

APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1054

Communication System: UID: 0, CW; Frequency: 750.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 750.000$ MHz; $\text{cond} = 0.893$ S/m; $\text{perm} = 40.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 05/05/2025; Ambient Temp: 21.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7713; ConvF:(10.6,9.87,9.6); 2025-01-07

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

Electronics: DAE4 Sn1530; 2025-01-13

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

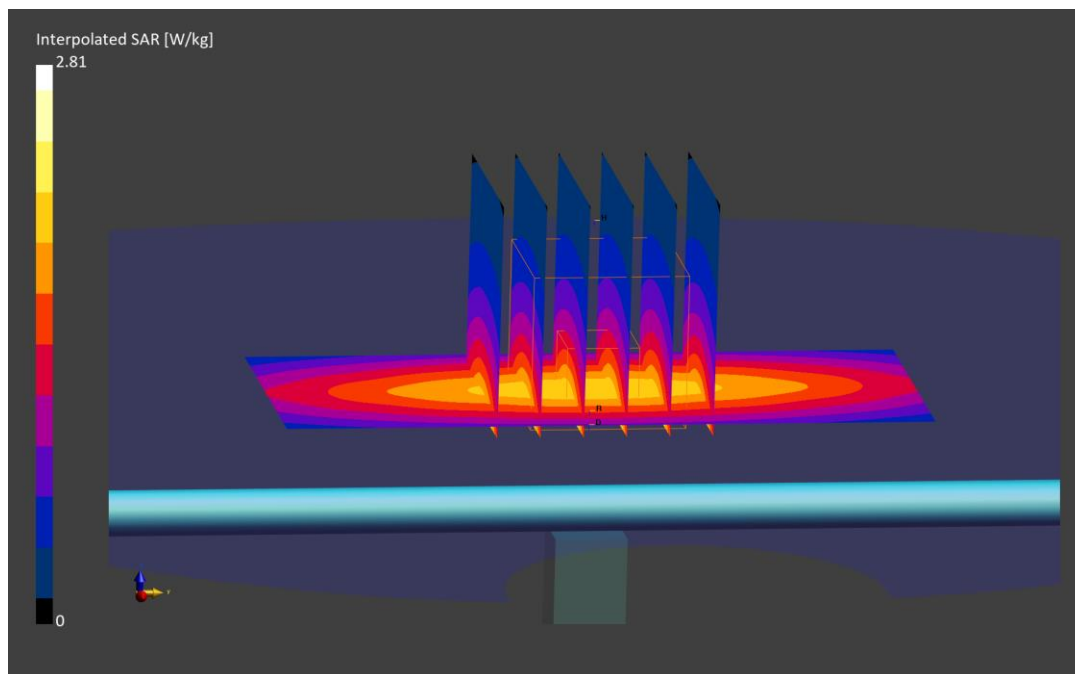
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.81 W/kg

SAR(1 g) = 1.81 W/kg; SAR(10 g) = 1.20 W/kg

Deviation (1 g) = 4.26%; Deviation (10 g) = 6.95%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1054

Communication System: UID: 0, CW; Frequency: 750.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 750.000$ MHz; $\text{cond} = 0.914$ S/m; $\text{perm} = 41.9$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 05/09/2025; Ambient Temp: 24.8°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7409; ConvF:(9.51,9.02,9.56); 2024-06-17

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

Electronics: DAE4 Sn1334; 2024-06-11

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

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

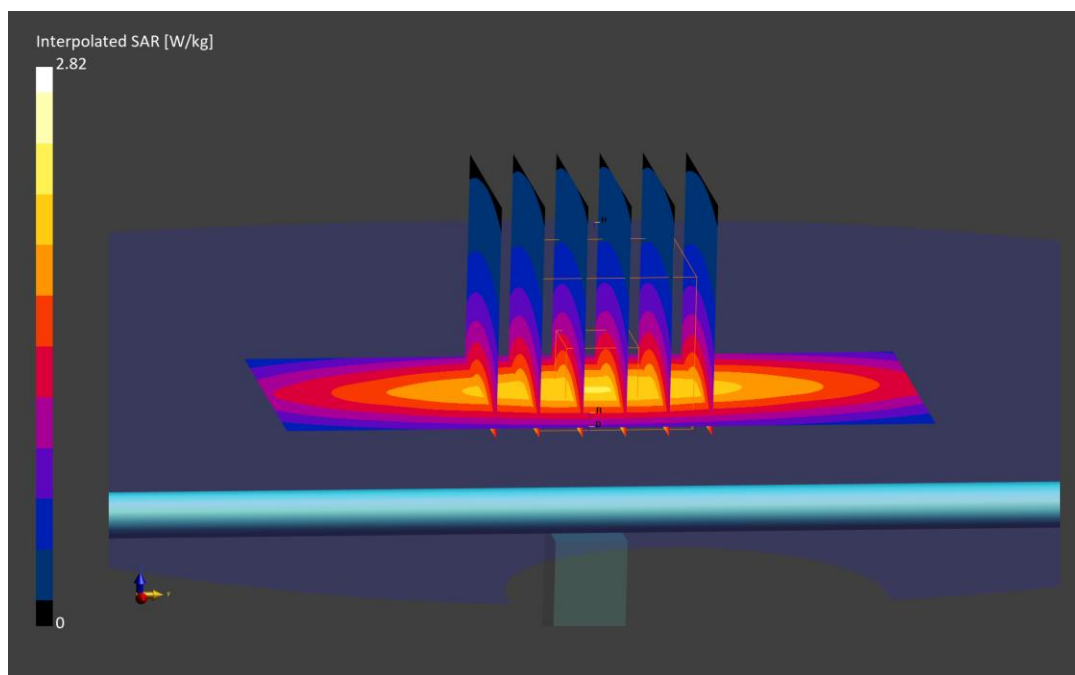
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 1.81 W/kg; SAR(10 g) = 1.18 W/kg

Deviation (1 g) = 4.26%; Deviation (10 g) = 5.17%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1054

Communication System: UID: 0, CW; Frequency: 750.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 750.000 MHz; cond = 0.878 S/m; perm = 41.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 05/14/2025; Ambient Temp: 21.9°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7713; ConvF:(10.6,9.87,9.6); 2025-01-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2025-01-13
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

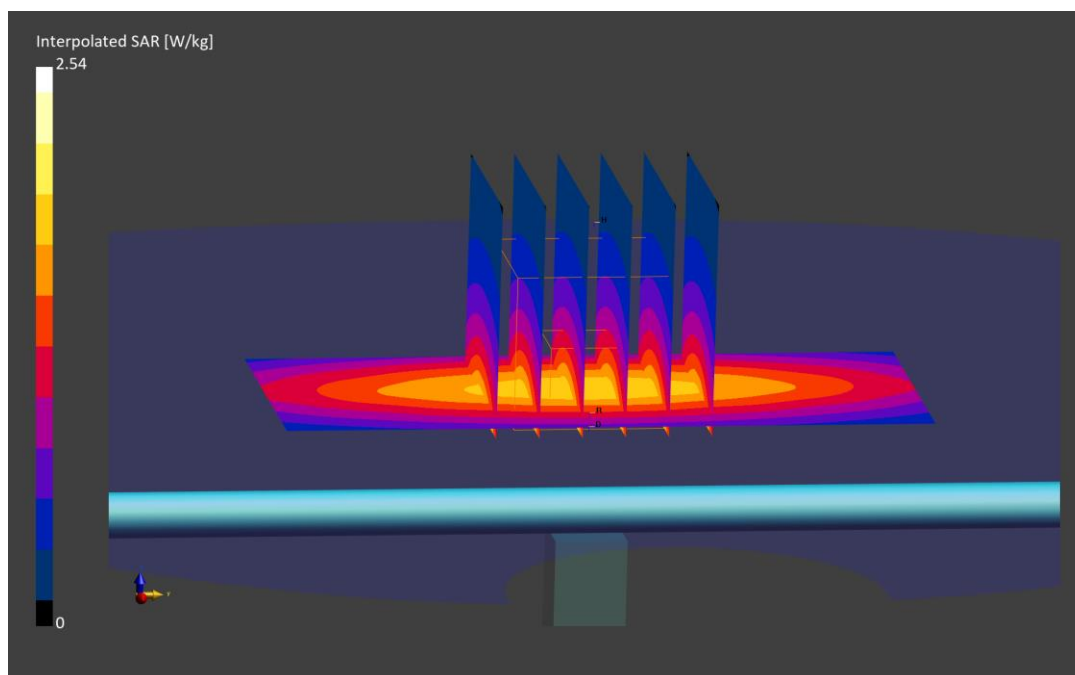
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 2.55 W/kg

SAR(1 g) = 1.64 W/kg; SAR(10 g) = 1.09 W/kg

Deviation (1 g) = -5.53%; Deviation (10 g) = -2.85%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1161

Communication System: UID: 0, CW; Frequency: 750.000 MHz

Medium: 750 Head; Medium parameters used:

f = 750.000 MHz; cond = 0.871 S/m; perm = 43.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 05/21/2025; Ambient Temp: 21.1°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7670; ConvF:(8.99,9.54,9.94); 2024-09-09

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

Electronics: DAE4 Sn1450; 2024-12-10

Phantom: Twin-SAM V8.0; Serial: 1980

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

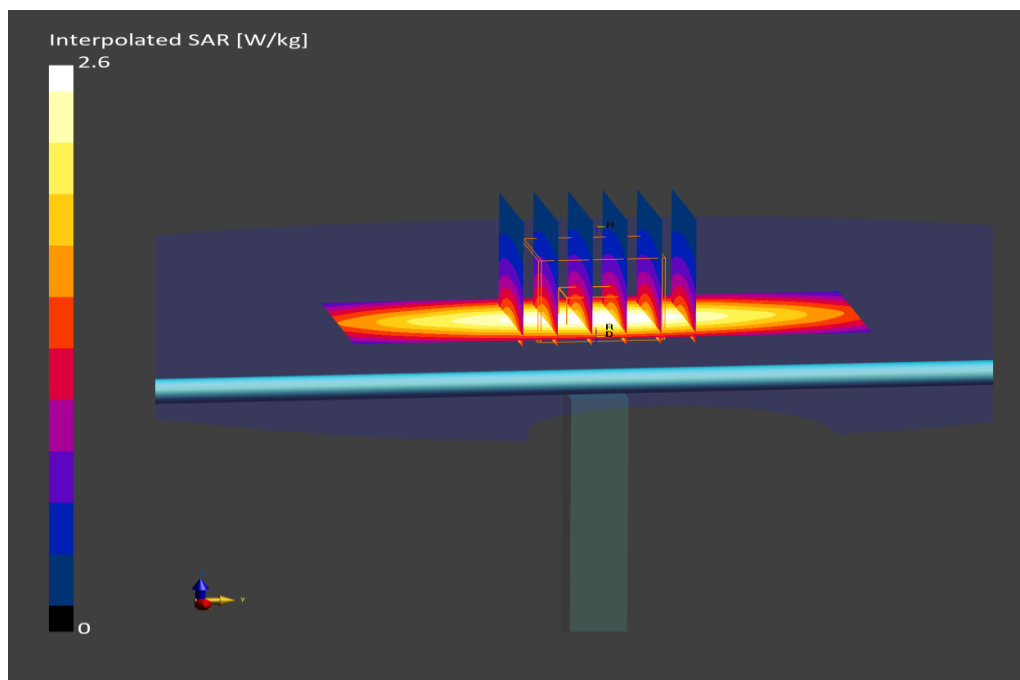
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 2.60 W/kg

SAR(1 g) = 1.73 W/kg; SAR(10 g) = 1.16 W/kg

Deviation (1 g) = 3.47%; Deviation (10 g) = 7.21%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1054

Communication System: UID: 0, CW; Frequency: 750.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 750.000$ MHz; $\text{cond} = 0.878$ S/m; $\text{perm} = 41.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 05/29/2025; Ambient Temp: 21.7°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7713; ConvF:(10.6,9.87,9.6); 2025-01-07

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

Electronics: DAE4 Sn1530; 2025-01-13

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

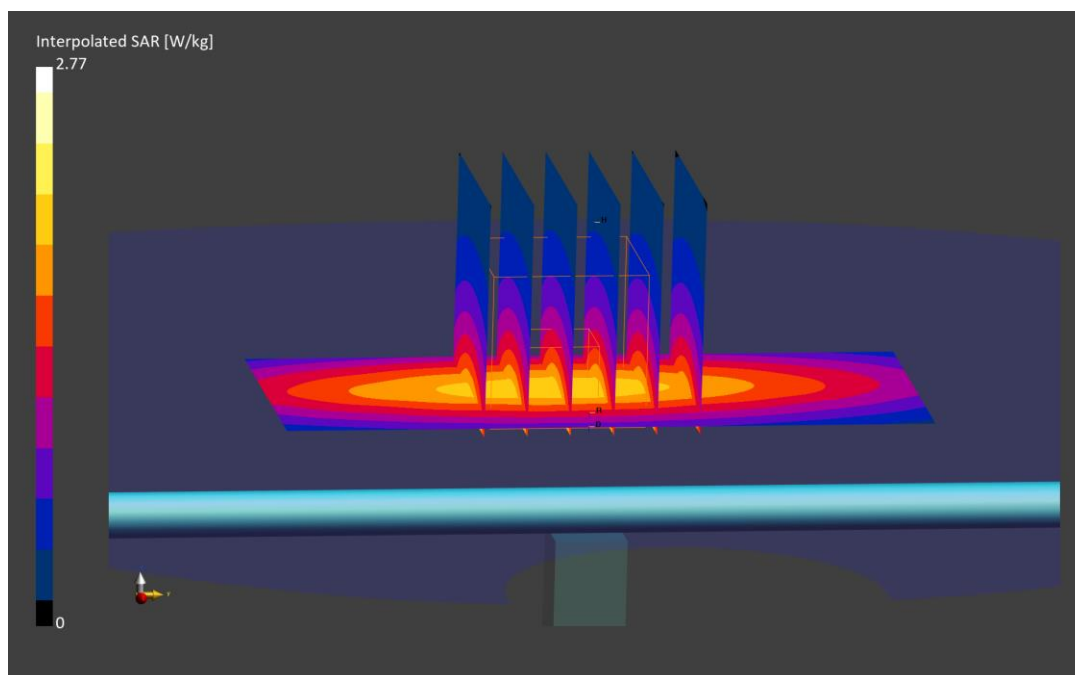
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.77 W/kg

SAR(1 g) = 1.77 W/kg; SAR(10 g) = 1.18 W/kg

Deviation (1 g) = 1.96%; Deviation (10 g) = 5.17%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1161

Communication System: UID: 0, CW; Frequency: 750.000 MHz
Medium: 750 Head; Medium parameters used:
f = 750.000 MHz; cond = 0.871 S/m; perm = 43.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 05/29/2025; Ambient Temp: 22.5°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7670; ConvF:(8.99,9.54,9.94); 2024-09-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1450; 2024-12-10
Phantom: Twin-SAM V8.0; Serial: 1980
Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

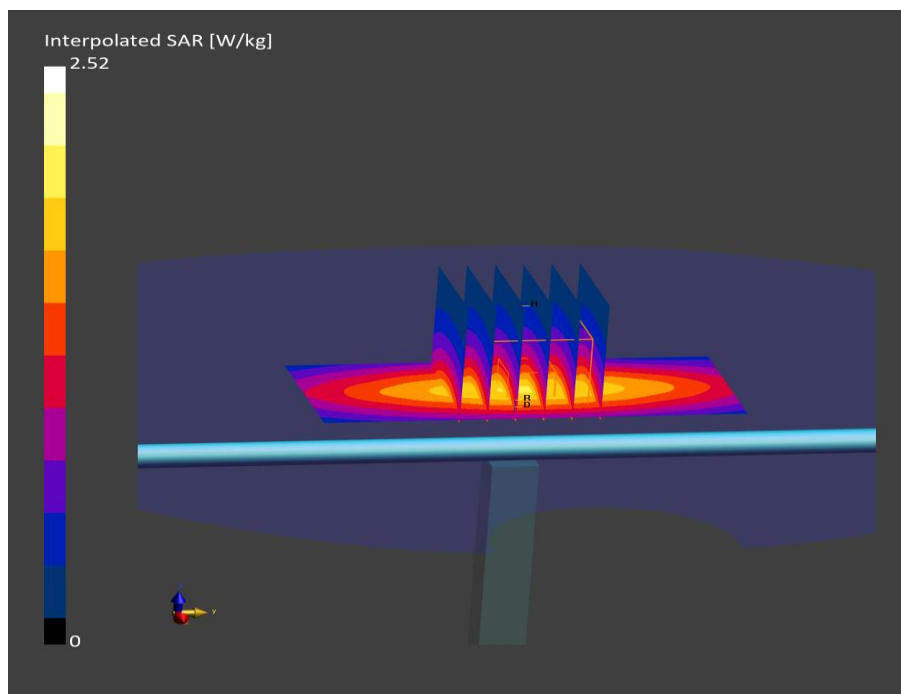
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 2.52 W/kg

SAR(1 g) = 1.67 W/kg; SAR(10 g) = 1.11 W/kg

Deviation (1 g) = -0.12%; Deviation (10 g) = 2.59%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1054

Communication System: UID: 0, CW; Frequency: 750.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 750.000 MHz; cond = 0.888 S/m; perm = 40.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 06/04/2025; Ambient Temp: 22.1°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7713; ConvF:(10.6,9.87,9.6); 2025-01-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2025-01-13
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

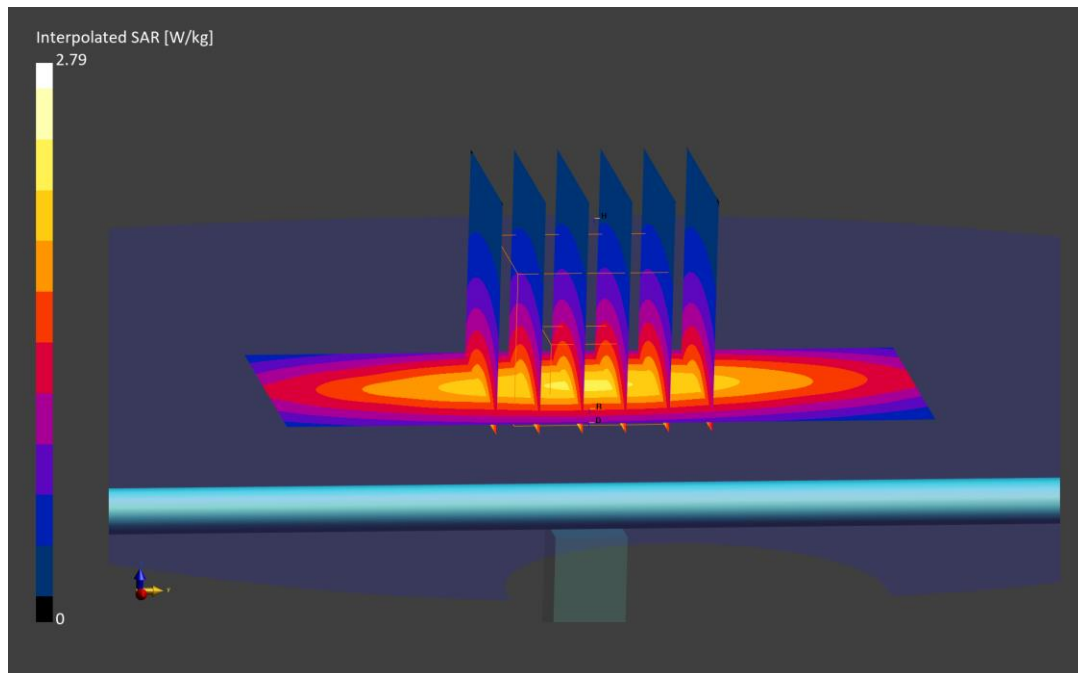
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 2.78 W/kg

SAR(1 g) = 1.84 W/kg; SAR(10 g) = 1.23 W/kg

Deviation (1 g) = 5.99%; Deviation (10 g) = 9.63%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1054

Communication System: UID: 0, CW; Frequency: 750.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 750.000 MHz; cond = 0.883 S/m; perm = 42.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/06/2025; Ambient Temp: 23.8°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7488; ConvF:(10.15,9.9,9.87); 2025-03-07

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

Electronics: DAE4 Sn1415; 2025-03-11

Phantom: ELI V8.0; Serial: 2077

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

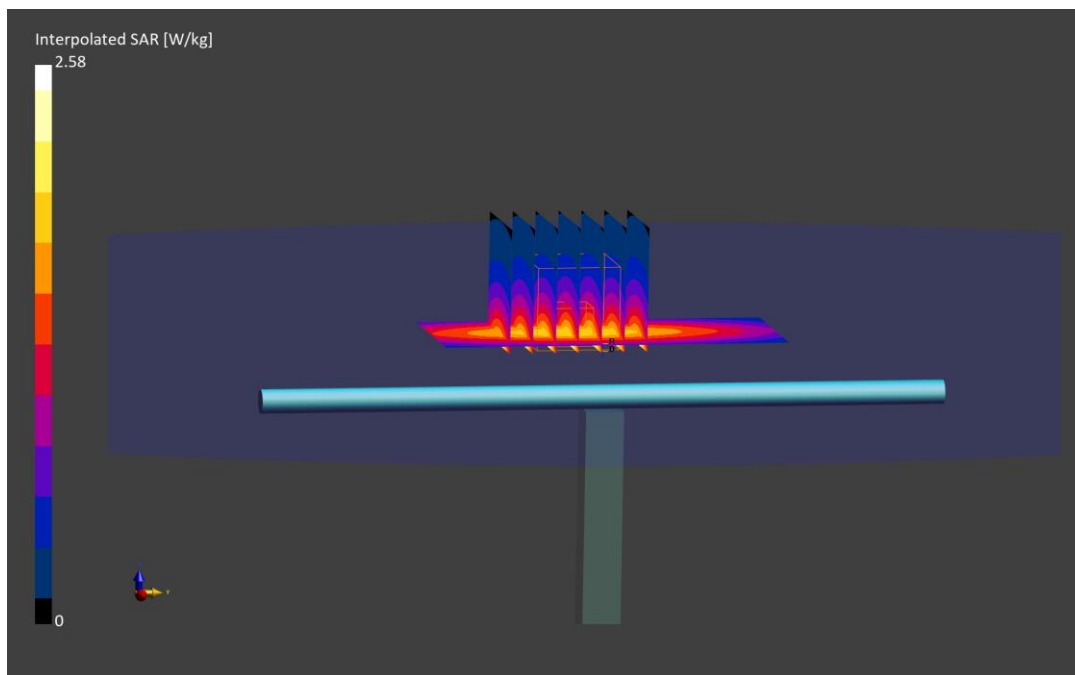
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 36.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 2.58 W/kg

SAR(1 g) = 1.65 W/kg; SAR(10 g) = 1.08 W/kg

Deviation (1 g) = -4.95%; Deviation (10 g) = -3.74%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1054

Communication System: UID: 0, CW; Frequency: 750.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 750.000$ MHz; $\text{cond} = 0.887$ S/m; $\text{perm} = 41.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/09/2025; Ambient Temp: 22.6°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7713; ConvF:(10.6,9.87,9.6); 2025-01-07

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1530; 2025-01-13

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

750.0 MHz System Verification at 23.0 dBm (200 mW)

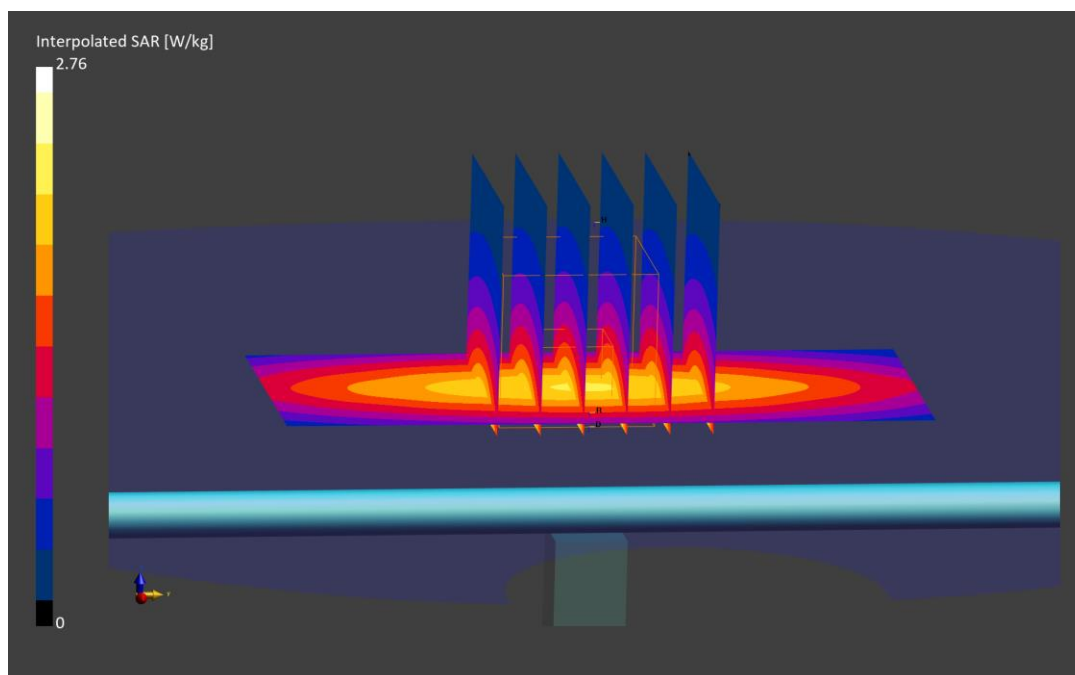
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 2.76 W/kg

SAR(1 g) = 1.84 W/kg; SAR(10 g) = 1.23 W/kg

Deviation (1 g) = 5.99%; Deviation (10 g) = 9.63%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d133

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

Medium: Head Simulating Liquid; Medium parameters used:

$f = 835.000$ MHz; $\text{cond} = 0.906$ S/m; $\text{perm} = 41.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 05/14/2025; Ambient Temp: 21.9°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7713; ConvF:(10.56,9.83,9.56); 2025-01-07

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

Electronics: DAE4 Sn1530; 2025-01-13

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

835.0 MHz System Verification at 23.0 dBm (200 mW)

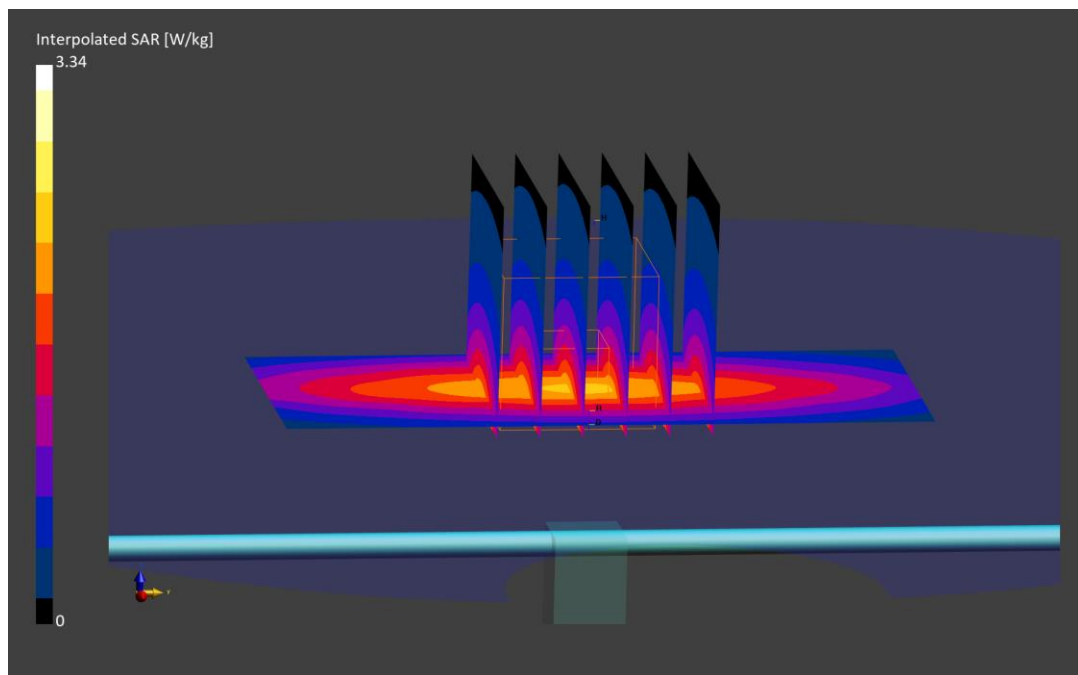
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 3.34 W/kg

SAR(1 g) = 1.95 W/kg; SAR(10 g) = 1.21 W/kg

Deviation (1 g) = -1.91%; Deviation (10 g) = -6.78%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d133

Communication System: UID: 0, CW; Frequency: 835.000 MHz
Medium: 750 Head; Medium parameters used:
f = 835.000 MHz; cond = 0.900 S/m; perm = 43.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 05/21/2025; Ambient Temp: 21.1°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7670; ConvF:(8.71,9.24,9.62); 2024-09-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1450; 2024-12-10
Phantom: Twin-SAM V8.0; Serial: 1980
Measurement SW: DASY Module SAR V16.4.0.5005

835.0 MHz System Verification at 23.0 dBm (200 mW)

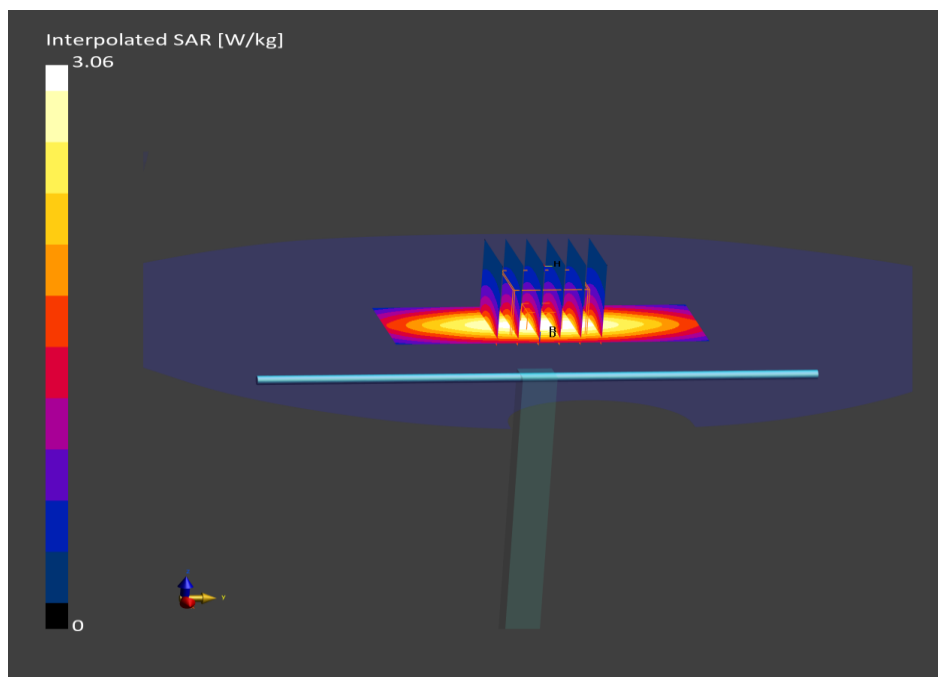
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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

Peak SAR (extrapolated) = 3.06 W/kg

SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.36 W/kg

Deviation (1 g) = 3.12%; Deviation (10 g) = 4.78%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d132

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

Medium: Head Simulating Liquid; Medium parameters used:

f = 835.000 MHz; cond = 0.899 S/m; perm = 41.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 05/21/2025; Ambient Temp: 23.6°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7713; ConvF:(10.56,9.83,9.56); 2025-01-07

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

Electronics: DAE4 Sn1530; 2025-01-13

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

835.0 MHz System Verification at 23.0 dBm (200 mW)

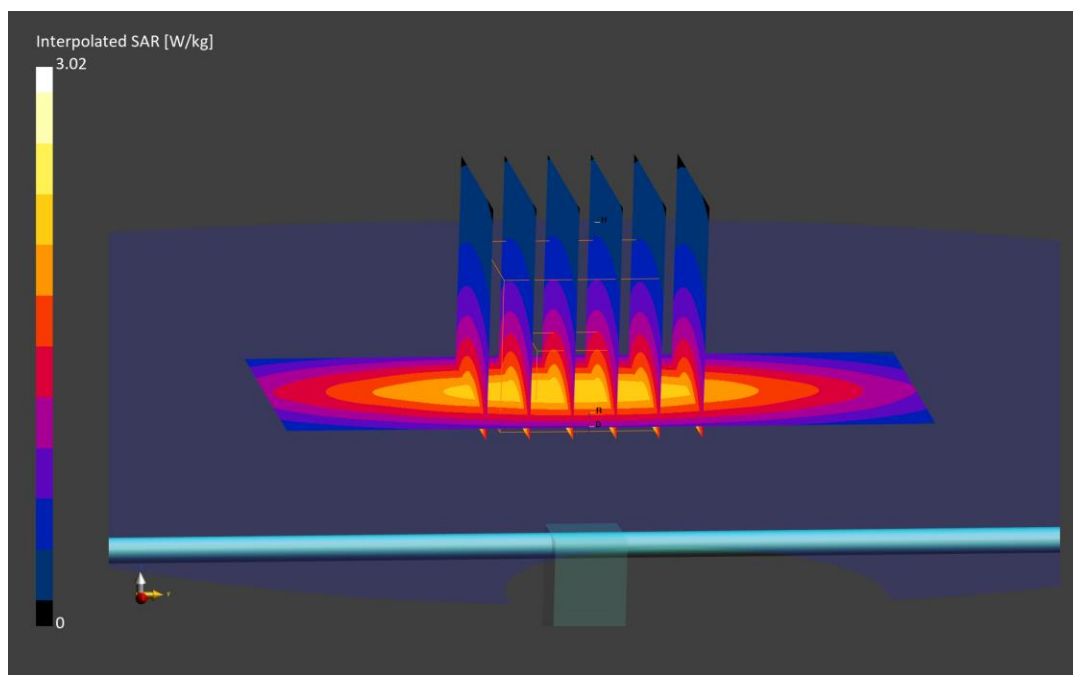
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 3.02 W/kg

SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.30 W/kg

Deviation (1 g) = 0.10%; Deviation (10 g) = 1.56%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d132

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

Medium: Head Simulating Liquid; Medium parameters used:

$f = 835.000$ MHz; $\text{cond} = 0.925$ S/m; $\text{perm} = 40.7$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/02/2025; Ambient Temp: 22.3°C; Tissue Temp: 24.2°C

Probe: EX3DV4 - SN7713; ConvF:(10.56,9.83,9.56); 2025-01-07

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

Electronics: DAE4 Sn1530; 2025-01-13

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

835.0 MHz System Verification at 23.0 dBm (200 mW)

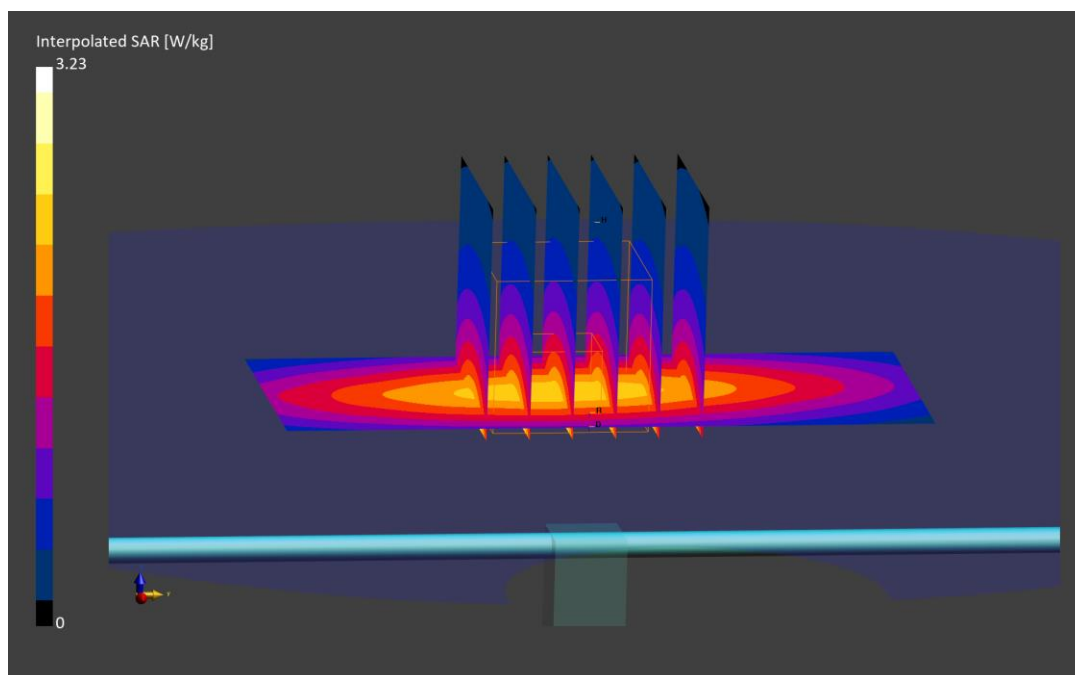
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 3.23 W/kg

SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.36 W/kg

Deviation (1 g) = 4.67%; Deviation (10 g) = 6.25%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d132

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

Medium: Head Simulating Liquid; Medium parameters used:
f = 835.000 MHz; cond = 0.898 S/m; perm = 40.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/04/2025; Ambient Temp: 24.1°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN7488; ConvF:(9.92,9.67,9.65); 2025-03-07

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

Electronics: DAE4 Sn1415; 2025-03-11

Phantom: ELI V8.0; Serial: 2077

Measurement SW: DASY Module SAR V16.4.0.5005

835.0 MHz System Verification at 23.0 dBm (200 mW)

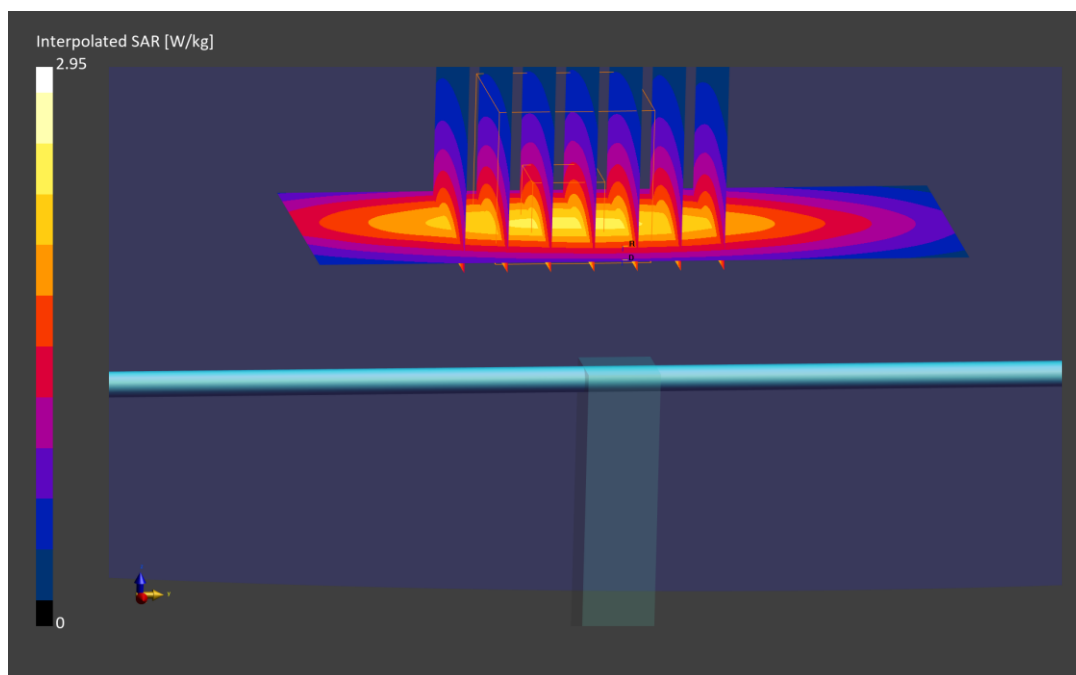
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 36.0 x 31.2): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 2.95 W/kg

SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.28 W/kg

Deviation (1 g) = -0.41%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d132

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

Medium: Head Simulating Liquid; Medium parameters used:

f = 835.000 MHz; cond = 0.910 S/m; perm = 42.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 06/06/2025; Ambient Temp: 23.8°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7488; ConvF:(9.92,9.67,9.65); 2025-03-07

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

Electronics: DAE4 Sn1415; 2025-03-11

Phantom: ELI V8.0; Serial: 2077

Measurement SW: DASY Module SAR V16.4.0.5005

835.0 MHz System Verification at 23.0 dBm (200 mW)

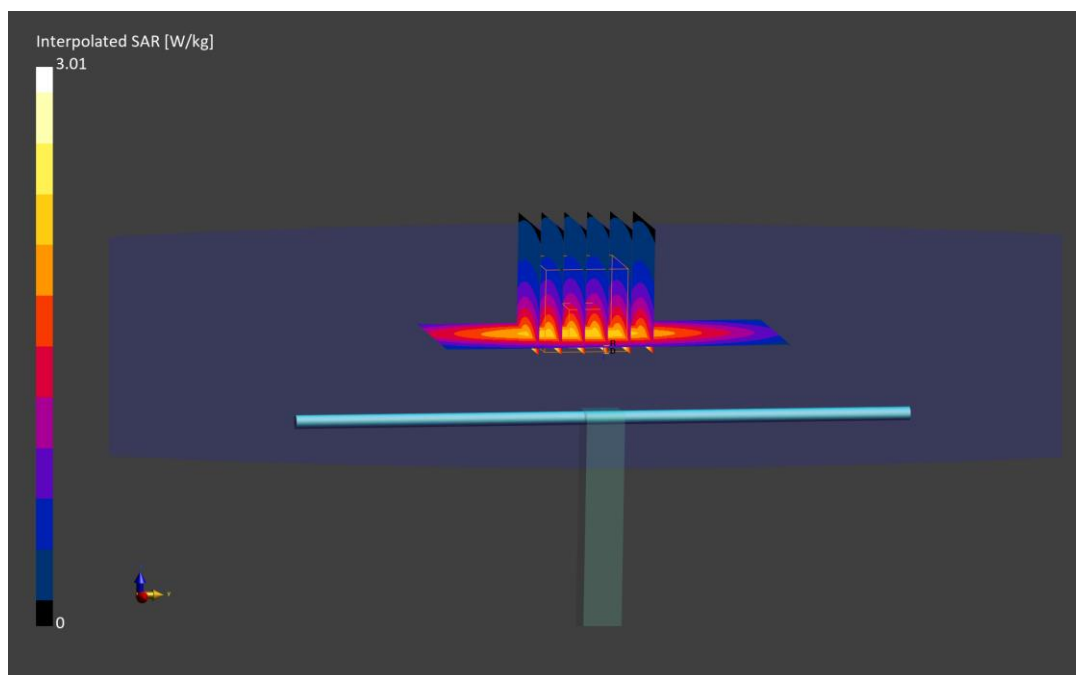
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 3.01 W/kg

SAR(1 g) = 1.92 W/kg; SAR(10 g) = 1.25 W/kg

Deviation (1 g) = -2.44%; Deviation (10 g) = -2.34%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1148

Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 1750.000 MHz; cond = 1.32 S/m; perm = 39.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 04/28/2025; Ambient Temp: 20.7°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7713; ConvF:(8.88,8.27,8.04); 2025-01-07
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1530; 2025-01-13
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.4.0.5005

1750.0 MHz System Verification at 20.0 dBm (100 mW)

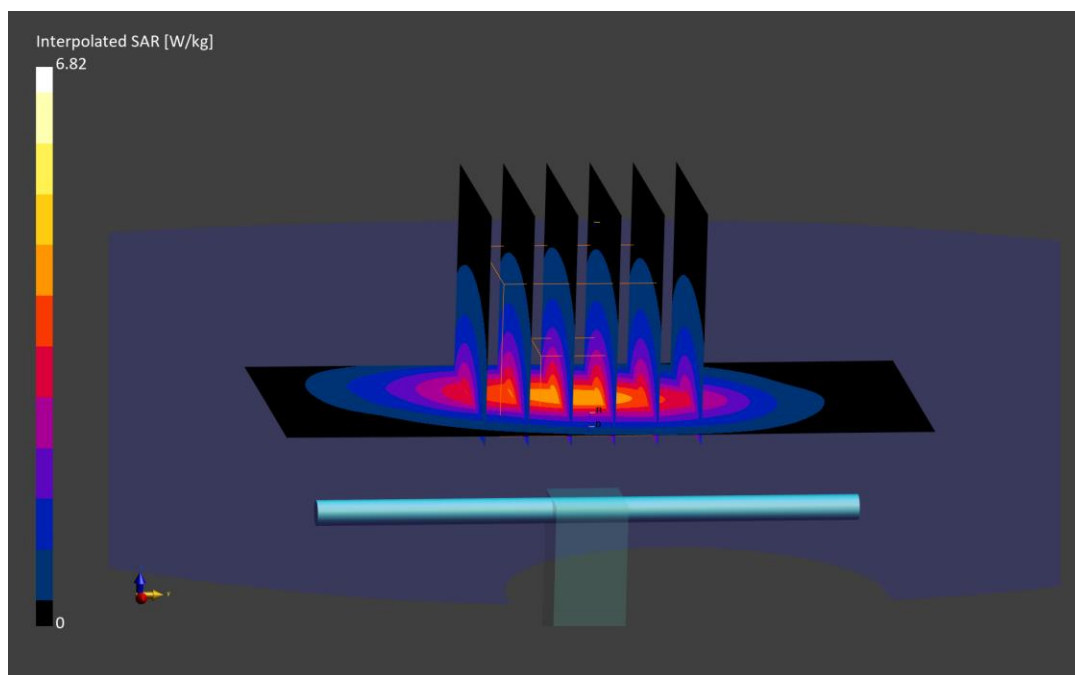
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 6.82 W/kg

SAR(1 g) = 3.70 W/kg; SAR(10 g) = 2.00 W/kg

Deviation (1 g) = 0.27%; Deviation (10 g) = 2.04%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1150

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

Test Date: 04/30/2025; Ambient Temp: 21.4°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(7.91,7.48,8.34); 2024-07-05
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; 2024-07-08
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.4.0.5005

1750.0 MHz System Verification at 20.0 dBm (100 mW)

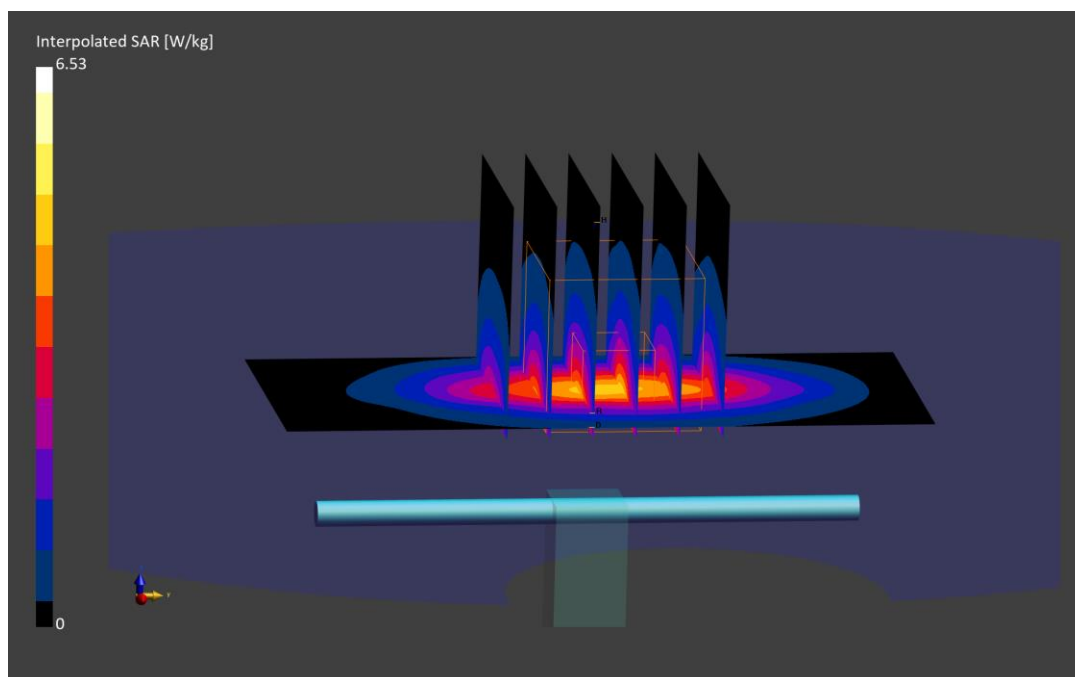
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 6.53 W/kg

SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.96 W/kg

Deviation (1 g) = 1.10%; Deviation (10 g) = 1.03%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1148

Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 1750.000 MHz; cond = 1.31 S/m; perm = 39.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/09/2025; Ambient Temp: 23.3°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7488; ConvF:(8.62,8.4,8.38); 2025-03-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; 2025-03-11
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.4.0.5005

1750.0 MHz System Verification at 20.0 dBm (100 mW)

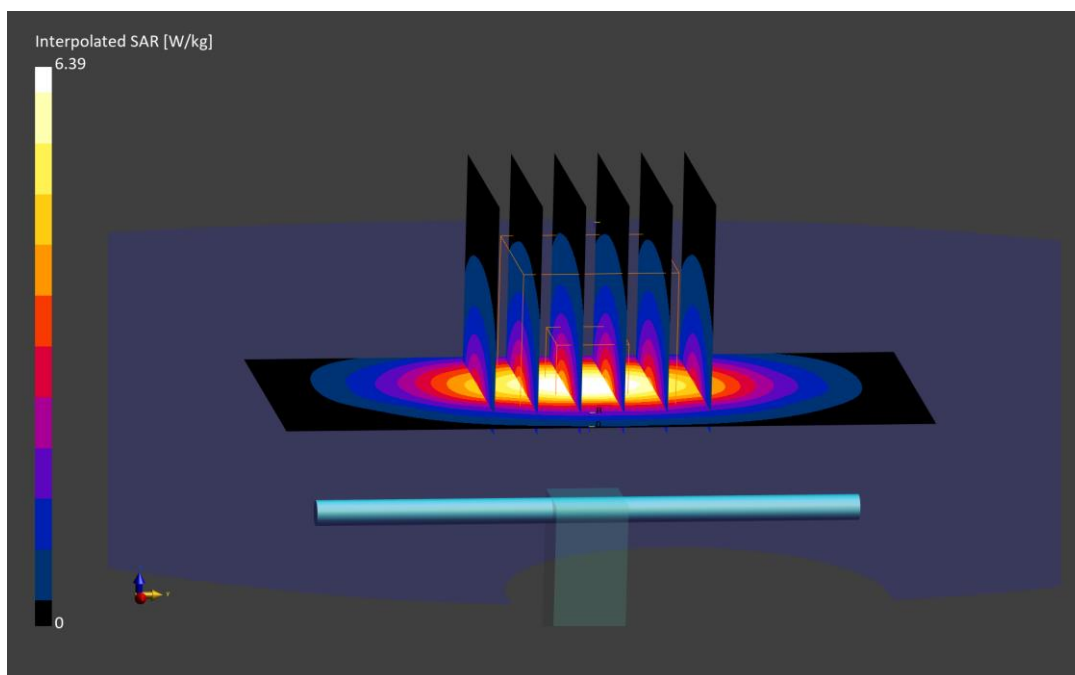
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 6.39 W/kg

SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.95 W/kg

Deviation (1 g) = -1.90%; Deviation (10 g) = -0.51%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1150

Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 1750.000 MHz; cond = 1.31 S/m; perm = 41.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 5/27/2025; Ambient Temp: 21.7°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7713; ConvF:(8.88,8.27,8.04); 2025-01-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2025-01-13
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.4.0.5005

1750.0 MHz System Verification at 20.0 dBm (100 mW)

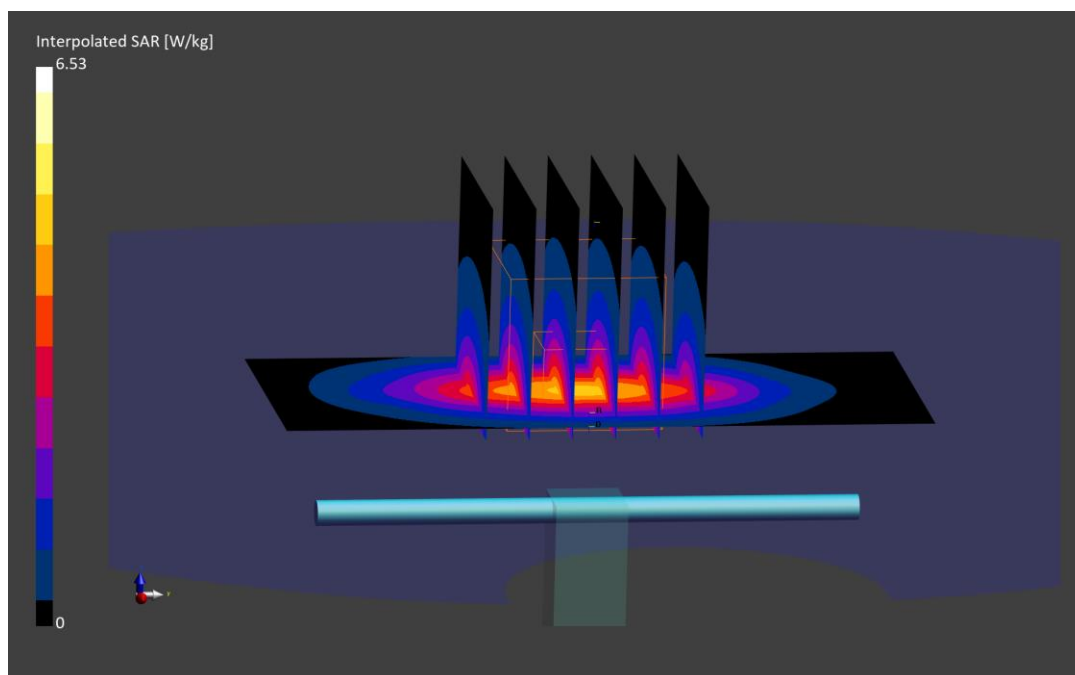
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 6.53 W/kg

SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.99 W/kg

Deviation (1 g) = 0.55%; Deviation (10 g) = 2.58%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d148

Communication System: UID: 0, CW; Frequency: 1900.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 1900.000$ MHz; $\text{cond} = 1.45$ S/m; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 04/23/2025; Ambient Temp: 21.5°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7660; ConvF:(8.21,8.02,8.64); 2024-05-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.4.0.5005

1900.0 MHz System Verification at 20.0 dBm (100 mW)

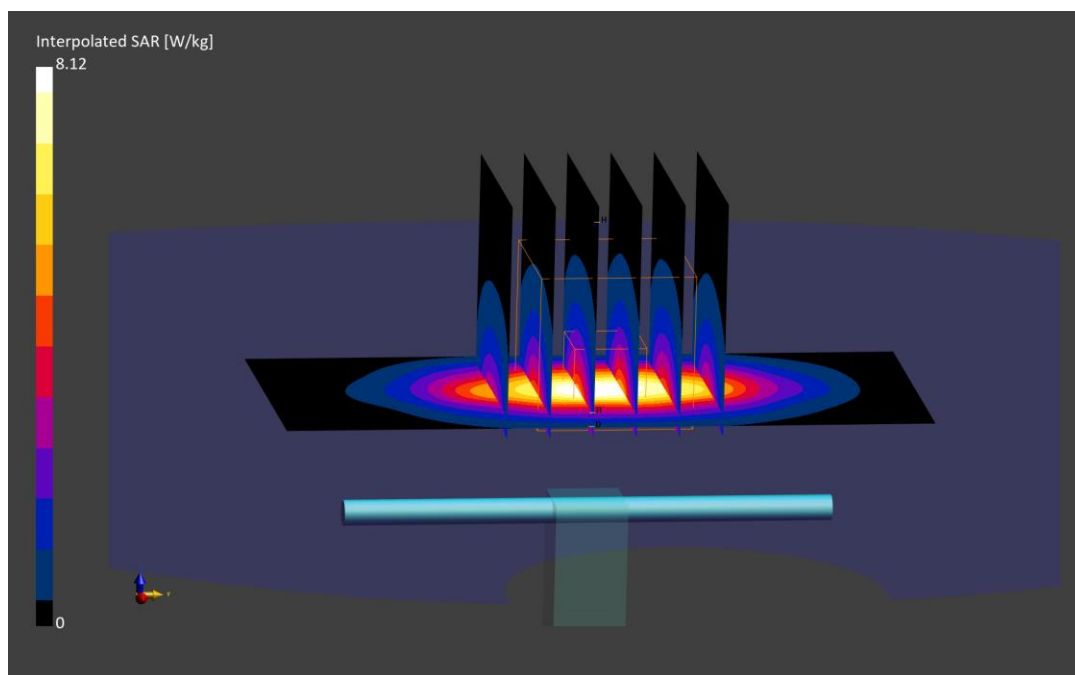
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 8.12 W/kg

SAR(1 g) = 4.28 W/kg; SAR(10 g) = 2.20 W/kg

Deviation (1 g) = 8.08%; Deviation (10 g) = 5.26%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d148

Communication System: UID: 0, CW; Frequency: 1900.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 1900.000 MHz; cond = 1.39 S/m; perm = 41.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 5/27/2025; Ambient Temp: 21.7°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7713; ConvF:(8.56,7.97,7.75); 2025-01-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2025-01-13
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.4.0.5005

1900.0 MHz System Verification at 20.0 dBm (100 mW)

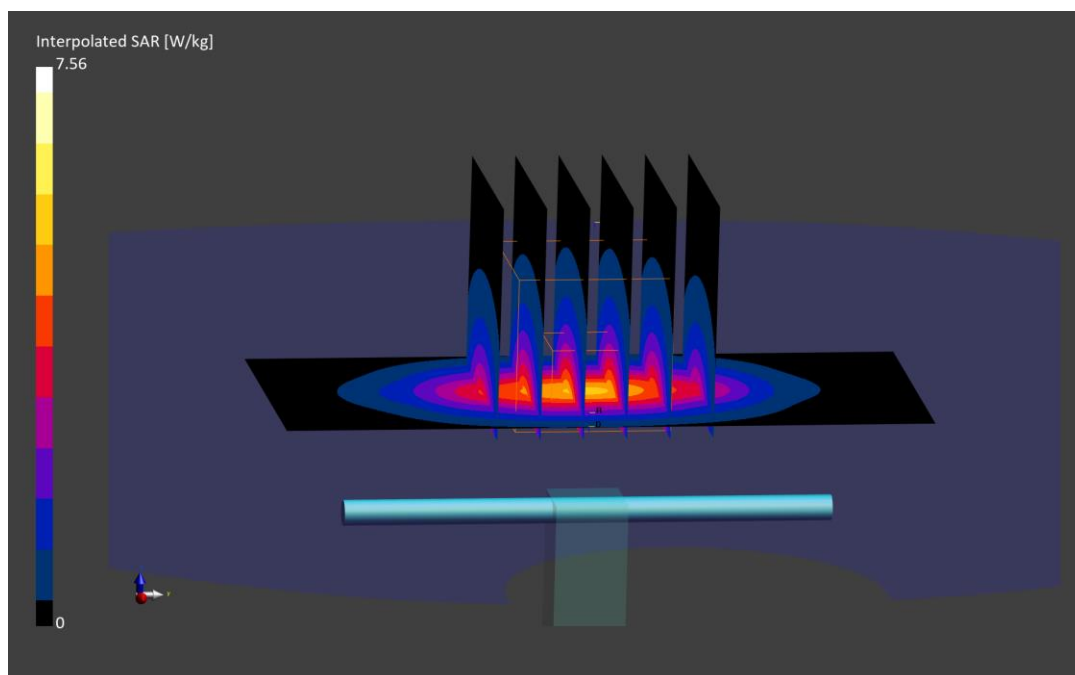
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 7.56 W/kg

SAR(1 g) = 4.13 W/kg; SAR(10 g) = 2.17 W/kg

Deviation (1 g) = 4.29%; Deviation (10 g) = 3.83%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d080

Communication System: UID: 0, CW; Frequency: 1900.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1900.000 MHz; cond = 1.44 S/m; perm = 39.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/06/2025; Ambient Temp: 23.0°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7417; ConvF:(7.89,7.4,7.5); 2025-02-12

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn665; 2025-02-06

Phantom: ELI V4.0; Serial: 1202

Measurement SW: DASY Module SAR V16.4.0.5005

1900.0 MHz System Verification at 20.0 dBm (100 mW)

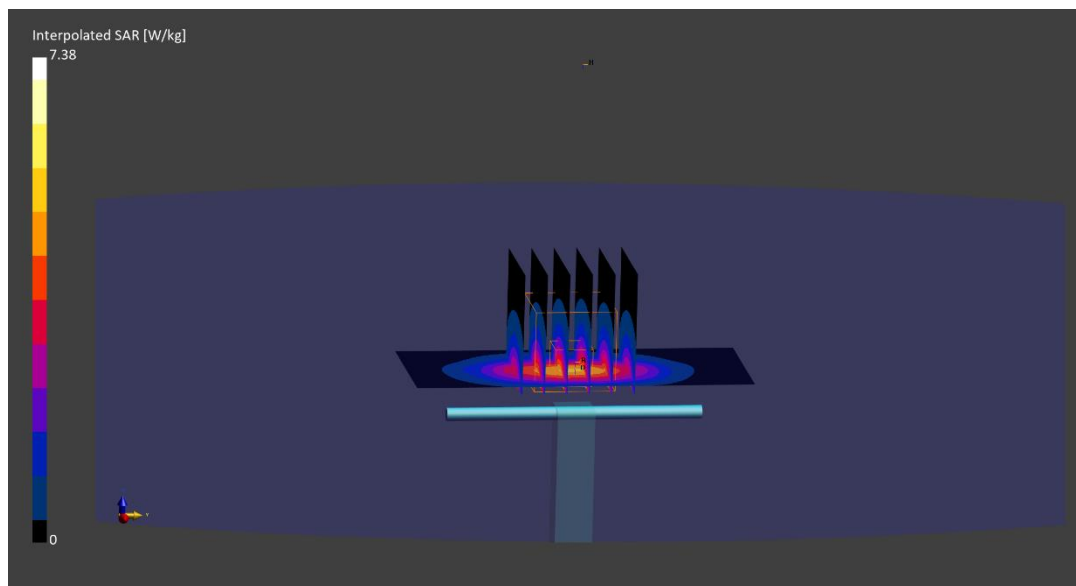
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 7.38 W/kg

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 2.13 W/kg

Deviation (1 g) = 3.79%; Deviation (10 g) = 2.90%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d149

Communication System: UID: 0, CW; Frequency: 1900.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 1900.000$ MHz; $\text{cond} = 1.40$ S/m; $\text{perm} = 41.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/09/2025; Ambient Temp: 22.5°C; Tissue Temp: 22.8°C

Probe: EX3DV4 - SN7488; ConvF:(8.16,7.95,7.93); 2025-03-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; 2025-03-11
Phantom: ELI V8.0; Serial: 2077
Measurement SW: DASY Module SAR V16.4.0.5005

1900.0 MHz System Verification at 20.0 dBm (100 mW)

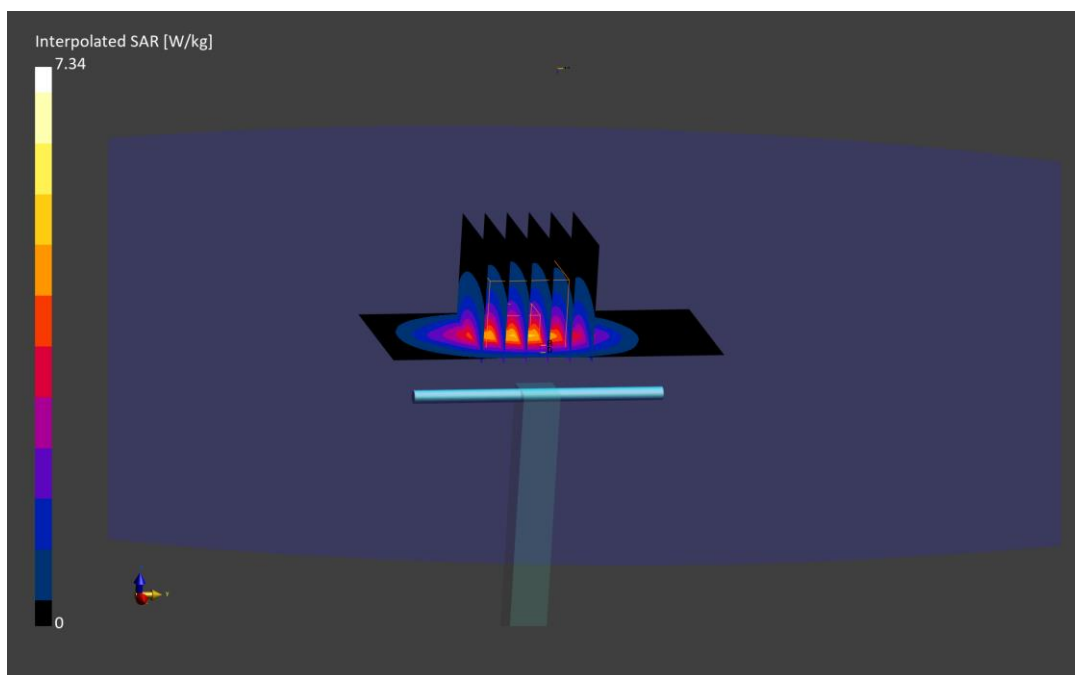
Area Scan (40.0 x 90.0): Measurement grid: $\text{dx}=10.0$ mm, $\text{dy}=15.0$ mm

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) = 7.34 W/kg

SAR(1 g) = 4.05 W/kg; SAR(10 g) = 2.13 W/kg

Deviation (1 g) = 3.58%; Deviation (10 g) = 2.90%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d080

Communication System: UID: 0, CW; Frequency: 1900.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 1900.000$ MHz; $\text{cond} = 1.43$ S/m; $\text{perm} = 39.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/09/2025; Ambient Temp: 22.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7659; ConvF:(8.38,8.04,8.14); 2025-04-07

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

Electronics: DAE4 Sn1272; 2025-04-10

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

Measurement SW: DASY Module SAR V16.4.0.5005

1900.0 MHz System Verification at 20.0 dBm (100 mW)

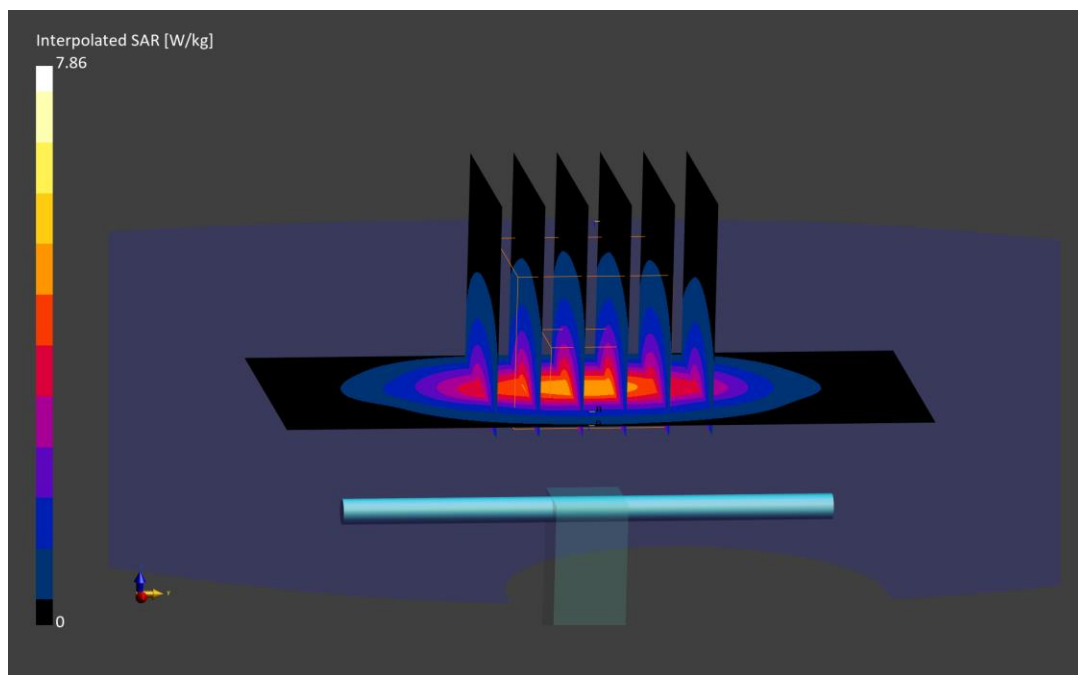
Area Scan (40.0 x 90.0): Measurement grid: $dx=10.0$ mm, $dy=15.0$ mm

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) = 7.86 W/kg

SAR(1 g) = 4.14 W/kg; SAR(10 g) = 2.15 W/kg

Deviation (1 g) = 4.55%; Deviation (10 g) = 3.86%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d149

Communication System: UID: 0, CW; Frequency: 1900.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 1900.000 MHz; cond = 1.36 S/m; perm = 40.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/24/2025; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7488; ConvF:(8.16,7.95,7.93); 2025-03-07

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn1415; 2025-03-11

Phantom: ELI V8.0; Serial: 2077

Measurement SW: DASY Module SAR V16.4.0.5005

1900.0 MHz System Verification at 20.0 dBm (100 mW)

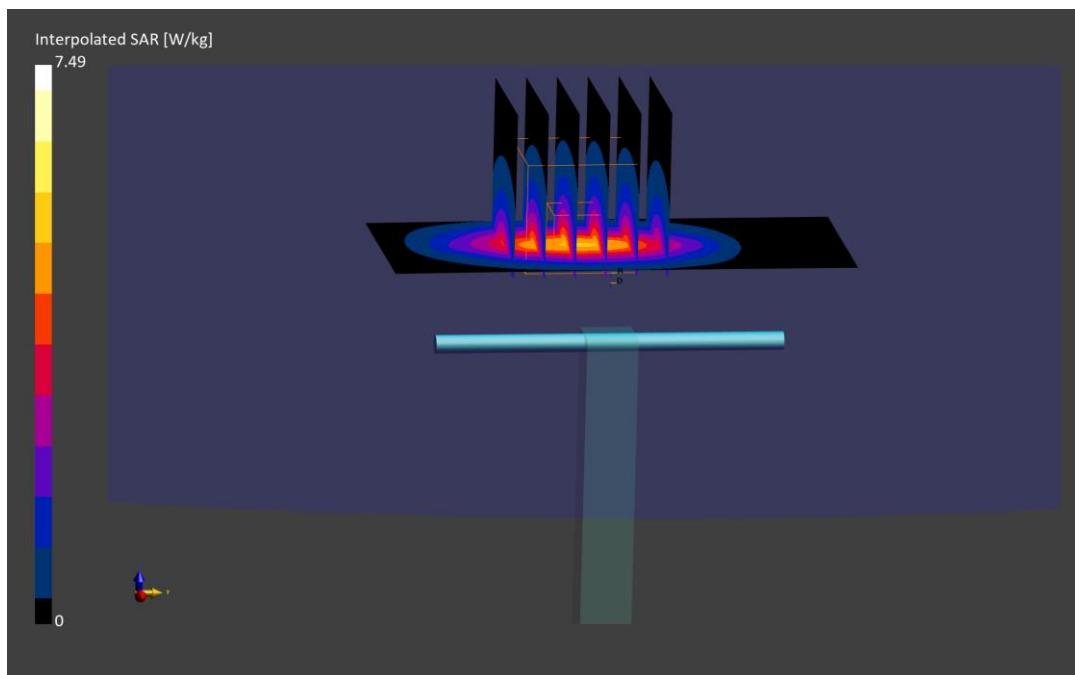
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 7.49 W/kg

SAR(1 g) = 4.21 W/kg; SAR(10 g) = 2.23 W/kg

Deviation (1 g) = 7.67%; Deviation (10 g) = 7.73%



ELEMENT

DUT: Dipole 2300.000 MHz; Type: D2300V2 - SN1116

Communication System: UID: 0, CW; Frequency: 2300.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 2300.000$ MHz; $\text{cond} = 1.72$ S/m; $\text{perm} = 38.2$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 04/23/2025; Ambient Temp: 22.9°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.52,7.13,7.56); 2024-06-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2024-06-11
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.4.0.5005

2300.0 MHz System Verification at 20.0 dBm (100 mW)

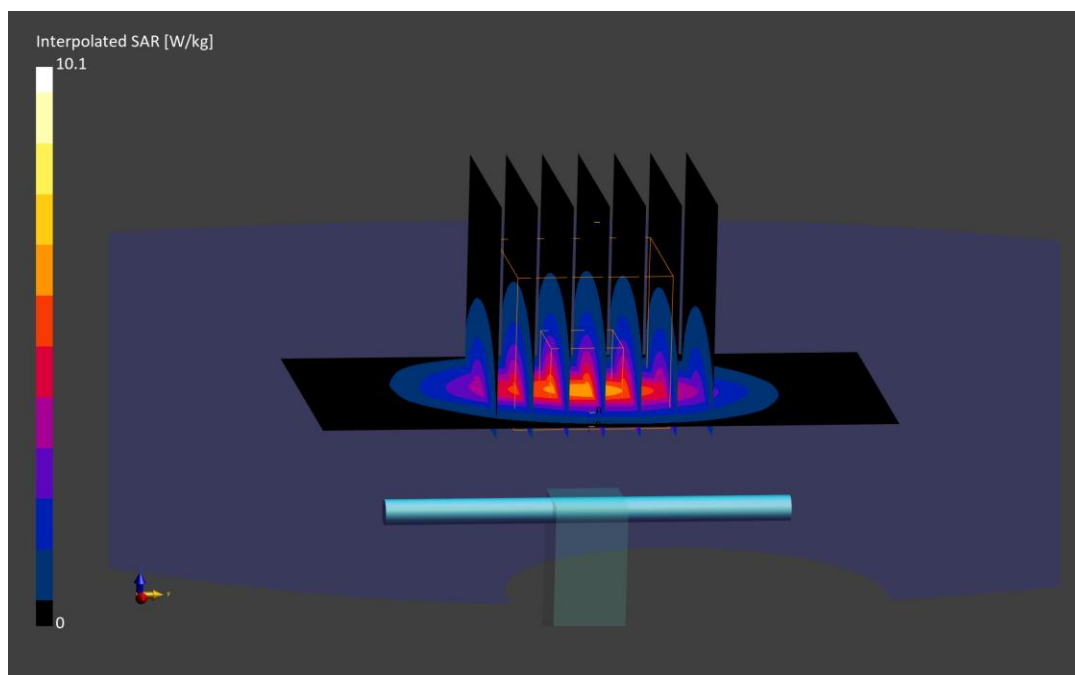
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 10.1 W/kg

SAR(1 g) = 5.07 W/kg; SAR(10 g) = 2.43 W/kg

Deviation (1 g) = 3.05%; Deviation (10 g) = 1.67%



ELEMENT

DUT: Dipole 2300.000 MHz; Type: D2300V2 - SN1116

Communication System: UID: 0, CW; Frequency: 2300.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 2300.000 MHz; cond = 1.74 S/m; perm = 41.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 04/28/2025; Ambient Temp: 22.7°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.52,7.13,7.56); 2024-06-17

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

Electronics: DAE4 Sn1334; 2024-06-11

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

Measurement SW: DASY Module SAR V16.4.0.5005

2300.0 MHz System Verification at 20.0 dBm (100 mW)

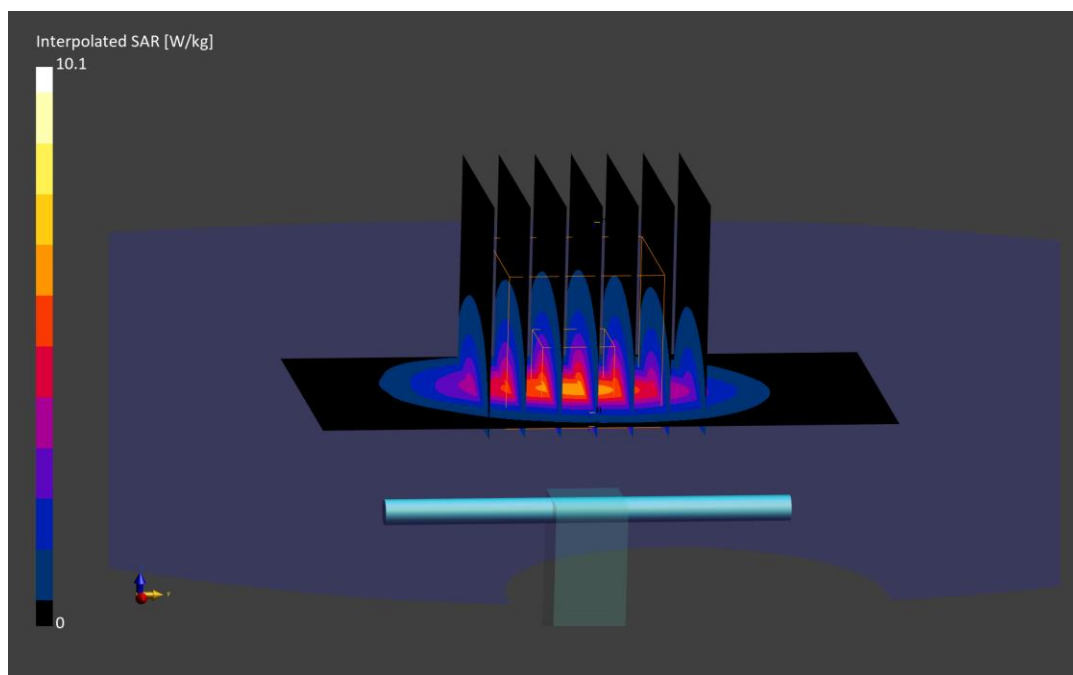
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 10.1 W/kg

SAR(1 g) = 5.05 W/kg; SAR(10 g) = 2.42 W/kg

Deviation (1 g) = 2.64%; Deviation (10 g) = 1.26%



ELEMENT

DUT: Dipole 2300.000 MHz; Type: D2300V2 - SN1116

Communication System: UID: 0, CW; Frequency: 2300.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 2300.000$ MHz; $\text{cond} = 1.70$ S/m; $\text{perm} = 39.6$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/05/2025; Ambient Temp: 24.3°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7417; ConvF:(7.26,6.8,6.9); 2025-02-12
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn665; 2025-02-06
Phantom: ELI V4.0; Serial: 1202
Measurement SW: DASY Module SAR V16.4.0.5005

2300.0 MHz System Verification at 20.0 dBm (100 mW)

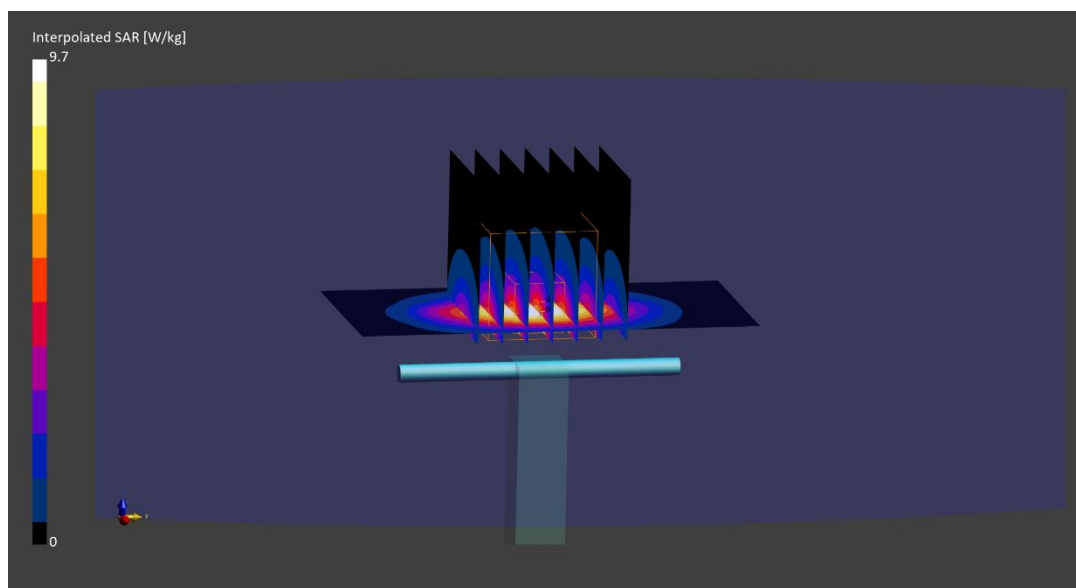
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 9.70 W/kg

SAR(1 g) = 5.02 W/kg; SAR(10 g) = 2.41 W/kg

Deviation (1 g) = 2.03%; Deviation (10 g) = 0.84%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN797

Communication System: UID: 0, CW; Frequency: 2450.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 2450.000 MHz; cond = 1.83 S/m; perm = 37.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 04/23/2025; Ambient Temp: 22.9°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.27,6.9,7.31); 2024-06-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2024-06-11
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

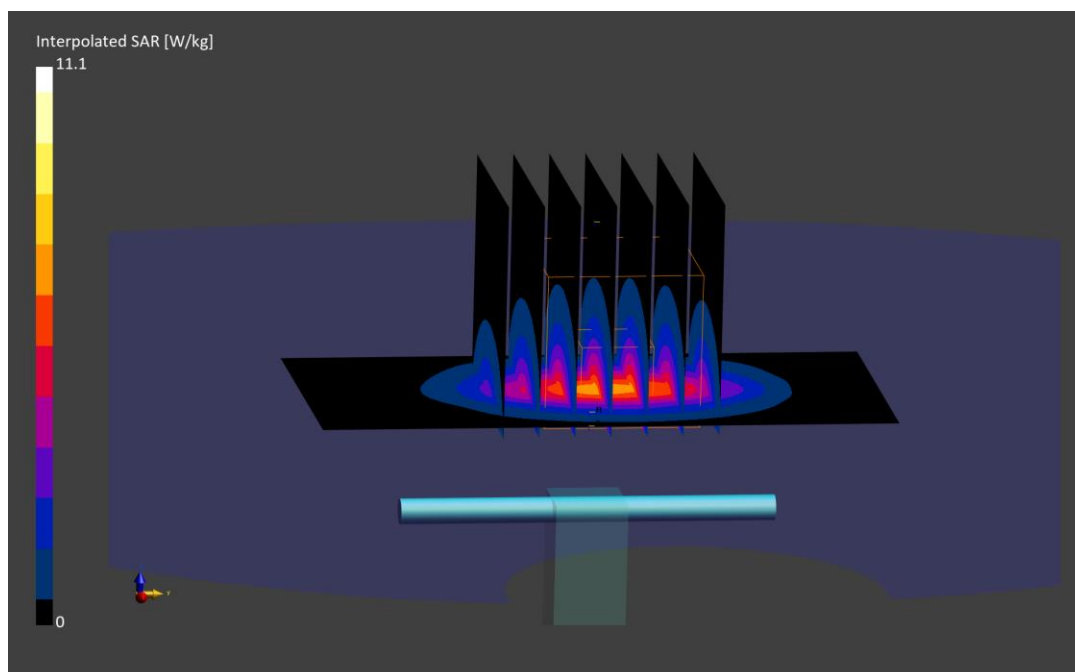
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 11.1 W/kg

SAR(1 g) = 5.37 W/kg; SAR(10 g) = 2.50 W/kg

Deviation (1 g) = 3.27%; Deviation (10 g) = 2.46%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN719

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

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2450.000$ MHz; $\text{cond} = 1.83$ S/m; $\text{perm} = 38.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 05/02/2025; Ambient Temp: 20.8°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7571; ConvF:(6.49,7.88,6.95); 2025-01-08

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

Electronics: DAE4 Sn859; 2025-01-13

Phantom: Twin-SAM V5.0; Serial: 1792

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

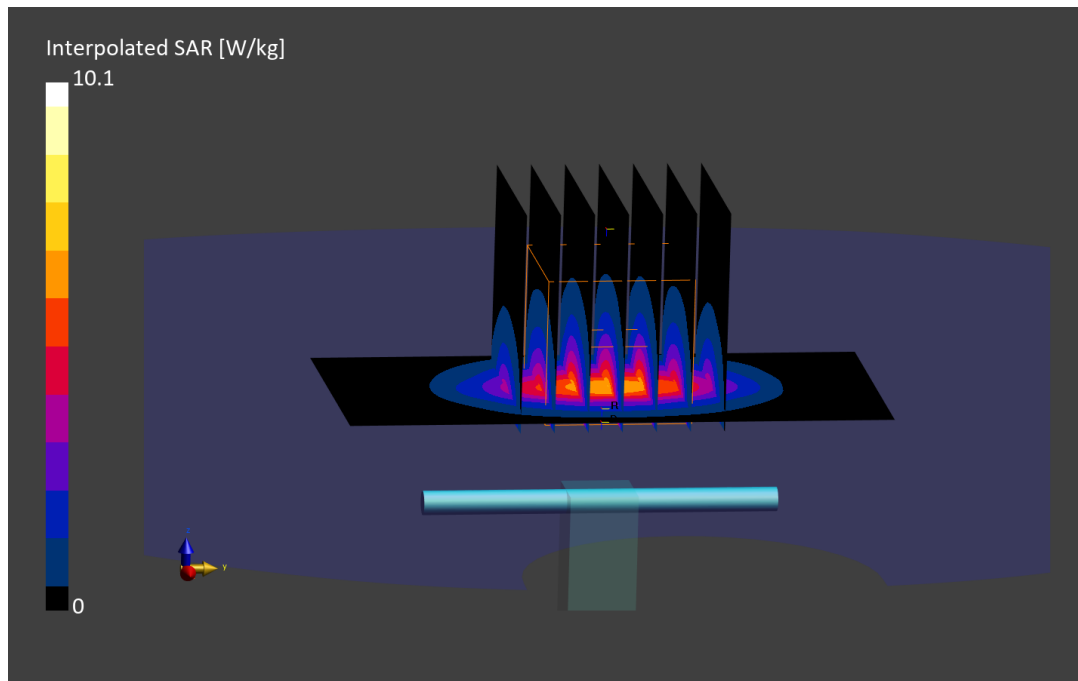
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 10.1 W/kg

SAR(1 g) = 5.15 W/kg; SAR(10 g) = 2.42 W/kg

Deviation (1 g) = -1.34%; Deviation (10 g) = -1.63%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN719

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

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2450.000$ MHz; $\text{cond} = 1.77$ S/m; $\text{perm} = 40.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 05/19/2025; Ambient Temp: 22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7713; ConvF:(8.4,7.82,7.61); 2025-01-07

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

Electronics: DAE4 Sn1530; 2025-01-13

Phantom: Twin-SAM V8.0; Serial: 2064

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

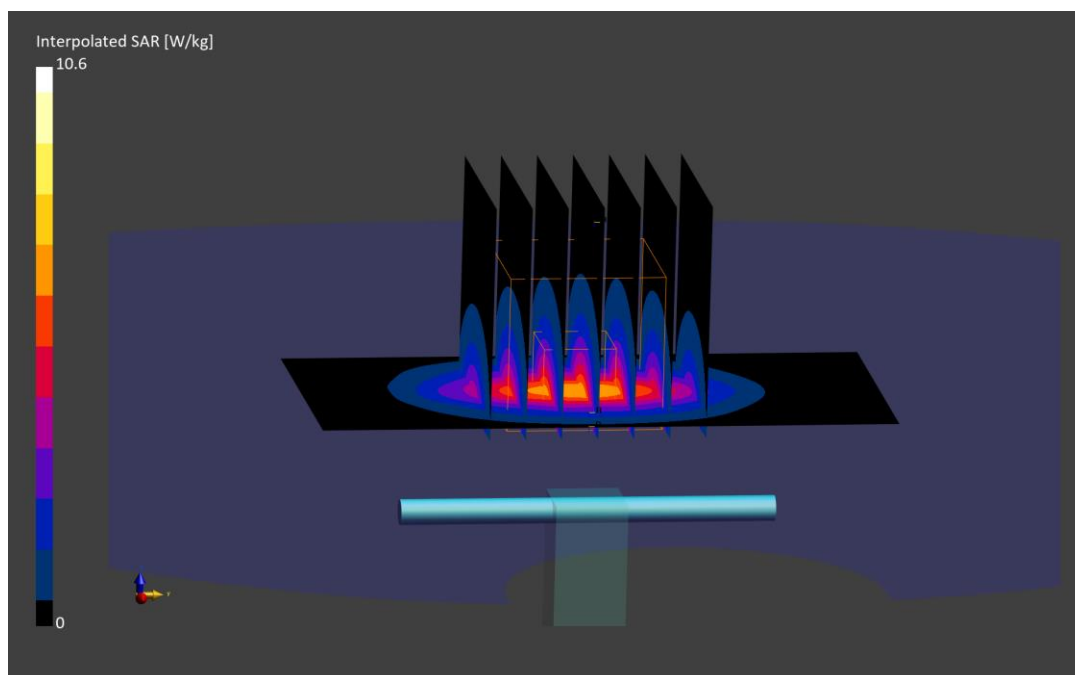
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 10.6 W/kg

SAR(1 g) = 5.32 W/kg; SAR(10 g) = 2.51 W/kg

Deviation (1 g) = 1.92%; Deviation (10 g) = 2.03%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1071

Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 2600.000$ MHz; $\text{cond} = 1.89$ S/m; $\text{perm} = 40.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/17/2025; Ambient Temp: 21.5°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7713; ConvF:(8.05,7.49,7.29); 2025-01-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2025-01-13
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.4.0.5005

2600.0 MHz System Verification at 20.0 dBm (100 mW)

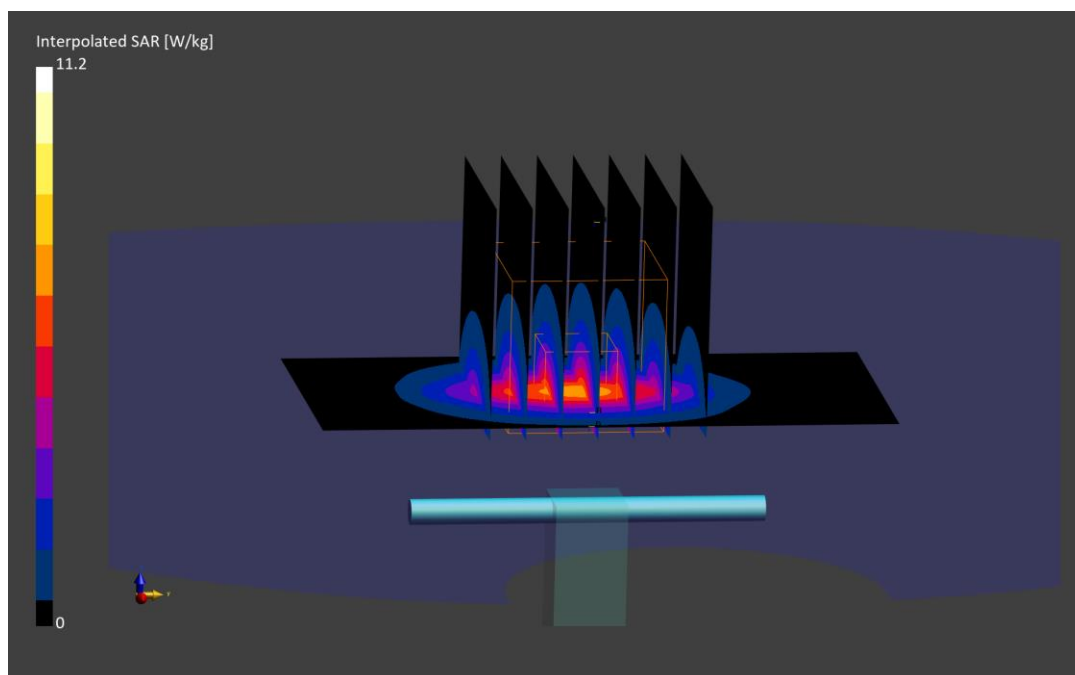
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 5.41 W/kg; SAR(10 g) = 2.48 W/kg

Deviation (1 g) = -4.25%; Deviation (10 g) = -2.36%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1071

Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 2600.000$ MHz; $\text{cond} = 1.89$ S/m; $\text{perm} = 40.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/19/2025; Ambient Temp: 22.8°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7713; ConvF:(8.05,7.49,7.29); 2025-01-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2025-01-13
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.4.0.5005

2600.0 MHz System Verification at 20.0 dBm (100 mW)

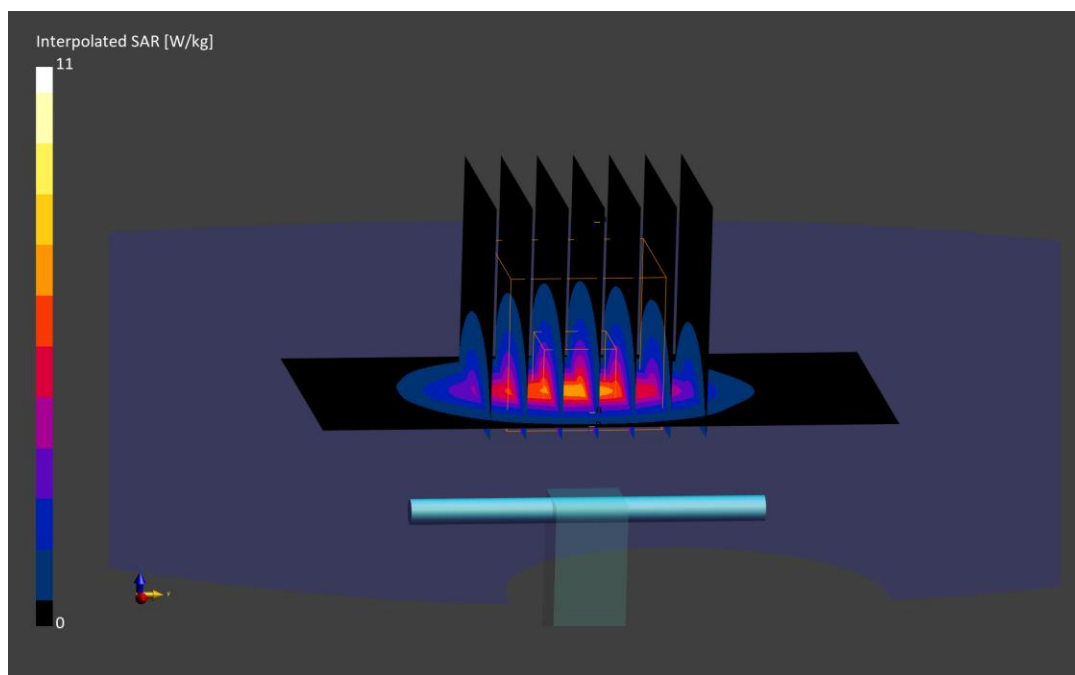
Area Scan (40.0 x 80.0): Measurement grid: $\text{dx}=10.0$ mm, $\text{dy}=10.0$ mm

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

Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.44 W/kg

Deviation (1 g) = -5.66%; Deviation (10 g) = -3.94%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1071

Communication System: UID: 0, CW; Frequency: 2600.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2600.000$ MHz; $\text{cond} = 1.92$ S/m; $\text{perm} = 37.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/06/2025; Ambient Temp: 23.3°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7406; ConvF:(7.28,6.89,7.67); 2024-07-05

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

Electronics: DAE4 Sn1677; 2024-07-08

Phantom: Twin-SAM V5.0; Serial: 1800

Measurement SW: DASY Module SAR V16.4.0.5005

2600.0 MHz System Verification at 20.0 dBm (100 mW)

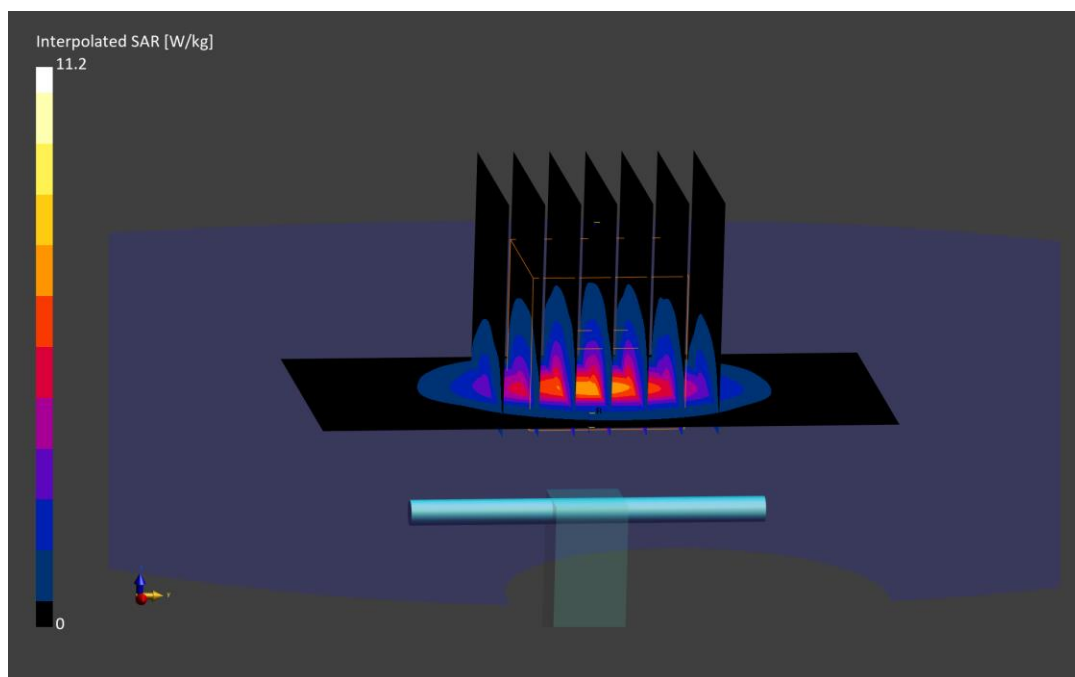
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 5.33 W/kg; SAR(10 g) = 2.40 W/kg

Deviation (1 g) = -5.66%; Deviation (10 g) = -5.51%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1097

Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 3500.000$ MHz; $\text{cond} = 2.79$ S/m; $\text{perm} = 37.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/02/2025; Ambient Temp: 24.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7409; ConvF:(6.64,6.3,6.68); 2024-06-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2024-06-11
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.4.0.5005

3500.0 MHz System Verification at 20.0 dBm (100 mW)

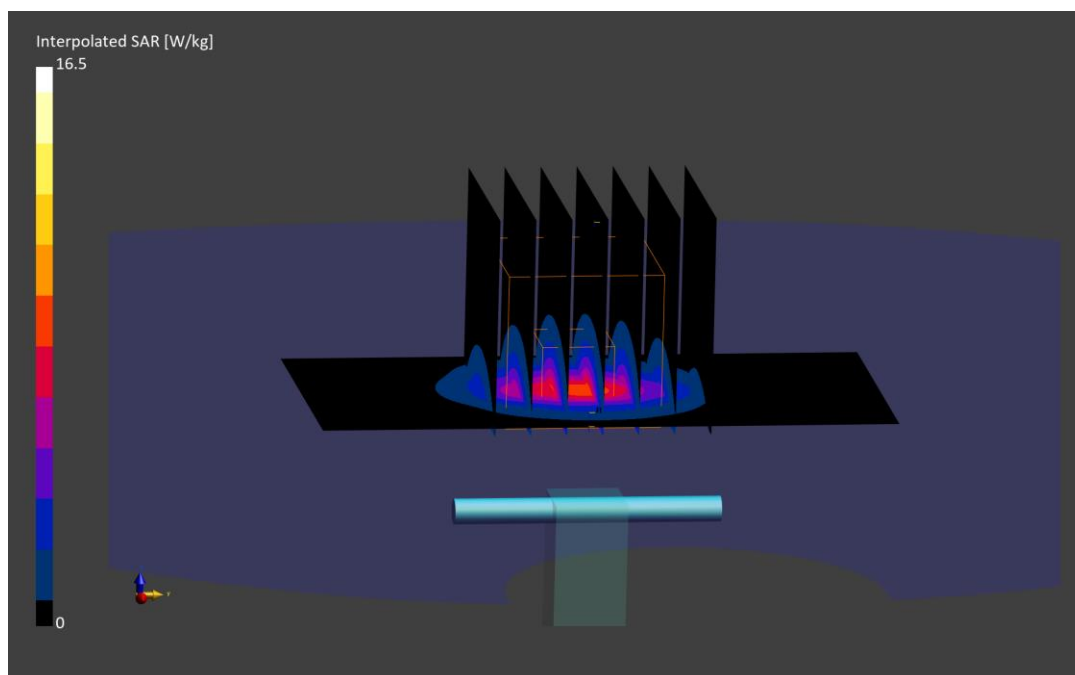
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 16.5 W/kg

SAR(1 g) = 6.51 W/kg; SAR(10 g) = 2.54 W/kg

Deviation (1 g) = -0.46%; Deviation (10 g) = 2.83%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1097

Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 3500.000$ MHz; $\text{cond} = 2.78$ S/m; $\text{perm} = 38.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/06/2025; Ambient Temp: 22.7°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7409; ConvF: (6.64, 6.3, 6.68); 2024-06-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2024-06-11
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.4.0.5005

3500.0 MHz System Verification at 20.0 dBm (100 mW)

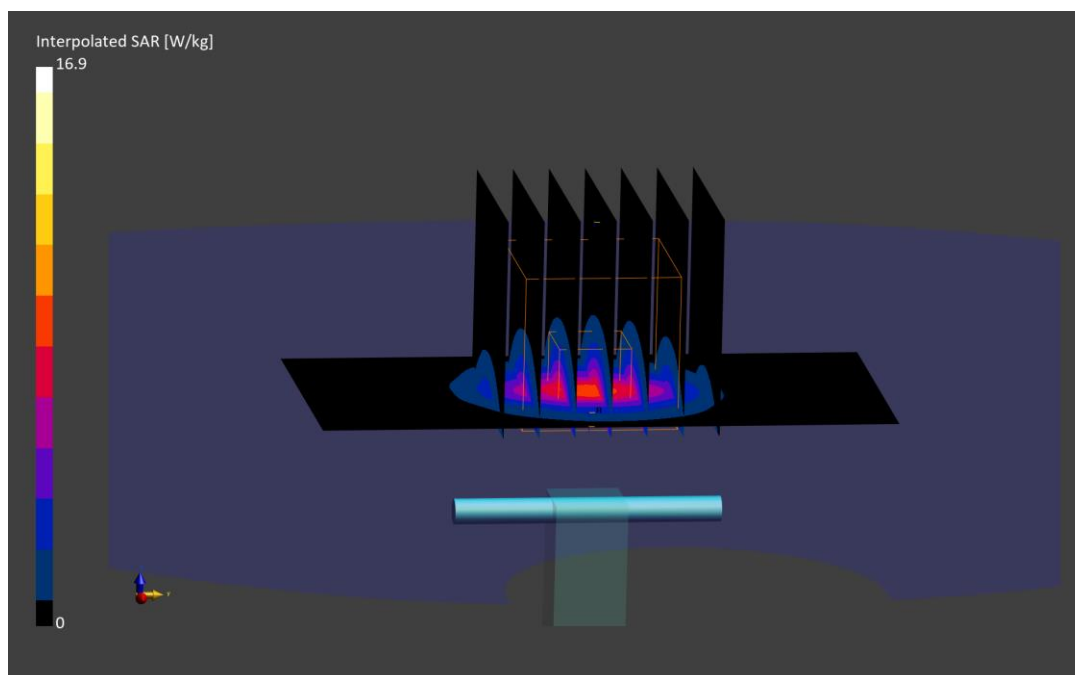
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 16.9 W/kg

SAR(1 g) = 6.63 W/kg; SAR(10 g) = 2.58 W/kg

Deviation (1 g) = 1.38%; Deviation (10 g) = 4.45%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1097

Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 3500.000$ MHz; $\text{cond} = 2.81$ S/m; $\text{perm} = 38.9$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/27/2025; Ambient Temp: 22.3°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7417; ConvF:(6.79,6.36,6.45); 2025-02-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; 2025-02-06
Phantom: Twin-SAM V5.0; Serial: 1759
Measurement SW: DASY Module SAR V16.4.0.5005

3500.0 MHz System Verification at 20.0 dBm (100 mW)

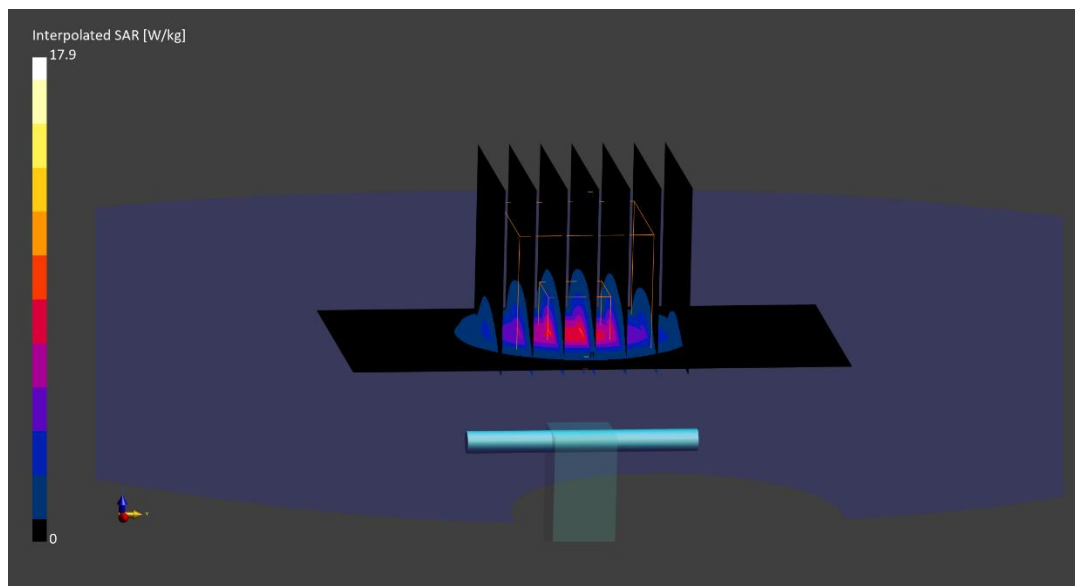
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 17.9 W/kg

SAR(1 g) = 7.02 W/kg; SAR(10 g) = 2.70 W/kg

Deviation (1 g) = 7.34%; Deviation (10 g) = 9.31%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1059

Communication System: UID: 0, CW; Frequency: 3500.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 3500.000 MHz; cond = 2.82 S/m; perm = 39.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/02/2025; Ambient Temp: 21.9°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7417; ConvF:(6.79,6.36,6.45); 2025-02-12

Sensor-Surface: 1.4mm (All points)

Electronics: DAE4 Sn665; 2025-02-06

Phantom: ELI V4.0; Serial: 1202

Measurement SW: DASY Module SAR V16.4.0.5005

3500.0 MHz System Verification at 20.0 dBm (100 mW)

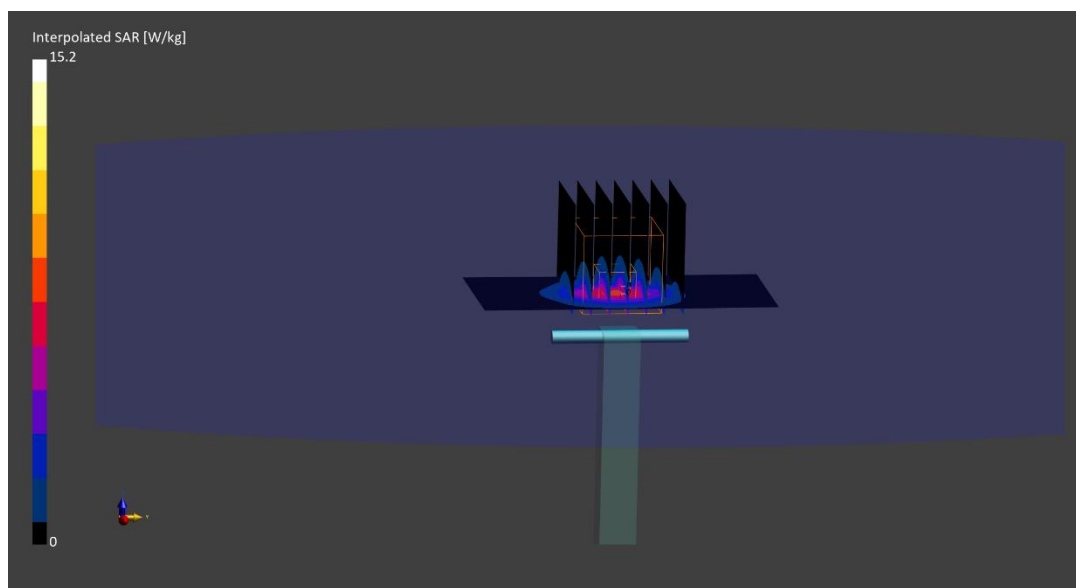
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 15.2 W/kg

SAR(1 g) = 6.09 W/kg; SAR(10 g) = 2.40 W/kg

Deviation (1 g) = -6.16%; Deviation (10 g) = -2.83%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 3700.000$ MHz; $\text{cond} = 2.99$ S/m; $\text{perm} = 37.4$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/02/2025; Ambient Temp: 24.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7409; ConvF:(6.62,6.28,6.66); 2024-06-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2024-06-11
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

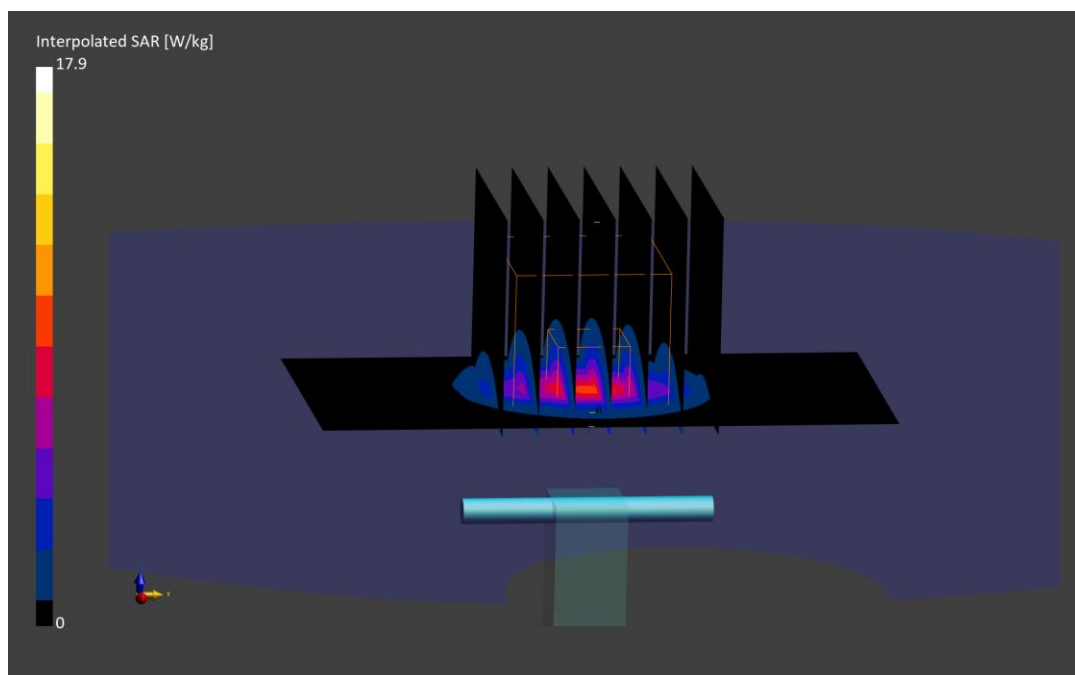
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 17.9 W/kg

SAR(1 g) = 6.73 W/kg; SAR(10 g) = 2.54 W/kg

Deviation (1 g) = 0.60%; Deviation (10 g) = 4.53%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 3700.000$ MHz; $\text{cond} = 2.98$ S/m; $\text{perm} = 38.3$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/06/2025; Ambient Temp: 22.7°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7409; ConvF: (6.62, 6.28, 6.66); 2024-06-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2024-06-11
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

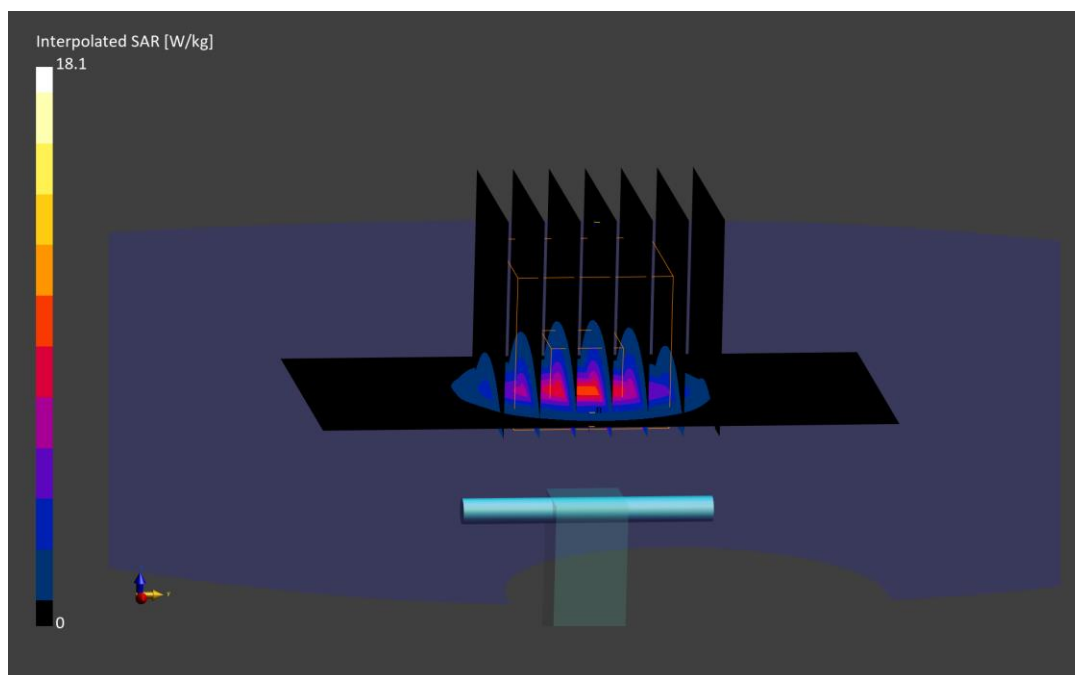
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 6.81 W/kg; SAR(10 g) = 2.56 W/kg

Deviation (1 g) = 1.79%; Deviation (10 g) = 5.35%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 3700.000$ MHz; $\text{cond} = 3.00$ S/m; $\text{perm} = 38.5$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/27/2025; Ambient Temp: 22.3°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7417; ConvF:(6.96,6.52,6.62); 2025-02-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; 2025-02-06
Phantom: Twin-SAM V5.0; Serial: 1759
Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

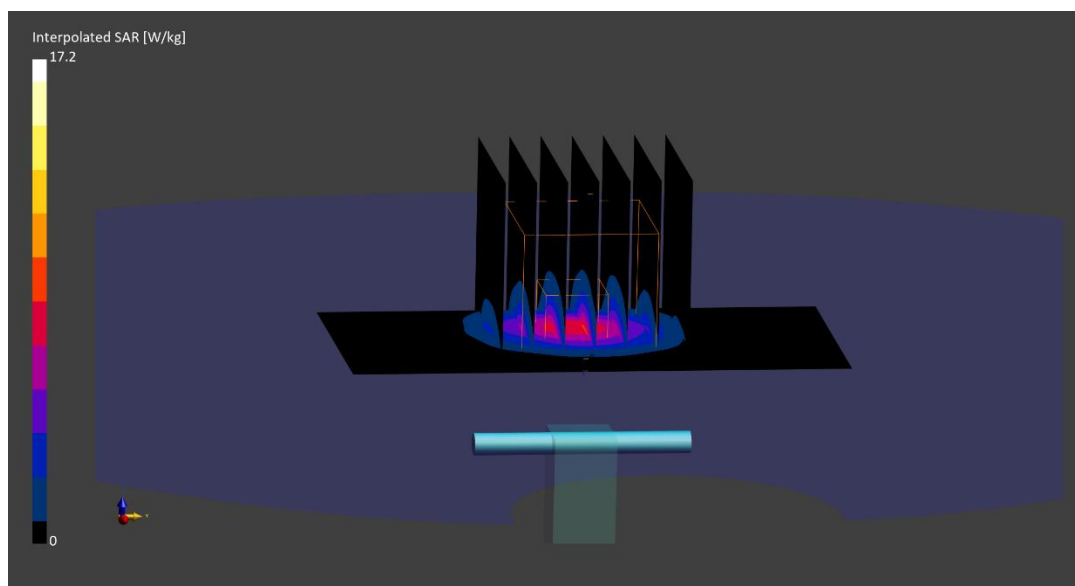
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 17.2 W/kg

SAR(1 g) = 6.63 W/kg; SAR(10 g) = 2.49 W/kg

Deviation (1 g) = -0.90%; Deviation (10 g) = 2.47%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1018

Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 3700.000$ MHz; $\text{cond} = 3.02$ S/m; $\text{perm} = 38.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/02/2025; Ambient Temp: 21.9°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7417; ConvF:(6.96,6.52,6.62); 2025-02-12
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn665; 2025-02-06
Phantom: ELI V4.0; Serial: 1202
Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

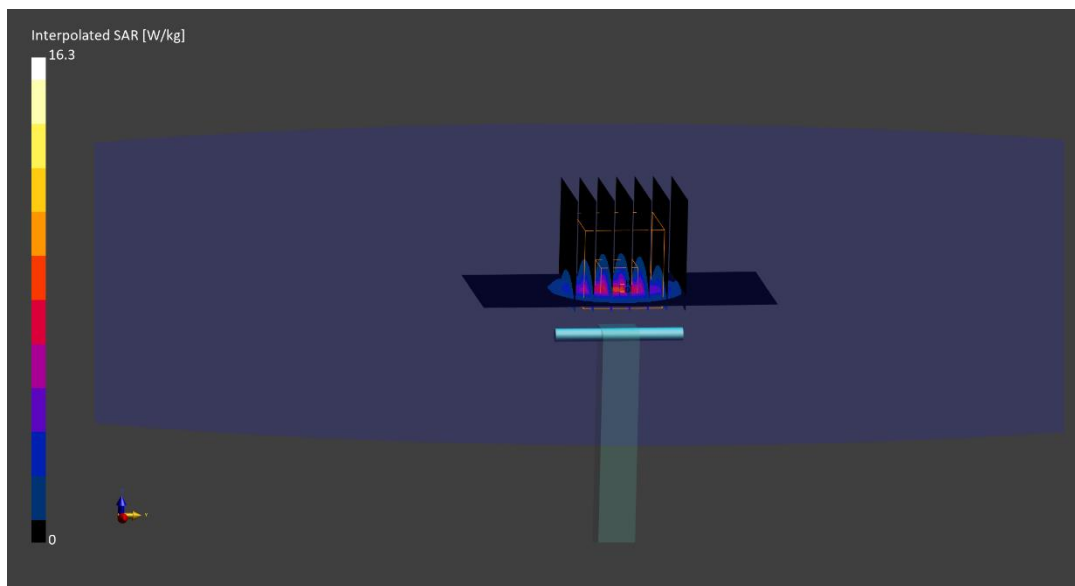
Area Scan (40.0 x 80.0): Measurement grid: $\text{dx}=10.0$ mm, $\text{dy}=10.0$ mm

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

Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 6.33 W/kg; SAR(10 g) = 2.39 W/kg

Deviation (1 g) = -2.76%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 3900.000 MHz; Type: D3900V2 - SN1056

Communication System: UID: 0, CW; Frequency: 3900.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 3900.000$ MHz; $\text{cond} = 3.18$ S/m; $\text{perm} = 37.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 05/02/2025; Ambient Temp: 24.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7409; ConvF:(6.41,6.08,6.45); 2024-06-17

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

Electronics: DAE4 Sn1334; 2024-06-11

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

Measurement SW: DASY Module SAR V16.4.0.5005

3900.0 MHz System Verification at 20.0 dBm (100 mW)

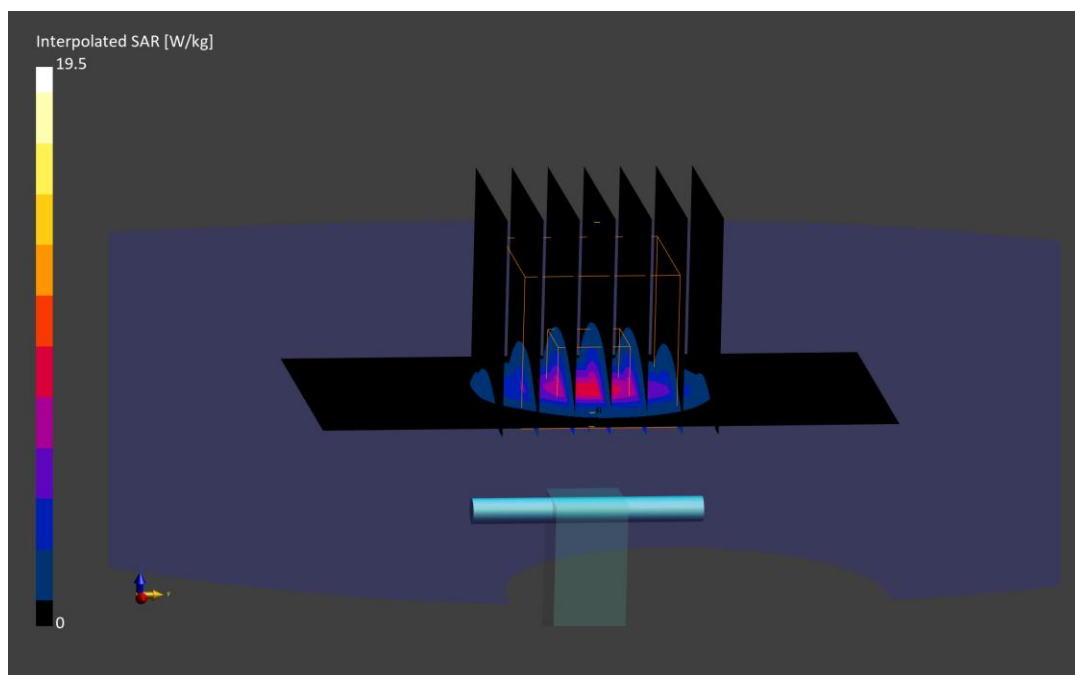
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 6.86 W/kg; SAR(10 g) = 2.50 W/kg

Deviation (1 g) = 0.59%; Deviation (10 g) = 5.04%



ELEMENT

DUT: Dipole 3900.000 MHz; Type: D3900V2 - SN1073

Communication System: UID: 0, CW; Frequency: 3900.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 3900.000 MHz; cond = 3.23 S/m; perm = 38.4; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/02/2025; Ambient Temp: 21.9°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7417; ConvF:(6.7,6.28,6.37); 2025-02-12
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn665; 2025-02-06
Phantom: ELI V4.0; Serial: 1202
Measurement SW: DASY Module SAR V16.4.0.5005

3900.0 MHz System Verification at 20.0 dBm (100 mW)

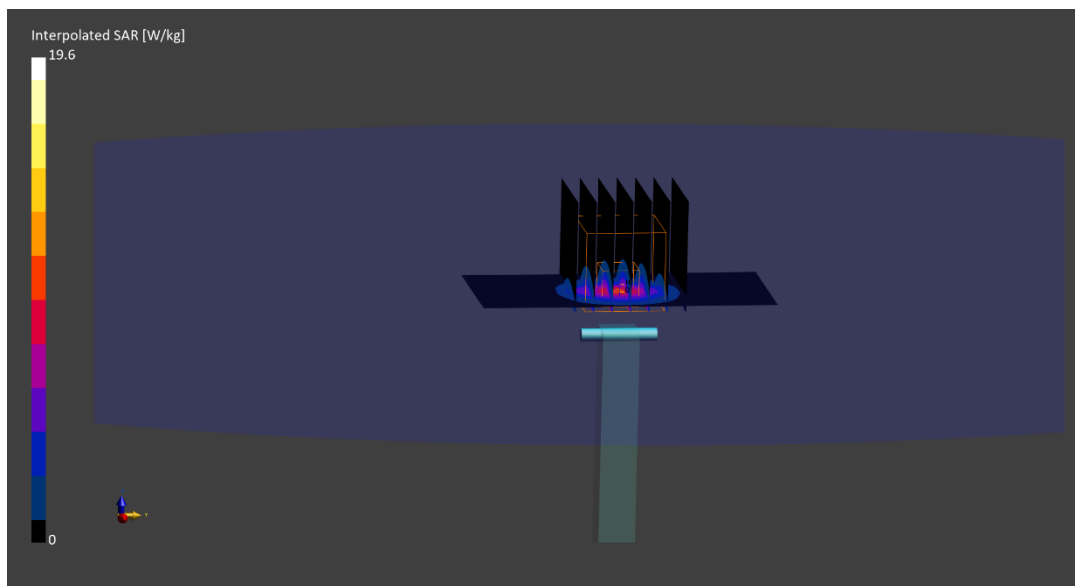
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 19.6 W/kg

SAR(1 g) = 7.12 W/kg; SAR(10 g) = 2.51 W/kg

Deviation (1 g) = 2.45%; Deviation (10 g) = 3.29%



ELEMENT

DUT: Dipole 5250.000 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5250.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 5250.000 MHz; cond = 4.58 S/m; perm = 36.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 05/19/2025; Ambient Temp: 22.8°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7803; ConvF:(5.21,5.33,5.42); 2024-06-28

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

Electronics: DAE4 Sn1583; 2024-07-08

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.4.0.5005

5250.0 MHz System Verification at 17.0 dBm (50 mW)

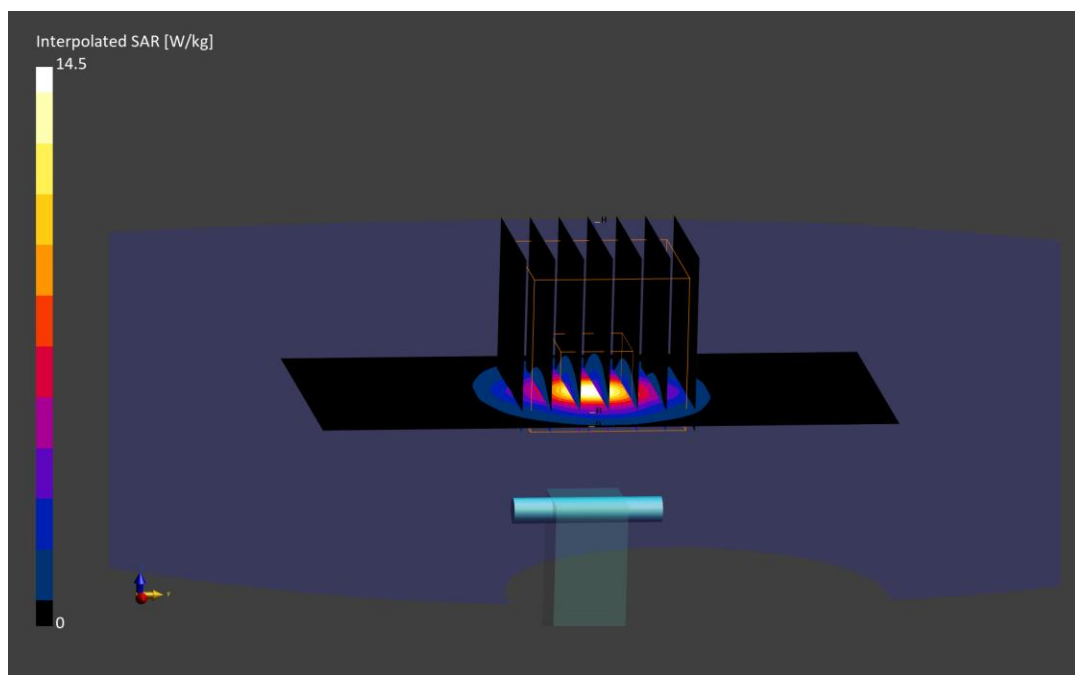
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (24.0 x 24.0 x 22.9): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 14.5 W/kg

SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.05 W/kg

Deviation (1 g) = -8.82%; Deviation (10 g) = -7.49%



ELEMENT

DUT: Dipole 5600.000 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5600.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 5600.000$ MHz; $\text{cond} = 4.97$ S/m; $\text{perm} = 35.6$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 05/19/2025; Ambient Temp: 22.8°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7803; ConvF:(4.82,4.92,5.01); 2024-06-28

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

Electronics: DAE4 Sn1583; 2024-07-08

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.4.0.5005

5600.0 MHz System Verification at 17.0 dBm (50 mW)

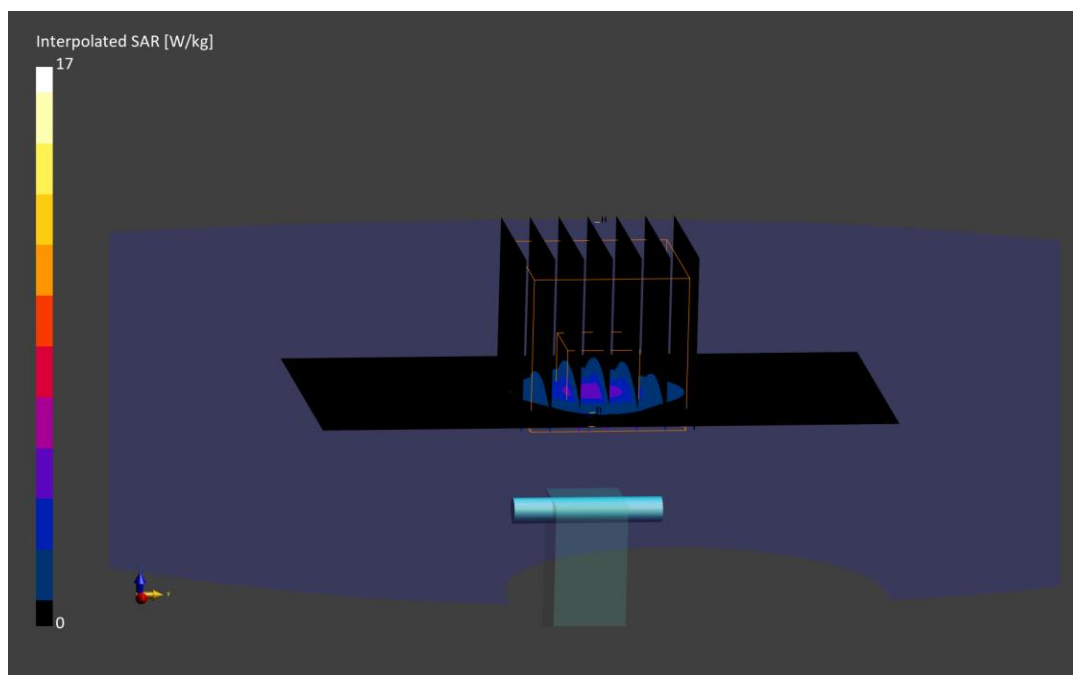
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (24.0 x 24.0 x 22.9): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 17.0 W/kg

SAR(1 g) = 3.91 W/kg; SAR(10 g) = 1.13 W/kg

Deviation (1 g) = -5.78%; Deviation (10 g) = -5.44%



ELEMENT

DUT: Dipole 5750.000 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5750.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 5750.000$ MHz; $\text{cond} = 5.15$ S/m; $\text{perm} = 35.3$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 05/19/2025; Ambient Temp: 22.8°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7803; ConvF:(4.79,4.89,4.98); 2024-06-28
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; 2024-07-08
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.4.0.5005

5750.0 MHz System Verification at 17.0 dBm (50 mW)

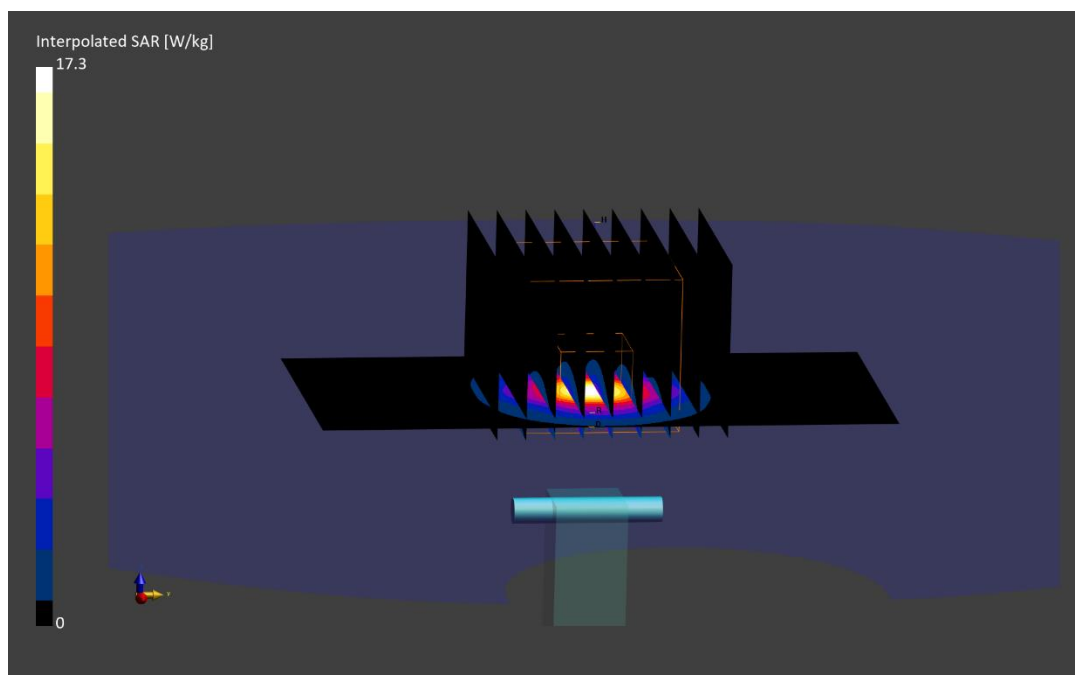
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 17.3 W/kg

SAR(1 g) = 3.85 W/kg; SAR(10 g) = 1.11 W/kg

Deviation (1 g) = -2.41%; Deviation (10 g) = -0.89%



ELEMENT

DUT: Dipole 5850.000 MHz; Type: D5GHzV2 - SN1191

Communication System: UID: 0, CW; Frequency: 5850.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 5850.000 MHz; cond = 5.26 S/m; perm = 35.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 05/19/2025; Ambient Temp: 22.8°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7803; ConvF:(4.78,4.89,4.97); 2024-06-28

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

Electronics: DAE4 Sn1583; 2024-07-08

Phantom: Twin-SAM V8.0; Serial: 2065

Measurement SW: DASY Module SAR V16.4.0.5005

5850.0 MHz System Verification at 17.0 dBm (50 mW)

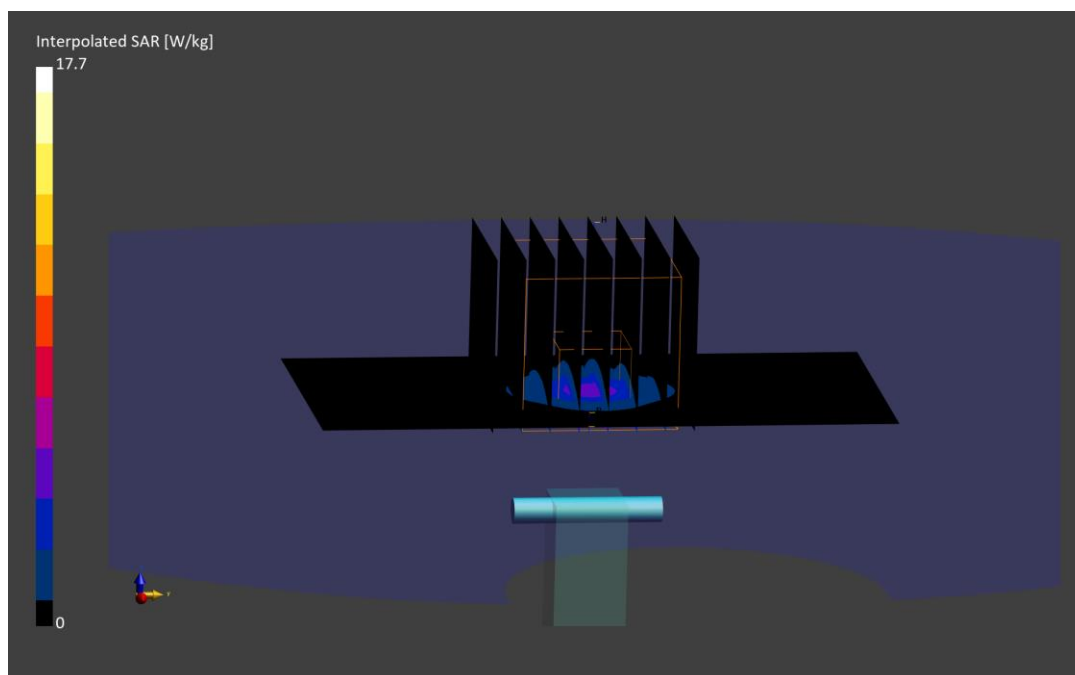
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (24.0 x 28.0 x 22.9): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 17.7 W/kg

SAR(1 g) = 3.88 W/kg; SAR(10 g) = 1.11 W/kg

Deviation (1 g) = -1.52%; Deviation (10 g) = -1.33%



ELEMENT

DUT: Dipole 6500.000 MHz; Type: D6.5GHzV2 - SN1111

Communication System: UID: 0, CW; Frequency: 6500.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 6500.000 MHz; cond = 6.14 S/m; perm = 33.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 5 mm

Test Date: 5/27/2025; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7570; ConvF:(5.35,5.65,5.29); 2025-02-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4ip Sn1638; 2025-02-07

Phantom: Twin-SAM V8.0; Serial: 1979
Measurement SW: DASY Module SAR V16.4.0.5005

6500.0 MHz System Verification at 14.0 dBm (25 mW)

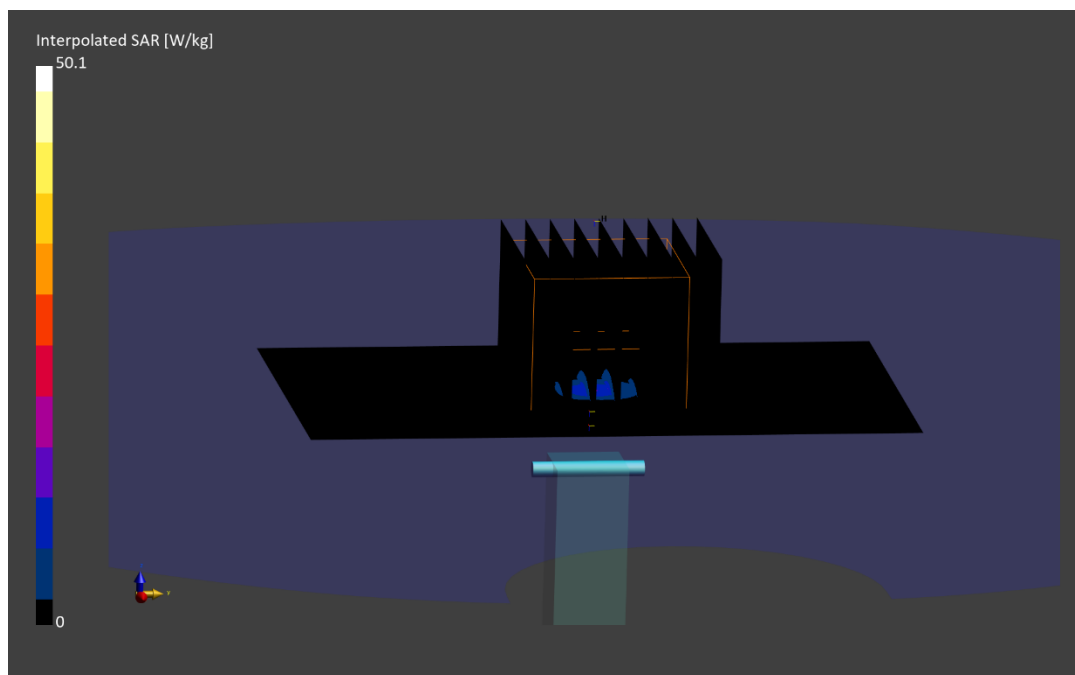
Area Scan (51.0 x 85.0): Measurement grid: dx=8.5 mm, dy=8.5 mm

Zoom Scan (23.8 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) = 50.1 W/kg

SAR(1 g) = 7.74 W/kg; SAR(10 g) = 1.42 W/kg; APD(4.0 cm²) = 34.3 W/m²

Deviation (1 g) = 3.89%; Deviation (10 g) = 2.90%; Deviation(APD) = 1.63%



Date: 2025-06-03

Device Under Test Properties

DUT	Serial Number
10 GHz Verification Source	1002

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 – SN9389, 2025-01-08	DAE4 – SN1449, 2024-09-10

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]	47.3
pS _n avg [W/m²]	47.1
E _{peak} [V/m]	146
Deviation [dB] pS _{tot}	-0.58
Deviation [dB] pS _n	-0.58

