APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1161

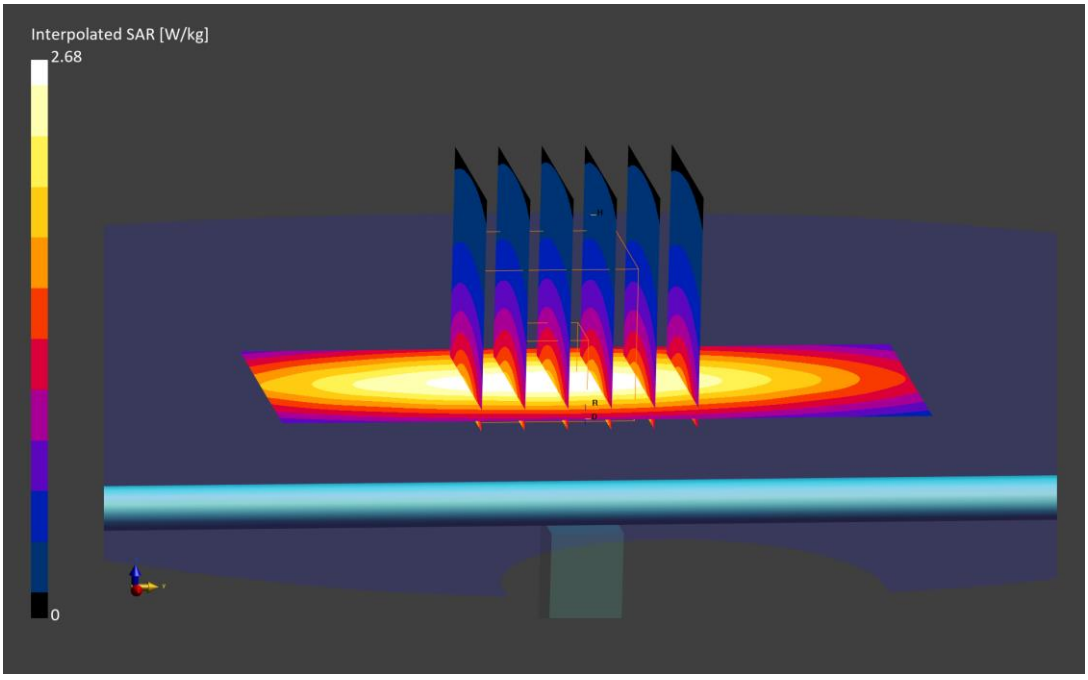
Communication System: UID: 0, CW; Frequency: 750.000 MHz
Medium: 750 Head; Medium parameters used:
f = 750.000 MHz; cond = 0.868 S/m; perm = 40.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 06/12/2024; Ambient Temp: 24.9°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7539; ConvF:(10.16,10.16,10.16); 2023-10-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4ip Sn1639; 2023-11-15
Phantom: Twin-SAM V8.0; Serial: 1980
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 2.68 W/kg
SAR(1 g) = 1.68 W/kg; SAR(10 g) = 1.09 W/kg
Deviation (1 g) = -0.47%; Deviation (10 g) = -1.09%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1054

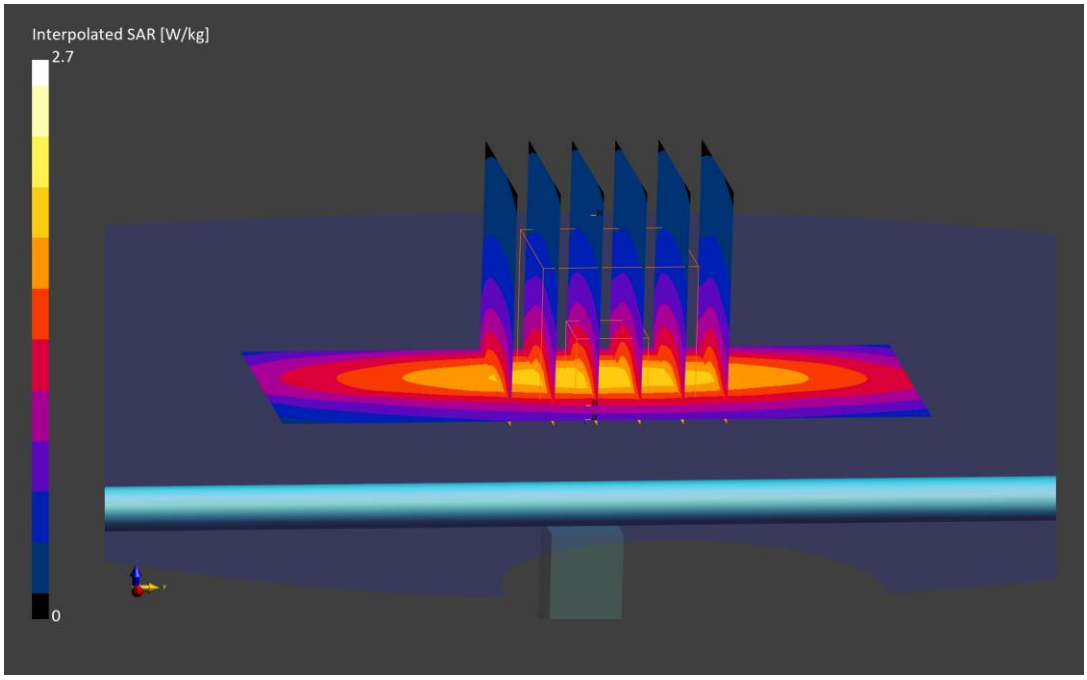
Communication System: UID: 0, CW; Frequency: 750.000 MHz
Medium: 750 Head; Medium parameters used:
f = 750.000 MHz; cond = 0.888 S/m; perm = 41.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 06/17/2024; Ambient Temp: 23.5°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7670; ConvF:(9.94,9.94,9.94); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 2.70 W/kg
SAR(1 g) = 1.68 W/kg; SAR(10 g) = 1.10 W/kg
Deviation (1 g) = -1.41%; Deviation (10 g) = -1.79%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1161

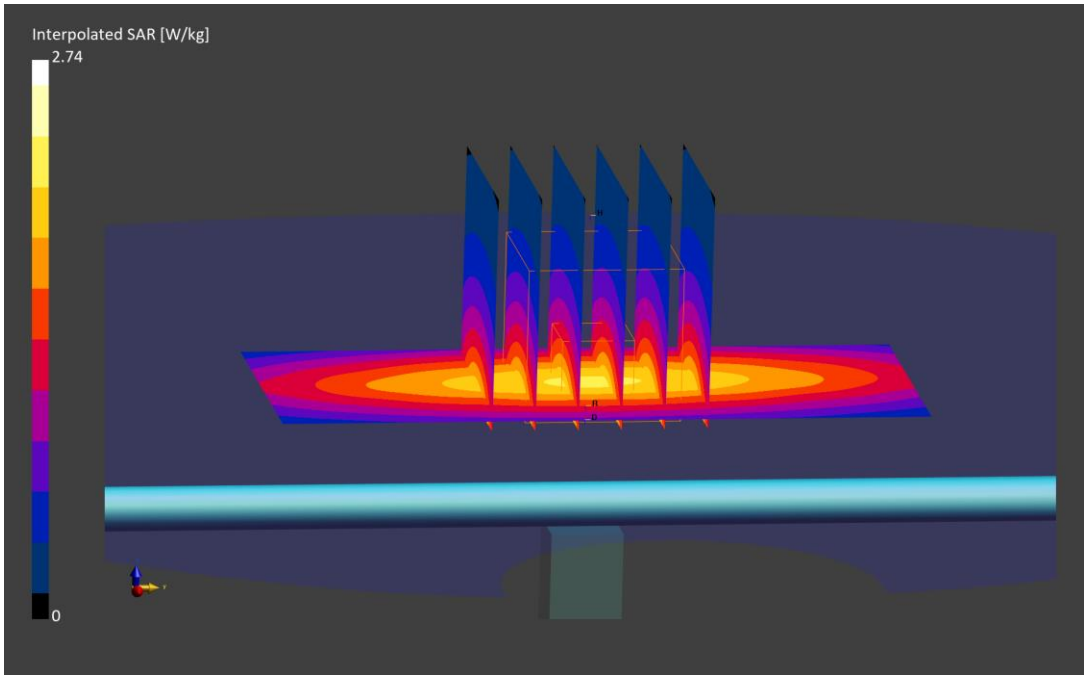
Communication System: UID: 0, CW; Frequency: 750.000 MHz
Medium: 750 Head; Medium parameters used:
f = 750.000 MHz; cond = 0.886 S/m; perm = 42.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 07/04/2024; Ambient Temp: 22.2°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3914; ConvF:(9.61,8.68,8.83); 2024-05-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 2.74 W/kg
SAR(1 g) = 1.82 W/kg; SAR(10 g) = 1.20 W/kg
Deviation (1 g) = 7.82%; Deviation (10 g) = 8.89%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1054

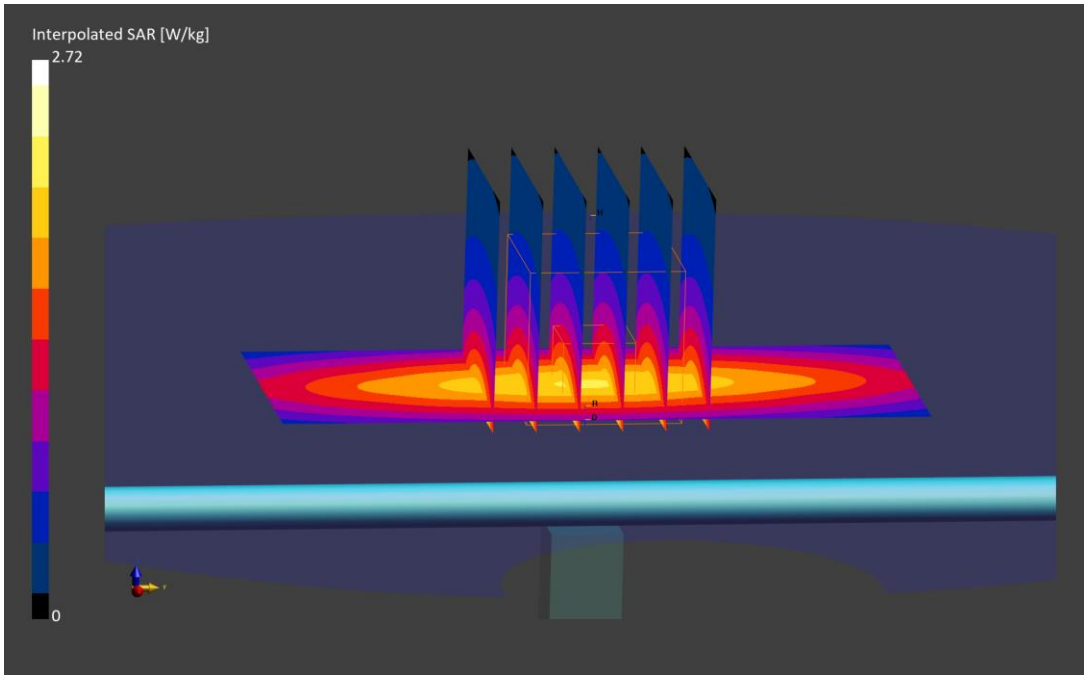
Communication System: UID: 0, CW; Frequency: 750.000 MHz
Medium: 750 Head; Medium parameters used:
f = 750.000 MHz; cond = 0.900 S/m; perm = 40.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 07/08/2024; Ambient Temp: 21.5°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN3914; ConvF:(9.61,8.68,8.83); 2024-05-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 2.72 W/kg
SAR(1 g) = 1.79 W/kg; SAR(10 g) = 1.18 W/kg
Deviation (1 g) = 5.05%; Deviation (10 g) = 5.36%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1054

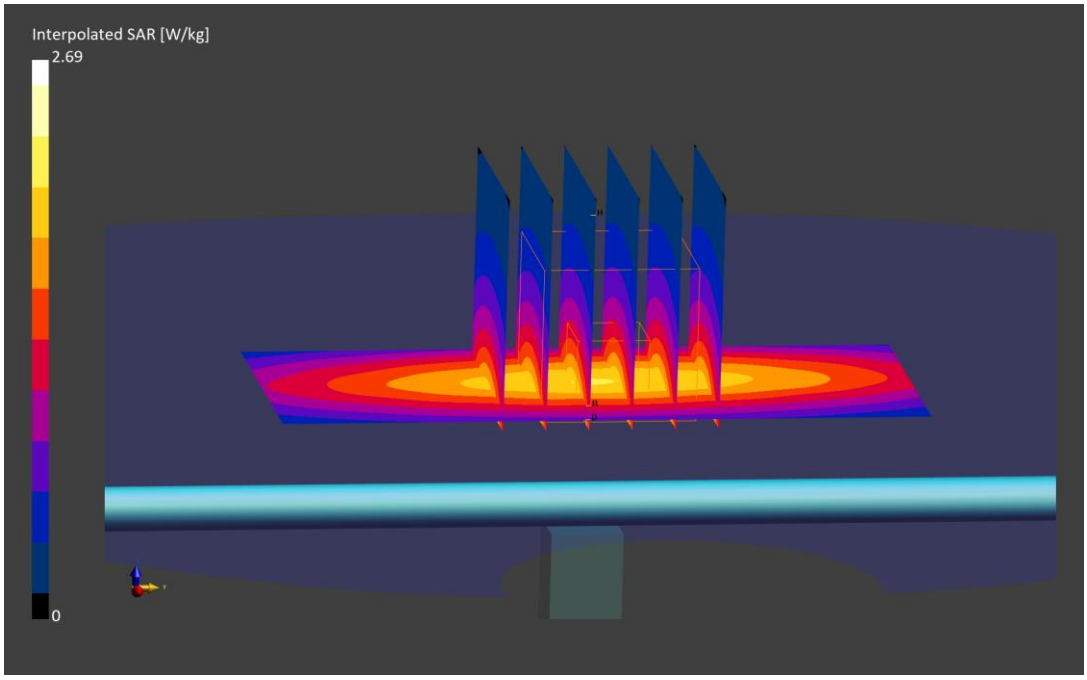
Communication System: UID: 0, CW; Frequency: 750.000 MHz
Medium: 750 Head; Medium parameters used:
f = 750.000 MHz; cond = 0.874 S/m; perm = 41.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 07/10/2024; Ambient Temp: 21.6°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3914; ConvF:(9.61,8.68,8.83); 2024-05-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 2.69 W/kg
SAR(1 g) = 1.77 W/kg; SAR(10 g) = 1.17 W/kg
Deviation (1 g) = 3.87%; Deviation (10 g) = 4.46%



ELEMENT

DUT: Dipole 750.000 MHz; Type: D750V3 - SN1054

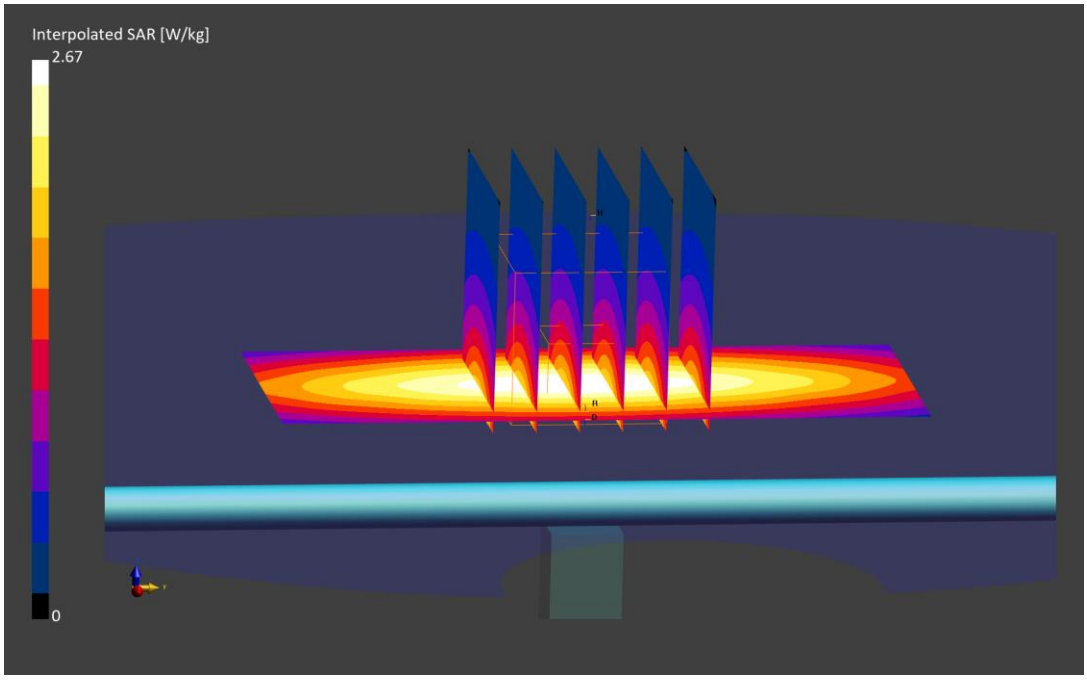
Communication System: UID: 0, CW; Frequency: 750.000 MHz
Medium: 750 Head; Medium parameters used:
f = 750.000 MHz; cond = 0.870 S/m; perm = 41.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 07/15/2024; Ambient Temp: 21.3°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN3914; ConvF:(9.61,8.68,8.83); 2024-05-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 2.68 W/kg
SAR(1 g) = 1.78 W/kg; SAR(10 g) = 1.18 W/kg
Deviation (1 g) = 4.46%; Deviation (10 g) = 5.36%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d133

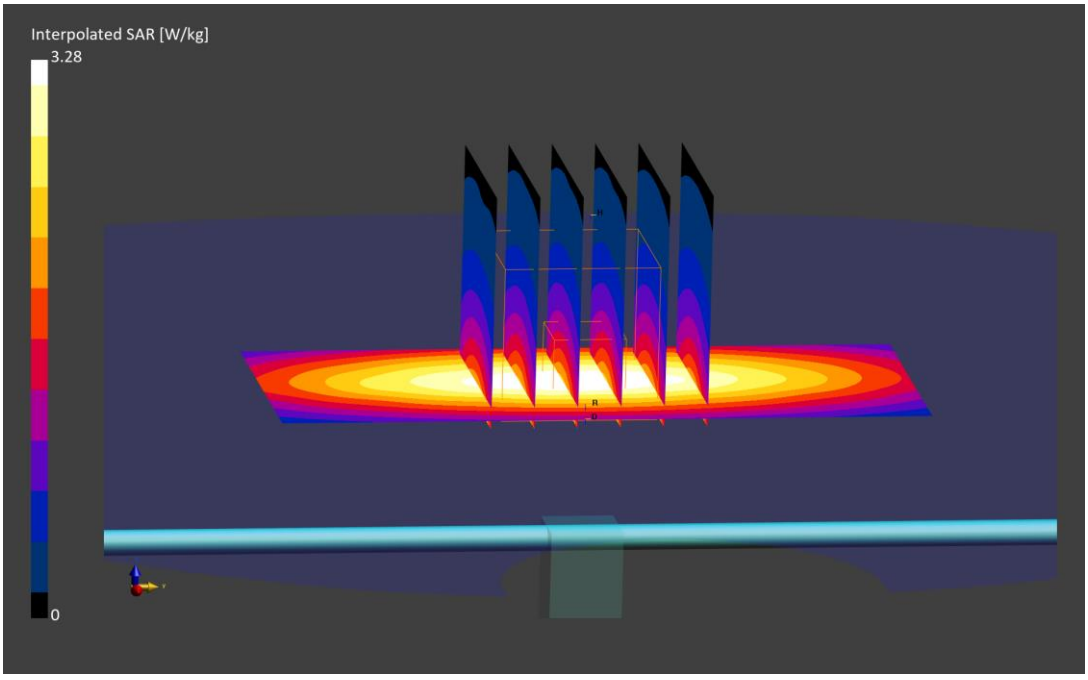
Communication System: UID: 0, CW; Frequency: 835.000 MHz
Medium: 835 Head; Medium parameters used:
f = 835.000 MHz; cond = 0.897 S/m; perm = 40.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 06/12/2024; Ambient Temp: 24.9°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7539; ConvF:(9.79,9.79,9.79); 2023-10-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4ip Sn1639; 2023-11-15
Phantom: Twin-SAM V8.0; Serial: 1980
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 3.28 W/kg
SAR(1 g) = 2.00 W/kg; SAR(10 g) = 1.28 W/kg
Deviation (1 g) = 0.60%; Deviation (10 g) = -1.39%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d133

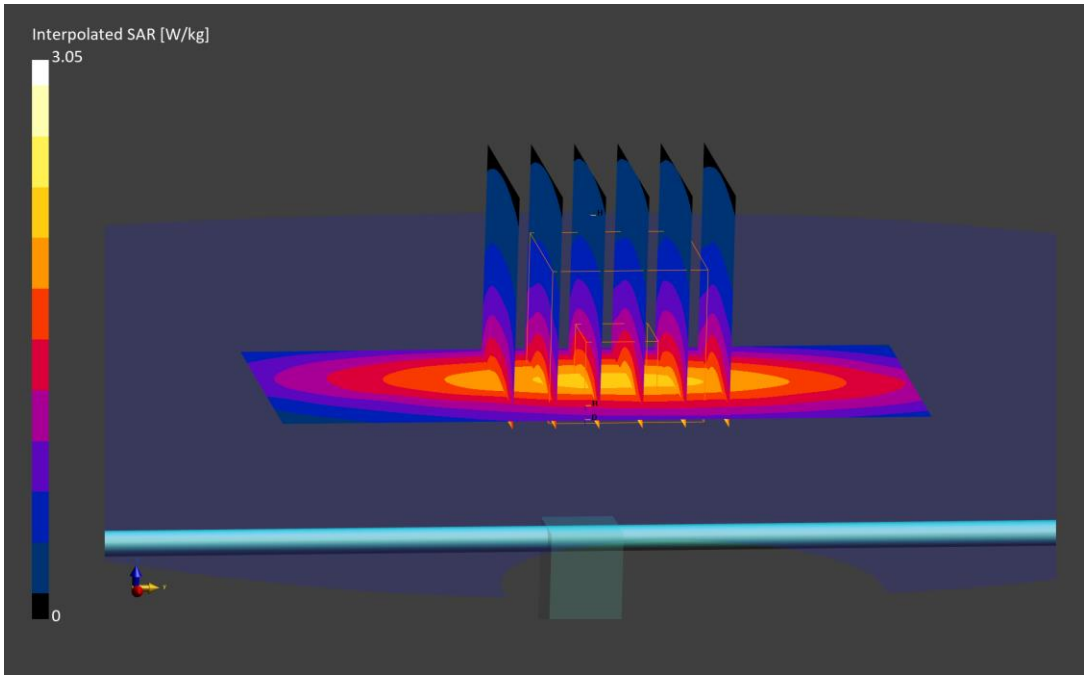
Communication System: UID: 0, CW; Frequency: 835.000 MHz
Medium: 835 Head; Medium parameters used:
f = 835.000 MHz; cond = 0.918 S/m; perm = 41.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 06/17/2024; Ambient Temp: 23.5°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7670; ConvF:(9.68,9.68,9.68); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 3.05 W/kg
SAR(1 g) = 1.86 W/kg; SAR(10 g) = 1.22 W/kg
Deviation (1 g) = -6.44%; Deviation (10 g) = -6.01%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d133

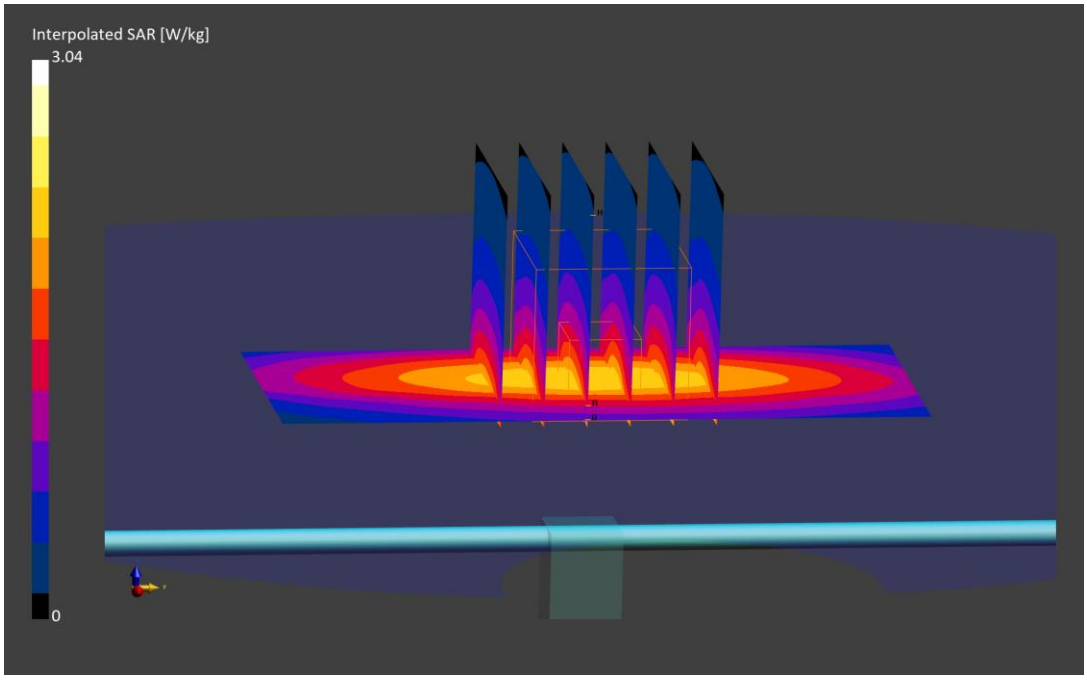
Communication System: UID: 0, CW; Frequency: 835.000 MHz
Medium: 835 Head; Medium parameters used:
f = 835.000 MHz; cond = 0.901 S/m; perm = 41.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 06/18/2024; Ambient Temp: 24.1°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7670; ConvF:(9.68,9.68,9.68); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 3.04 W/kg
SAR(1 g) = 1.92 W/kg; SAR(10 g) = 1.25 W/kg
Deviation (1 g) = -3.42%; Deviation (10 g) = -3.70%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d132

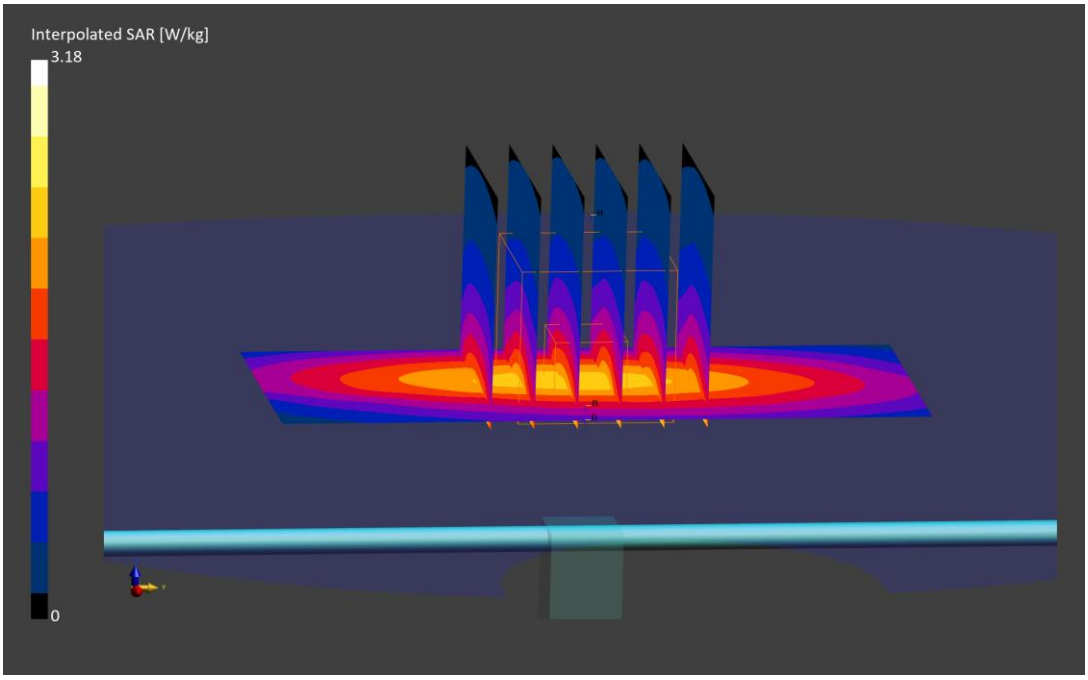
Communication System: UID: 0, CW; Frequency: 835.000 MHz
Medium: 835 Head; Medium parameters used:
f = 835.000 MHz; cond = 0.905 S/m; perm = 41.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 07/10/2024; Ambient Temp: 23.5°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7670; ConvF:(9.68,9.68,9.68); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 3.18 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 - SN4d047

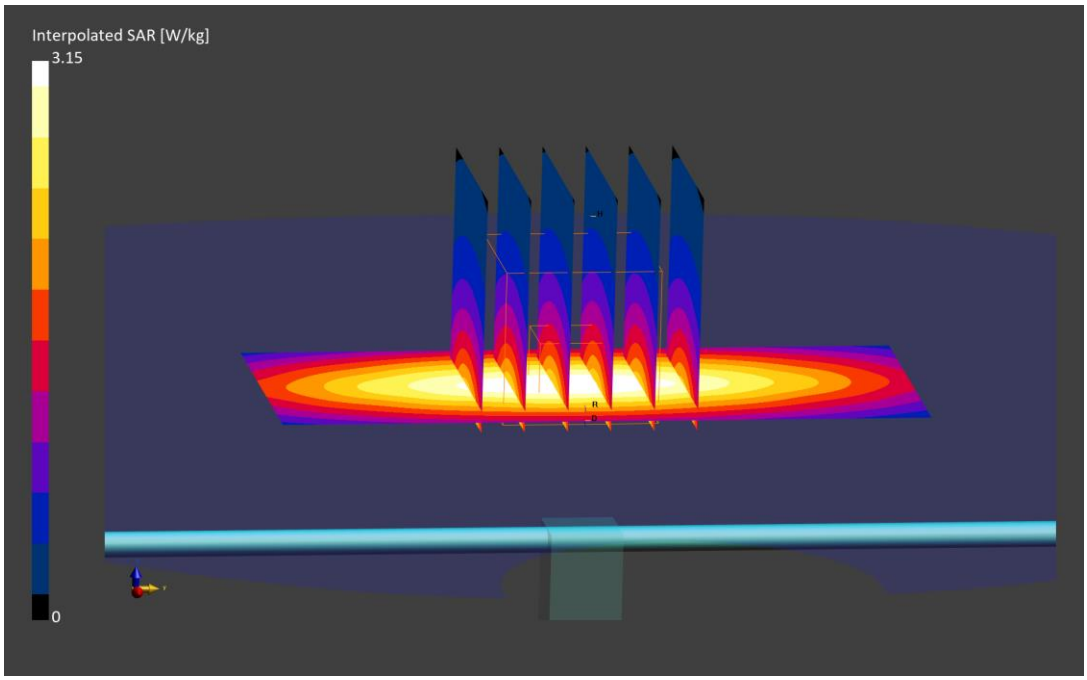
Communication System: UID: 0, CW; Frequency: 835.000 MHz
Medium: 835 Head; Medium parameters used:
f = 835.000 MHz; cond = 0.905 S/m; perm = 41.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 07/10/2024; Ambient Temp: 21.6°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN3914; ConvF:(9.48,8.48,8.69); 2024-05-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 3.15 W/kg
SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.37 W/kg
Deviation (1 g) = 8.29%; Deviation (10 g) = 8.56%



ELEMENT

DUT: Dipole 835.000 MHz; Type: D835V2 - SN4d047

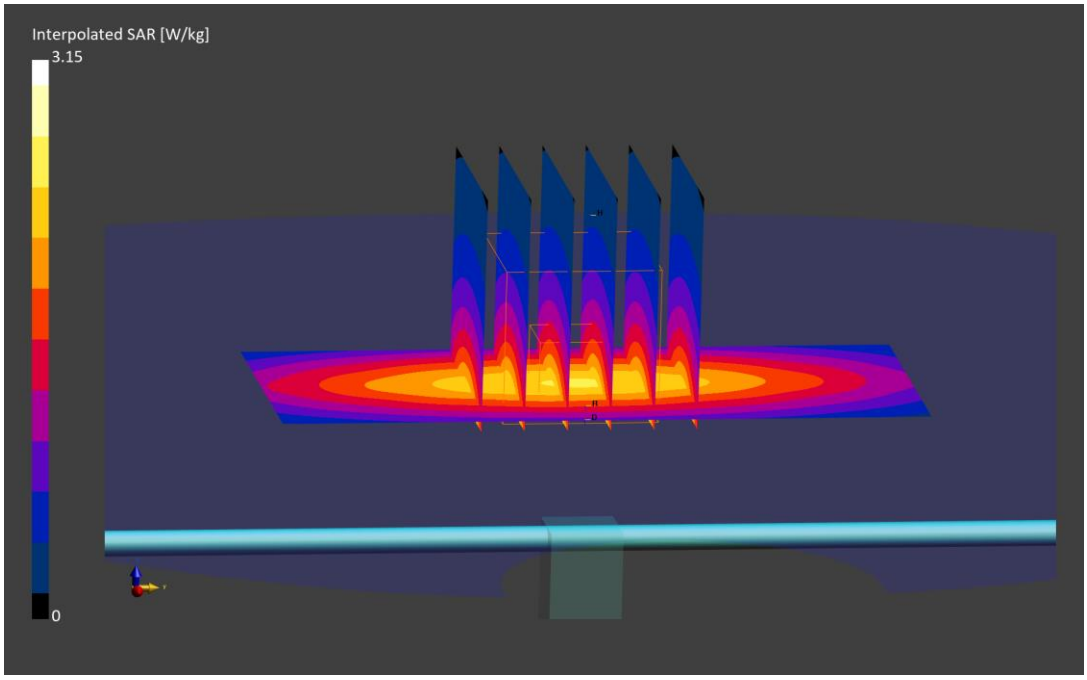
Communication System: UID: 0, CW; Frequency: 835.000 MHz
Medium: 835 Head; Medium parameters used:
f = 835.000 MHz; cond = 0.900 S/m; perm = 40.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 07/15/2024; Ambient Temp: 21.3°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN3914; ConvF:(9.48,8.48,8.69); 2024-05-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 3.15 W/kg
SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.37 W/kg
Deviation (1 g) = 8.29%; Deviation (10 g) = 8.56%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1150

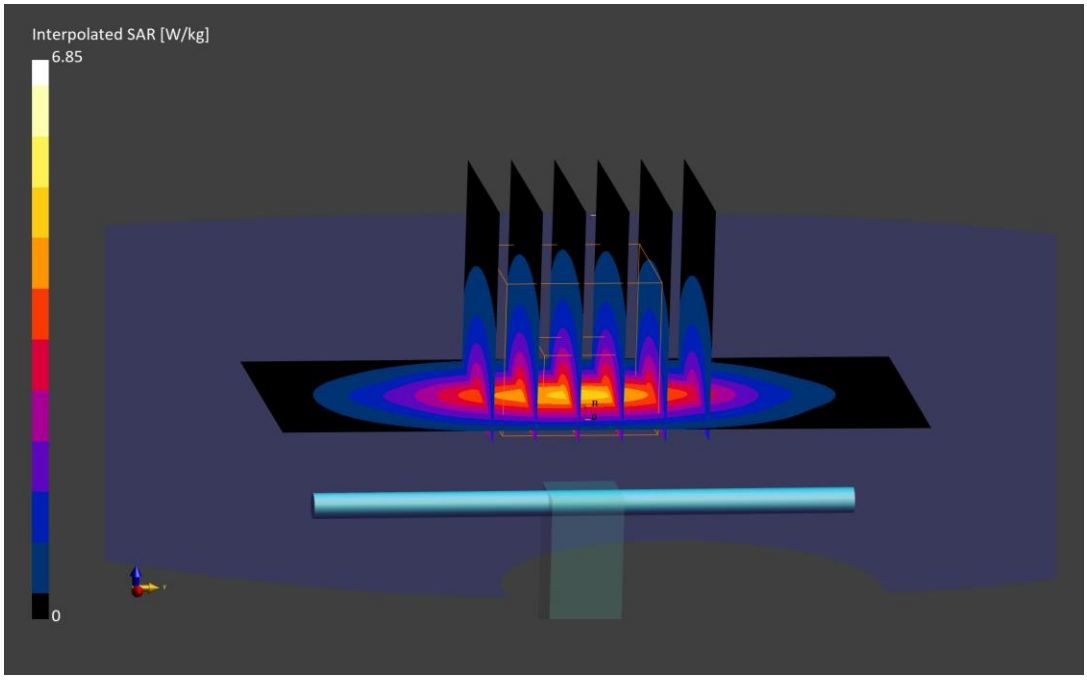
Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.000 MHz; cond = 1.36 S/m; perm = 39.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/19/2024; Ambient Temp: 20.1°C; Tissue Temp: 19.3°C

Probe: EX3DV4 - SN7718; ConvF:(7.81,7.9,8.22); 2024-04-17
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn665; 2024-03-01
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 6.85 W/kg
SAR(1 g) = 3.73 W/kg; SAR(10 g) = 2.00 W/kg
Deviation (1 g) = 1.08%; Deviation (10 g) = 3.09%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1150

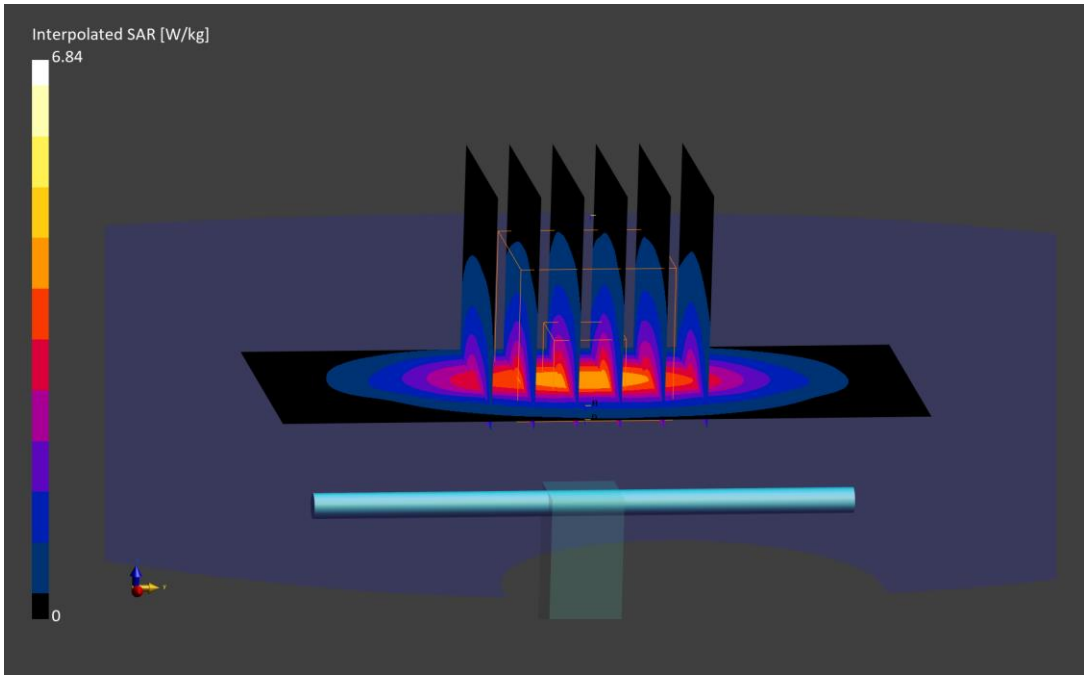
Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.000 MHz; cond = 1.31 S/m; perm = 40.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2024; Ambient Temp: 22.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7670; ConvF:(8.47,8.47,8.47); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 6.84 W/kg
SAR(1 g) = 3.63 W/kg; SAR(10 g) = 1.95 W/kg
Deviation (1 g) = -1.63%; Deviation (10 g) = 0.52%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1150

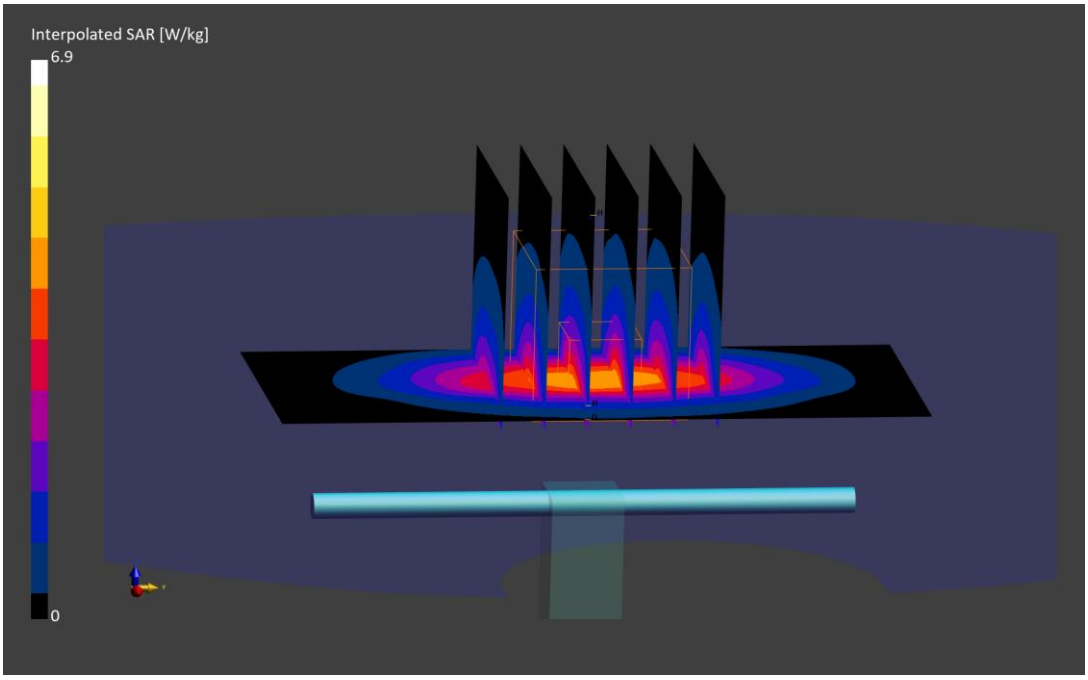
Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.000 MHz; cond = 1.31 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/01/2024; Ambient Temp: 22.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7670; ConvF:(8.47,8.47,8.47); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 6.90 W/kg
SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.95 W/kg
Deviation (1 g) = -0.81%; Deviation (10 g) = 0.52%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1148

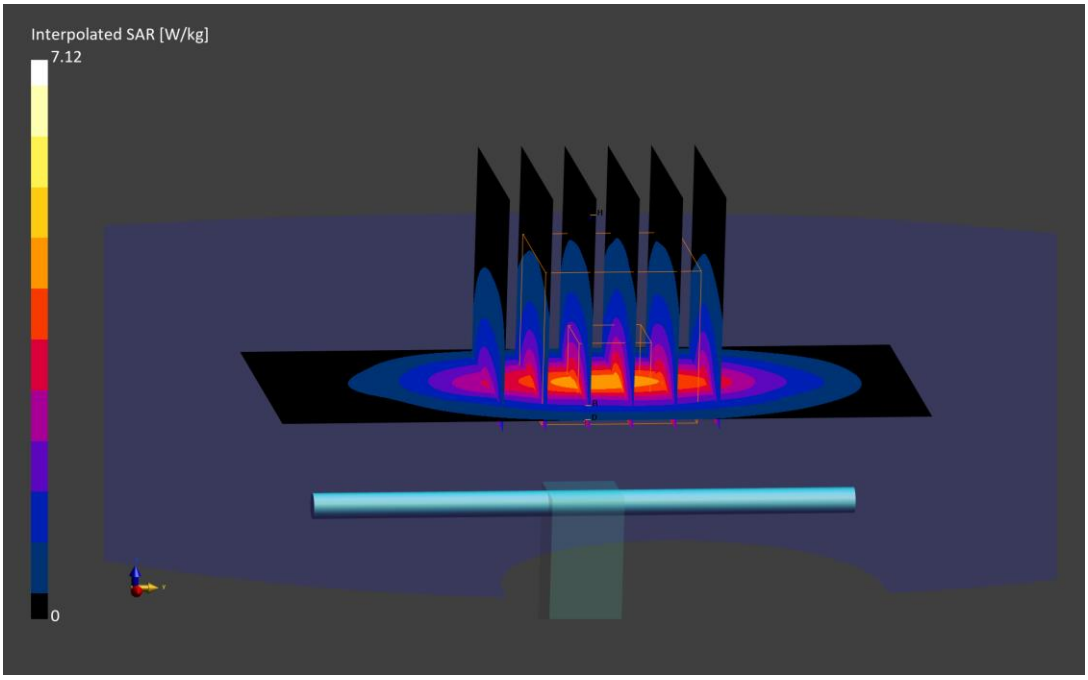
Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.000 MHz; cond = 1.32 S/m; perm = 40.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2024; Ambient Temp: 23.5°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7670; ConvF:(8.47,8.47,8.47); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 7.12 W/kg
SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.98 W/kg
Deviation (1 g) = 0.27%; Deviation (10 g) = 2.06%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1150

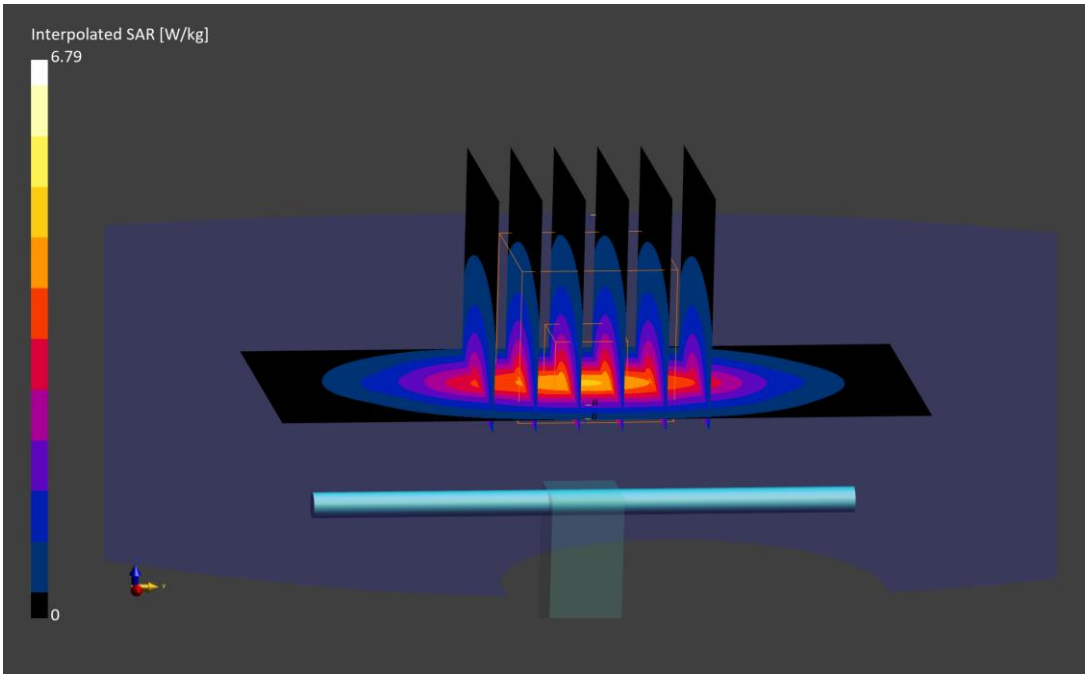
Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.000 MHz; cond = 1.36 S/m; perm = 41.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2024; Ambient Temp: 24.1°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7527; ConvF:(8.08,7.43,8.45); 2024-03-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; 2024-03-12
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 6.78 W/kg
SAR(1 g) = 3.72 W/kg; SAR(10 g) = 2.00 W/kg
Deviation (1 g) = 0.81%; Deviation (10 g) = 3.09%



ELEMENT

DUT: Dipole 1750.000 MHz; Type: D1750V2 - SN1150

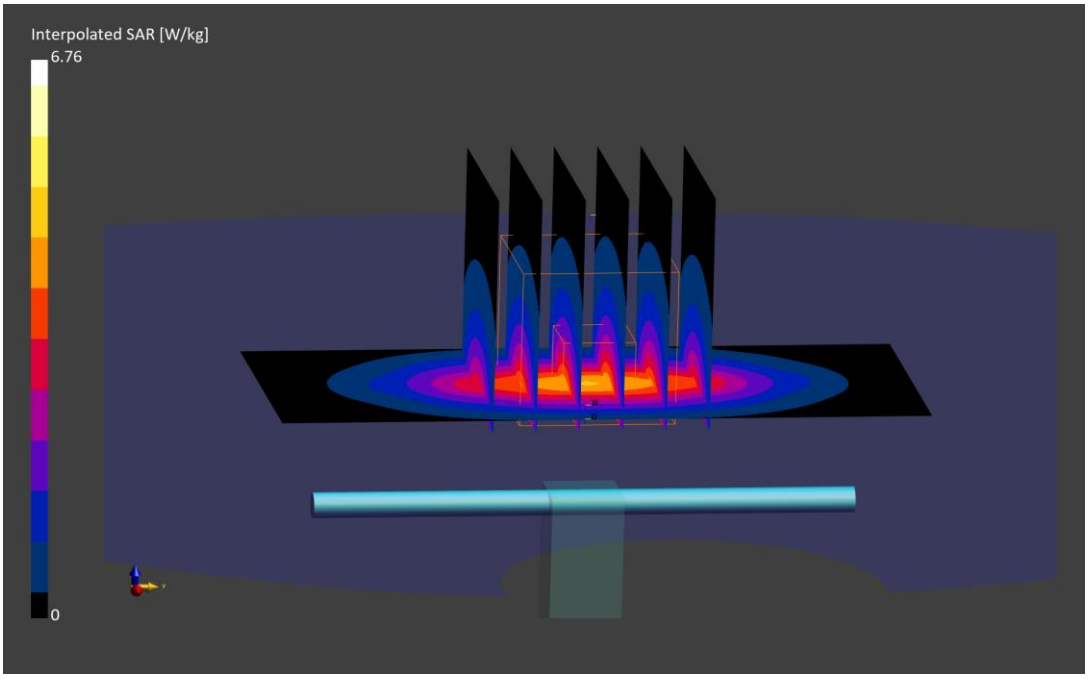
Communication System: UID: 0, CW; Frequency: 1750.000 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.000 MHz; cond = 1.35 S/m; perm = 40.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2024; Ambient Temp: 23.8°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7527; ConvF:(8.08,7.43,8.45); 2024-03-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; 2024-03-12
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 6.76 W/kg
SAR(1 g) = 3.70 W/kg; SAR(10 g) = 1.99 W/kg
Deviation (1 g) = 0.27%; Deviation (10 g) = 2.58%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d080

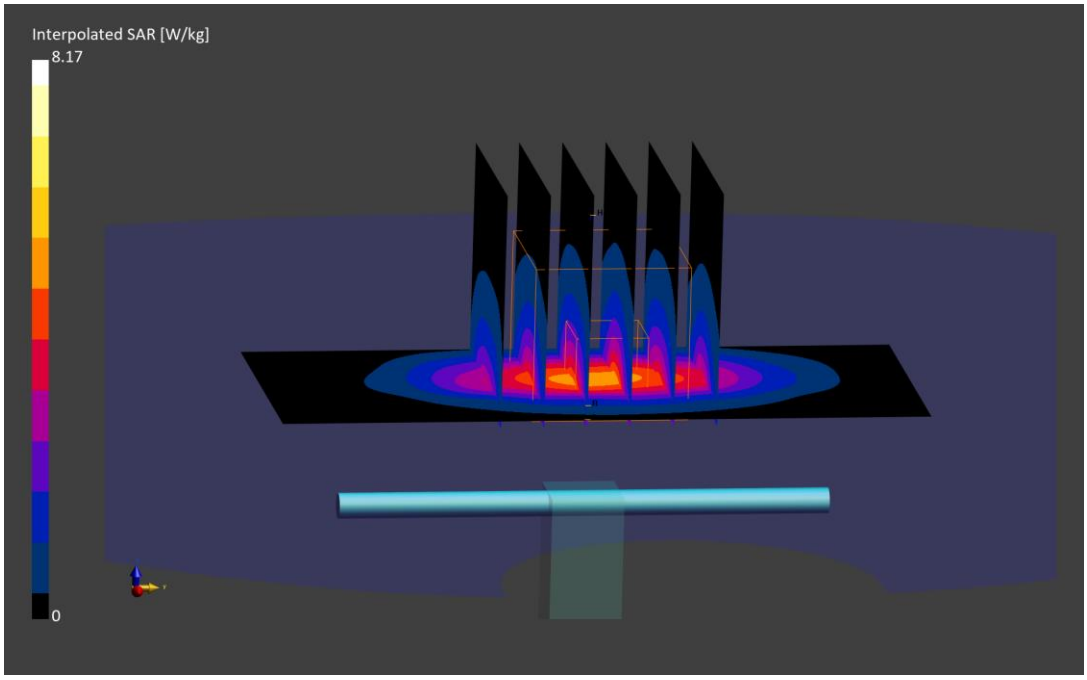
Communication System: UID: 0, CW; Frequency: 1900.000 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.000 MHz; cond = 1.40 S/m; perm = 38.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/18/2024; Ambient Temp: 24.1°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7670; ConvF:(8.42,8.42,8.42); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 8.17 W/kg
SAR(1 g) = 4.13 W/kg; SAR(10 g) = 2.14 W/kg
Deviation (1 g) = 4.29%; Deviation (10 g) = 3.38%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d148

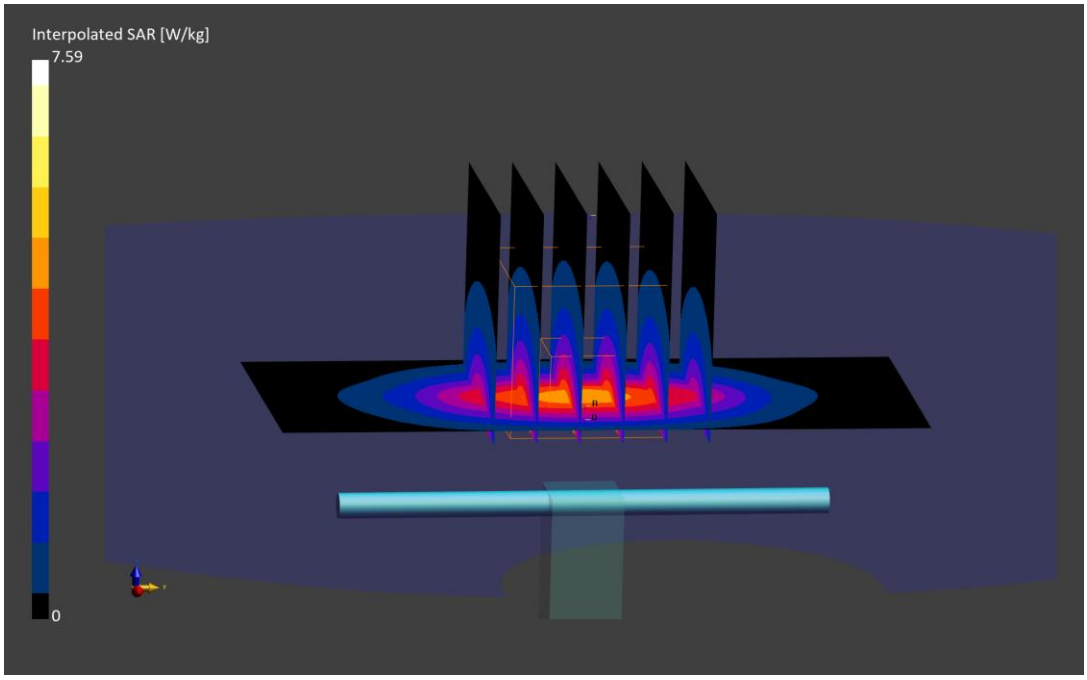
Communication System: UID: 0, CW; Frequency: 1900.000 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.000 MHz; cond = 1.45 S/m; perm = 39.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/19/2024; Ambient Temp: 20.1°C; Tissue Temp: 19.3°C

Probe: EX3DV4 - SN7718; ConvF:(7.55,7.58,7.86); 2024-04-17
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn665; 2024-03-01
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 7.59 W/kg
SAR(1 g) = 3.98 W/kg; SAR(10 g) = 2.08 W/kg
Deviation (1 g) = -0.75%; Deviation (10 g) = -0.95%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d148

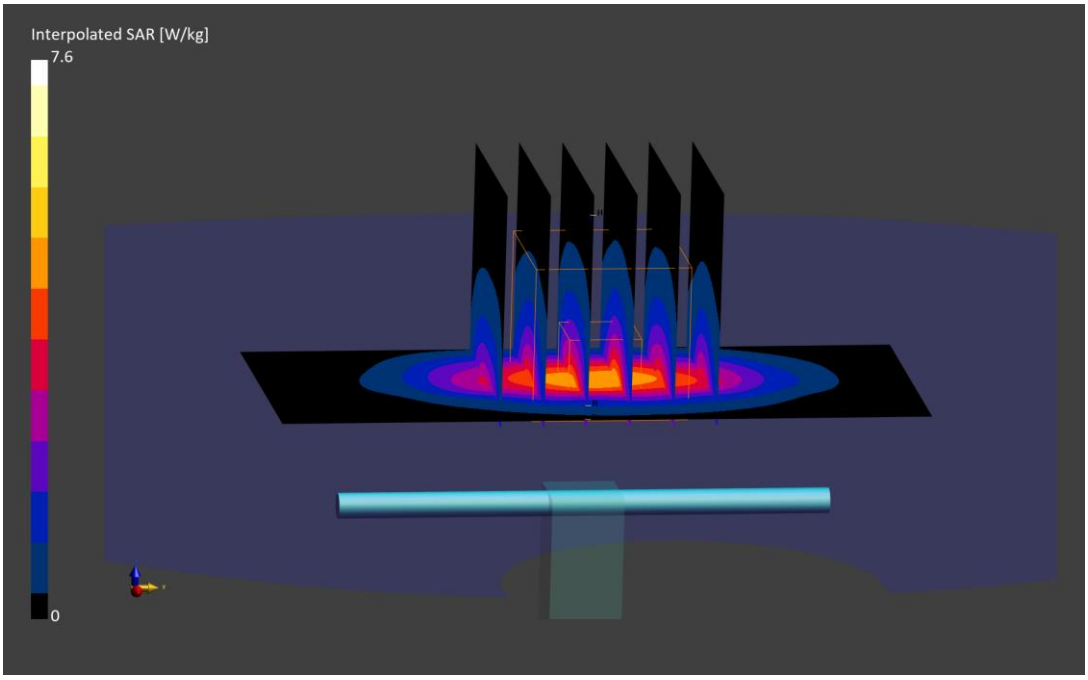
Communication System: UID: 0, CW; Frequency: 1900.000 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.000 MHz; cond = 1.40 S/m; perm = 39.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/01/2024; Ambient Temp: 22.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7670; ConvF:(8.42,8.42,8.42); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 7.60 W/kg
SAR(1 g) = 3.99 W/kg; SAR(10 g) = 2.06 W/kg
Deviation (1 g) = -0.50%; Deviation (10 g) = -1.90%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d080

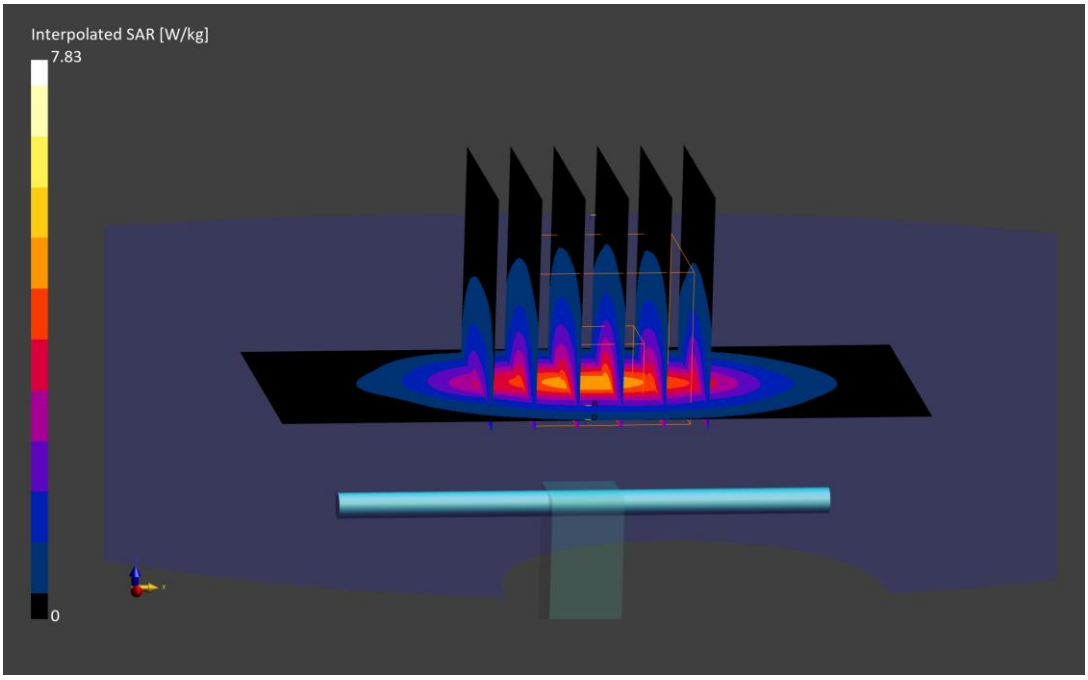
Communication System: UID: 0, CW; Frequency: 1900.000 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.000 MHz; cond = 1.40 S/m; perm = 39.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2024; Ambient Temp: 23.5°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7670; ConvF:(8.42,8.42,8.42); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 7.83 W/kg
SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.11 W/kg
Deviation (1 g) = 3.28%; Deviation (10 g) = 1.93%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d148

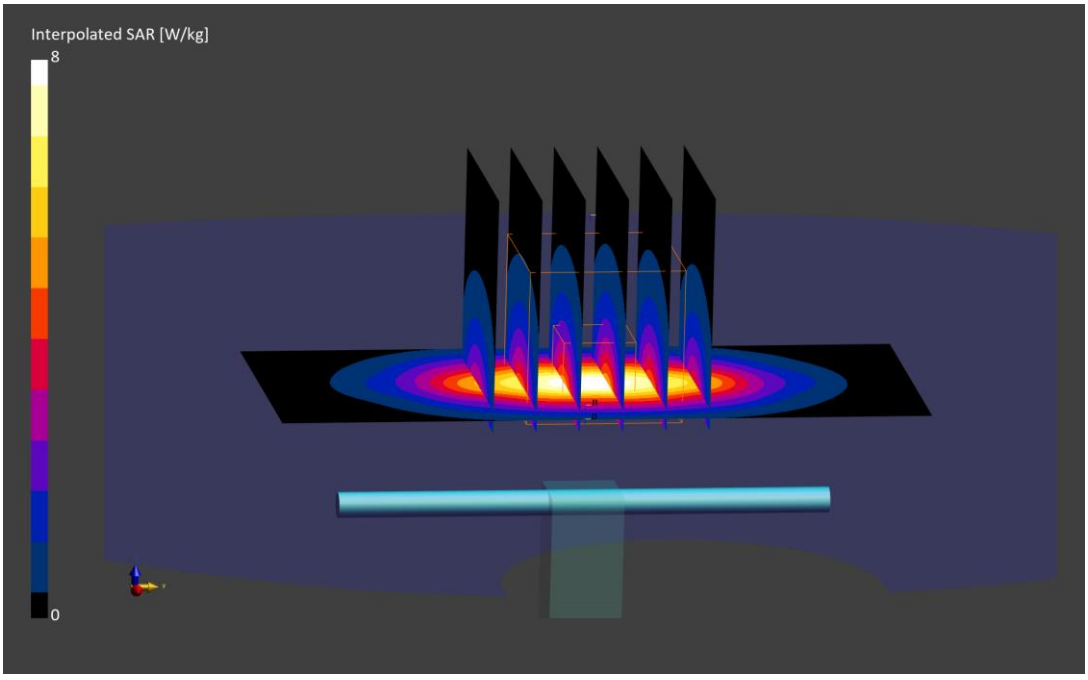
Communication System: UID: 0, CW; Frequency: 1900.000 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.000 MHz; cond = 1.45 S/m; perm = 41.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2024; Ambient Temp: 24.1°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7527; ConvF:(8.09,7.39,8.47); 2024-03-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; 2024-03-12
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 8.00 W/kg
SAR(1 g) = 4.28 W/kg; SAR(10 g) = 2.23 W/kg
Deviation (1 g) = 6.73%; Deviation (10 g) = 6.19%



ELEMENT

DUT: Dipole 1900.000 MHz; Type: D1900V2 - SN5d148

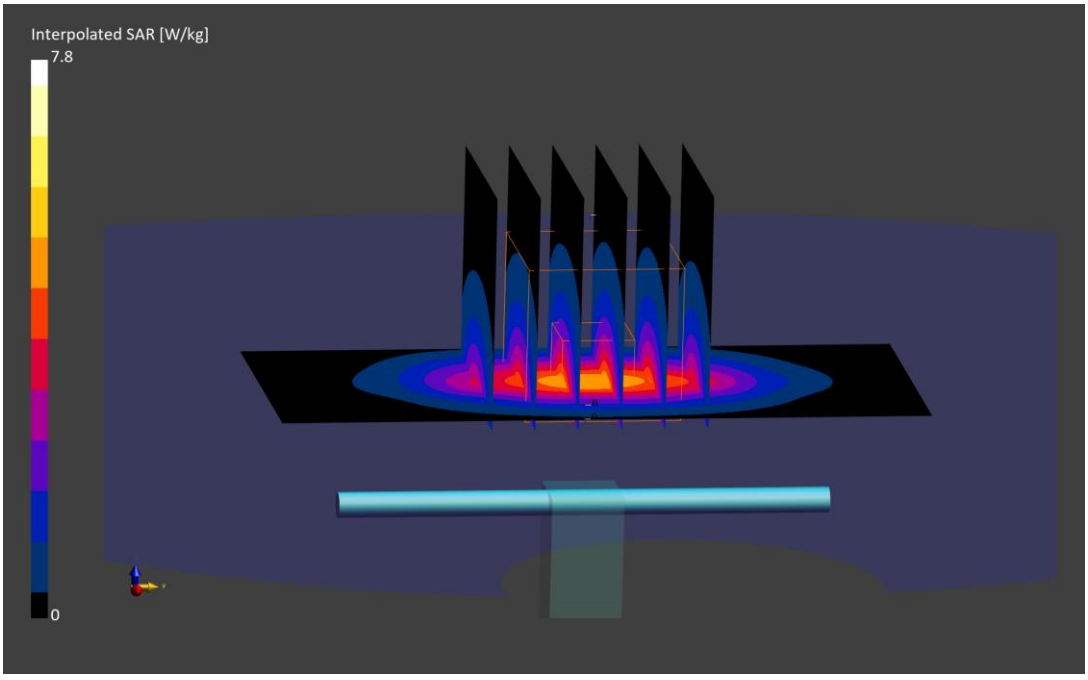
Communication System: UID: 0, CW; Frequency: 1900.000 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.000 MHz; cond = 1.44 S/m; perm = 40.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2024; Ambient Temp: 23.8°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7527; ConvF:(8.09,7.39,8.47); 2024-03-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1272; 2024-03-12
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 7.80 W/kg
SAR(1 g) = 4.16 W/kg; SAR(10 g) = 2.17 W/kg
Deviation (1 g) = 3.74%; Deviation (10 g) = 3.33%



ELEMENT

DUT: Dipole 2300.000 MHz; Type: D2300V2 - SN1073

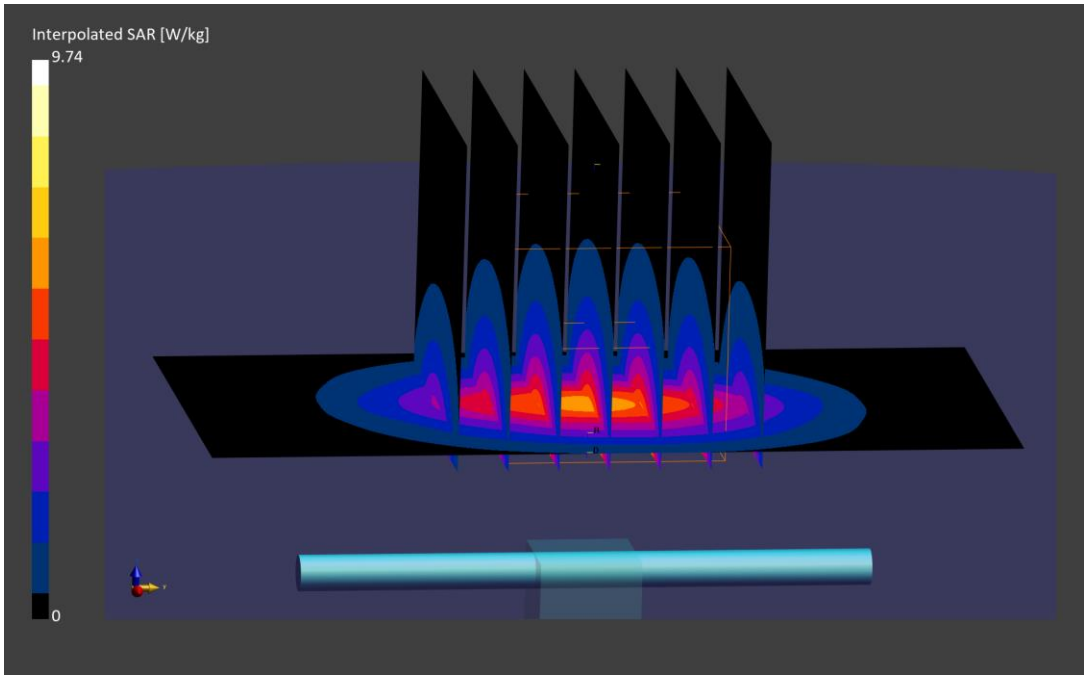
Communication System: UID: 0, CW; Frequency: 2300.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2300.000 MHz; cond = 1.70 S/m; perm = 37.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/17/2024; Ambient Temp: 22.0°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN3914; ConvF:(7.58,6.92,6.98); 2024-05-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 9.74 W/kg
SAR(1 g) = 4.79 W/kg; SAR(10 g) = 2.32 W/kg
Deviation (1 g) = -1.44%; Deviation (10 g) = -2.11%



ELEMENT

DUT: Dipole 2300.000 MHz; Type: D2300V2 - SN1073

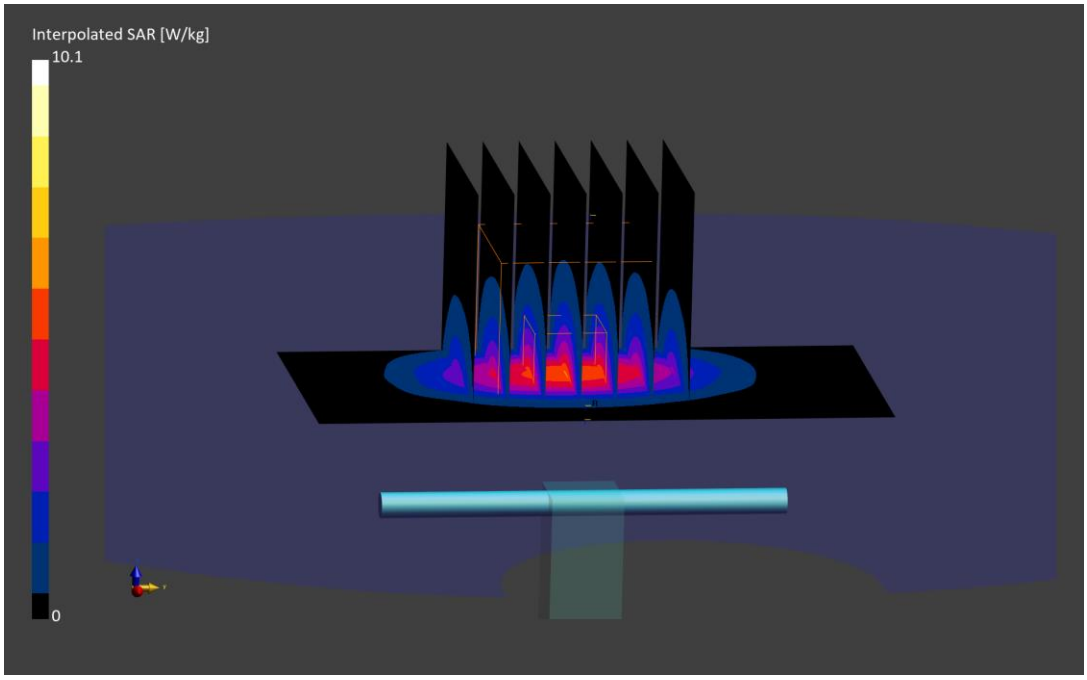
Communication System: UID: 0, CW; Frequency: 2300.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2300.000 MHz; cond = 1.72 S/m; perm = 40.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/08/2024; Ambient Temp: 21.6°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7713; ConvF:(8.41,8.41,8.41); 2024-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): 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) = 4.73 W/kg; SAR(10 g) = 2.24 W/kg
Deviation (1 g) = -2.67%; Deviation (10 g) = -5.49%



ELEMENT

DUT: Dipole 2300.000 MHz; Type: D2300V2 - SN1073

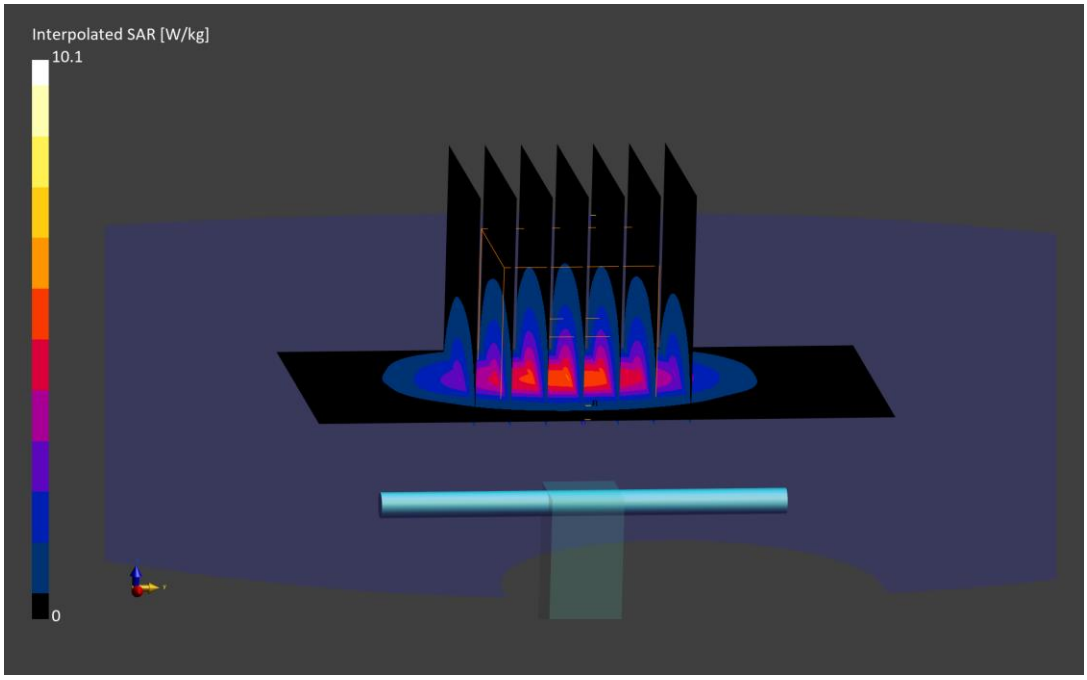
Communication System: UID: 0, CW; Frequency: 2300.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2300.000 MHz; cond = 1.71 S/m; perm = 40.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/11/2024; Ambient Temp: 23.5°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7713; ConvF:(8.41,8.41,8.41); 2024-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): 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) = 4.69 W/kg; SAR(10 g) = 2.23 W/kg
Deviation (1 g) = -3.50%; Deviation (10 g) = -5.91%



ELEMENT

DUT: Dipole 2300.000 MHz; Type: D2300V2 - SN1073

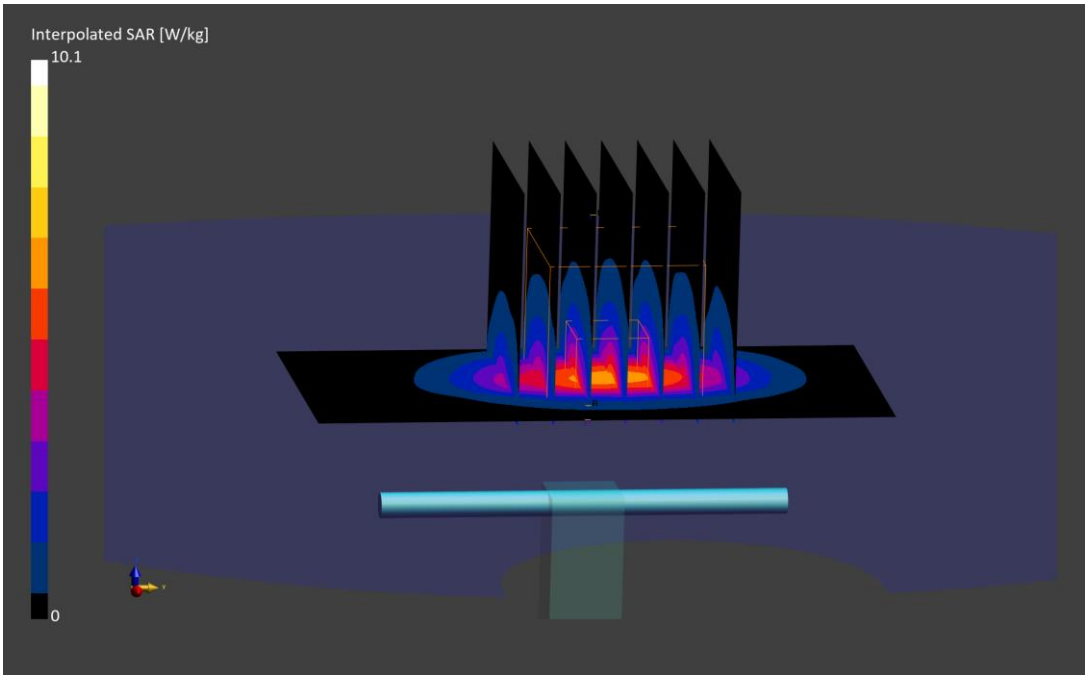
Communication System: UID: 0, CW; Frequency: 2300.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2300.000 MHz; cond = 1.66 S/m; perm = 39.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/15/2024; Ambient Temp: 22.0°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7670; ConvF:(8.16,8.16,8.16); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): 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) = 4.87 W/kg; SAR(10 g) = 2.35 W/kg
Deviation (1 g) = 0.21%; Deviation (10 g) = -0.84%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN882

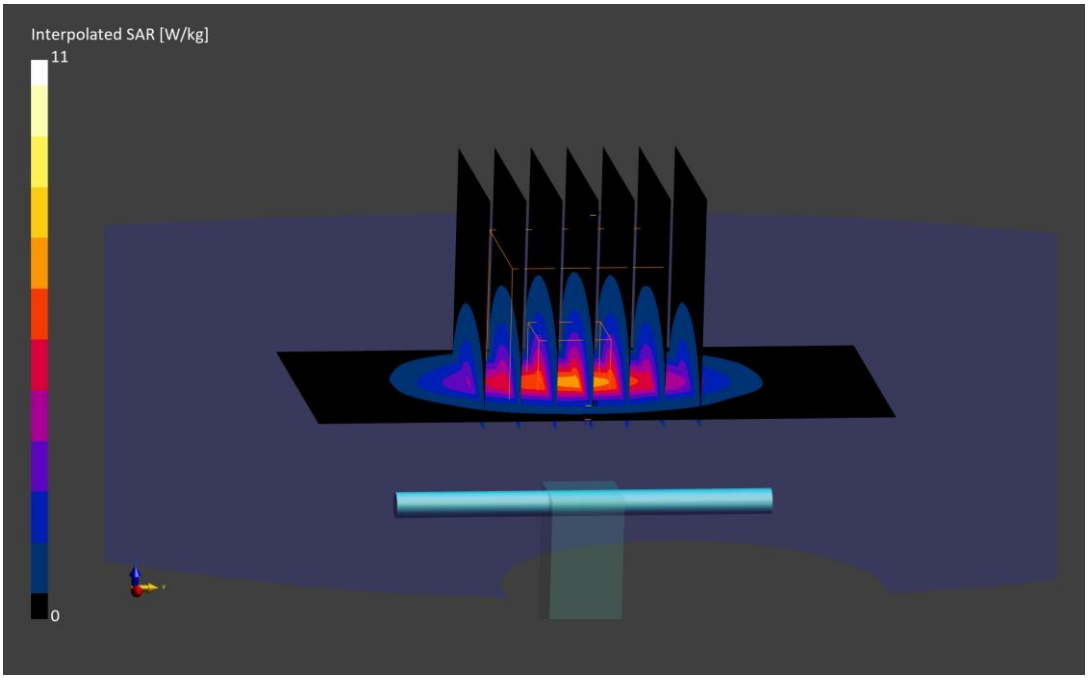
Communication System: UID: 0, CW; Frequency: 2450.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.000 MHz; cond = 1.81 S/m; perm = 37.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/10/2024; Ambient Temp: 20.0°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7565; ConvF:(7.73,6.62,6.61); 2024-01-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): 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) = 5.22 W/kg; SAR(10 g) = 2.41 W/kg
Deviation (1 g) = -1.51%; Deviation (10 g) = -3.21%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN719

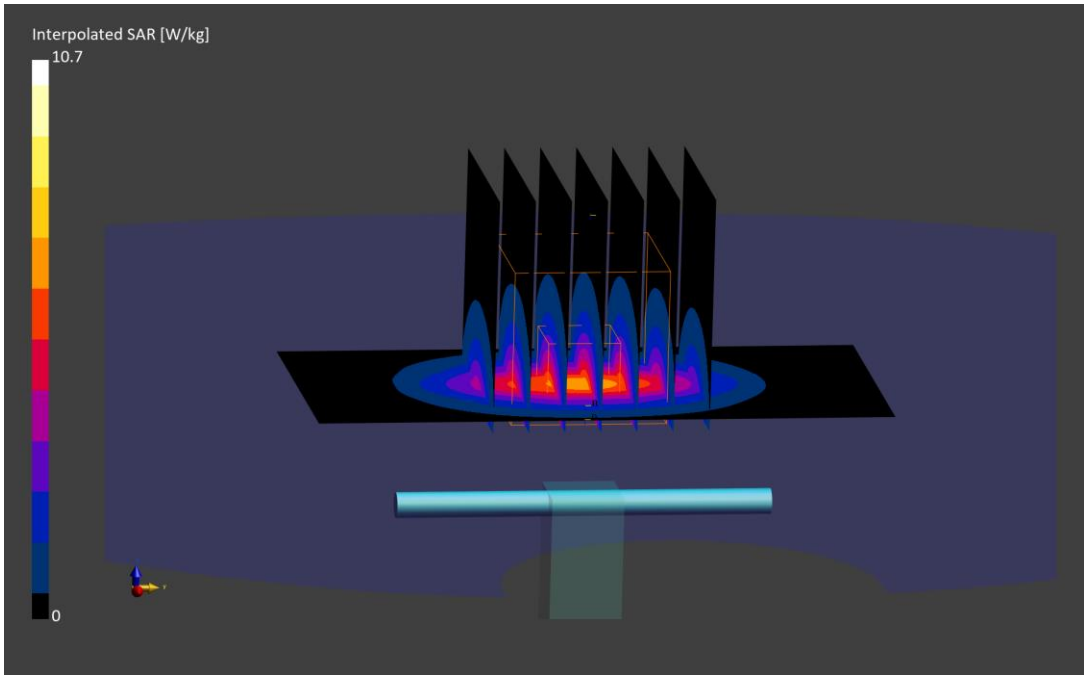
Communication System: UID: 0, CW; Frequency: 2450.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.000 MHz; cond = 1.81 S/m; perm = 37.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/19/2024; Ambient Temp: 22.2°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3914; ConvF:(7.52,6.84,6.89); 2024-05-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): 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) = 5.20 W/kg; SAR(10 g) = 2.43 W/kg
Deviation (1 g) = -5.45%; Deviation (10 g) = -5.45%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN981

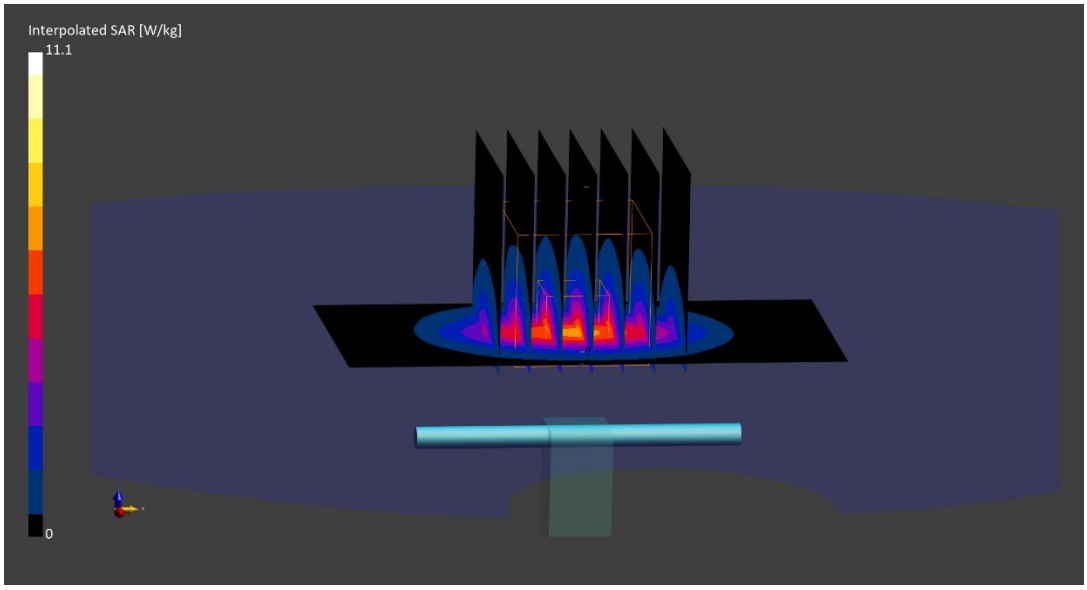
Communication System: UID: 0, CW; Frequency: 2450.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.000 MHz; cond = 1.80 S/m; perm = 37.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/20/2024; Ambient Temp: 23.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7488; ConvF:(7.79,7.73,7.46); 2024-03-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; 2024-03-27
Phantom: Twin-SAM V5.0; Serial: 1759
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): 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) = 5.40 W/kg; SAR(10 g) = 2.51 W/kg
Deviation (1 g) = 0.19%; Deviation (10 g) = -1.18%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN882

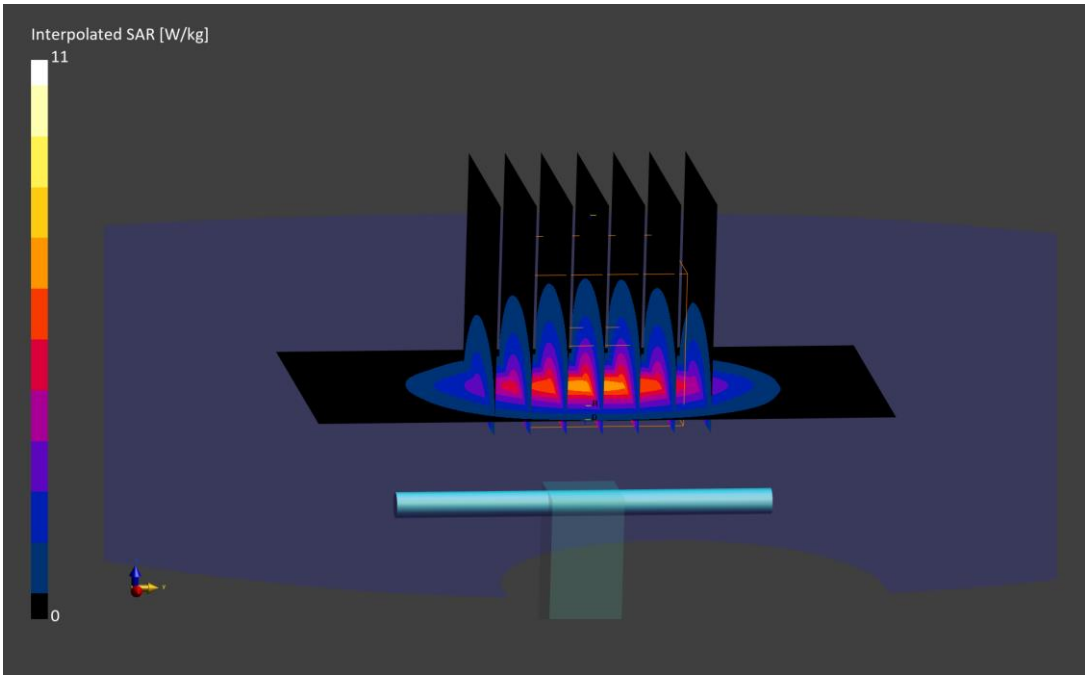
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.80 S/m; perm = 37.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/01/2024; Ambient Temp: 21.7°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7565; ConvF:(7.73,6.62,6.61); 2024-01-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

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 30.0): 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) = 5.25 W/kg; SAR(10 g) = 2.43 W/kg
Deviation (1 g) = -0.94%; Deviation (10 g) = -2.41%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN882

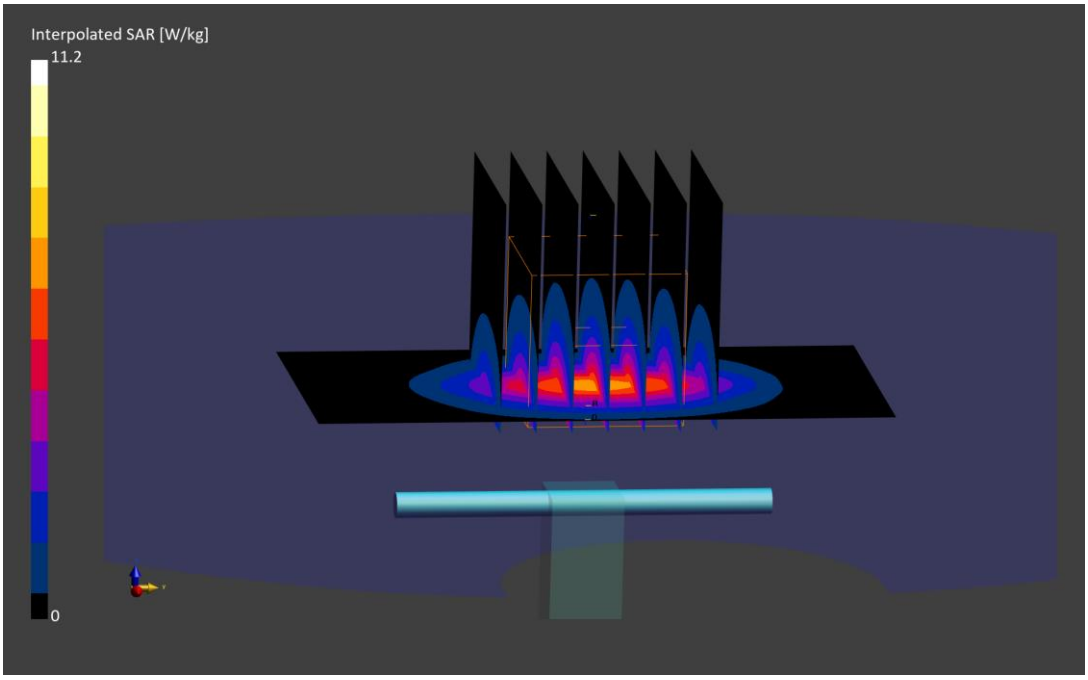
Communication System: UID: 0, CW; Frequency: 2450.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.000 MHz; cond = 1.81 S/m; perm = 37.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2024; Ambient Temp: 19.6°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7565; ConvF:(7.73,6.62,6.61); 2024-01-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): 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) = 5.30 W/kg; SAR(10 g) = 2.45 W/kg
Deviation (1 g) = 0.00%; Deviation (10 g) = -1.61%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN882

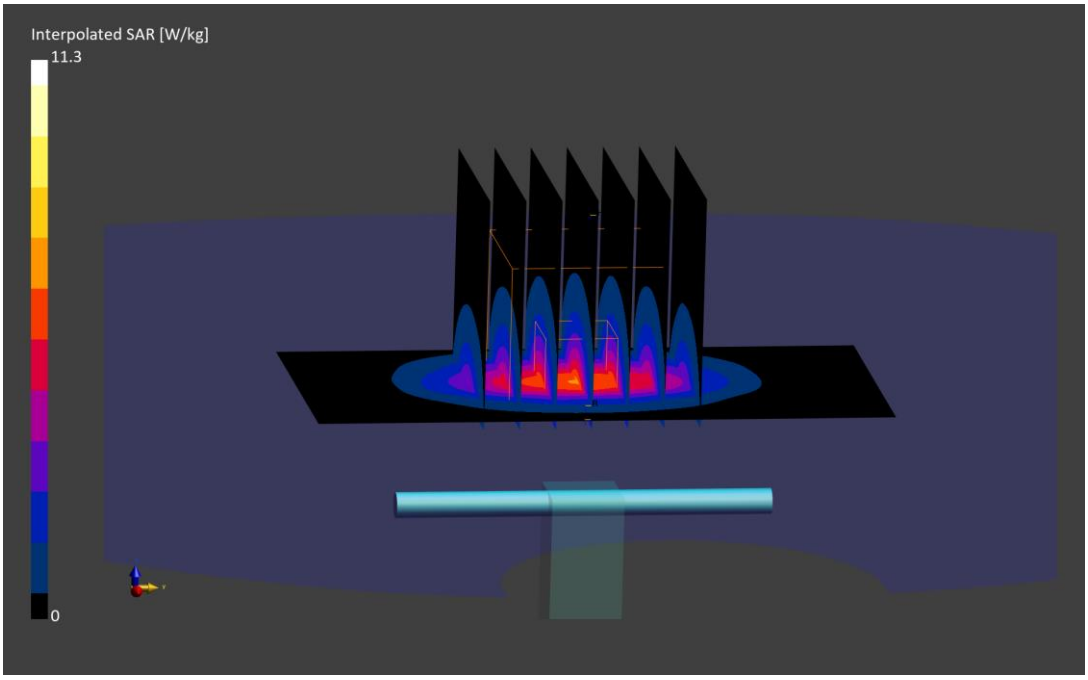
Communication System: UID: 0, CW; Frequency: 2450.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.000 MHz; cond = 1.81 S/m; perm = 38.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2024; Ambient Temp: 20.6°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7565; ConvF:(7.73,6.62,6.61); 2024-01-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): 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) = 5.22 W/kg; SAR(10 g) = 2.42 W/kg
Deviation (1 g) = -1.51%; Deviation (10 g) = -2.81%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN719

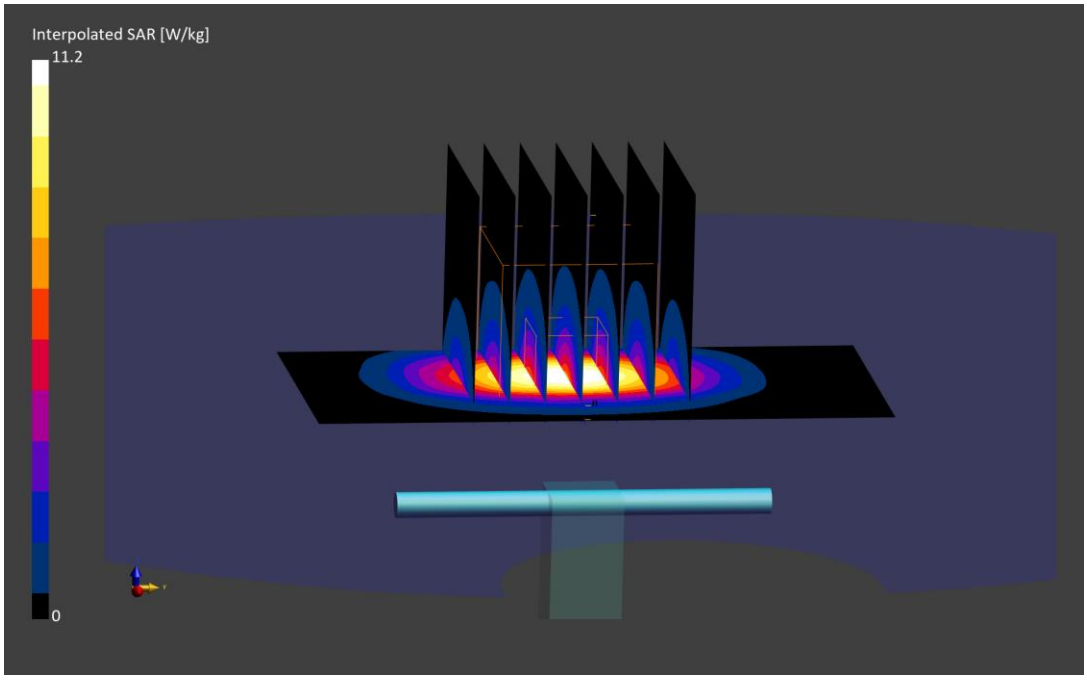
Communication System: UID: 0, CW; Frequency: 2450.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.000 MHz; cond = 1.86 S/m; perm = 40.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/15/2024; Ambient Temp: 22.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7713; ConvF:(8.29,8.29,8.29); 2024-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): 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) = 5.28 W/kg; SAR(10 g) = 2.44 W/kg
Deviation (1 g) = -4.00%; Deviation (10 g) = -5.06%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1071

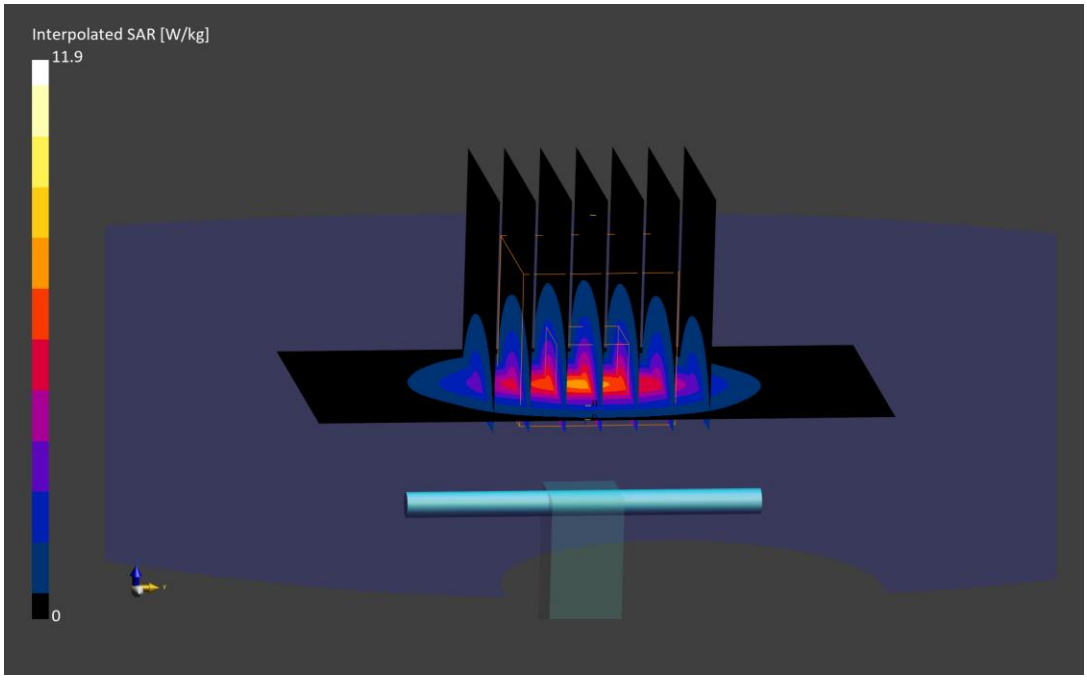
Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.000 MHz; cond = 1.93 S/m; perm = 37.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/19/2024; Ambient Temp: 22.2°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN3914; ConvF:(7.42,6.75,6.83); 2024-05-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 11.9 W/kg
SAR(1 g) = 5.56 W/kg; SAR(10 g) = 2.51 W/kg
Deviation (1 g) = -1.59%; Deviation (10 g) = -1.18%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1004

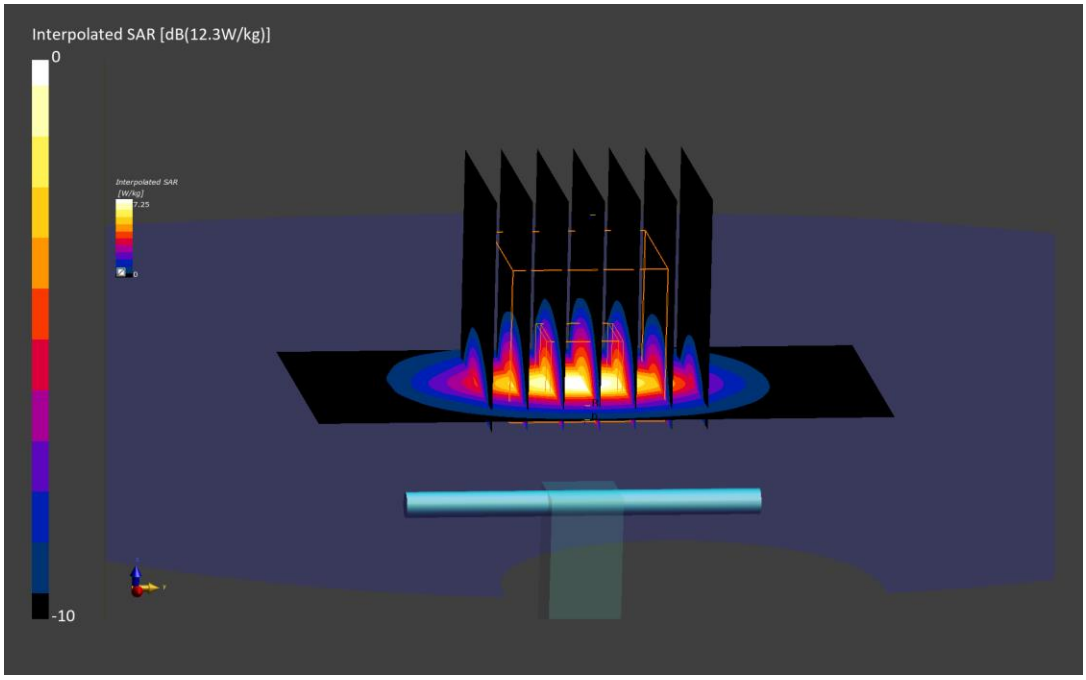
Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.000 MHz; cond = 1.91 S/m; perm = 37.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/20/2024; Ambient Temp: 23.7°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7488; ConvF:(7.65,7.57,7.31); 2024-03-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; 2024-03-27
Phantom: Twin-SAM V5.0; Serial: 1759
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 12.3 W/kg
SAR(1 g) = 5.74 W/kg; SAR(10 g) = 2.58 W/kg
Deviation (1 g) = 1.95%; Deviation (10 g) = 2.38%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1071

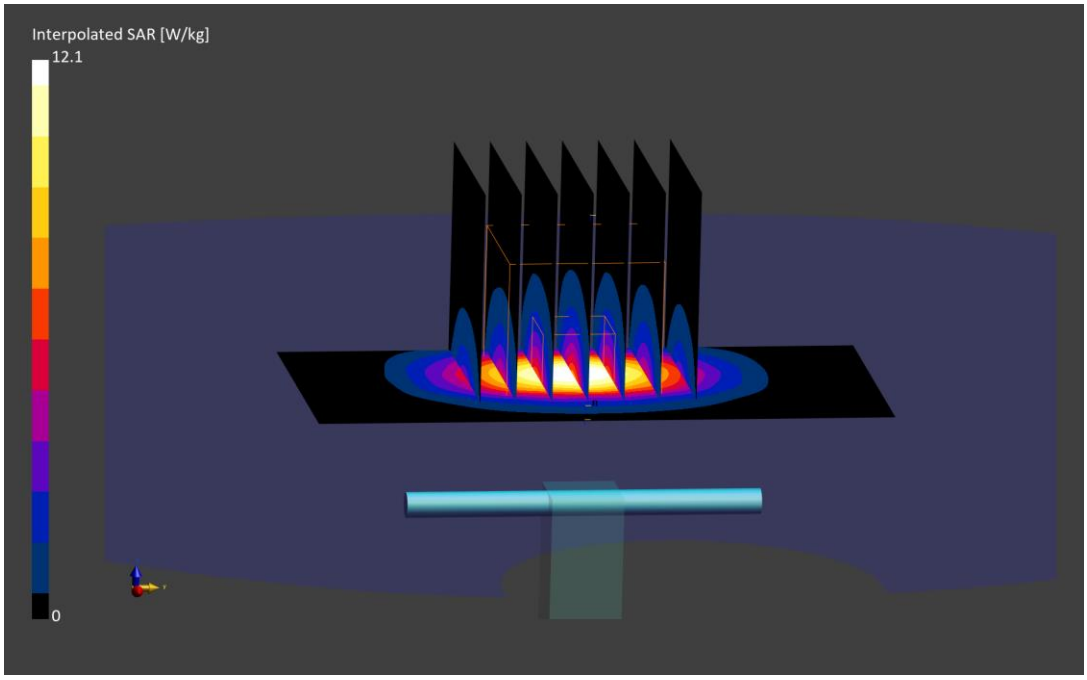
Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.000 MHz; cond = 1.89 S/m; perm = 39.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/01/2024; Ambient Temp: 22.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7713; ConvF:(8.08,8.08,8.08); 2024-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 12.1 W/kg
SAR(1 g) = 5.62 W/kg; SAR(10 g) = 2.53 W/kg
Deviation (1 g) = -0.53%; Deviation (10 g) = -0.39%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1126

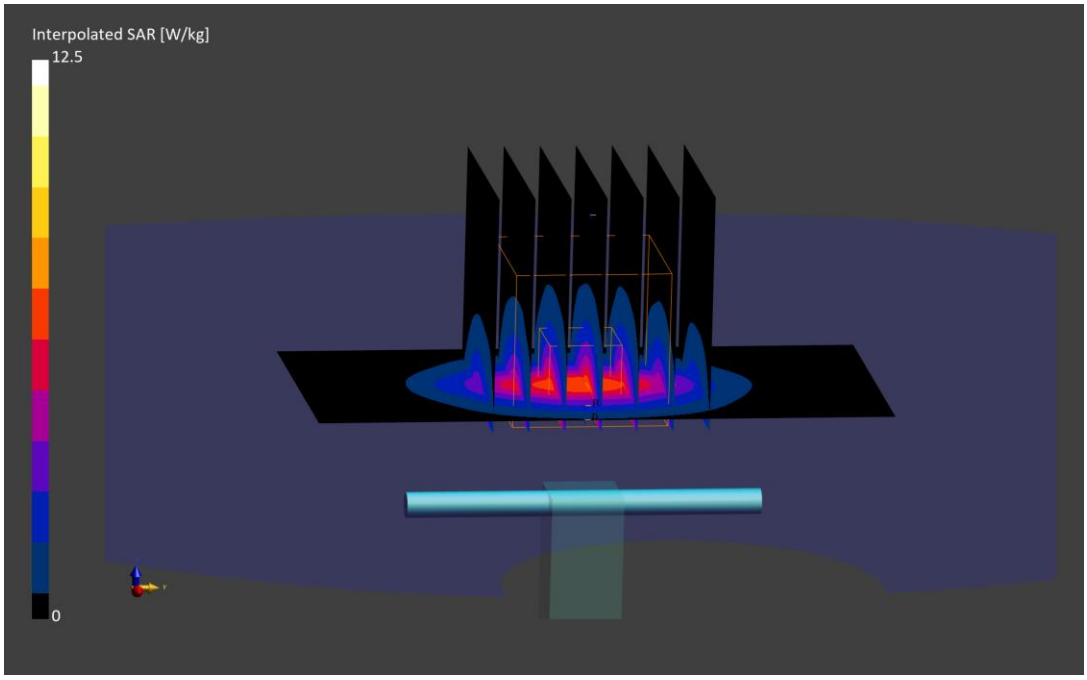
Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.000 MHz; cond = 1.97 S/m; perm = 39.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/08/2024; Ambient Temp: 21.3°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7558; ConvF:(7.42,7.42,7.42); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1364; 2023-09-06
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 12.5 W/kg
SAR(1 g) = 5.72 W/kg; SAR(10 g) = 2.57 W/kg
Deviation (1 g) = 2.14%; Deviation (10 g) = 1.58%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1071

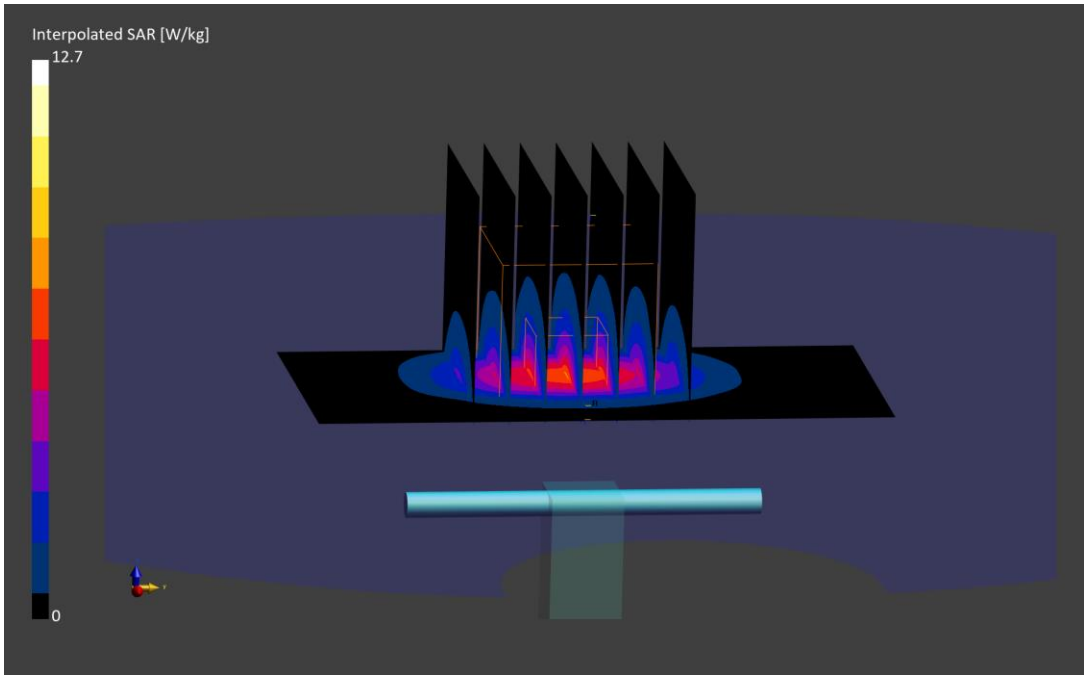
Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.000 MHz; cond = 1.98 S/m; perm = 39.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/15/2024; Ambient Temp: 22.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7713; ConvF:(8.08,8.08,8.08); 2024-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 12.7 W/kg
SAR(1 g) = 5.78 W/kg; SAR(10 g) = 2.59 W/kg
Deviation (1 g) = 2.30%; Deviation (10 g) = 1.97%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1071

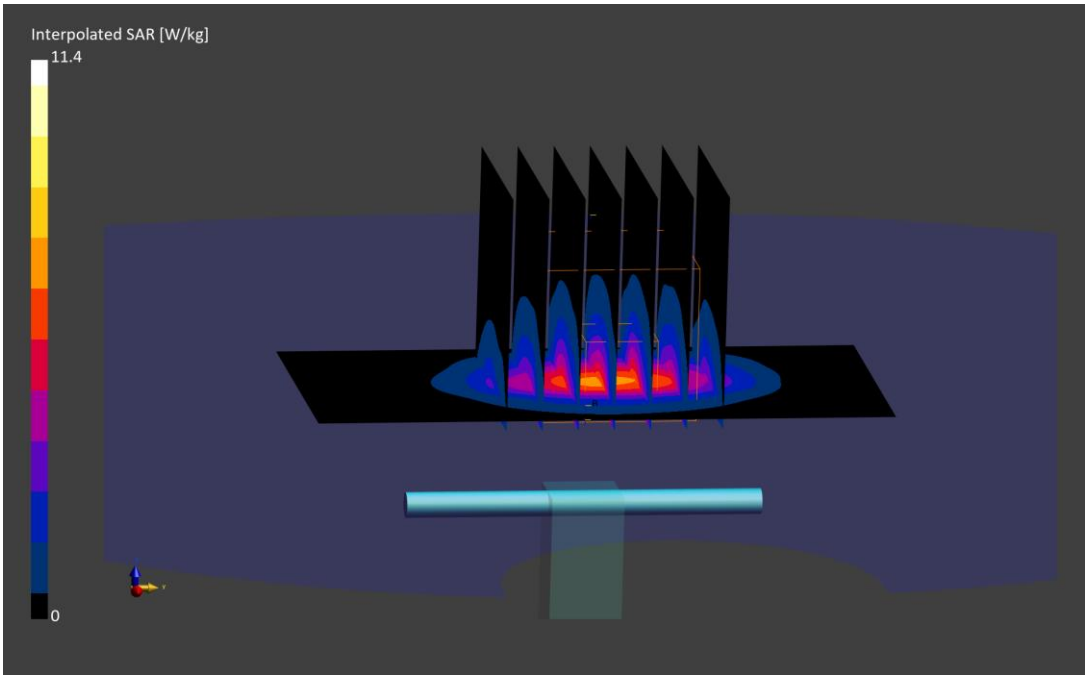
Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.000 MHz; cond = 1.90 S/m; perm = 38.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/15/2024; Ambient Temp: 22.0°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7670; ConvF:(7.73,7.73,7.73); 2023-09-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1800
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): 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) = 5.33 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 - SN1126

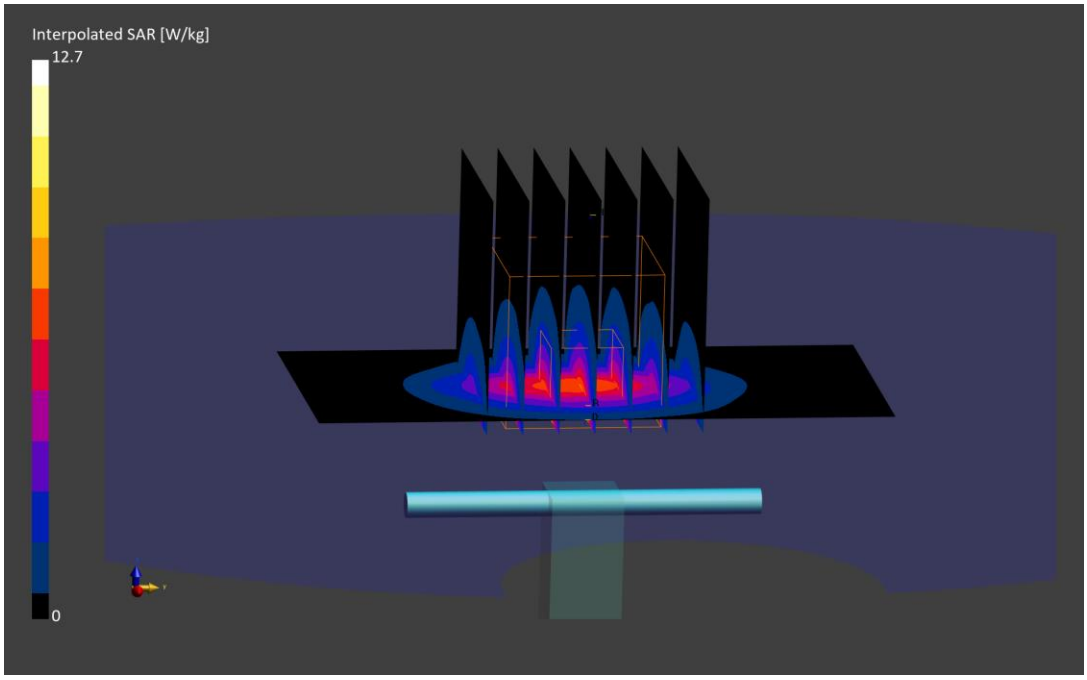
Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.000 MHz; cond = 1.92 S/m; perm = 39.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2024; Ambient Temp: 20.3°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7558; ConvF:(7.42,7.42,7.42); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1364; 2023-09-06
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.4.2524

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 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 12.7 W/kg
SAR(1 g) = 5.80 W/kg; SAR(10 g) = 2.61 W/kg
Deviation (1 g) = 3.57%; Deviation (10 g) = 3.16%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1068

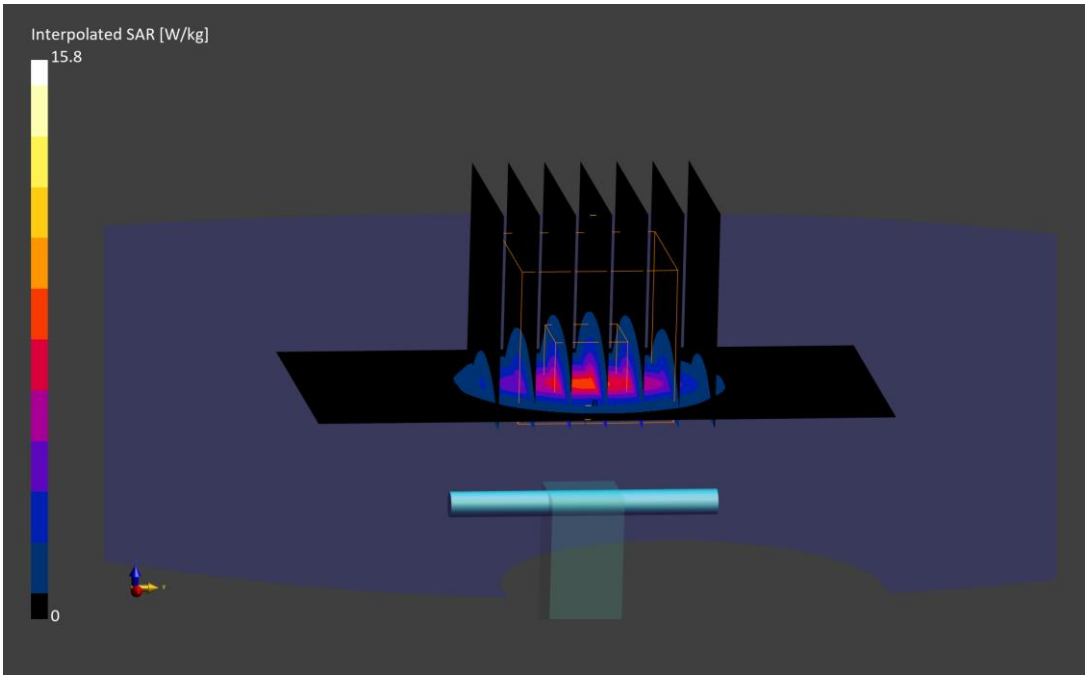
Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.000 MHz; cond = 2.79 S/m; perm = 39.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/18/2024; Ambient Temp: 21.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7565; ConvF:(6.96,6.13,6.05); 2024-01-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 15.8 W/kg
SAR(1 g) = 6.00 W/kg; SAR(10 g) = 2.29 W/kg
Deviation (1 g) = -8.12%; Deviation (10 g) = -7.29%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1097

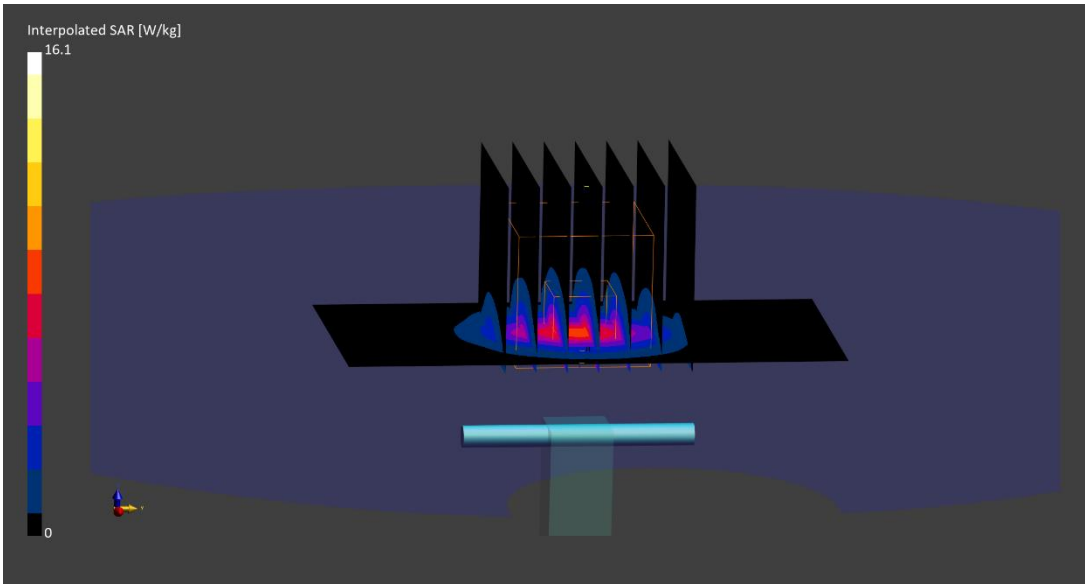
Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.000 MHz; cond = 2.79 S/m; perm = 38.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/28/2024; Ambient Temp: 22.3°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7488; ConvF:(7.02,6.98,6.72); 2024-03-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; 2024-03-27
Phantom: Twin-SAM V5.0; Serial: 1759
Measurement SW: DASY Module SAR V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 16.1 W/kg
SAR(1 g) = 6.30 W/kg; SAR(10 g) = 2.45 W/kg
Deviation (1 g) = -3.67%; Deviation (10 g) = -0.81%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1068

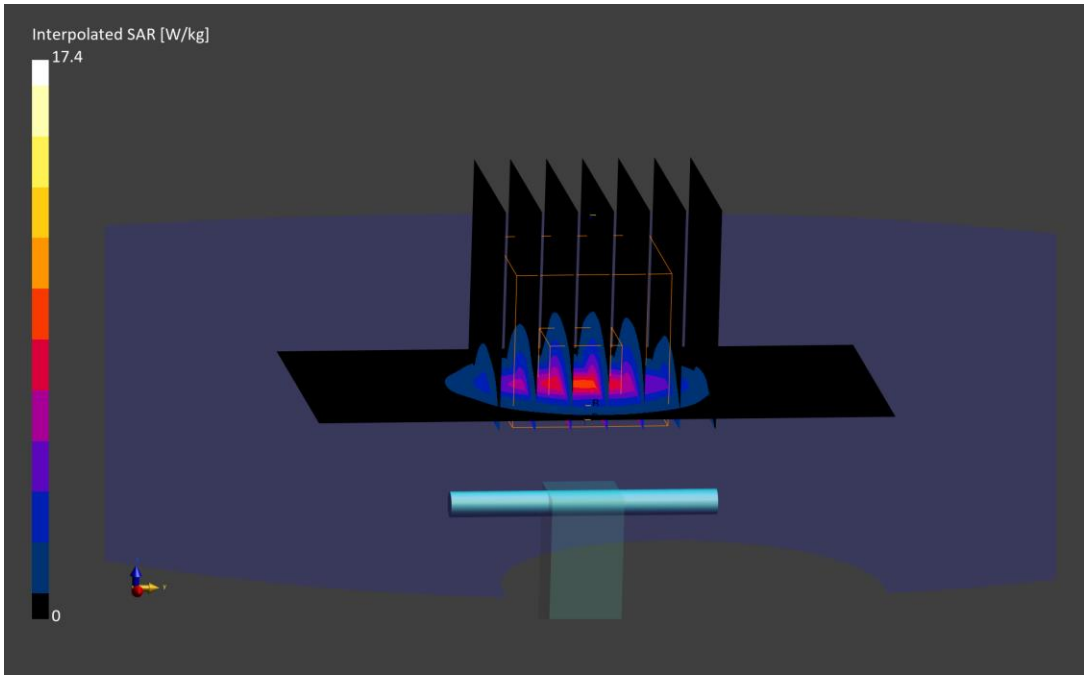
Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.000 MHz; cond = 2.79 S/m; perm = 38.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2024; Ambient Temp: 20.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7558; ConvF:(7.07,7.07,7.07); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1364; 2023-09-06
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 17.4 W/kg
SAR(1 g) = 6.72 W/kg; SAR(10 g) = 2.56 W/kg
Deviation (1 g) = 2.91%; Deviation (10 g) = 3.64%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1068

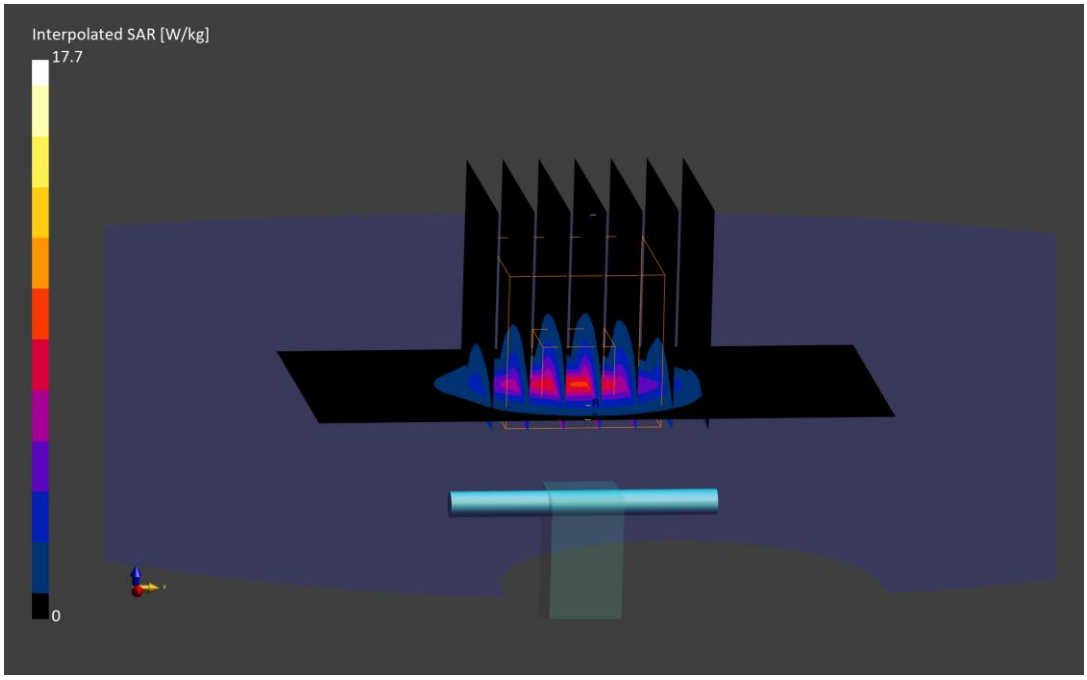
Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.000 MHz; cond = 2.79 S/m; perm = 38.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/15/2024; Ambient Temp: 21.8°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7558; ConvF:(7.07,7.07,7.07); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1364; 2023-09-06
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 17.7 W/kg
SAR(1 g) = 6.78 W/kg; SAR(10 g) = 2.58 W/kg
Deviation (1 g) = 3.83%; Deviation (10 g) = 4.45%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1097

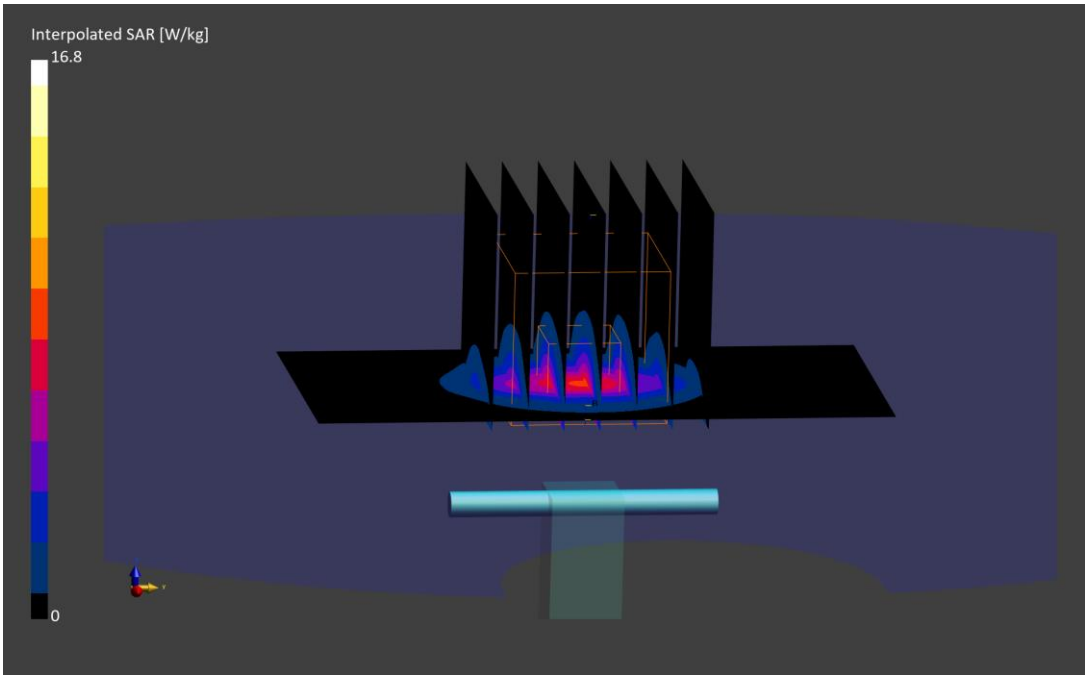
Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.000 MHz; cond = 2.81 S/m; perm = 38.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/18/2024; Ambient Temp: 23.1°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7660; ConvF:(6.95,6.76,7.38); 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 V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 6.49 W/kg; SAR(10 g) = 2.48 W/kg
Deviation (1 g) = -0.76%; Deviation (10 g) = 0.40%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1068

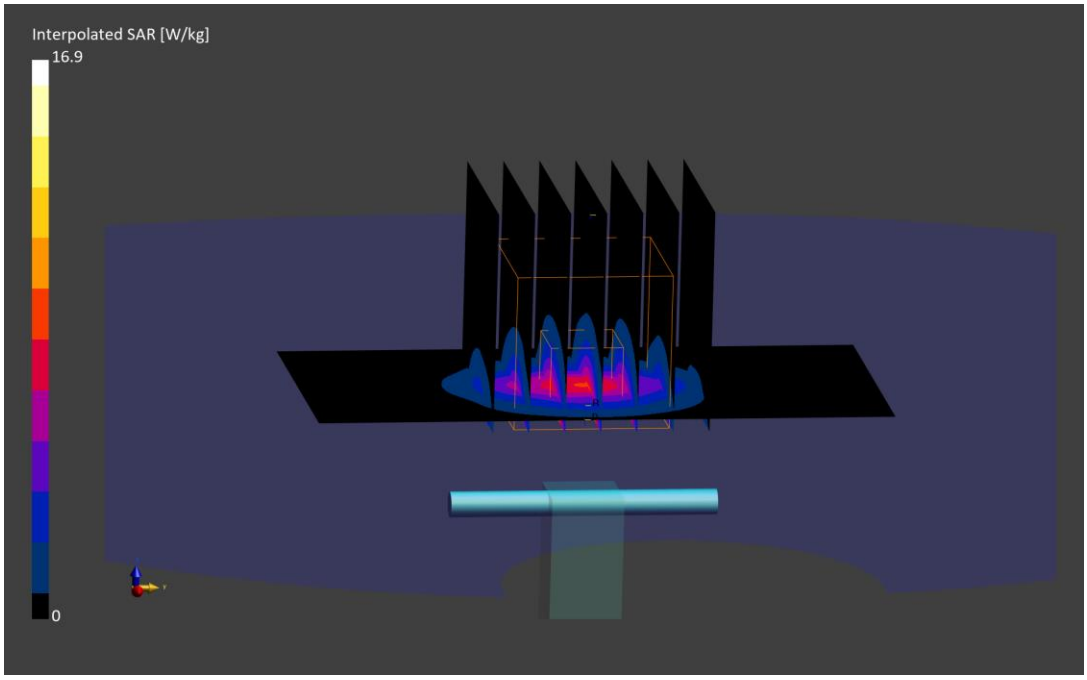
Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.000 MHz; cond = 2.79 S/m; perm = 38.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/18/2024; Ambient Temp: 21.6°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7558; ConvF:(7.07,7.07,7.07); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1364; 2023-09-06
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.4.2524

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 (28.0 x 28.0 x 28.0): 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) = 6.56 W/kg; SAR(10 g) = 2.50 W/kg
Deviation (1 g) = 0.46%; Deviation (10 g) = 1.21%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1029

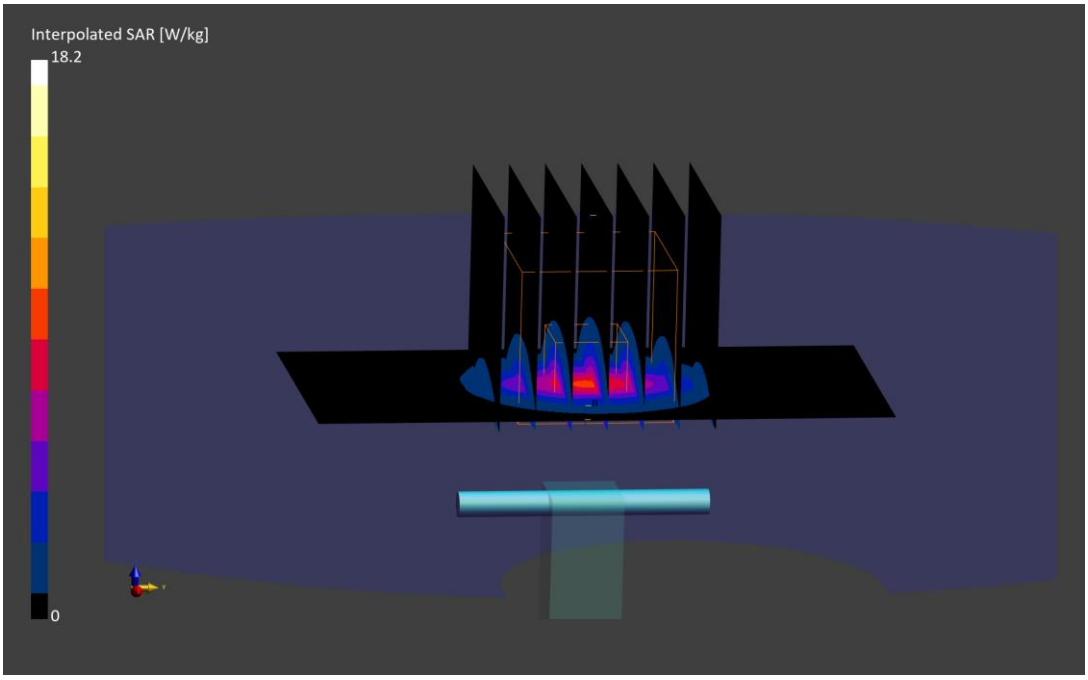
Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.000 MHz; cond = 2.98 S/m; perm = 39.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/18/2024; Ambient Temp: 21.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7565; ConvF:(6.82,5.99,5.94); 2024-01-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 18.2 W/kg
SAR(1 g) = 6.60 W/kg; SAR(10 g) = 2.45 W/kg
Deviation (1 g) = -1.93%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1067

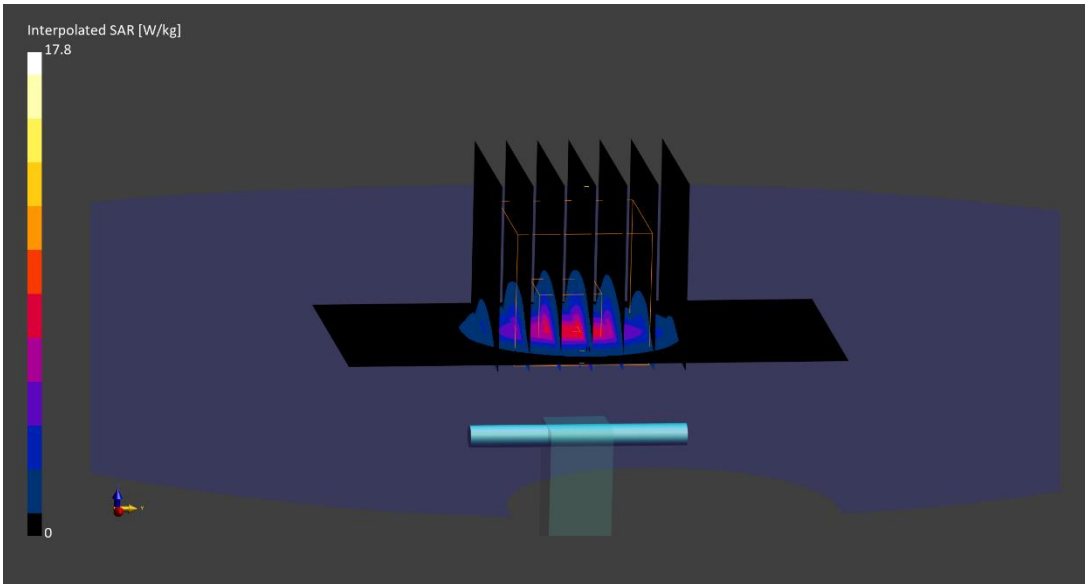
Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.000 MHz; cond = 2.98 S/m; perm = 38.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/28/2024; Ambient Temp: 22.3°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7488; ConvF:(6.83,6.82,6.57); 2024-03-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; 2024-03-27
Phantom: Twin-SAM V5.0; Serial: 1759
Measurement SW: DASY Module SAR V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 17.8 W/kg
SAR(1 g) = 6.73 W/kg; SAR(10 g) = 2.50 W/kg
Deviation (1 g) = 0.60%; Deviation (10 g) = 2.88%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1029

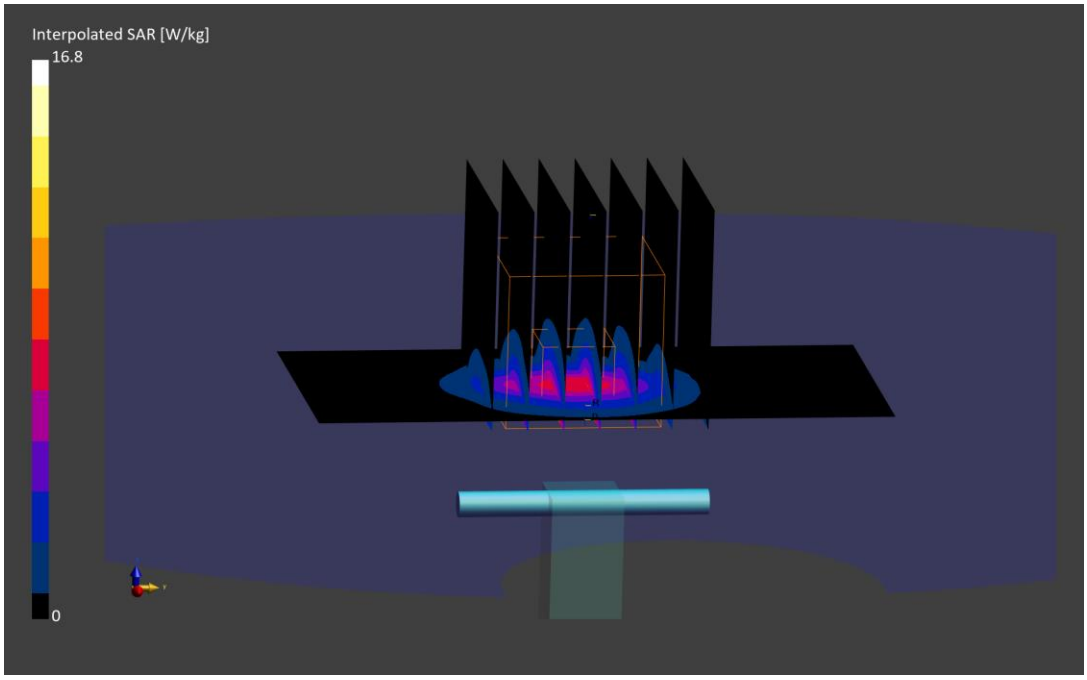
Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.000 MHz; cond = 2.98 S/m; perm = 38.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2024; Ambient Temp: 20.9°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7558; ConvF:(6.94,6.94,6.94); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1364; 2023-09-06
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.4.2524

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 (28.0 x 28.0 x 28.0): 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) = 6.26 W/kg; SAR(10 g) = 2.34 W/kg
Deviation (1 g) = -6.98%; Deviation (10 g) = -4.49%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1029

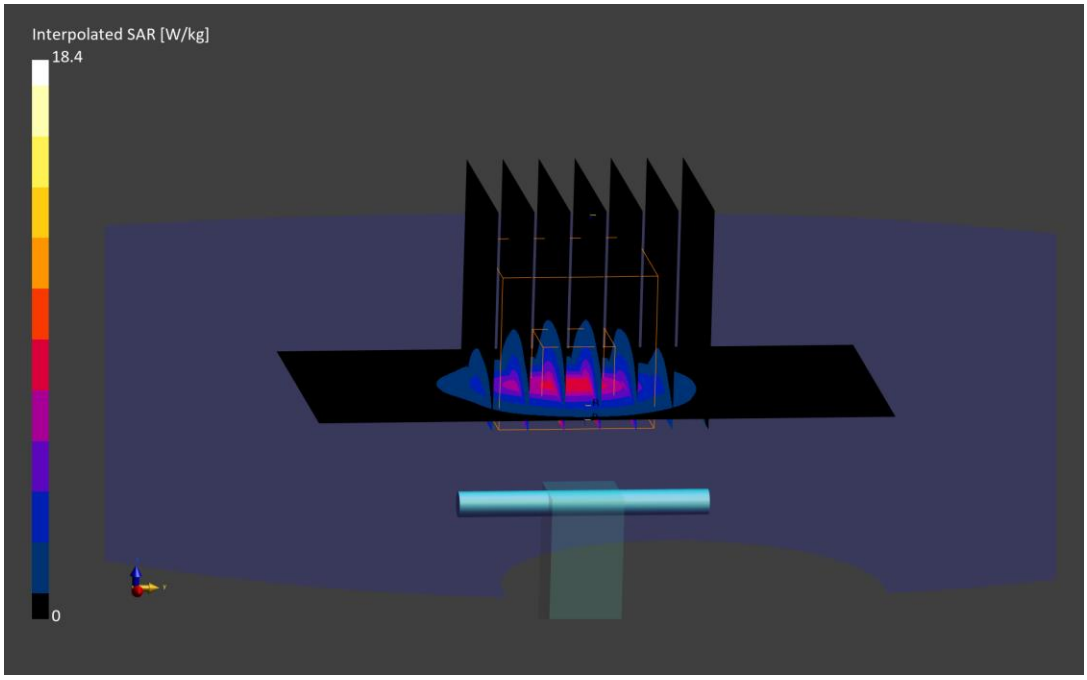
Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.000 MHz; cond = 2.97 S/m; perm = 38.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/15/2024; Ambient Temp: 21.8°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7558; ConvF:(6.94,6.94,6.94); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1364; 2023-09-06
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 18.4 W/kg
SAR(1 g) = 6.74 W/kg; SAR(10 g) = 2.49 W/kg
Deviation (1 g) = 0.15%; Deviation (10 g) = 1.63%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1067

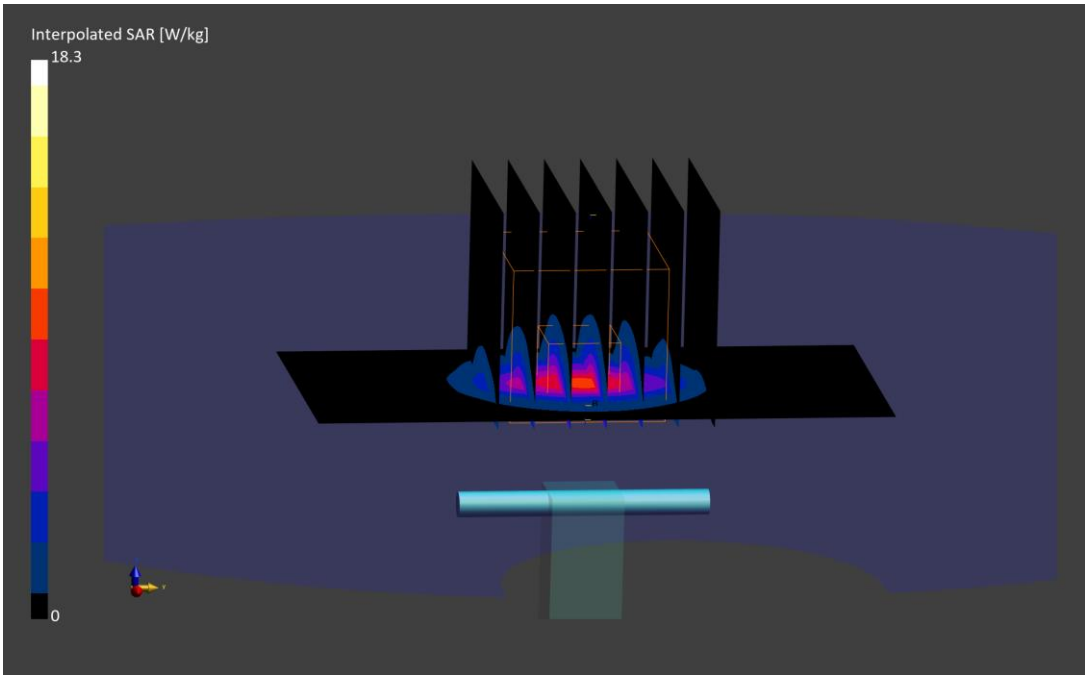
Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.000 MHz; cond = 3.01 S/m; perm = 38.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/18/2024; Ambient Temp: 23.1°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7660; ConvF:(6.88,6.7,7.33); 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 V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 6.86 W/kg; SAR(10 g) = 2.54 W/kg
Deviation (1 g) = 2.54%; Deviation (10 g) = 4.53%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1029

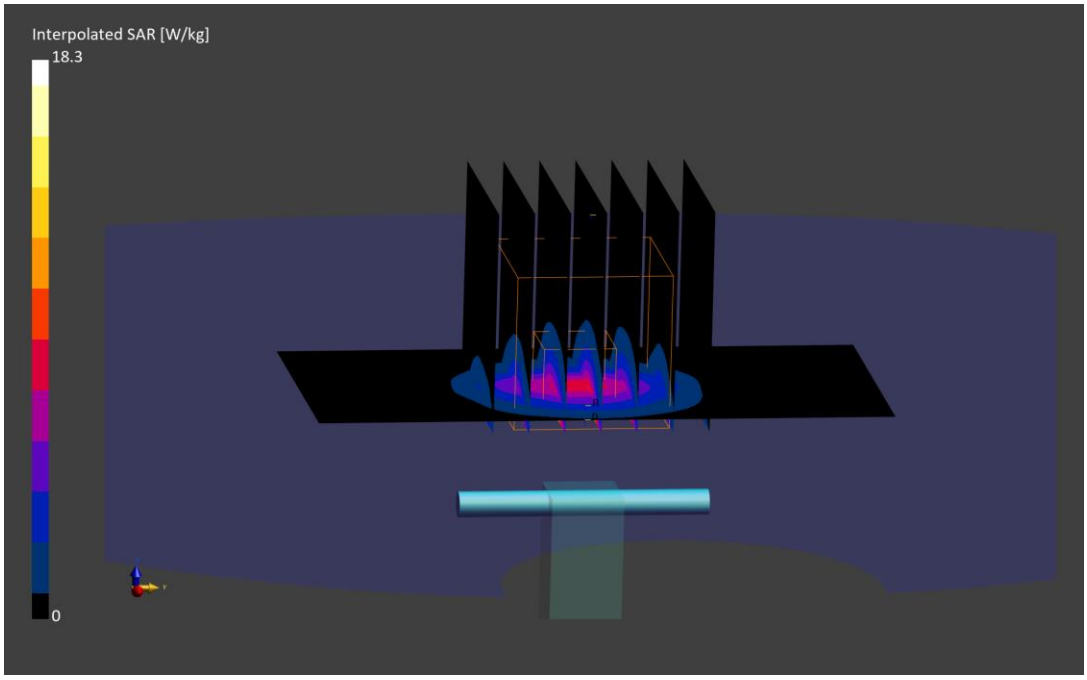
Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.000 MHz; cond = 2.99 S/m; perm = 38.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/18/2024; Ambient Temp: 21.6°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7558; ConvF:(6.94,6.94,6.94); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1364; 2023-09-06
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 18.3 W/kg
SAR(1 g) = 6.70 W/kg; SAR(10 g) = 2.48 W/kg
Deviation (1 g) = -0.45%; Deviation (10 g) = 1.22%



ELEMENT

DUT: Dipole 3900.000 MHz; Type: D3900V2 - SN1056

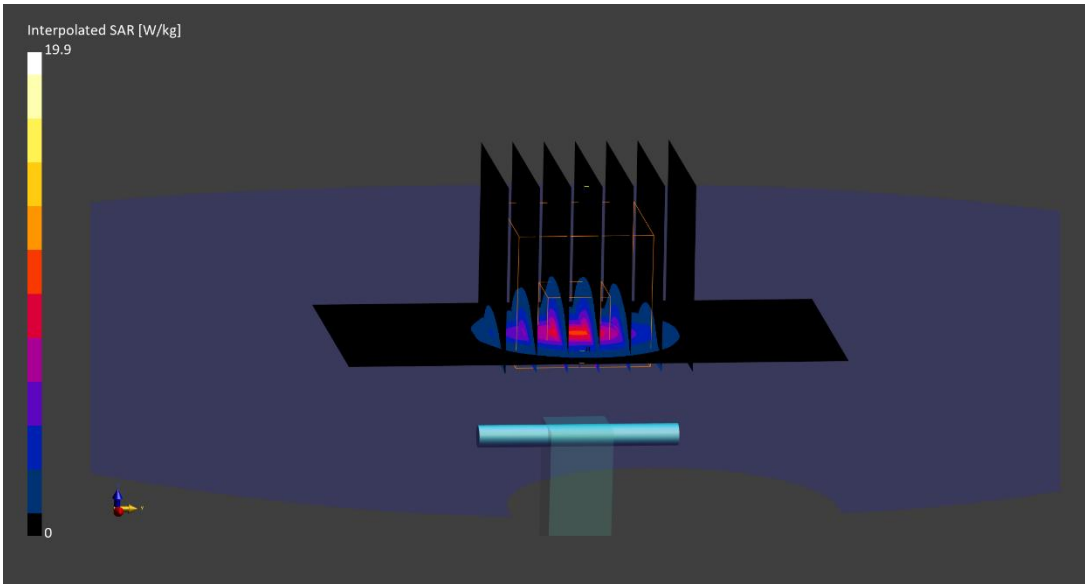
Communication System: UID: 0, CW; Frequency: 3900.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3900.000 MHz; cond = 3.18 S/m; perm = 38.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/28/2024; Ambient Temp: 22.3°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7488; ConvF:(6.86,6.84,6.56); 2024-03-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1415; 2024-03-27
Phantom: Twin-SAM V5.0; Serial: 1759
Measurement SW: DASY Module SAR V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 19.9 W/kg
SAR(1 g) = 7.14 W/kg; SAR(10 g) = 2.53 W/kg
Deviation (1 g) = 4.69%; Deviation (10 g) = 6.30%



ELEMENT

DUT: Dipole 3900.000 MHz; Type: D3900V2 - SN1056

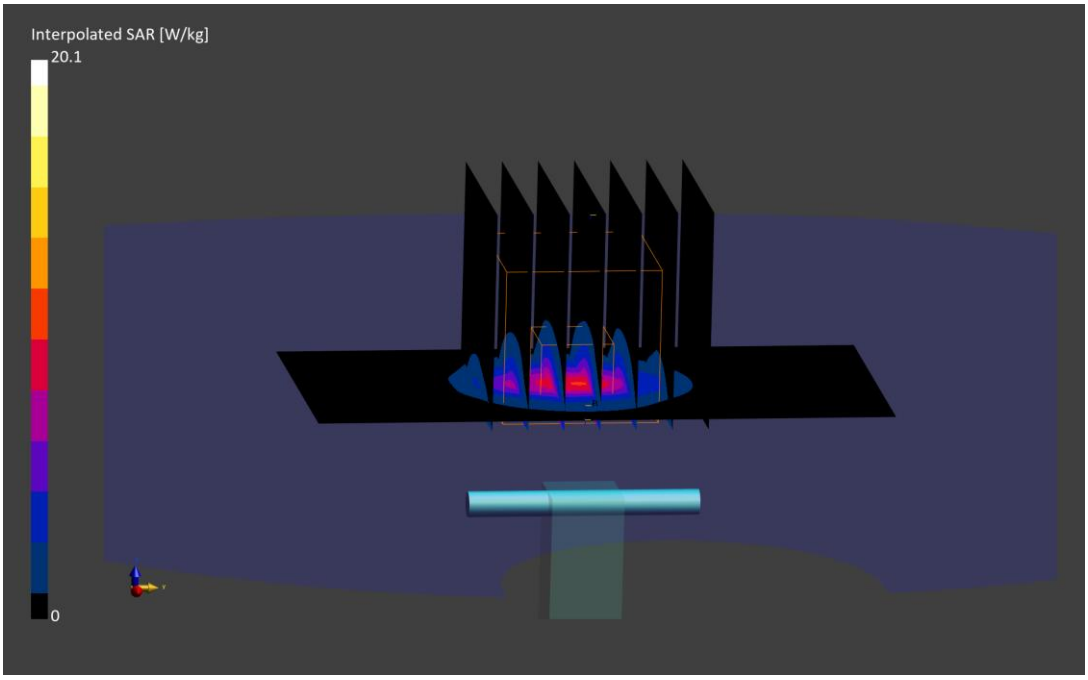
Communication System: UID: 0, CW; Frequency: 3900.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3900.000 MHz; cond = 3.21 S/m; perm = 37.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/18/2024; Ambient Temp: 23.1°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7660; ConvF:(6.75,6.57,7.19); 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 V16.2.4.2524

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 (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 20.1 W/kg
SAR(1 g) = 7.18 W/kg; SAR(10 g) = 2.53 W/kg
Deviation (1 g) = 5.28%; Deviation (10 g) = 6.30%



ELEMENT

DUT: Dipole 5250.000 MHz; Type: D5GHzV2 - SN1237

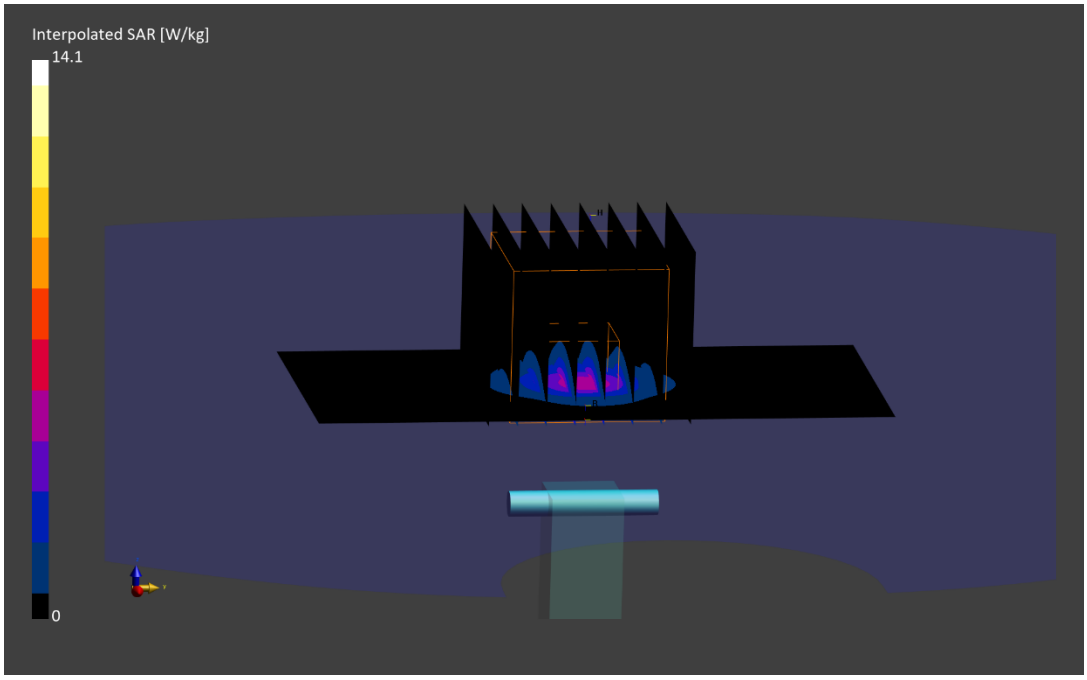
Communication System: UID: 0, CW; Frequency: 5250.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.000 MHz; cond = 4.55 S/m; perm = 34.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/08/2024; Ambient Temp: 21.3°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7547; ConvF:(5.32,5.32,5.32); 2023-10-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; 2023-10-18
Phantom: Twin-SAM V8.0; Serial: 1937
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 14.1 W/kg
SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.09 W/kg
Deviation (1 g) = -5.37%; Deviation (10 g) = -4.80%



ELEMENT

DUT: Dipole 5250.000 MHz; Type: D5GHzV2 - SN1057

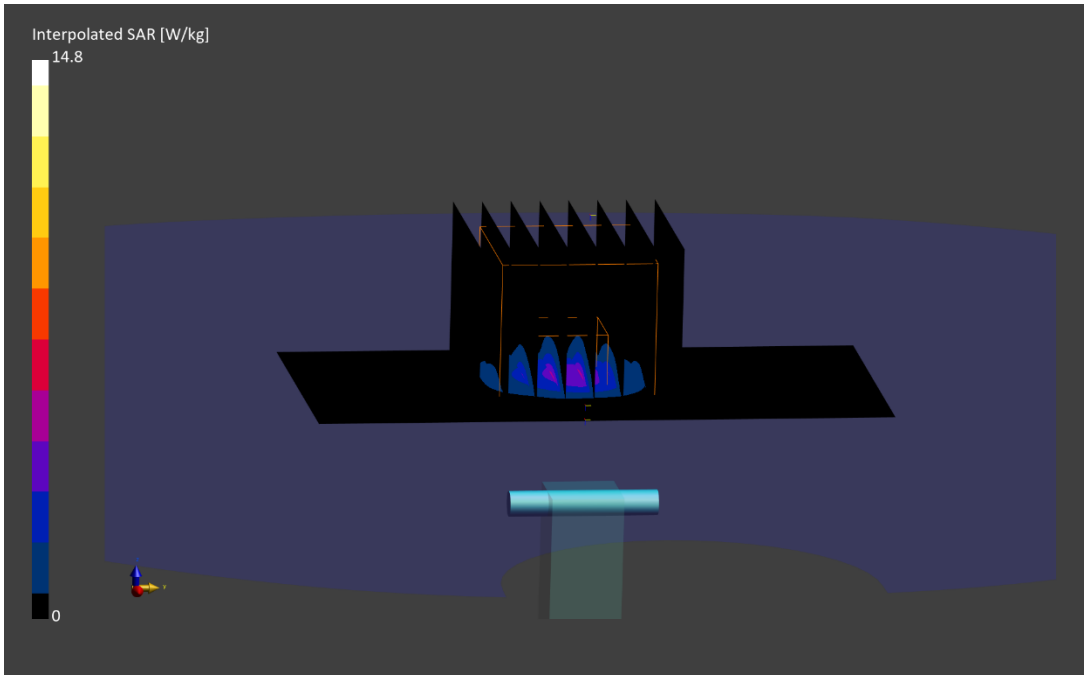
Communication System: UID: 0, CW; Frequency: 5250.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.000 MHz; cond = 4.51 S/m; perm = 36.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/22/2024; Ambient Temp: 24.1°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7713; ConvF:(5.54,5.54,5.54); 2024-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 14.8 W/kg
SAR(1 g) = 3.81 W/kg; SAR(10 g) = 1.09 W/kg
Deviation (1 g) = -4.03%; Deviation (10 g) = -3.96%



ELEMENT

DUT: Dipole 5600.000 MHz; Type: D5GHzV2 - SN1237

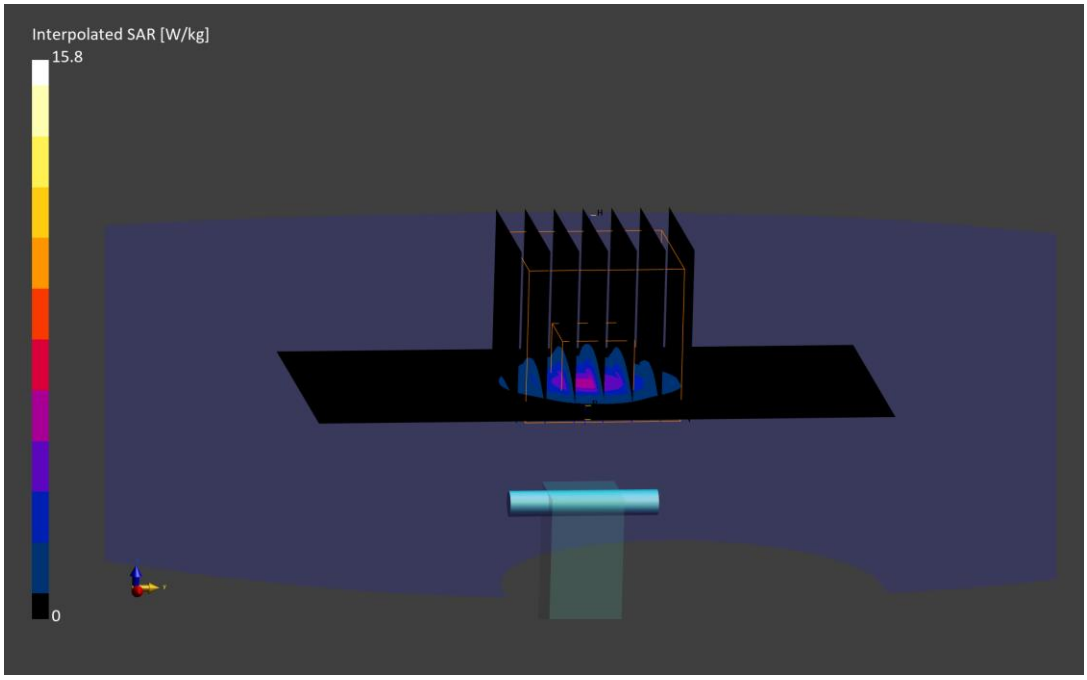
Communication System: UID: 0, CW; Frequency: 5600.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.000 MHz; cond = 4.92 S/m; perm = 34.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/08/2024; Ambient Temp: 21.3°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7547; ConvF:(4.78,4.78,4.78); 2023-10-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; 2023-10-18
Phantom: Twin-SAM V8.0; Serial: 1937
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 15.8 W/kg
SAR(1 g) = 3.95 W/kg; SAR(10 g) = 1.13 W/kg
Deviation (1 g) = -3.66%; Deviation (10 g) = -3.00%



ELEMENT

DUT: Dipole 5600.000 MHz; Type: D5GHzV2 - SN1191

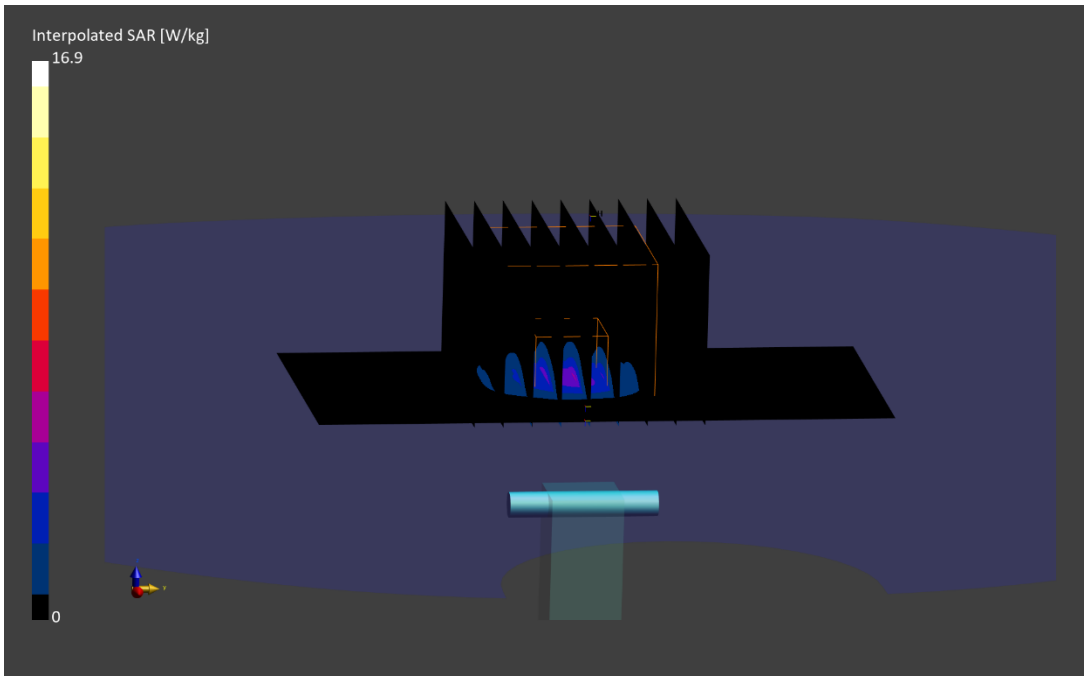
Communication System: UID: 0, CW; Frequency: 5600.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.000 MHz; cond = 4.90 S/m; perm = 35.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/22/2024; Ambient Temp: 24.1°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7713; ConvF:(4.99,4.99,4.99); 2024-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 16.9 W/kg
SAR(1 g) = 4.10 W/kg; SAR(10 g) = 1.15 W/kg
Deviation (1 g) = -1.20%; Deviation (10 g) = -3.77%



ELEMENT

DUT: Dipole 5750.000 MHz; Type: D5GHzV2 - SN1237

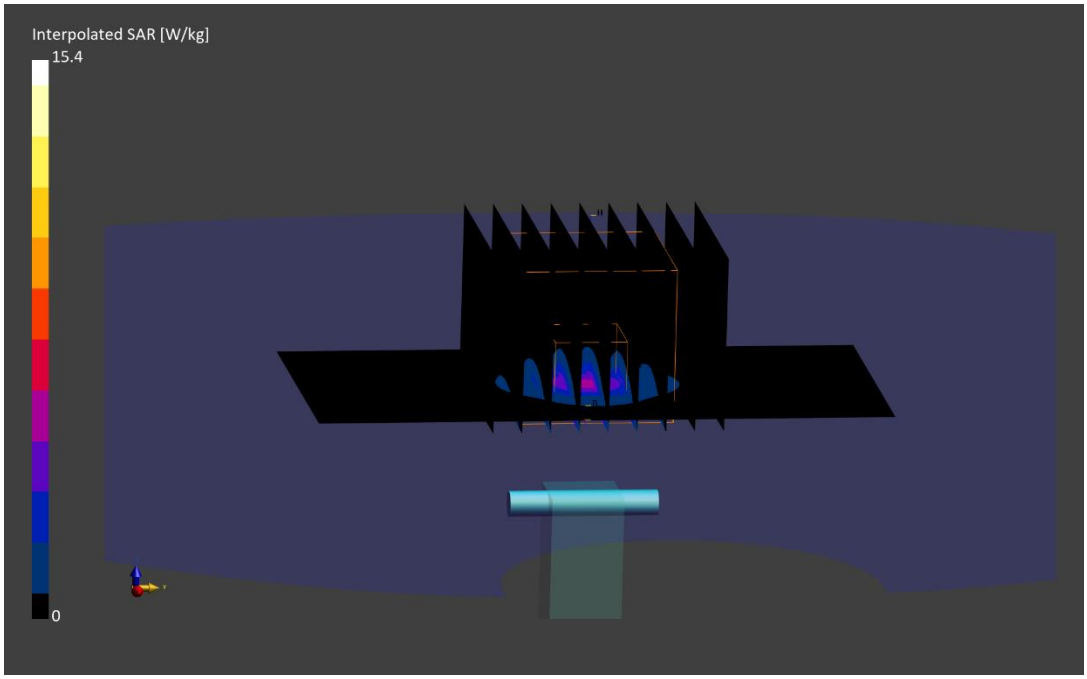
Communication System: UID: 0, CW; Frequency: 5750.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.000 MHz; cond = 5.11 S/m; perm = 34.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/08/2024; Ambient Temp: 21.3°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7547; ConvF:(4.85,4.85,4.85); 2023-10-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; 2023-10-18
Phantom: Twin-SAM V8.0; Serial: 1937
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 15.4 W/kg
SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.07 W/kg
Deviation (1 g) = -5.81%; Deviation (10 g) = -4.89%



ELEMENT

DUT: Dipole 5750.000 MHz; Type: D5GHzV2 - SN1057

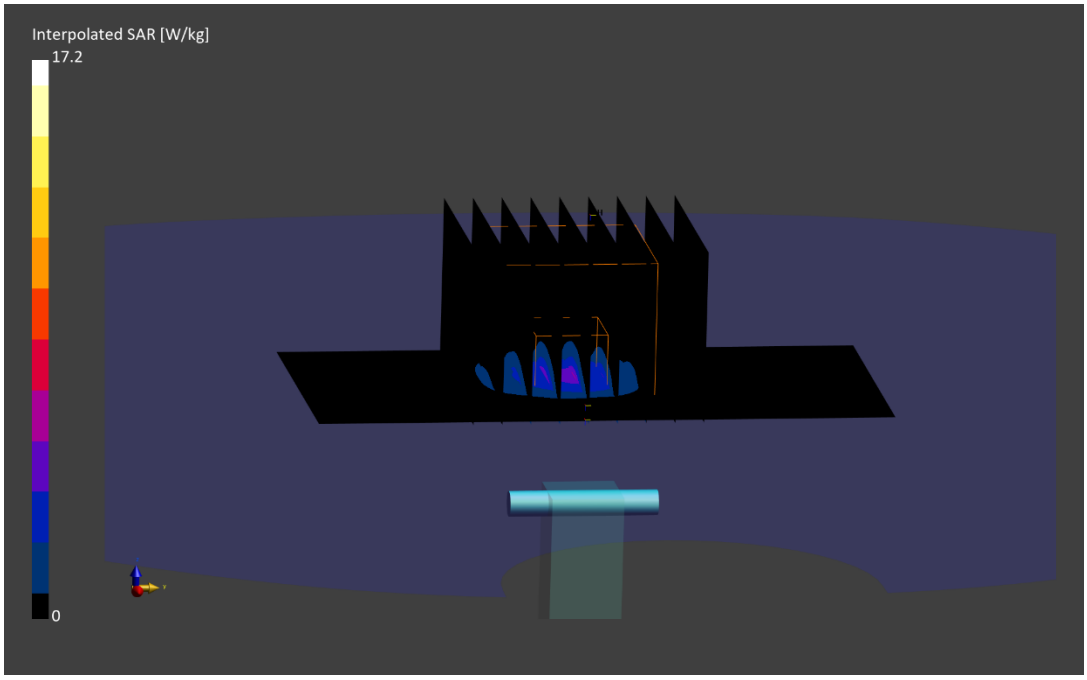
Communication System: UID: 0, CW; Frequency: 5750.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.000 MHz; cond = 5.07 S/m; perm = 35.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/22/2024; Ambient Temp: 24.1°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7713; ConvF:(5.08,5.08,5.08); 2024-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 17.2 W/kg
SAR(1 g) = 4.11 W/kg; SAR(10 g) = 1.17 W/kg
Deviation (1 g) = 3.01%; Deviation (10 g) = 3.08%



ELEMENT

DUT: Dipole 5850.000 MHz; Type: D5GHzV2 - SN1237

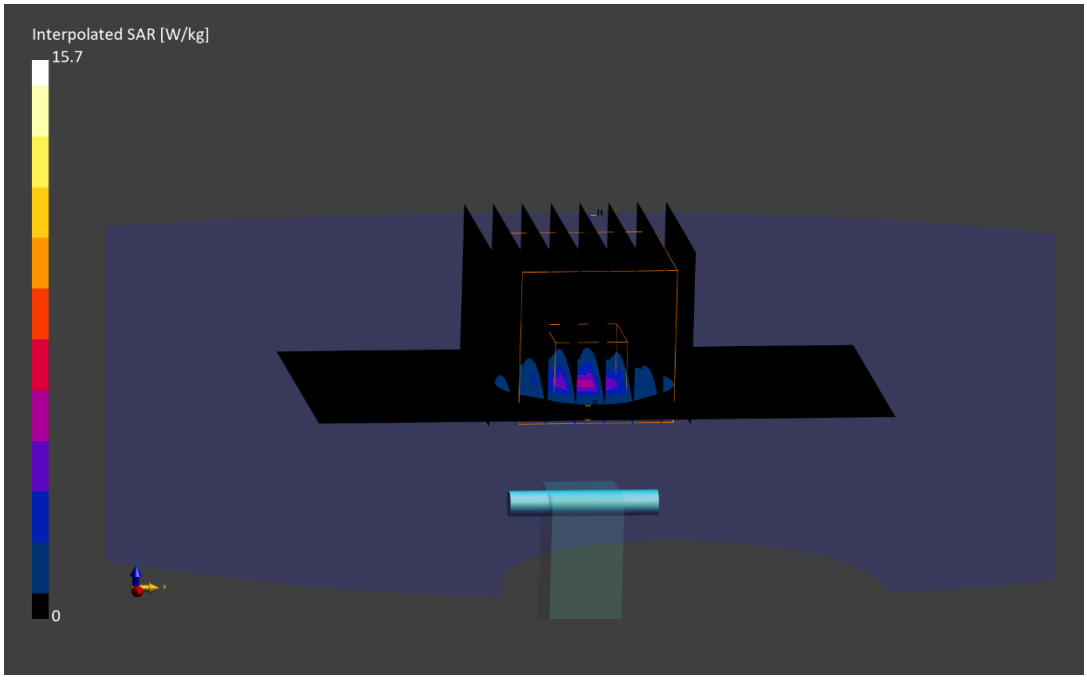
Communication System: UID: 0, CW; Frequency: 5850.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5850.000 MHz; cond = 5.22 S/m; perm = 33.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/08/2024; Ambient Temp: 21.3°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7547; ConvF:(4.75,4.75,4.75); 2023-10-23
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; 2023-10-18
Phantom: Twin-SAM V8.0; Serial: 1937
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 15.6 W/kg
SAR(1 g) = 3.71 W/kg; SAR(10 g) = 1.05 W/kg
Deviation (1 g) = -7.71%; Deviation (10 g) = -7.89%



ELEMENT

DUT: Dipole 5850.000 MHz; Type: D5GHzV2 - SN1057

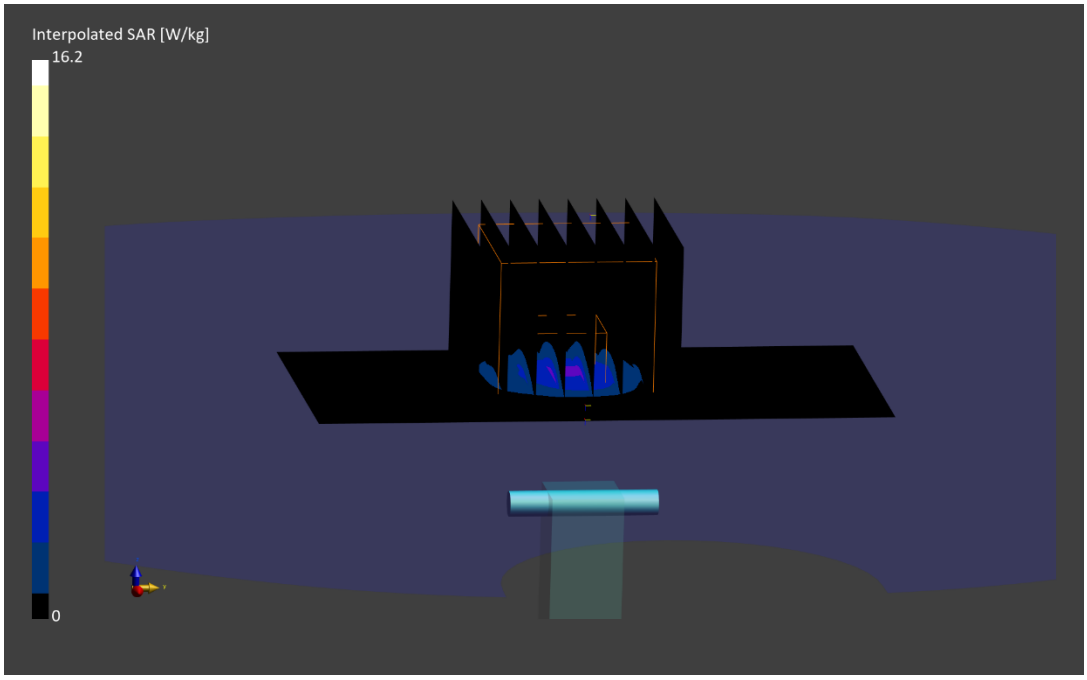
Communication System: UID: 0, CW; Frequency: 5850.000 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5850.000 MHz; cond = 5.19 S/m; perm = 35.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/22/2024; Ambient Temp: 24.1°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7713; ConvF:(4.98,4.98,4.98); 2024-01-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; 2024-01-16
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.4.2524

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) = 16.2 W/kg
SAR(1 g) = 3.68 W/kg; SAR(10 g) = 1.05 W/kg
Deviation (1 g) = -9.69%; Deviation (10 g) = -8.70%



ELEMENT

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

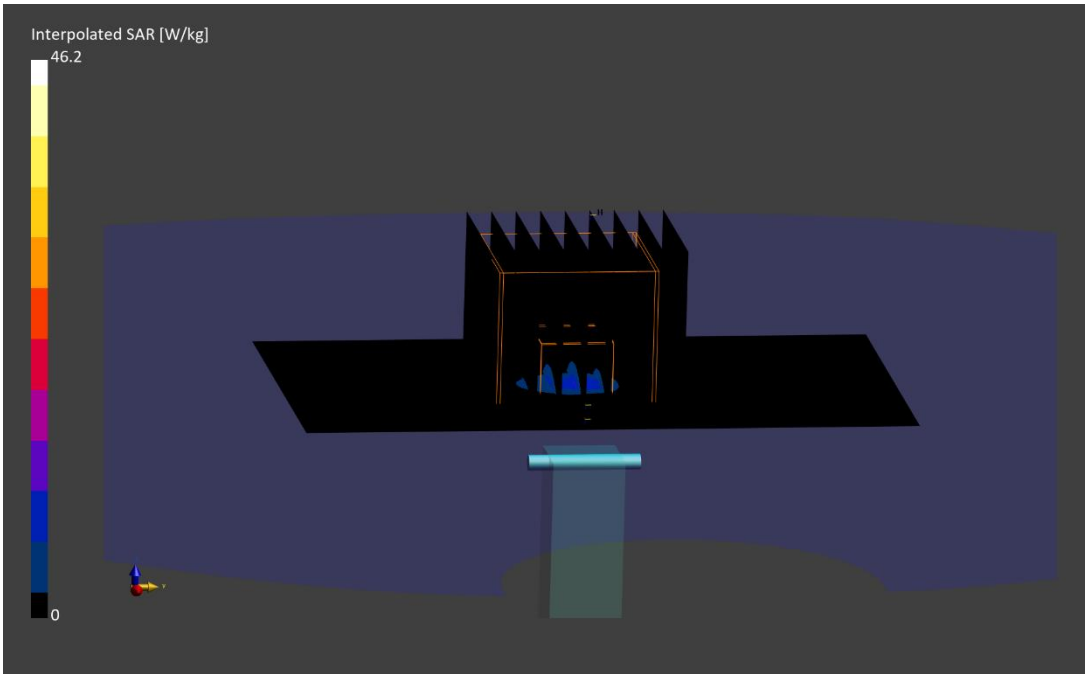
Communication System: UID: 0, CW; Frequency: 6500.000 MHz
Medium: 6000 Head; Medium parameters used:
f = 6500.000 MHz; cond = 6.11 S/m; perm = 33.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 5 mm

Test Date: 06/24/2024; Ambient Temp: 23.5°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7659; ConvF:(5.95,5.95,5.95); 2024-04-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; 2024-04-18
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.4.2524

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 (22.0 x 22.0 x 22.0): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 46.2 W/kg
SAR(1 g) = 7.40 W/kg; SAR(10 g) = 1.38 W/kg
Deviation (1 g) = 1.72%; Deviation (10 g) = 3.18%



ELEMENT

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

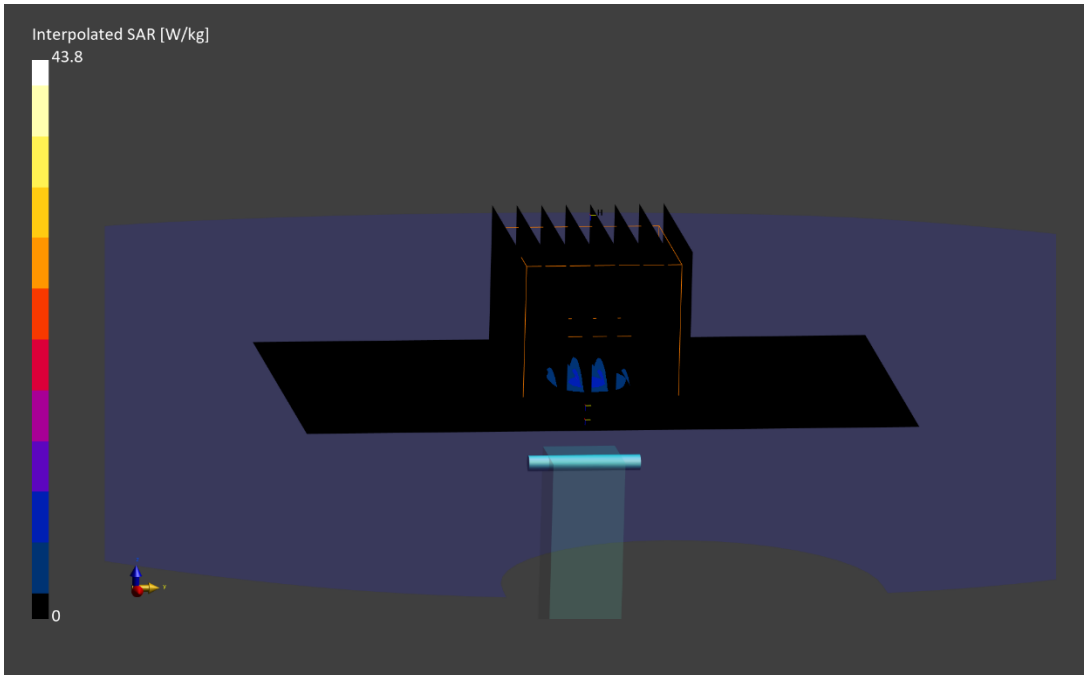
Communication System: UID: 0, CW; Frequency: 6500.000 MHz
Medium: 6000 Head; Medium parameters used:
f = 6500.000 MHz; cond = 5.85 S/m; perm = 35.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 5 mm

Test Date: 06/30/2024; Ambient Temp: 21.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7410; ConvF:(5.55,5.55,5.55); 2023-07-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4ip Sn1638; 2023-10-18
Phantom: Twin-SAM V8.0; Serial: 1979
Measurement SW: DASY Module SAR V16.2.4.2524

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 (22.0 x 22.0 x 22.0): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 43.8 W/kg
SAR(1 g) = 6.85 W/kg; SAR(10 g) = 1.25 W/kg
Deviation (1 g) = -6.48%; Deviation (10 g) = -7.24%



ELEMENT

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

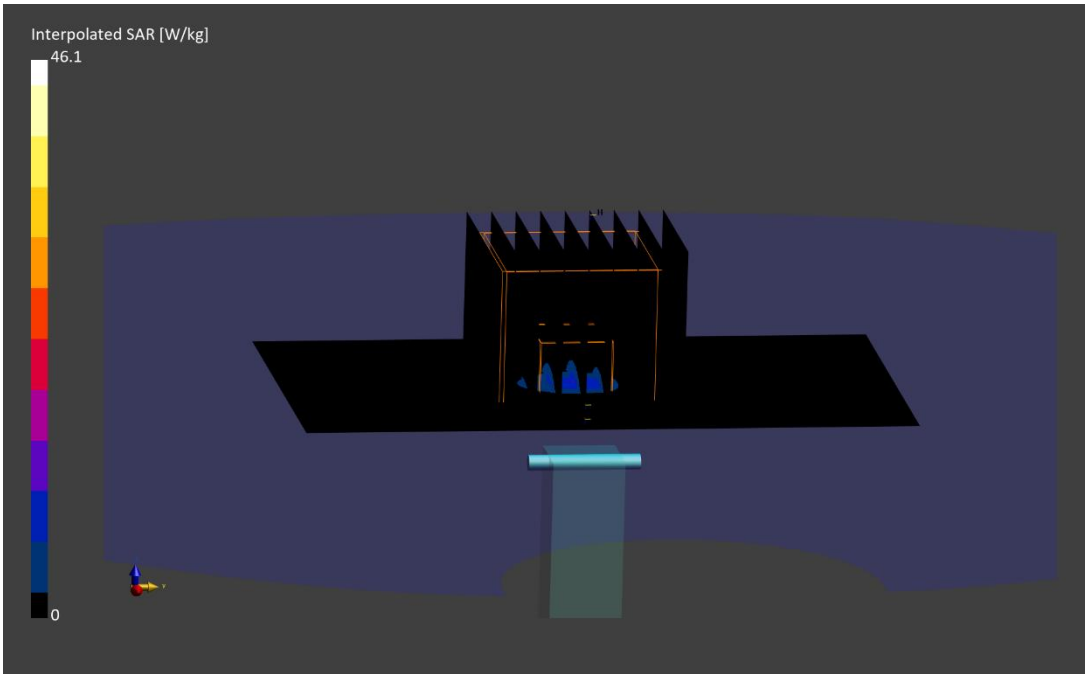
Communication System: UID: 0, CW; Frequency: 6500.000 MHz
Medium: 6000 Head; Medium parameters used:
f = 6500.000 MHz; cond = 6.08 S/m; perm = 33.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 5 mm

Test Date: 07/01/2024; Ambient Temp: 21.9°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7659; ConvF:(5.95,5.95,5.95); 2024-04-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; 2024-04-18
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.4.2524

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 (22.0 x 22.0 x 22.0): Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 46.1 W/kg
SAR(1 g) = 7.44 W/kg; SAR(10 g) = 1.38 W/kg
Deviation (1 g) = 2.27%; Deviation (10 g) = 3.18%



Element

Date: 2024-06-18, 08:56

Measurement Group

Device Under Test Properties

DUT	Serial Number	DUT Type
10 GHz Verification Source	1002	Phone

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
EUmmWV4 - SN9622_F1-55GHz, 2024-02-02	DAE4ip Sn1639, 2023-11-15

Software Setup

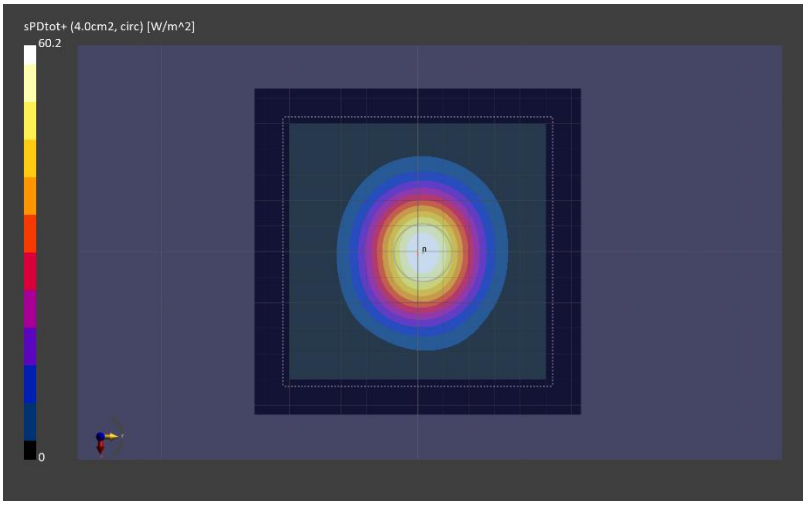
Software	Software Version
cDasy6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS_{tot} avg [W/m²]	60.2
pS_n avg [W/m²]	59.9
E_{peak} [V/m]	162
Power Drift [dB]	-0.01



Element

Date: 2024-06-23, 08:05

Measurement Group

Device Under Test Properties

DUT	Serial Number	DUT Type
10 GHz Verification Source	1002	Phone

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
EUmmWV4 - SN9622_F1-55GHz, 2024-02-02	DAE4ip Sn1639, 2023-11-15

Software Setup

Software	Software Version
cDasy6 Module mmWave	3.2.0.1840

Scans Setup

Scan Type	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	10.0

Measurement Results

Scan Type	5G Scan
Avg. Area [cm²]	4.00
pS_{tot} avg [W/m²]	60.3
pS_n avg [W/m²]	59.9
E_{peak} [V/m]	160
Power Drift [dB]	0.00