

APPENDIX A: VERIFICATION PLOTS

ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1161

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

Medium: Head Simulating Liquid; Medium parameters used:

f = 750.000 MHz; cond = 0.902 S/m; perm = 41.5; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 02/25/2025; Ambient Temp: 21.3°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7410; ConvF:(9.36,9.24,9.78); 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

750.0 MHz System Verification at 23.0 dBm (200 mW)

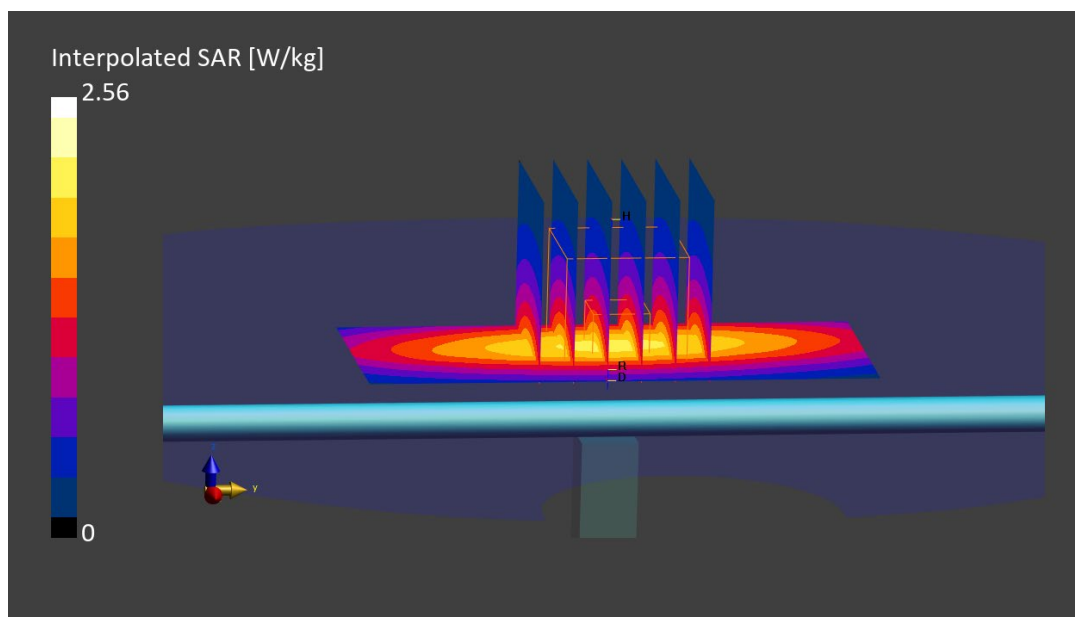
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 1.73 W/kg

Deviation (1 g) = 3.47%



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 = 0.934 S/m; perm = 41.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 15 mm

Test Date: 02/25/2025; Ambient Temp: 21.3°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7410; ConvF:(9.02,8.9,9.42); 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

835.0 MHz System Verification at 23.0 dBm (200 mW)

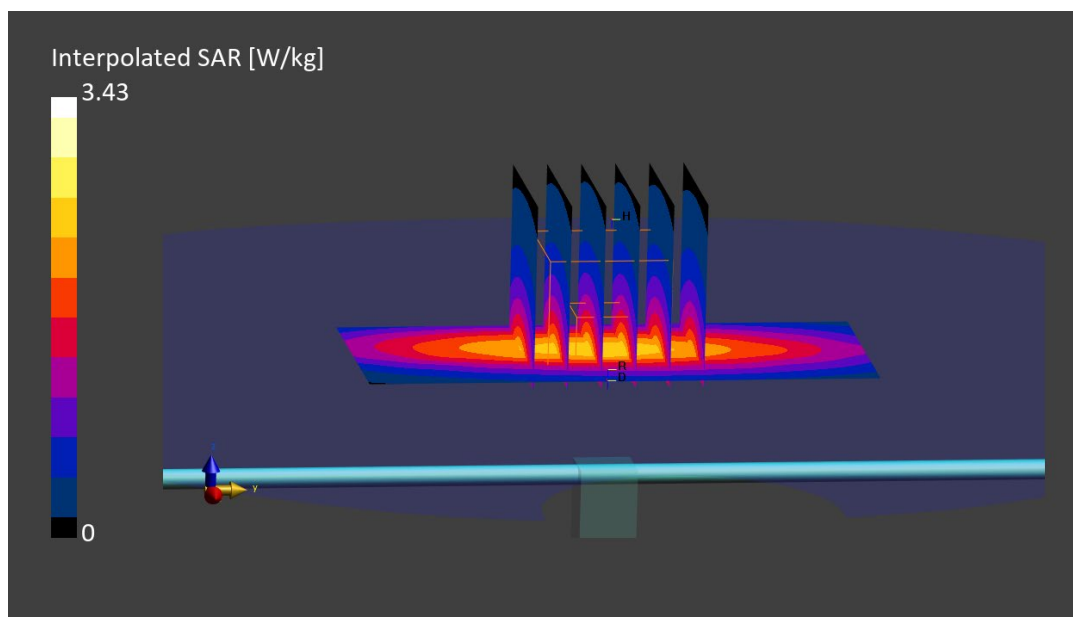
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 3.43 W/kg

SAR(1 g) = 2.12 W/kg

Deviation (1 g) = 7.72%



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 = 1.46 S/m; perm = 39.0; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 02/25/2025; Ambient Temp: 21.3°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7410; ConvF:(7.58,7.48,7.91); 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

1900.0 MHz System Verification at 20.0 dBm (100 mW)

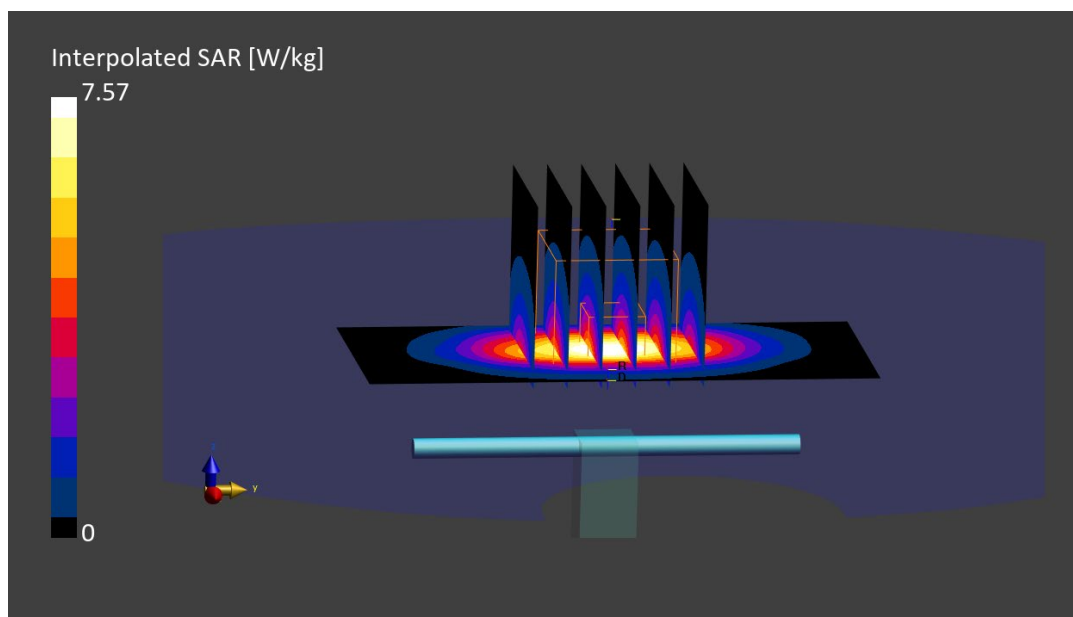
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 7.57 W/kg

SAR(1 g) = 4.25 W/kg

Deviation (1 g) = 7.32%



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 = 1.78 S/m; perm = 41.1; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 03/01/2025; Ambient Temp: 23.3°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7803; ConvF:(7.06,7.22,7.34); 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

2450.0 MHz System Verification at 20.0 dBm (100 mW)

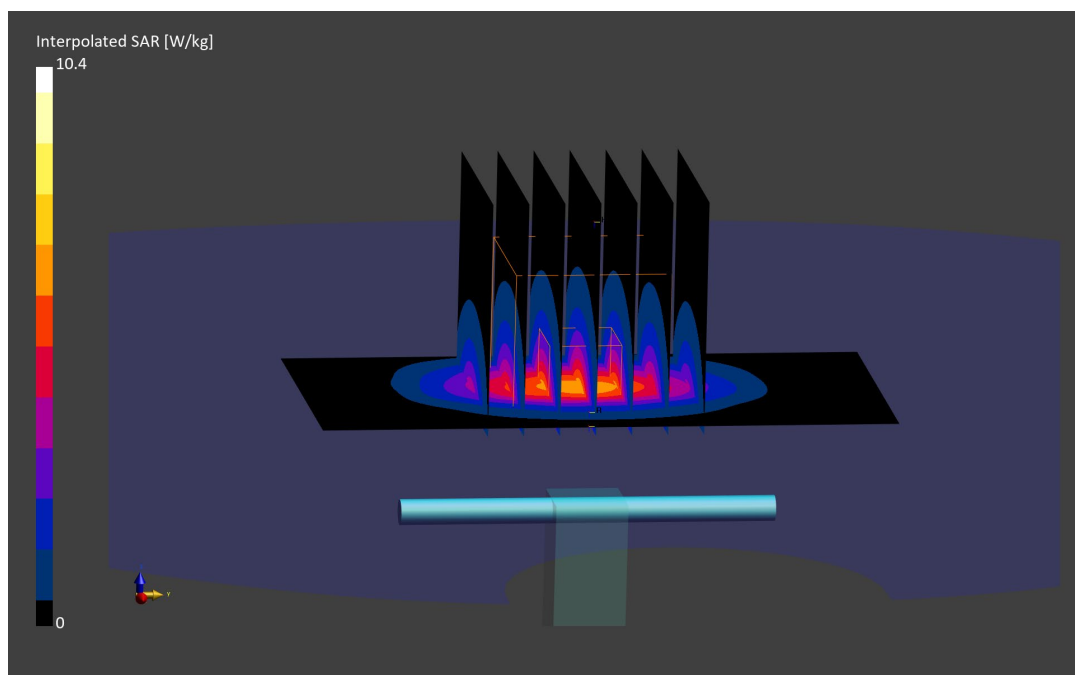
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 10.4 W/kg

SAR(1 g) = 5.30 W/kg

Deviation (1 g) = 1.92%



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 = 2.91 S/m; perm = 38.3; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 03/03/2025; Ambient Temp: 21.0°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7661; ConvF:(6.4,6.87,7.05); 2024-06-17

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

Electronics: DAE4 Sn1558; 2024-06-11

Phantom: Twin-SAM V8.0 (Left); Serial: 1964

Measurement SW: DASY Module SAR V16.4.0.5005

3500.0 MHz System Verification at 20.0 dBm (100 mW)

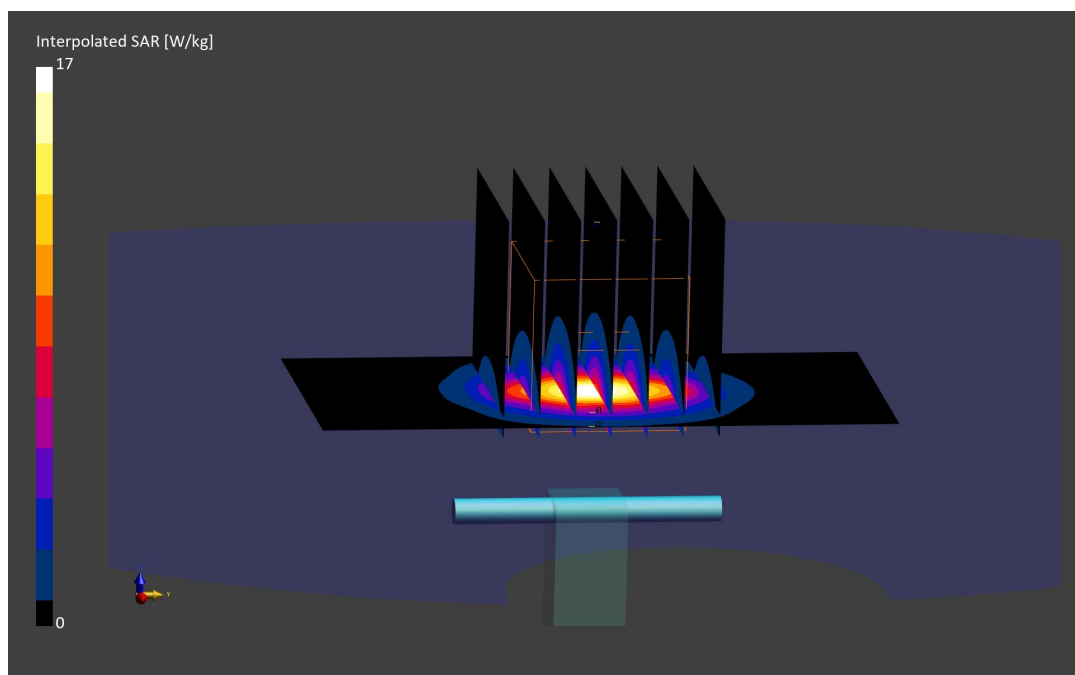
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 17.0 W/kg

SAR(1 g) = 6.90 W/kg

Deviation (1 g) = 6.32%



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; cond = 3.12 S/m; perm = 37.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 03/03/2025; Ambient Temp: 21.0°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7661; ConvF:(6.36,6.84,7.01); 2024-06-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; 2024-06-11
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.4.0.5005

3700.0 MHz System Verification at 20.0 dBm (100 mW)

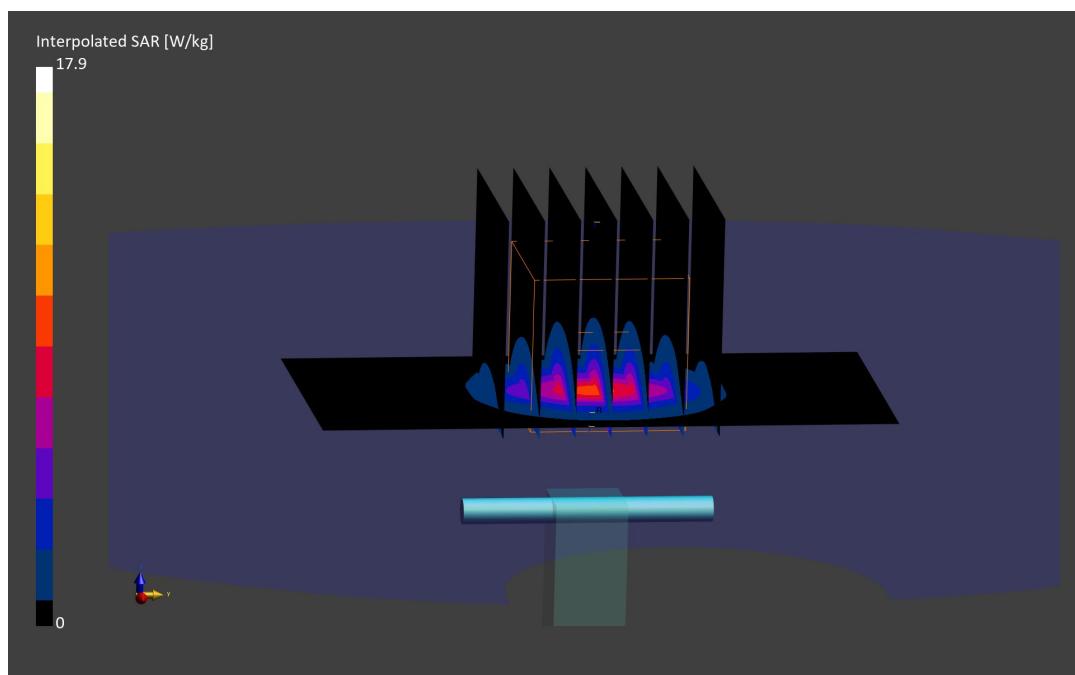
Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm

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) = 6.85 W/kg

Deviation (1 g) = 5.22%



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 = 4.52 S/m; perm = 37.3; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 02/28/2025; Ambient Temp: 23.2°C; Tissue Temp: 23.2°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 (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) = 15.2 W/kg

SAR(1 g) = 3.90 W/kg

Deviation (1 g) = -1.76%

