

APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

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; $\text{cond} = 1.79$ S/m; $\text{perm} = 38.2$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/13/2025; Ambient Temp: 20.5°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7718; ConvF:(7.07,7.06,7.3); 2025-04-08

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

Electronics: DAE4 Sn1407; 2025-04-07

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

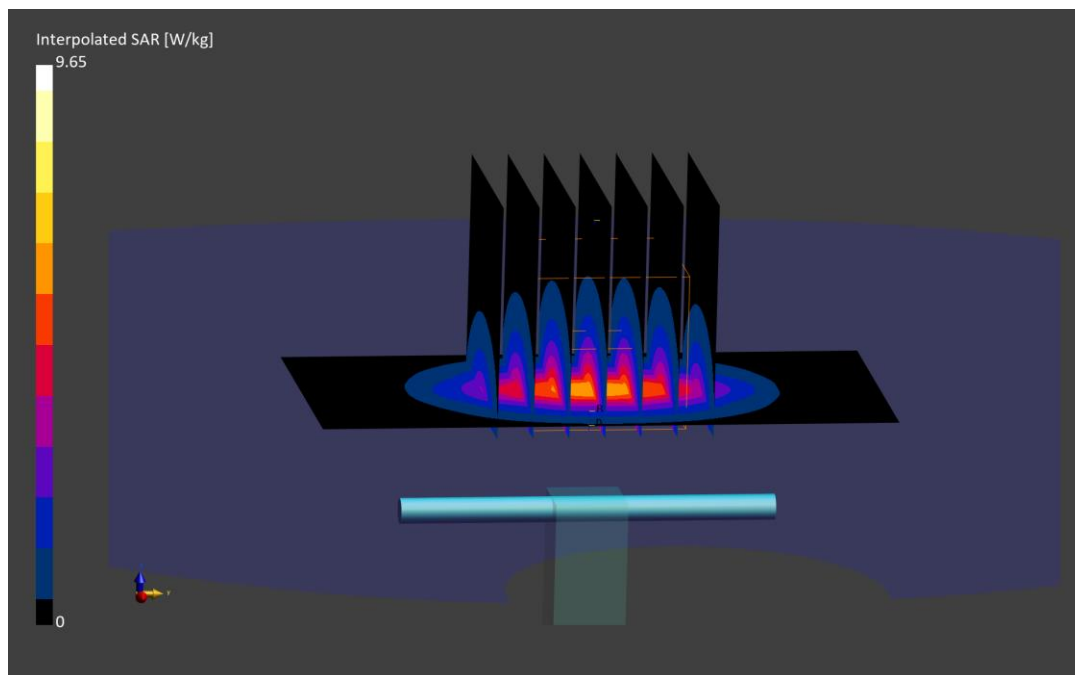
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 9.65 W/kg

SAR(1 g) = 4.84 W/kg; SAR(10 g) = 2.26 W/kg

Deviation (1 g) = -7.28%; Deviation (10 g) = -8.13%



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; $\text{cond} = 1.82$ S/m; $\text{perm} = 39.0$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/17/2025; Ambient Temp: 20.9°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7718; ConvF:(7.07,7.06,7.3); 2025-04-08

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

Electronics: DAE4 Sn1407; 2025-04-07

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

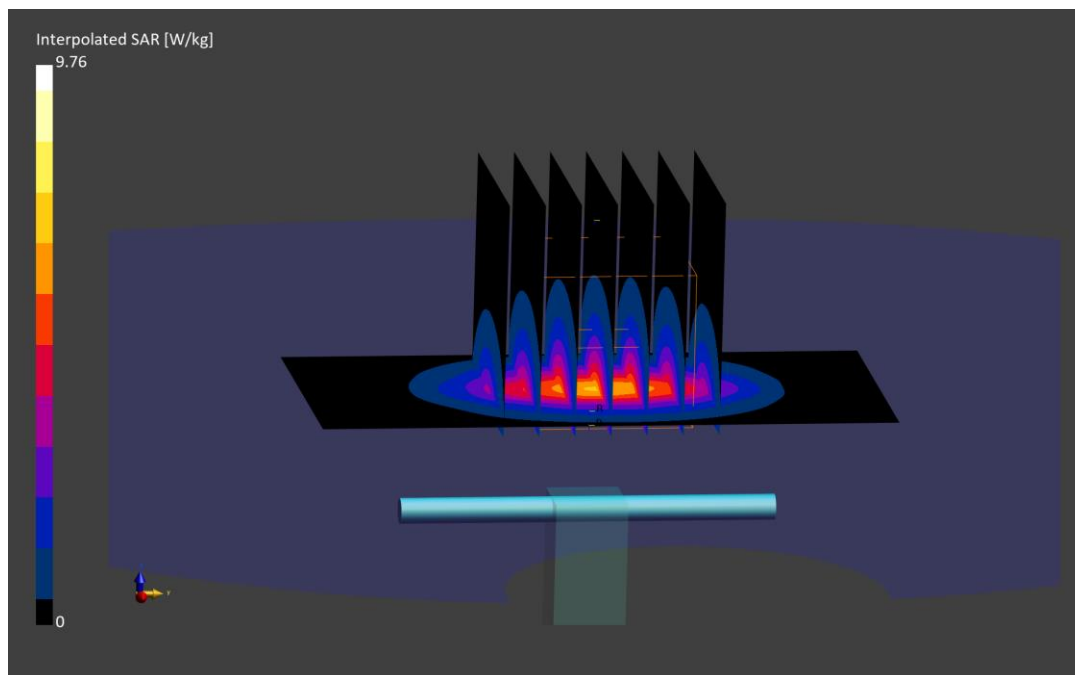
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 9.76 W/kg

SAR(1 g) = 4.87 W/kg; SAR(10 g) = 2.28 W/kg

Deviation (1 g) = -6.70%; Deviation (10 g) = -7.32%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN981

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; $\text{perm} = 40.7$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/07/2025; Ambient Temp: 23.9°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7410; ConvF:(7.07,6.98,7.38); 2024-12-05

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

Electronics: DAE4 Sn1213; 2024-12-04

Phantom: Twin-SAM V8.0; Serial: 1978

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

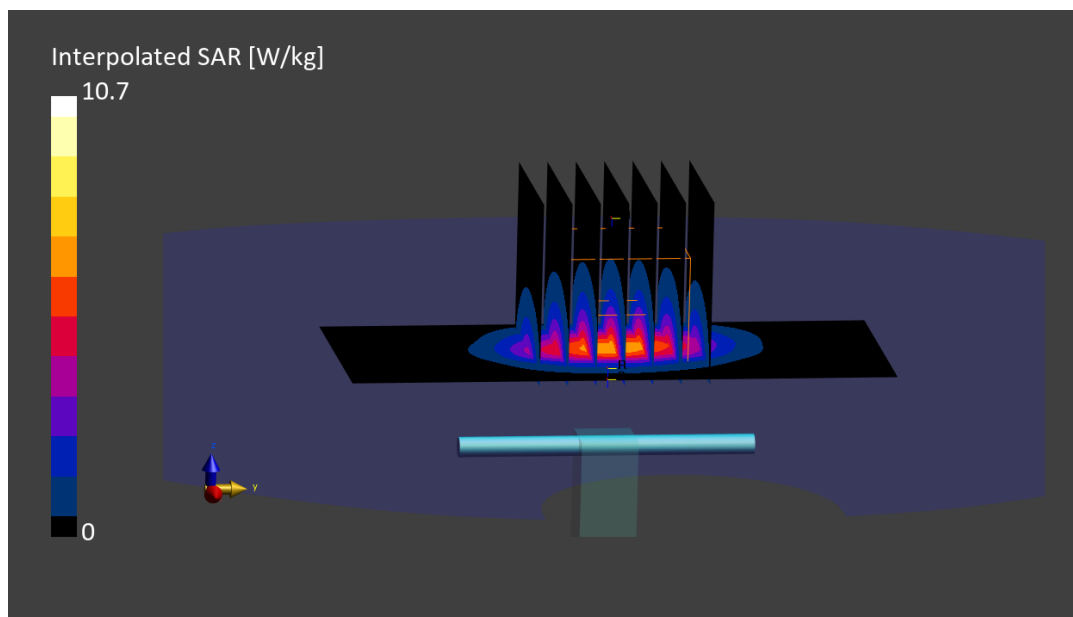
Area Scan (40.0 x 96.0): Measurement grid: $dx=10.0$ mm, $dy=12.0$ mm

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) = 10.7 W/kg

SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.48 W/kg

Deviation (1 g) = 2.90%; Deviation (10 g) = 2.06%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN981

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

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2450.000$ MHz; $\text{cond} = 1.80$ S/m; $\text{perm} = 37.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/09/2025; Ambient Temp: 24.7°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7410; ConvF:(7.07,6.98,7.38); 2024-12-05

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

Electronics: DAE4 Sn1213; 2024-12-04

Phantom: Twin-SAM V8.0; Serial: 1978

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

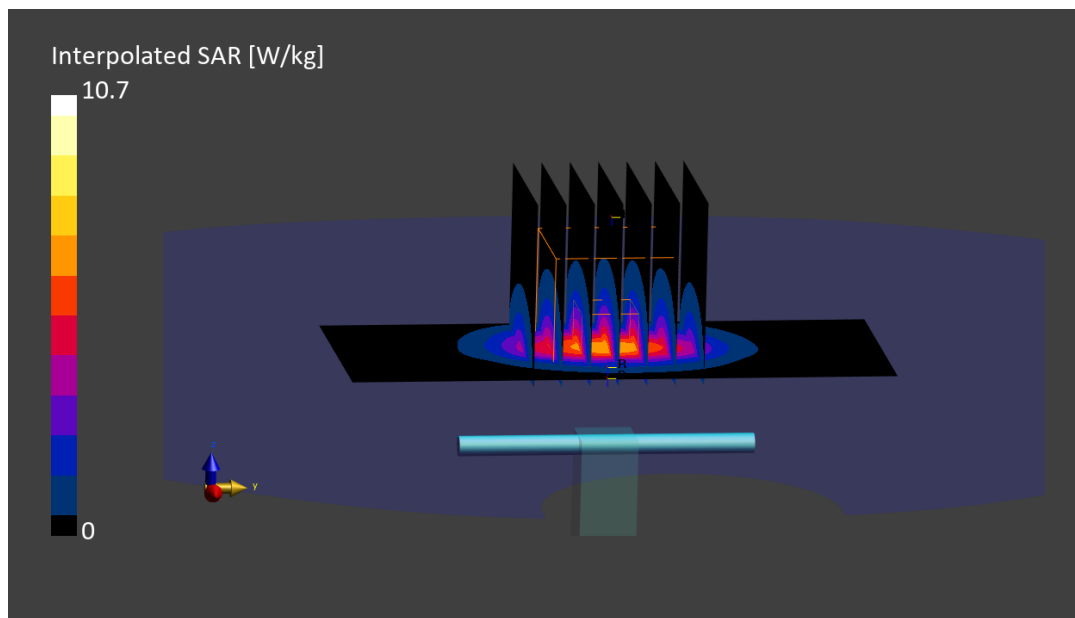
Area Scan (40.0 x 96.0): Measurement grid: $dx=10.0$ mm, $dy=12.0$ mm

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) = 10.7 W/kg

SAR(1 g) = 5.38 W/kg; SAR(10 g) = 2.51 W/kg

Deviation (1 g) = 3.86%; Deviation (10 g) = 3.29%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN981

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

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2450.000$ MHz; $\text{cond} = 1.82$ S/m; $\text{perm} = 38.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/16/2025; Ambient Temp: 22.6°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7410; ConvF:(7.07,6.98,7.38); 2024-12-05

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

Electronics: DAE4 Sn1213; 2024-12-04

Phantom: Twin-SAM V8.0; Serial: 1978

Measurement SW: DASY Module SAR V16.4.0.5005

2450.0 MHz System Verification at 20.0 dBm (100 mW)

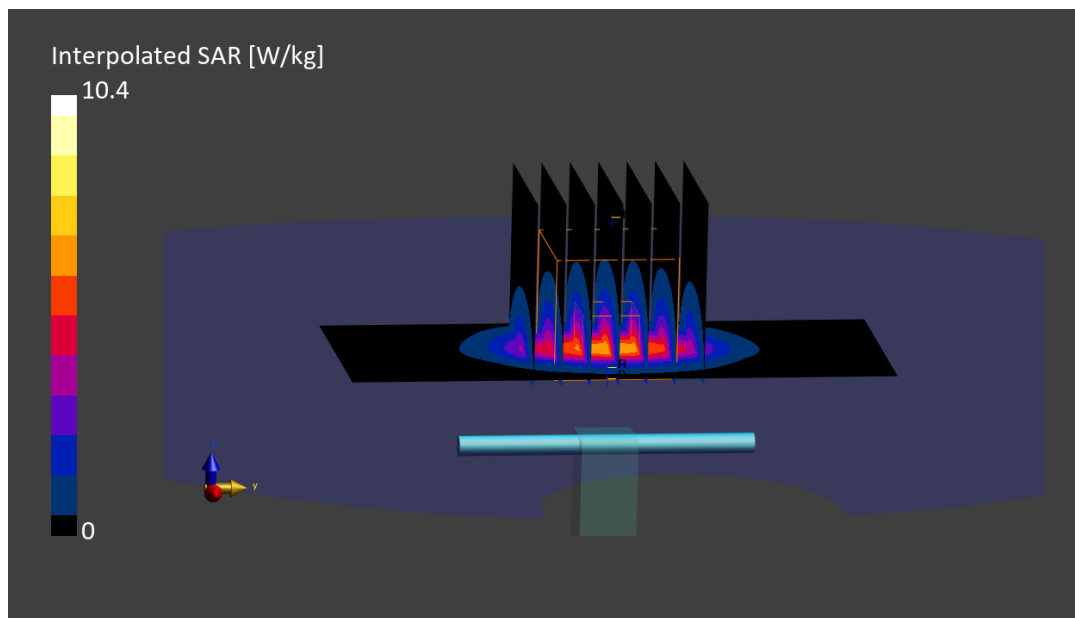
Area Scan (40.0 x 96.0): Measurement grid: $dx=10.0$ mm, $dy=12.0$ mm

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) = 10.4 W/kg

SAR(1 g) = 5.24 W/kg; SAR(10 g) = 2.44 W/kg

Deviation (1 g) = 1.16%; Deviation (10 g) = 0.41%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN981

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

Medium: Head Simulating Liquid; Medium parameters used:

$f = 2450.000$ MHz; $\text{cond} = 1.81$ S/m; $\text{perm} = 40.4$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/23/2025; Ambient Temp: 21.5°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7488; ConvF:(7.82,7.63,7.61); 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

2450.0 MHz System Verification at 20.0 dBm (100 mW)

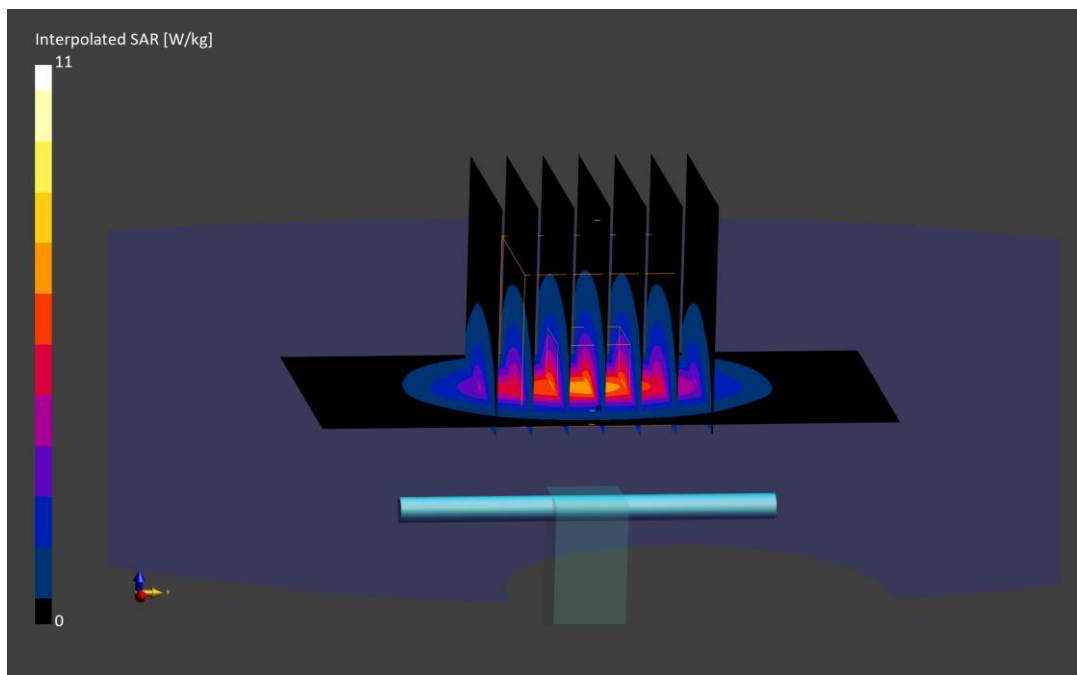
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 11.0 W/kg

SAR(1 g) = 5.41 W/kg; SAR(10 g) = 2.54 W/kg

Deviation (1 g) = 4.44%; Deviation (10 g) = 4.53%



ELEMENT

DUT: Dipole 5250.000 MHz; Type: D5GHzV2 - SN1191

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

Medium: Head Simulating Liquid; Medium parameters used:

f = 5250.000 MHz; cond = 4.67 S/m; perm = 35.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2025; Ambient Temp: 20.3°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7718; ConvF:(5.41,5.4,5.59); 2025-04-08

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

Electronics: DAE4 Sn1407; 2025-04-07

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.4.0.5005

5250.0 MHz System Verification at 17.0 dBm (50 mW)

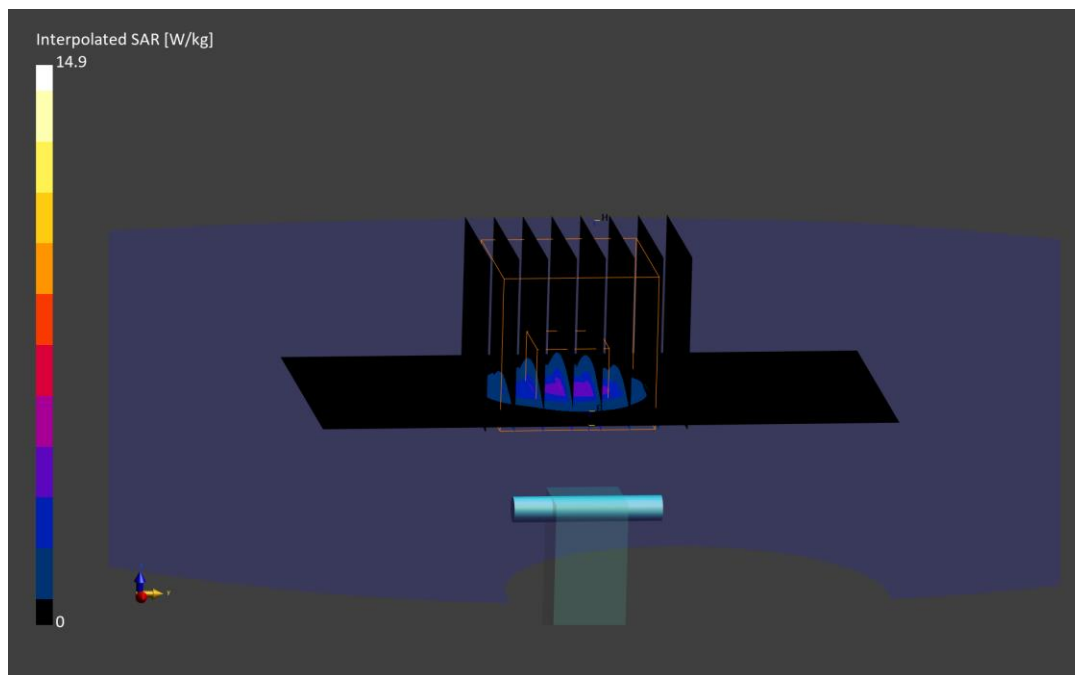
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (24.0 x 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) = 14.9 W/kg

SAR(1 g) = 3.59 W/kg; SAR(10 g) = 1.03 W/kg

Deviation (1 g) = -9.00%; Deviation (10 g) = -9.25%



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; $\text{cond} = 4.56$ S/m; $\text{perm} = 35.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/07/2025; Ambient Temp: 22.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7661; ConvF:(5.7,6.07,6.06); 2025-06-11

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

Electronics: DAE4 Sn1558; 2025-06-05

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)

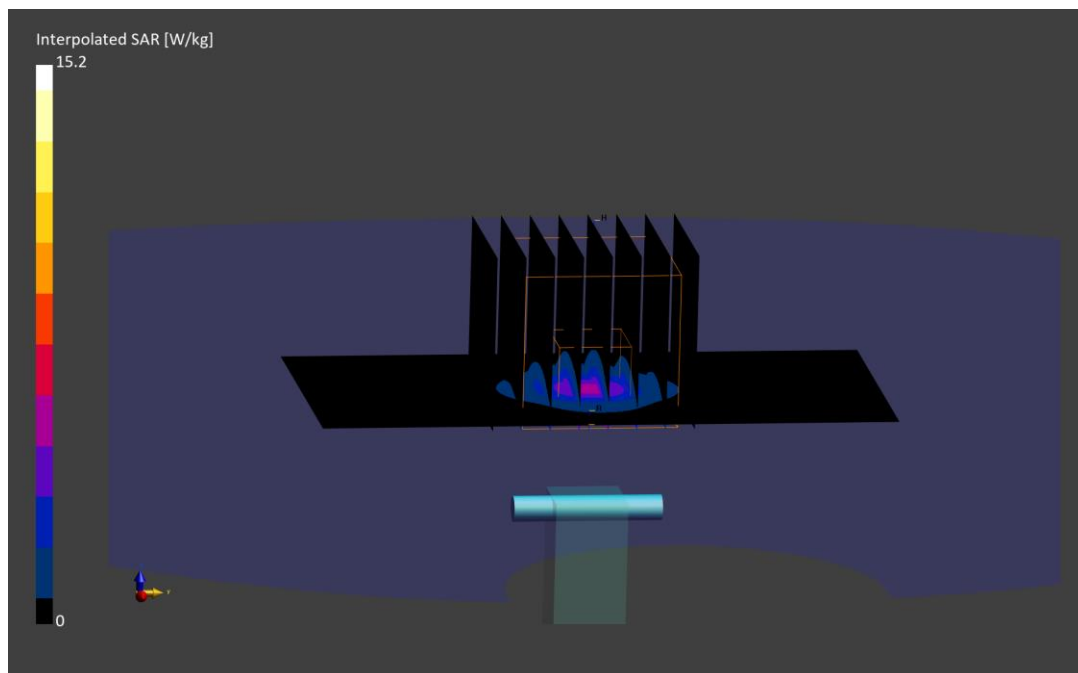
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (24.0 x 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) = 15.2 W/kg

SAR(1 g) = 3.82 W/kg; SAR(10 g) = 1.11 W/kg

Deviation (1 g) = -3.78%; Deviation (10 g) = -2.20%



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 = 4.57 S/m; perm = 34.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/15/2025; Ambient Temp: 21.0°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7661; ConvF:(5.7,6.07,6.06); 2025-06-11

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

Electronics: DAE4 Sn1558; 2025-06-05

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)

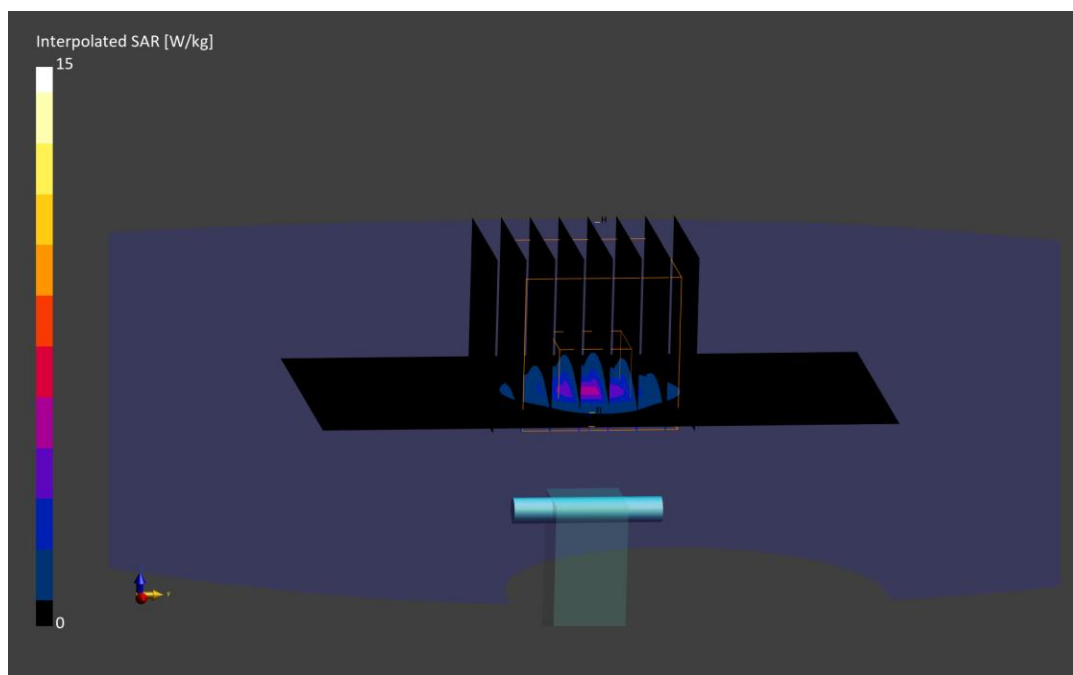
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (24.0 x 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) = 15.0 W/kg

SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.06 W/kg

Deviation (1 g) = -7.30%; Deviation (10 g) = -6.61%



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 = 4.51 S/m; perm = 34.7; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/22/2025; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7661; ConvF:(5.7,6.07,6.06); 2025-06-11

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

Electronics: DAE4 Sn1558; 2025-06-05

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)

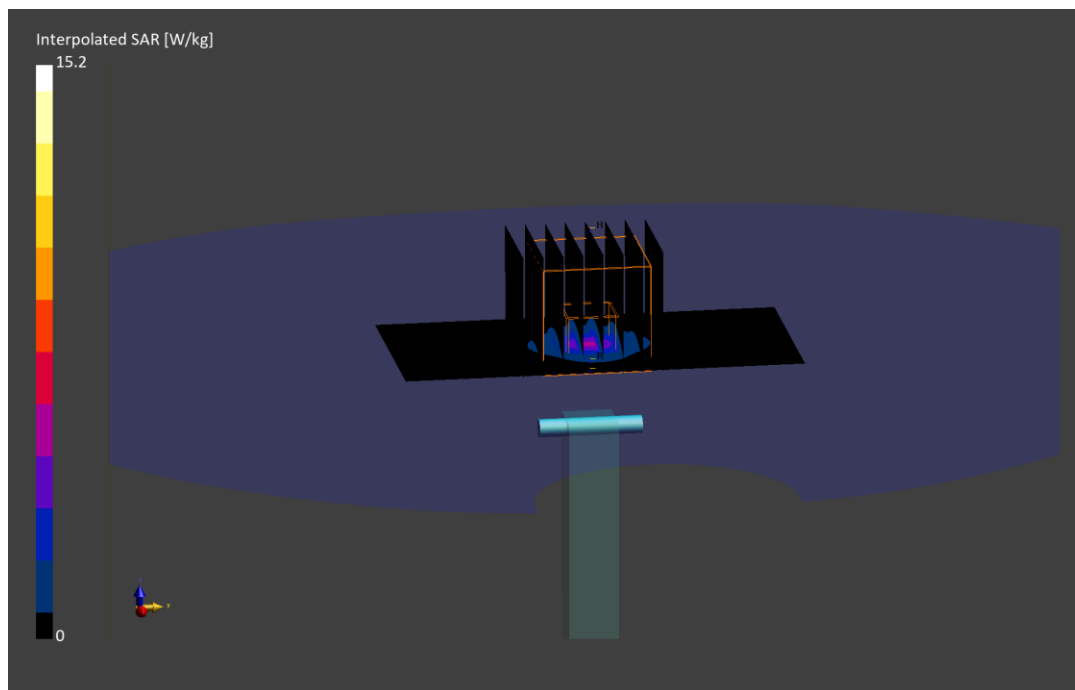
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 15.2 W/kg

SAR(1 g) = 3.69 W/kg; SAR(10 g) = 1.06 W/kg

Deviation (1 g) = -7.05%; Deviation (10 g) = -6.61%



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; $\text{cond} = 5.07$ S/m; $\text{perm} = 34.8$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2025; Ambient Temp: 20.3°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7718; ConvF:(5.0,4.99,5.16); 2025-04-08

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

Electronics: DAE4 Sn1407; 2025-04-07

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.4.0.5005

5600.0 MHz System Verification at 17.0 dBm (50 mW)

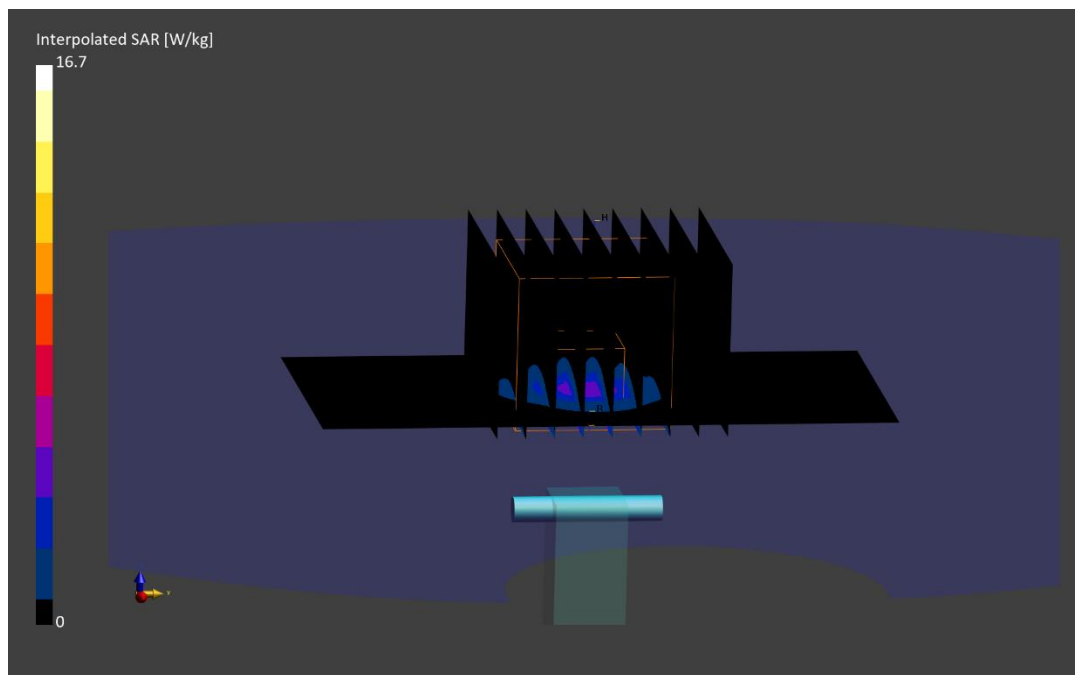
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 16.7 W/kg

SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.11 W/kg

Deviation (1 g) = -8.67%; Deviation (10 g) = -7.11%



ELEMENT

DUT: Dipole 5600.000 MHz; Type: D5GHzV2 - SN1057

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

Medium: Head Simulating Liquid; Medium parameters used:
f = 5600.000 MHz; cond = 4.95 S/m; perm = 35.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/07/2025; Ambient Temp: 22.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7661; ConvF:(5.13,5.46,5.46); 2025-06-11

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

Electronics: DAE4 Sn1558; 2025-06-05

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)

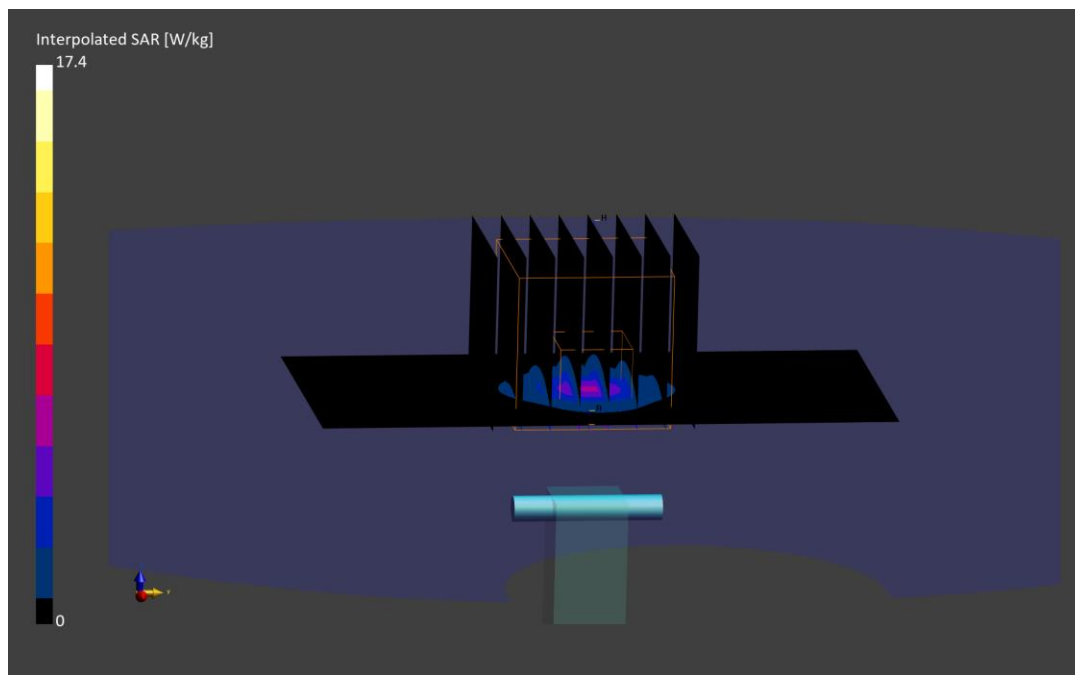
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (24.0 x 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) = 17.4 W/kg

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 1.18 W/kg

Deviation (1 g) = -0.72%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 5600.000 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5600.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 5600.000 MHz; cond = 4.97 S/m; perm = 34.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/15/2025; Ambient Temp: 21.0°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7661; ConvF:(5.13,5.46,5.46); 2025-06-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; 2025-06-05
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)

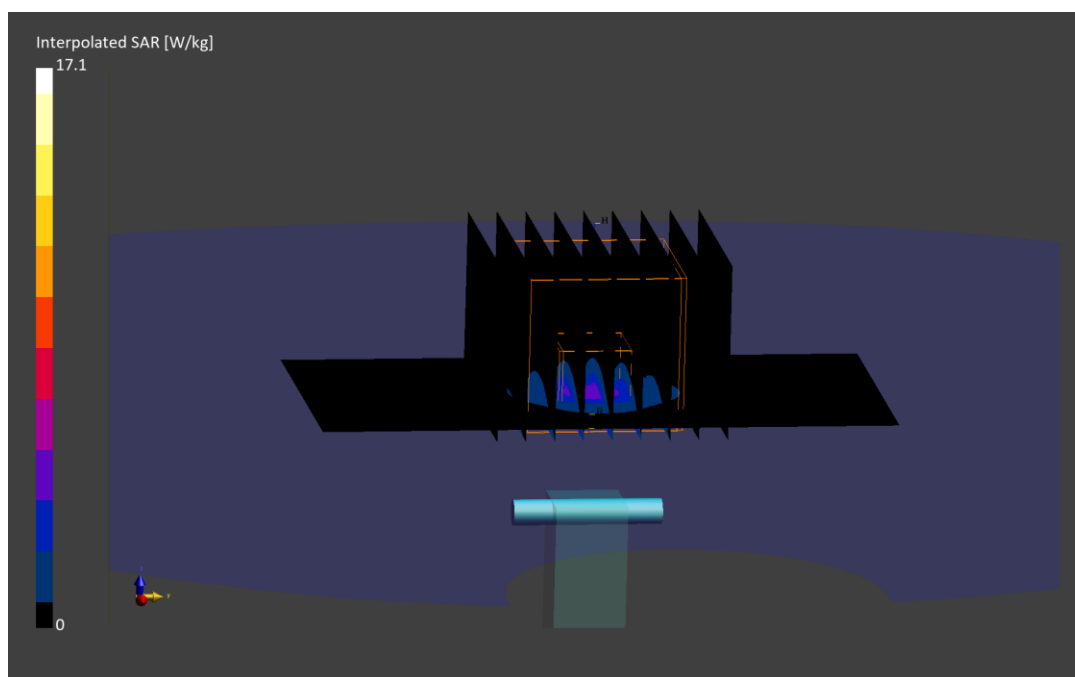
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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

Deviation (1 g) = -5.56%; Deviation (10 g) = -4.24%



ELEMENT

DUT: Dipole 5600.000 MHz; Type: D5GHzV2 - SN1057

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

Medium: Head Simulating Liquid; Medium parameters used:

f = 5600.000 MHz; cond = 4.89 S/m; perm = 34.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/22/2025; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7661; ConvF:(5.13,5.46,5.46); 2025-06-11

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

Electronics: DAE4 Sn1558; 2025-06-05

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)

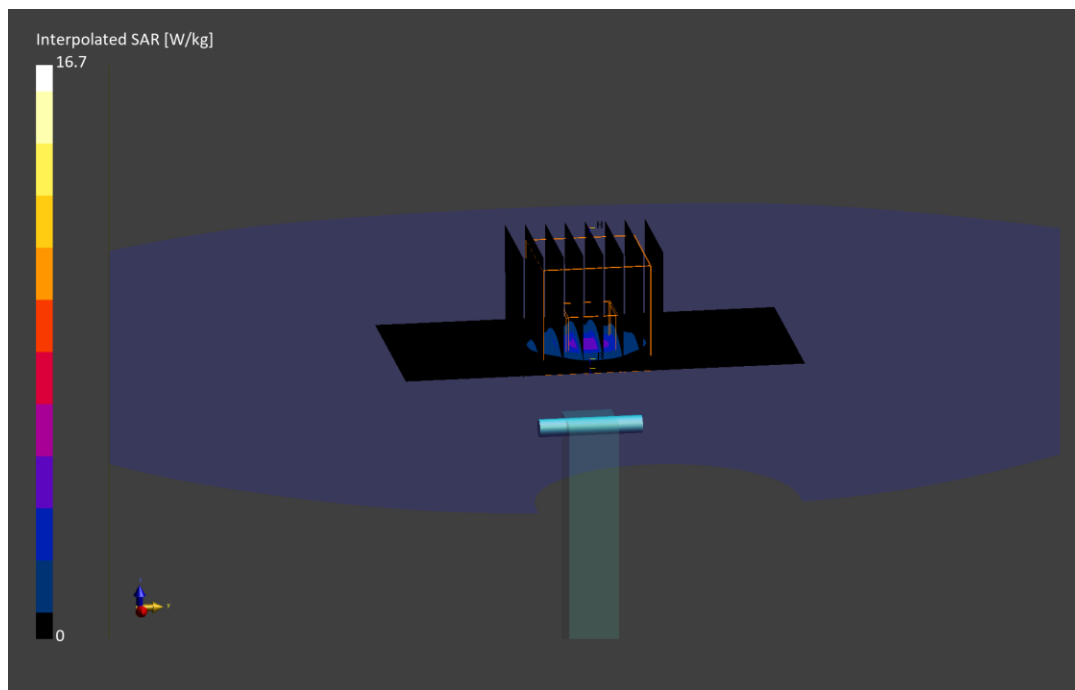
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (22.0 x 22.0 x 22.0): 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) = 3.80 W/kg; SAR(10 g) = 1.08 W/kg

Deviation (1 g) = -8.21%; Deviation (10 g) = -8.47%



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; $\text{cond} = 5.24$ S/m; $\text{perm} = 34.5$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2025; Ambient Temp: 20.3°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7718; ConvF:(5.03,5.02,5.19); 2025-04-08

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

Electronics: DAE4 Sn1407; 2025-04-07

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.4.0.5005

5750.0 MHz System Verification at 17.0 dBm (50 mW)

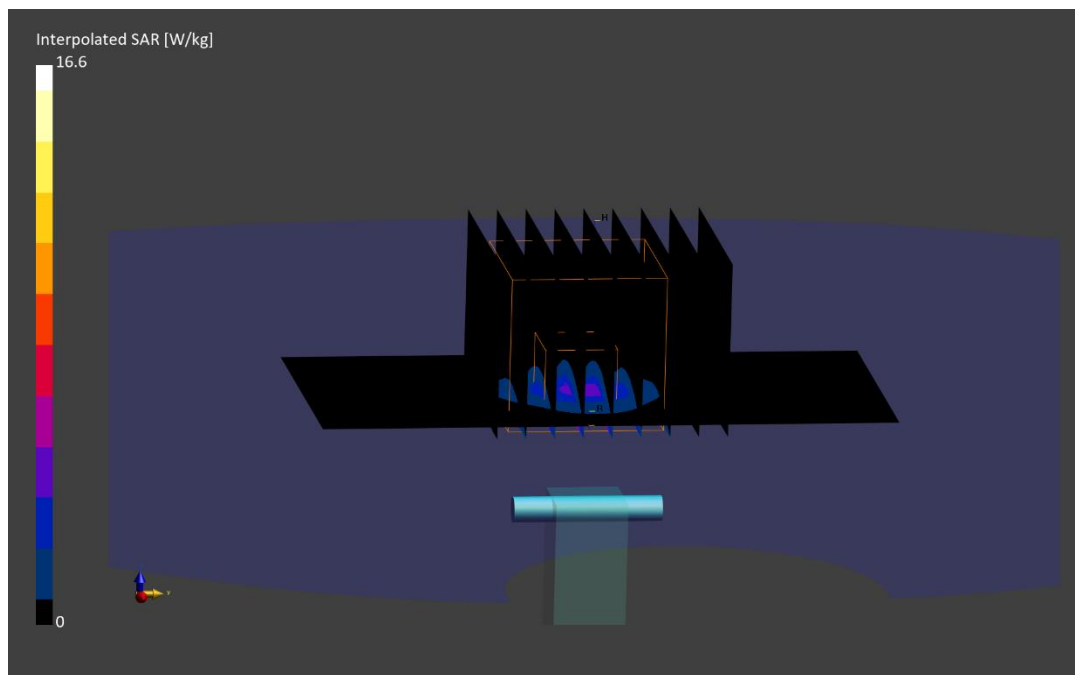
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

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) = 16.6 W/kg

SAR(1 g) = 3.62 W/kg; SAR(10 g) = 1.06 W/kg

Deviation (1 g) = -8.24%; Deviation (10 g) = -5.36%



ELEMENT

DUT: Dipole 5750.000 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5750.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
 $f = 5750.000$ MHz; $\text{cond} = 5.12$ S/m; $\text{perm} = 34.9$; $\text{density} = 1000$ kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/07/2025; Ambient Temp: 22.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7661; ConvF:(5.27,5.61,5.61); 2025-06-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; 2025-06-05
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)

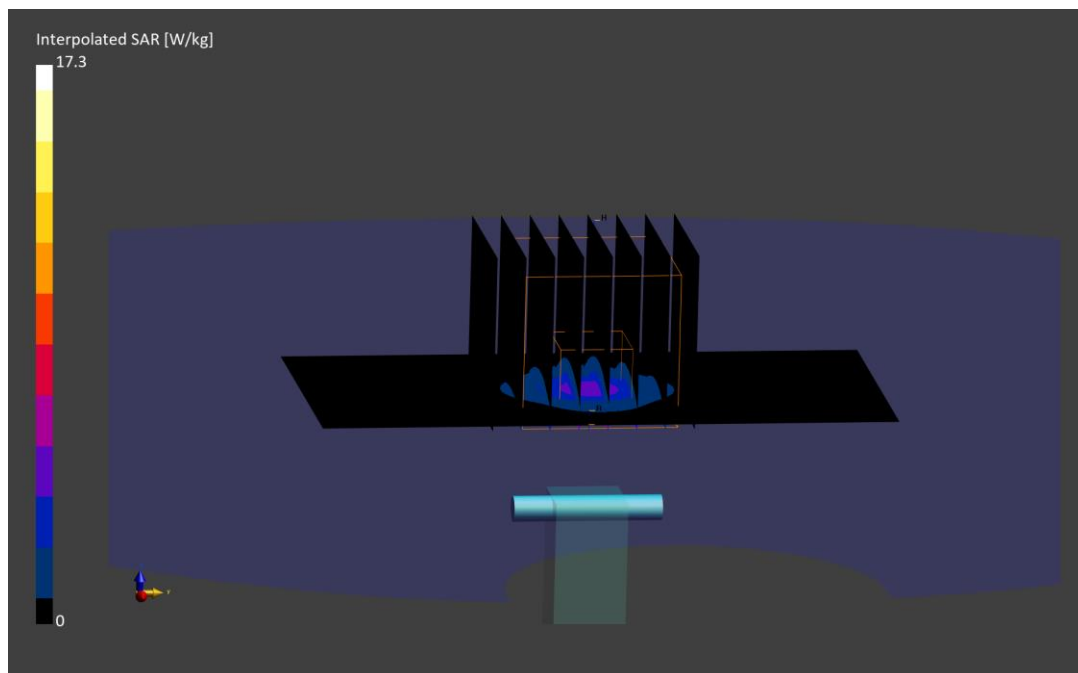
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (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) = 17.3 W/kg

SAR(1 g) = 3.94 W/kg; SAR(10 g) = 1.13 W/kg

Deviation (1 g) = -1.25%; Deviation (10 g) = -0.44%



ELEMENT

DUT: Dipole 5750.000 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5750.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 5750.000 MHz; cond = 5.14 S/m; perm = 33.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/15/2025; Ambient Temp: 21.0°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7661; ConvF:(5.27,5.61,5.61); 2025-06-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; 2025-06-05
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)

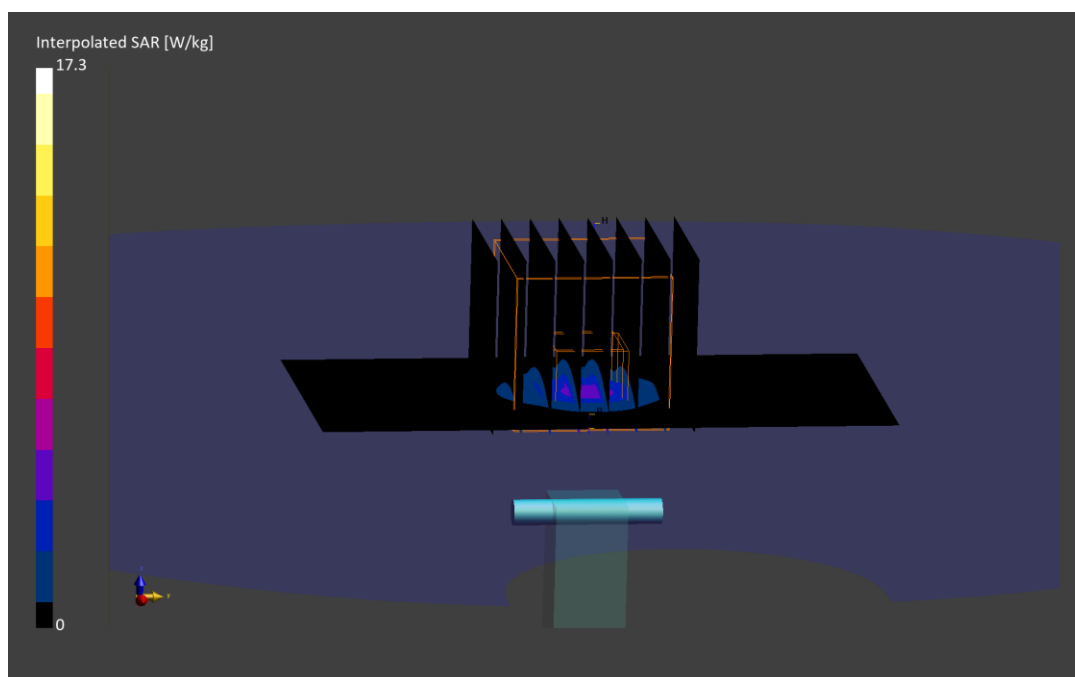
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (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) = 17.3 W/kg

SAR(1 g) = 3.86 W/kg; SAR(10 g) = 1.11 W/kg

Deviation (1 g) = -3.26%; Deviation (10 g) = -2.20%



ELEMENT

DUT: Dipole 5750.000 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5750.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

$f = 5750.000$ MHz; $\text{cond} = 5.05$ S/m; $\text{perm} = 33.8$; $\text{density} = 1000$ kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/22/2025; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7661; ConvF:(5.27,5.61,5.61); 2025-06-11

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

Electronics: DAE4 Sn1558; 2025-06-05

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)

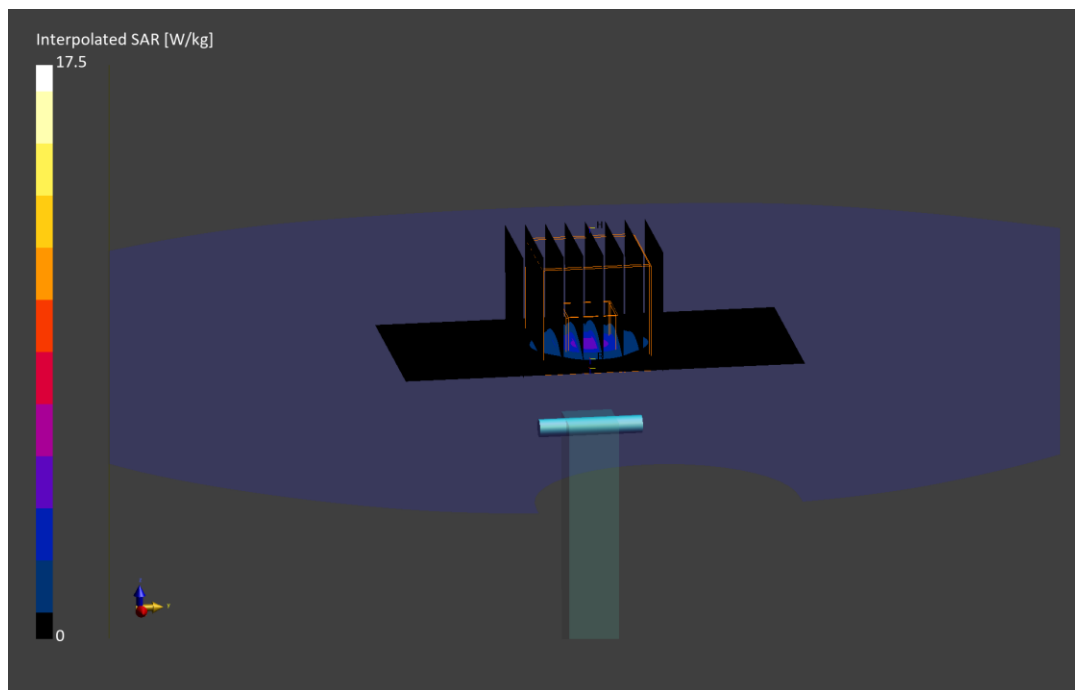
Area Scan (40.0 x 80.0): Measurement grid: $dx=10.0$ mm, $dy=10.0$ mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: $dx=4.0$ mm, $dy=4.0$ mm, $dz=1.4$ mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 17.5 W/kg

SAR(1 g) = 3.84 W/kg; SAR(10 g) = 1.10 W/kg

Deviation (1 g) = -3.76%; Deviation (10 g) = -3.08%



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 = 5.35 S/m; perm = 34.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2025; Ambient Temp: 20.3°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7718; ConvF:(5.03,5.02,5.2); 2025-04-08

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

Electronics: DAE4 Sn1407; 2025-04-07

Phantom: Twin-SAM V8.0; Serial: 2060

Measurement SW: DASY Module SAR V16.4.0.5005

5850.0 MHz System Verification at 17.0 dBm (50 mW)

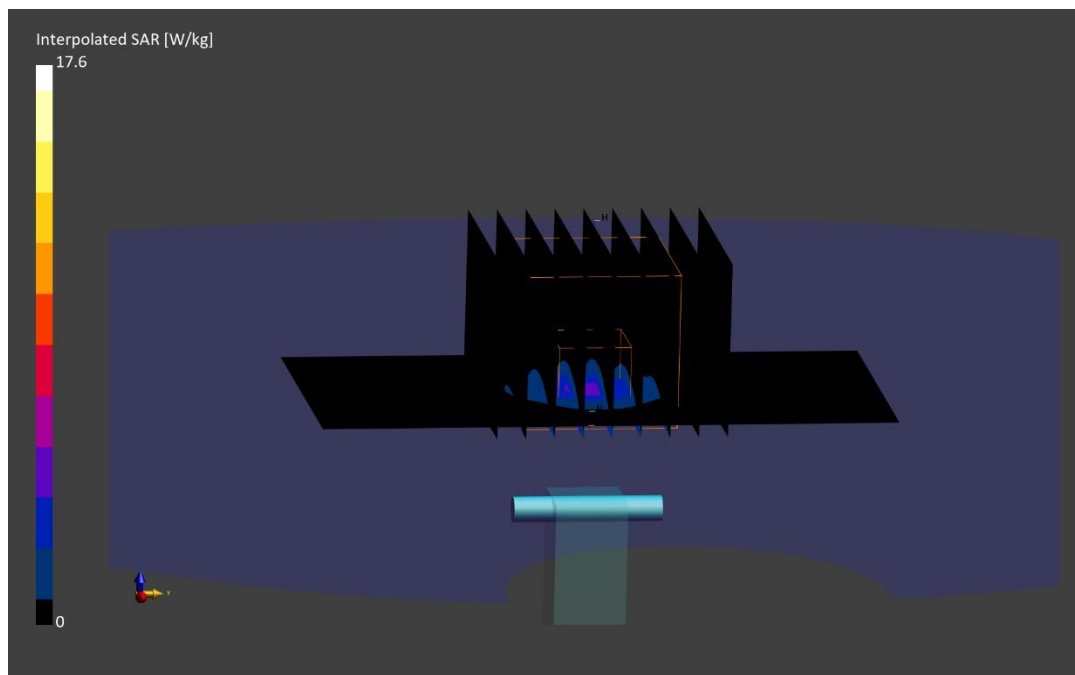
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 17.5 W/kg

SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.06 W/kg

Deviation (1 g) = -5.33%; Deviation (10 g) = -5.78%



ELEMENT

DUT: Dipole 5850.000 MHz; Type: D5GHzV2 - SN1057

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

Medium: Head Simulating Liquid; Medium parameters used:

f = 5850.000 MHz; cond = 5.23 S/m; perm = 34.8; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/07/2025; Ambient Temp: 22.1°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7661; ConvF:(5.07,5.39,5.38); 2025-06-11

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

Electronics: DAE4 Sn1558; 2025-06-05

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)

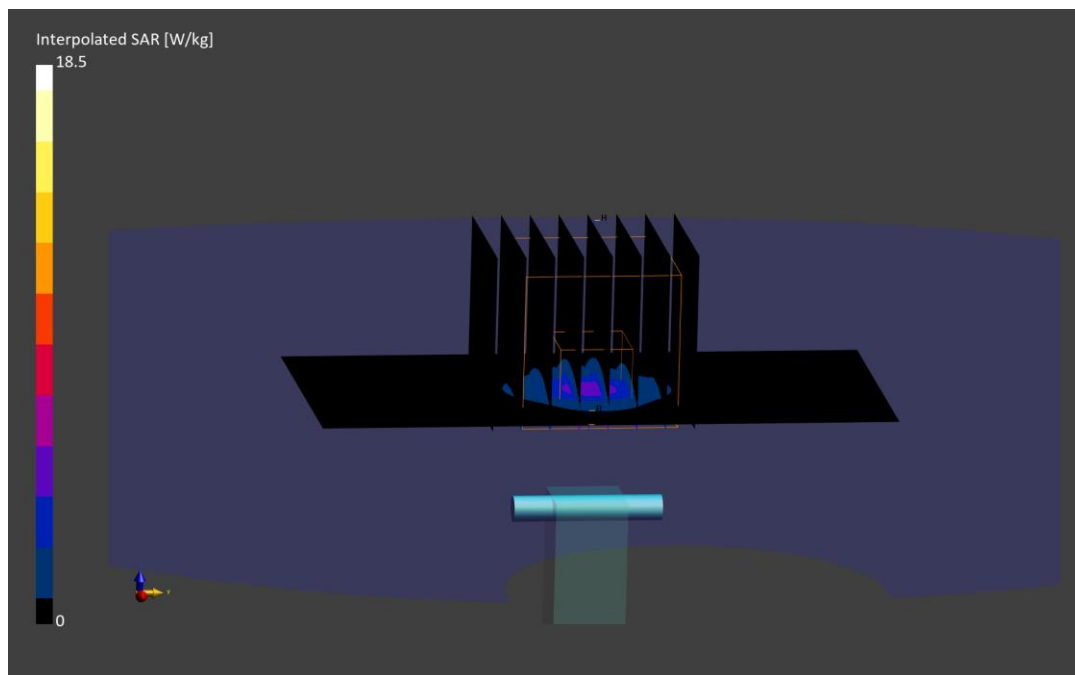
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 18.5 W/kg

SAR(1 g) = 4.11 W/kg; SAR(10 g) = 1.17 W/kg

Deviation (1 g) = 0.86%; Deviation (10 g) = 1.74%



ELEMENT

DUT: Dipole 5850.000 MHz; Type: D5GHzV2 - SN1057

Communication System: UID: 0, CW; Frequency: 5850.000 MHz
Medium: Head Simulating Liquid; Medium parameters used:
f = 5850.000 MHz; cond = 5.27 S/m; perm = 33.8; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 07/15/2025; Ambient Temp: 21.0°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7661; ConvF:(5.07,5.39,5.38); 2025-06-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; 2025-06-05
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)

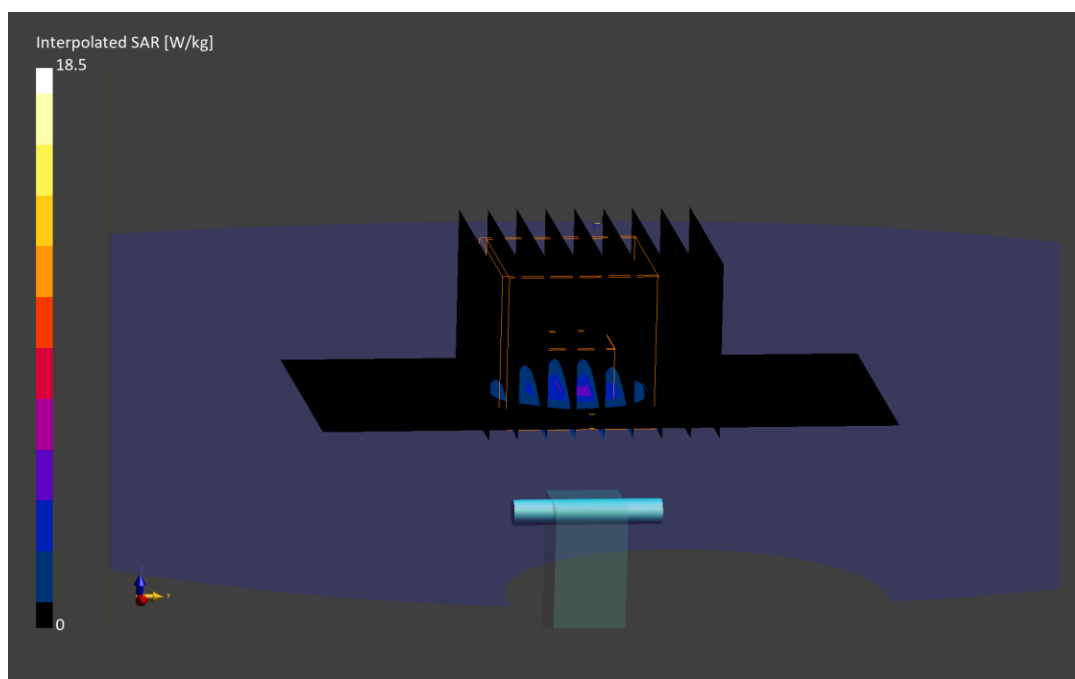
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (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) = 18.5 W/kg

SAR(1 g) = 4.01 W/kg; SAR(10 g) = 1.14 W/kg

Deviation (1 g) = -1.60%; Deviation (10 g) = -0.87%



ELEMENT

DUT: Dipole 5850.000 MHz; Type: D5GHzV2 - SN1057

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

Medium: Head Simulating Liquid; Medium parameters used:

f = 5850.000 MHz; cond = 5.16 S/m; perm = 33.6; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 07/22/2025; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7661; ConvF:(5.07,5.39,5.38); 2025-06-11

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

Electronics: DAE4 Sn1558; 2025-06-05

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)

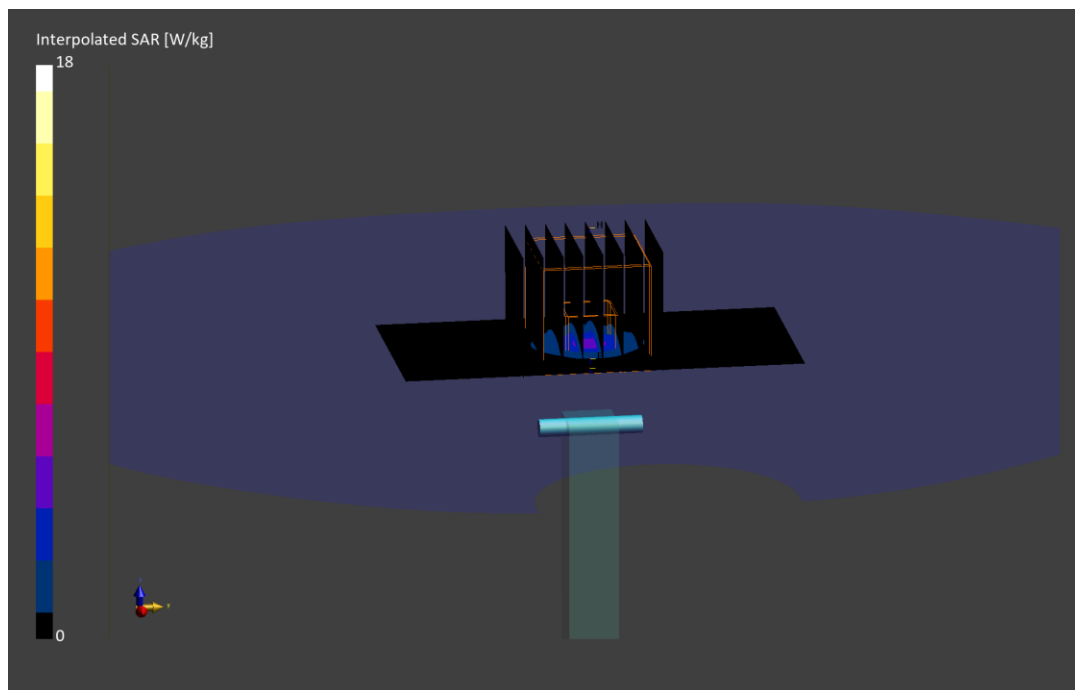
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

Zoom Scan (22.0 x 22.0 x 22.0): Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 3.89 W/kg; SAR(10 g) = 1.10 W/kg

Deviation (1 g) = -4.54%; Deviation (10 g) = -4.35%



ELEMENT

DUT: Dipole 6500.000 MHz; Type: D6.5GHzV2 - SN1018

Communication System: UID: 0, CW; Frequency: 6500.000 MHz

Medium: Head; Medium parameters used:

f = 6500.000 MHz; cond = 6.28 S/m; perm = 33.9; density = 1000 kg/m³

Phantom Section: Flat; Space: 5 mm

Test Date: 06/27/2025; Ambient Temp: 24.6°C; Tissue Temp: 21.1°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)

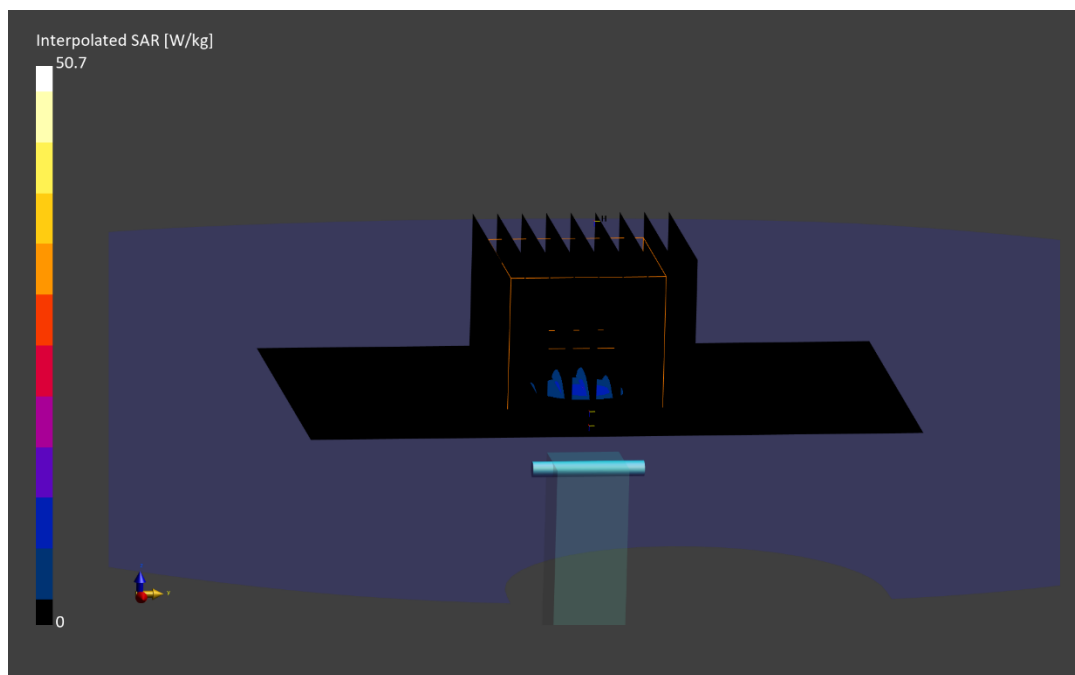
Area Scan (51.0 x 85.0): Measurement grid: dx=8.5 mm, dy=8.5 mm

Zoom Scan (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) = 50.7 W/kg

SAR(1 g) = 7.80 W/kg; SAR(10 g) = 1.43 W/kg; APD(4.0 cm²) = 34.7 W/m²

Deviation (1 g) = 6.85%; Deviation (10 g) = 6.12% Deviation (APD) = 5.95%



ELEMENT

DUT: Dipole 6500.000 MHz; Type: D6.5GHzV2 - SN1018

Communication System: UID: 0, CW; Frequency: 6500.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 6500.000 MHz; cond = 6.19 S/m; perm = 34.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 5 mm

Test Date: 07/14/2025; Ambient Temp: 21.9°C; Tissue Temp: 20.3°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)

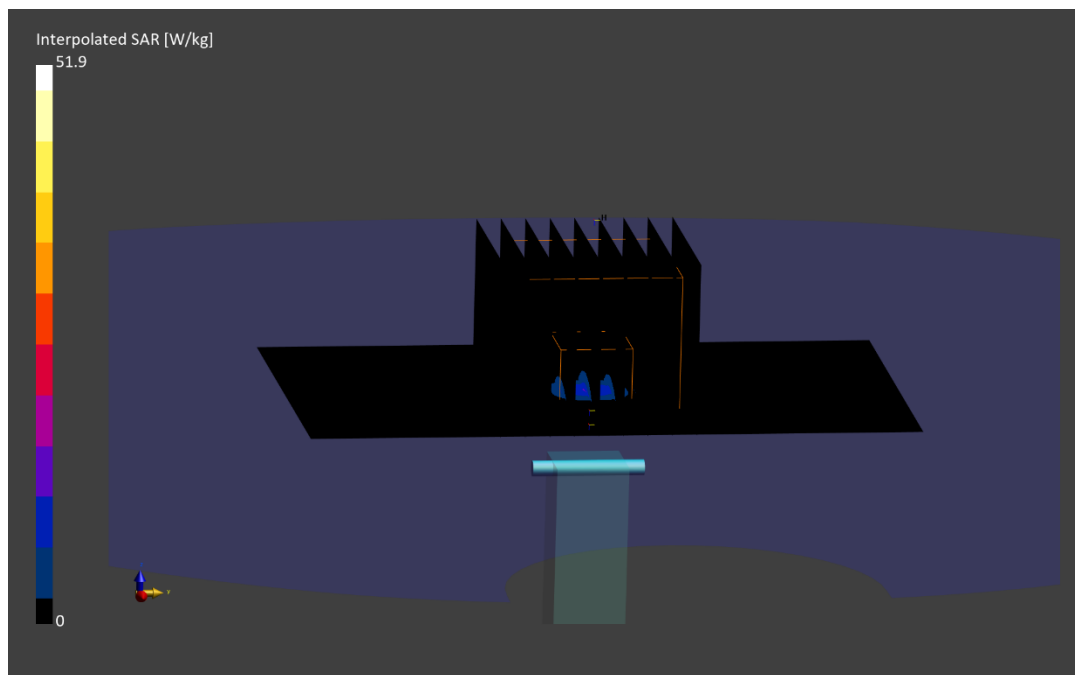
Area Scan (51.0 x 85.0): Measurement grid: dx=8.5 mm, dy=8.5 mm

Zoom Scan (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) = 51.9 W/kg

SAR(1 g) = 7.85 W/kg; SAR (10 g) = 1.44 W/kg APD(4.0 cm²) = 34.8 W/m²

Deviation (1 g) = 7.53%; Deviation (10 g) = 6.86%; Deviation (APD) = 6.26%



ELEMENT

DUT: Dipole 6500.000 MHz; Type: D6.5GHzV2 - SN1018

Communication System: UID: 0, CW; Frequency: 6500.000 MHz

Medium: Head Simulating Liquid; Medium parameters used:

f = 6500.000 MHz; cond = 6.04 S/m; perm = 34.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 5 mm

Test Date: 07/21/2025; Ambient Temp: 23.4°C; Tissue Temp: 21.1°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)

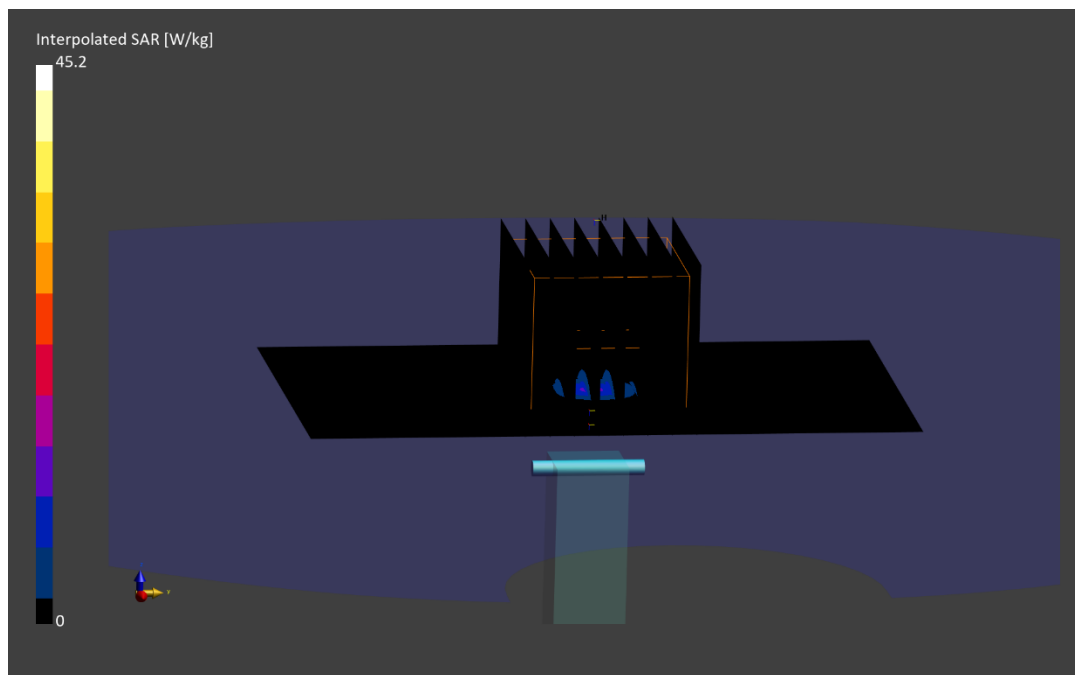
Area Scan (51.0 x 85.0): Measurement grid: dx=8.5 mm, dy=8.5 mm

Zoom Scan (27.2 x 23.8 x 22.9): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4

Peak SAR (extrapolated) = 45.2 W/kg

SAR(1 g) = 7.03 W/kg; SAR(10 g) = 1.28 W/kg; APD(4.0 cm²) = 31.1 W/m²

Deviation (1 g) = -3.70%; Deviation (10 g) = -5.01%; Deviation (APD) = -5.04%



Date: 2025-07-21

Measurement Group

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]	53.4
pS _n avg [W/m²]	52.7
E _{peak} [V/m]	153
Deviation [dB] pS _{tot}	-0.05
Deviation [dB] pS _n	-0.09

