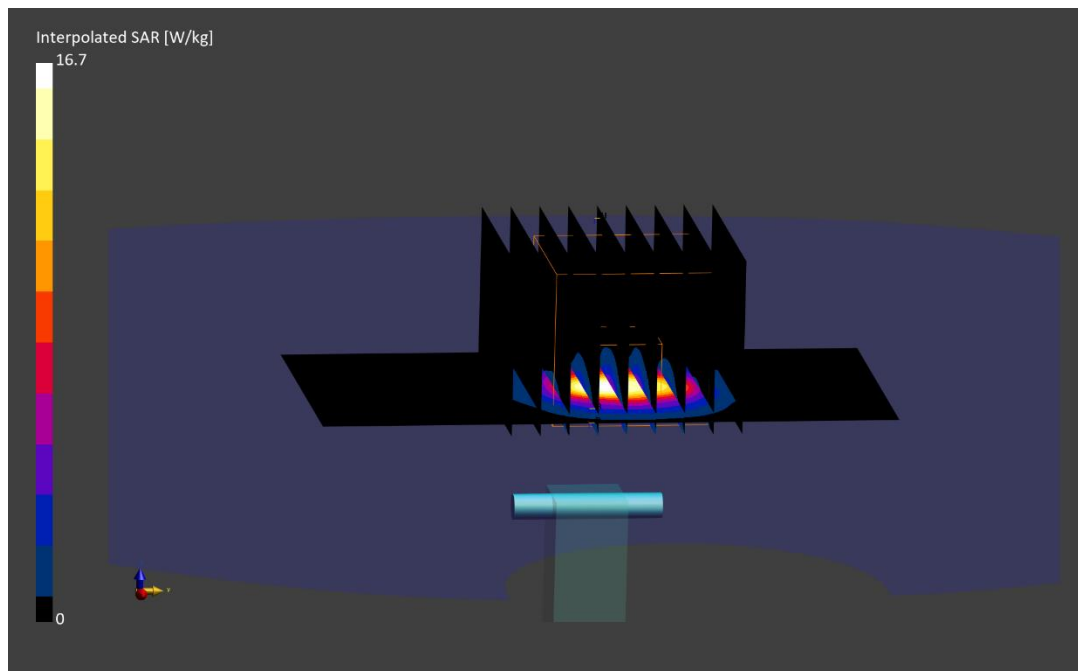
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 22.9): 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) = 4.10 W/kg; SAR(10 g) = 1.18 W/kg

Deviation (1 g) = 5.26%; Deviation (10 g) = 4.89%



ELEMENT

DUT: Dipole 5600.000 MHz; Type: D5GHzV2 - SN1163

Communication System: UID: 0, CW; Frequency: 5600.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5600.000$ MHz; $\text{cond} = 4.93$ S/m; $\text{perm} = 34.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/19/2025; Ambient Temp: 20.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7782; ConvF:(5.12,4.48,4.38); Calibrated: 2024-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.4.0.5005

5600.0 MHz System Verification at 17.0 dBm (50 mW)

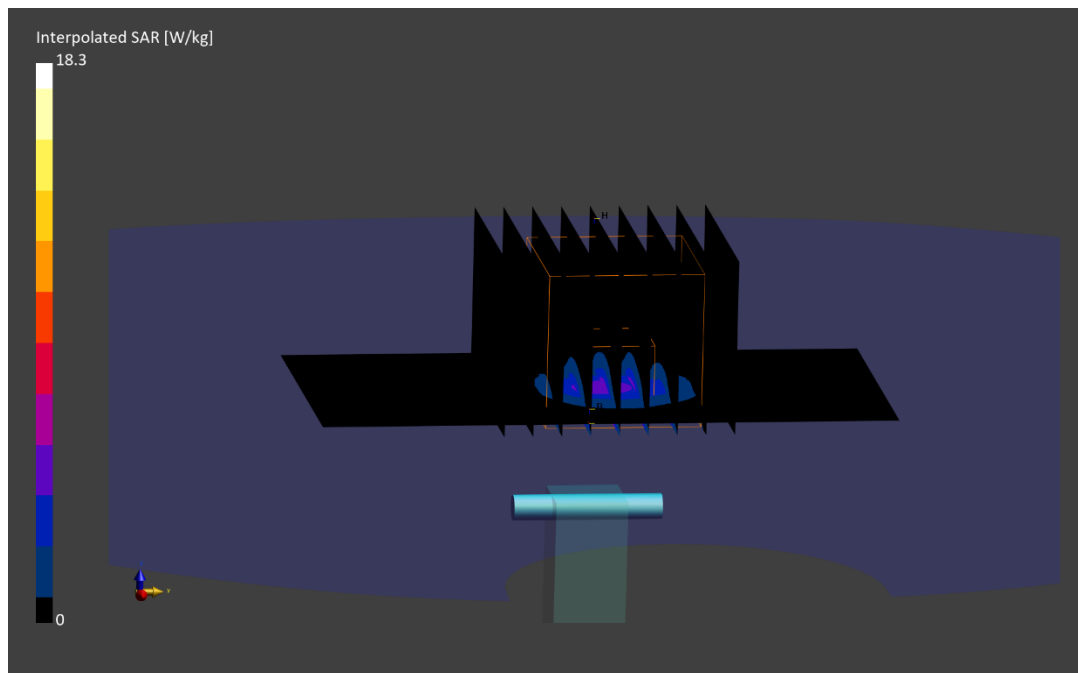
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 4.28 W/kg; SAR(10 g) = 1.21 W/kg

Deviation (1 g) = 5.81%; Deviation (10 g) = 5.22%



ELEMENT

DUT: Dipole 5600.000 MHz; Type: D5GHzV2 - SN1066

Communication System: UID: 0, CW; Frequency: 5600.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5600.000$ MHz; $\text{cond} = 4.92$ S/m; $\text{perm} = 36.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/29/2025; Ambient Temp: 20.8°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7782; ConvF:(5.12,4.48,4.38); Calibrated: 2024-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.4.0.5005

5600.0 MHz System Verification at 17.0 dBm (50 mW)

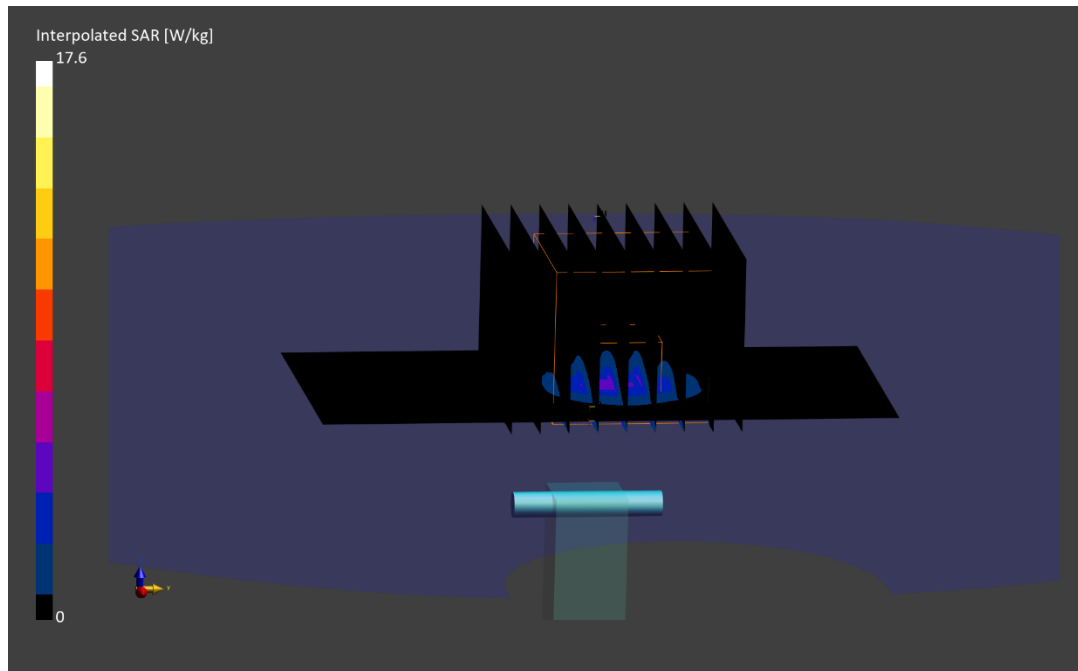
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 4.02 W/kg; SAR(10 g) = 1.14 W/kg

Deviation (1 g) = -1.71%; Deviation (10 g) = -3.80%



ELEMENT

DUT: Dipole 5750.000 MHz; Type: D5GHzV2 - SN1163

Communication System: UID: 0, CW; Frequency: 5750.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5750.000$ MHz; $\text{cond} = 5.11$ S/m; $\text{perm} = 34.2$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/19/2025; Ambient Temp: 20.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7782; ConvF:(5.28,4.62,4.52); Calibrated: 2024-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.4.0.5005

5750.0 MHz System Verification at 17.0 dBm (50 mW)

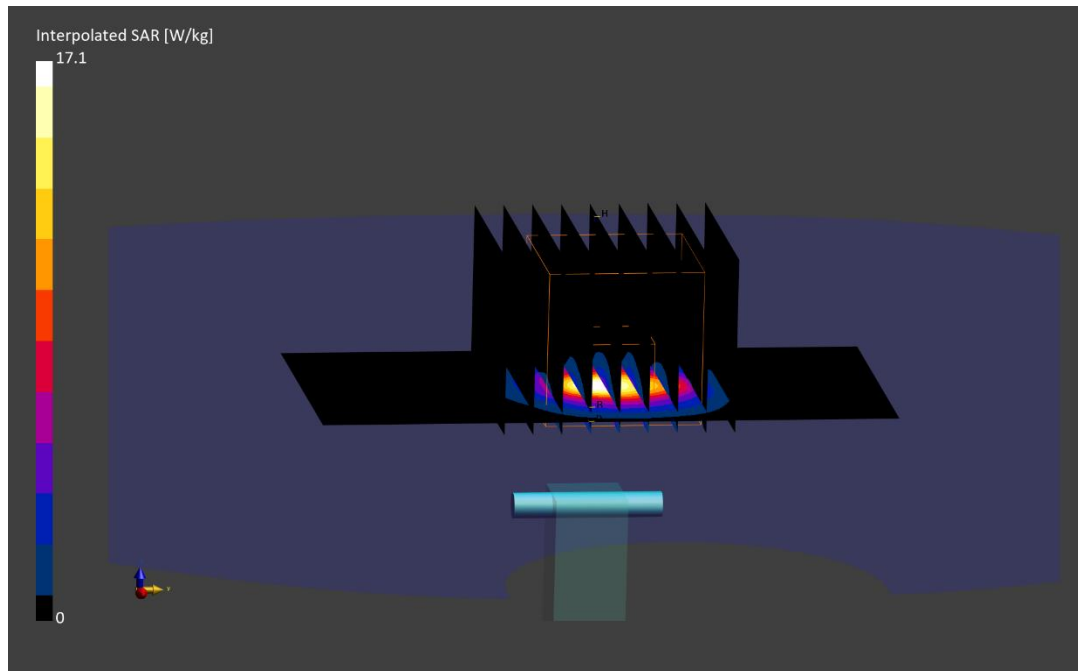
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 22.9): 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) = 3.87 W/kg; SAR(10 g) = 1.11 W/kg

Deviation (1 g) = -0.90%; Deviation (10 g) = 0.45%



ELEMENT

DUT: Dipole 5750.000 MHz; Type: D5GHzV2 - SN1066

Communication System: UID: 0, CW; Frequency: 5750.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5750.000$ MHz; $\text{cond} = 5.09$ S/m; $\text{perm} = 36.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/29/2025; Ambient Temp: 20.8°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7782; ConvF:(5.28,4.62,4.52); Calibrated: 2024-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.4.0.5005

5750.0 MHz System Verification at 17.0 dBm (50 mW)

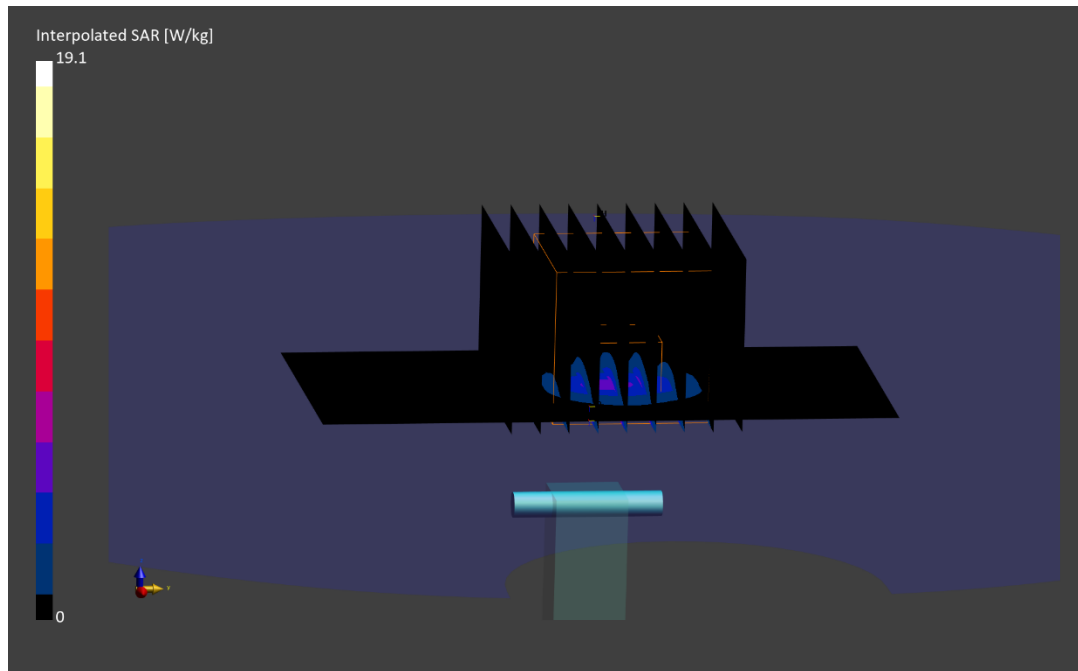
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 19.1 W/kg

SAR(1 g) = 4.23 W/kg; SAR(10 g) = 1.20 W/kg

Deviation (1 g) = 4.83%; Deviation (10 g) = 3.45%



ELEMENT

DUT: Dipole 5850.000 MHz; Type: D5GHzV2 - SN1163

Communication System: UID: 0, CW; Frequency: 5850.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5850.000$ MHz; $\text{cond} = 5.22$ S/m; $\text{perm} = 34.1$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/19/2025; Ambient Temp: 20.5°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7782; ConvF:(5.08,4.44,4.35); Calibrated: 2024-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.4.0.5005

5850.0 MHz System Verification at 17.0 dBm (50 mW)

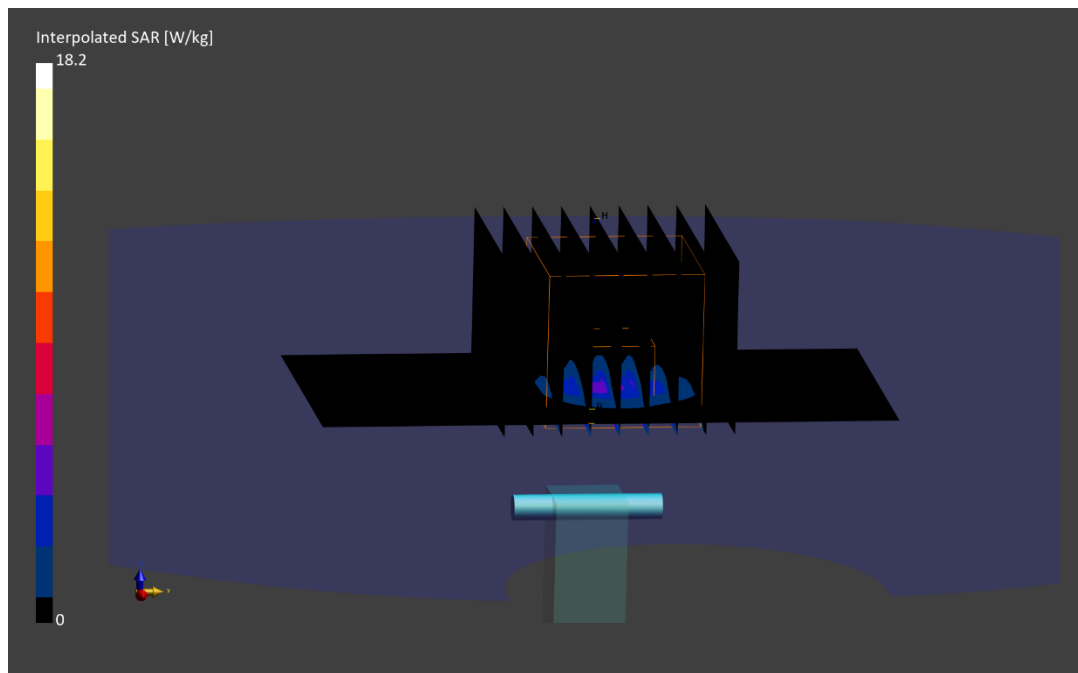
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 4.04 W/kg; SAR(10 g) = 1.14 W/kg

Deviation (1 g) = 1.25%; Deviation (10 g) = 1.33%



ELEMENT

DUT: Dipole 5850.000 MHz; Type: D5GHzV2 - SN1066

Communication System: UID: 0, CW; Frequency: 5850.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
 $f = 5850.000$ MHz; $\text{cond} = 5.21$ S/m; $\text{perm} = 36.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/29/2025; Ambient Temp: 20.8°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7782; ConvF:(5.08,4.44,4.35); Calibrated: 2024-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; Calibrated: 2024-09-03
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.4.0.5005

5850.0 MHz System Verification at 17.0 dBm (50 mW)

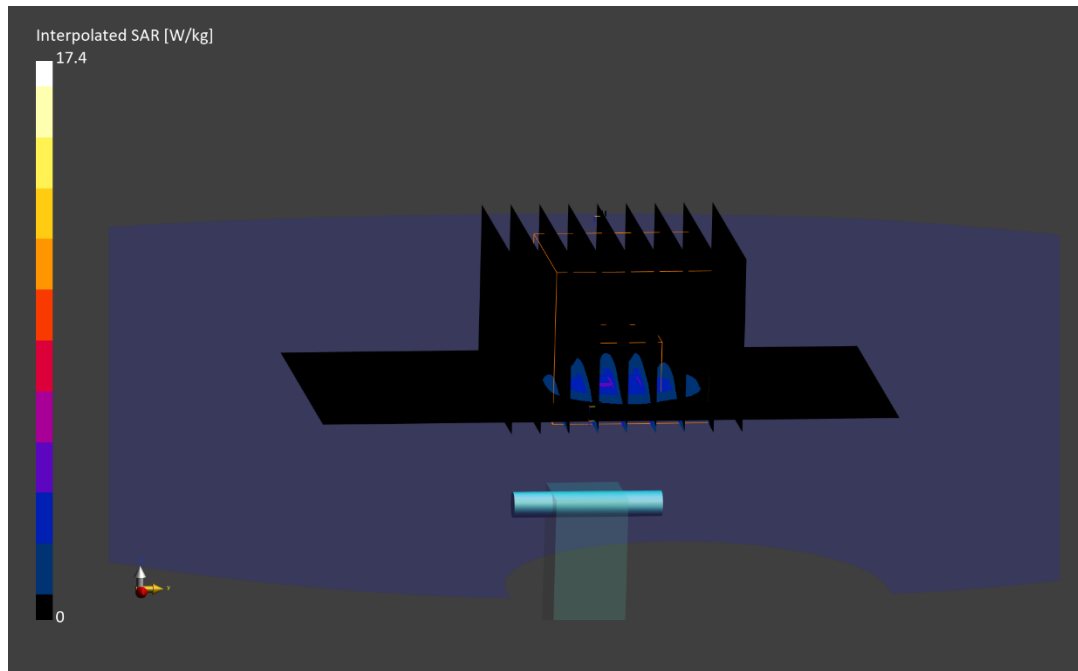
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (32.0 x 32.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 17.4 W/kg

SAR(1 g) = 3.77 W/kg; SAR(10 g) = 1.06 W/kg

Deviation (1 g) = -2.58%; Deviation (10 g) = -4.50%



ELEMENT

DUT: Dipole 6500.000 MHz; Type: D6.5GHzV2 - SN1019

Communication System: UID: 0, CW; Frequency: 6500.000 MHz
Medium: 6000 Head; Medium parameters used:
 $f = 6500.000$ MHz; $\text{cond} = 5.95$ S/m; $\text{perm} = 34.0$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 5 mm

Test Date: 06/04/2025; Ambient Temp: 21.6°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN3949; ConvF:(5.23,5.7,5.57); Calibrated: 2024-09-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1684; Calibrated: 2024-09-04
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.4.0.5005

6500.0 MHz System Verification at 14.0 dBm (25 mW)

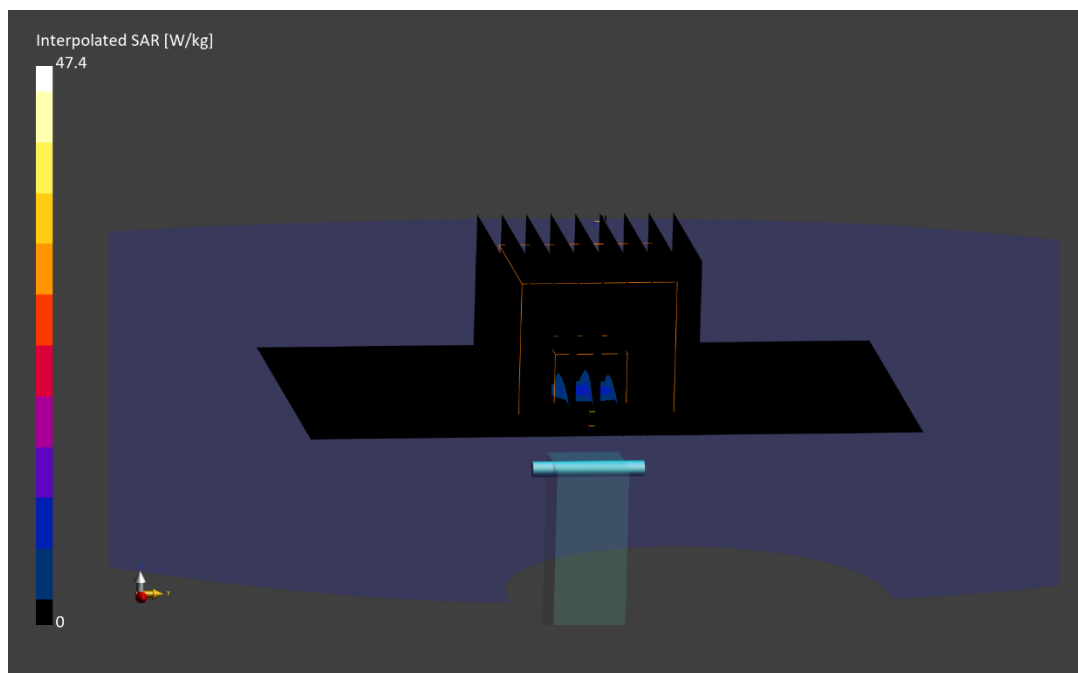
Area Scan (51.0 x 85.0): Measurement grid: $dx=8.5$ mm, $dy=8.5$ mm

Zoom Scan (27.2 x 27.2 x 22.9): Measurement grid: $dx=3.4$ mm, $dy=3.4$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 47.4 W/kg

SAR(1 g) = 7.85 W/kg; APD(4cm²) = 34.9 W/m²

Deviation (1 g) = 4.67%; Deviation (W/m²) = 4.18%





Date: 07/24/2025

10 GHz Verification

Device Under Test Properties

DUT	Serial Number
10 GHz Verification Source	1006

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	10.00	Validation band	10000.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9407, 10/09/2024	DAE4 – SN1402, 04/10/2025

Software Setup

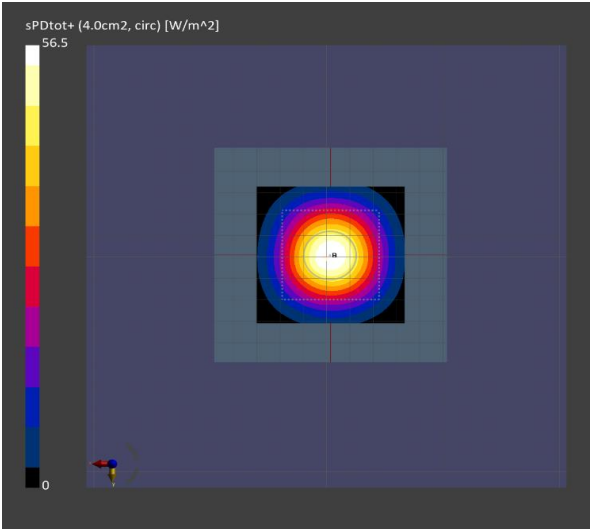
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

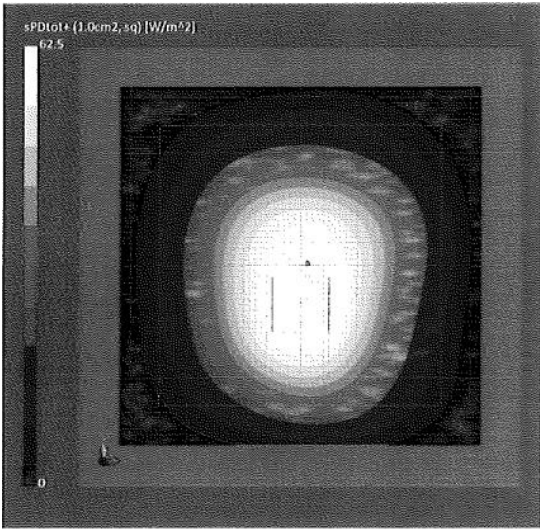
Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pStot avg [W/m²]	56.5
pSn avg [W/m²]	56.4
Epeak [V/m]	153
Deviation [dB] pStot	-0.121
Deviation [dB] pSn	-0.114



10 GHz System Verification



Calibration Certificate

Date: 08/05/2025

10 GHz Verification

Device Under Test Properties

DUT	Serial Number
10 GHz Verification Source	1006

Exposure Conditions

Phantom Section	Position	Test Distance [mm]	Band	Frequency [MHz]
5G	FRONT	10.00	Validation band	10000.0

Hardware Setup

Probe, Calibration Date	DAE, Calibration Date
EUmmWV3 – SN9407, 10/09/2024	DAE4 – SN1402, 04/10/2025

Software Setup

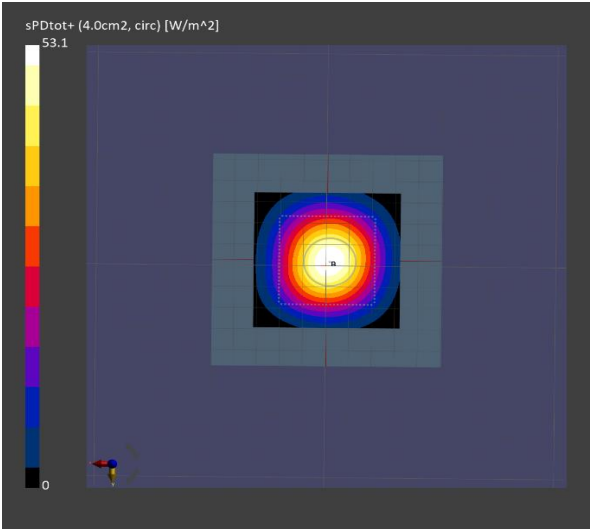
Software	Software Version
cDASY6 Module mmWave	3.2.0.1840

Scans Setup

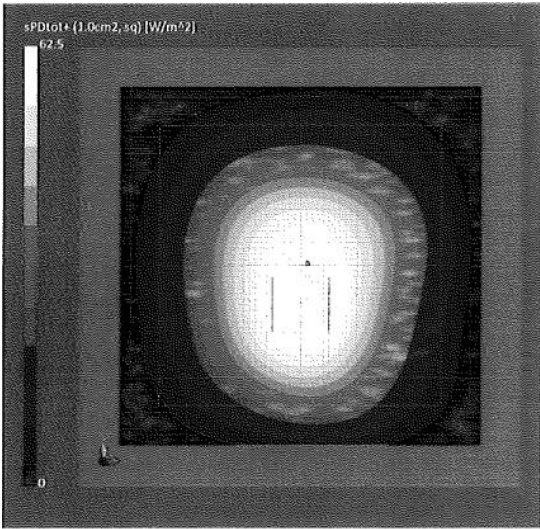
Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.125 x 0.125
Sensor Surface [mm]	10.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS _{tot} avg [W/m²]	53.1
pS _n avg [W/m²]	52.8
E _{peak} [V/m]	150
Deviation [dB] pS _{tot}	-0.391
Deviation [dB] pS _n	-0.400



10 GHz System Verification



Calibration Certificate