APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003

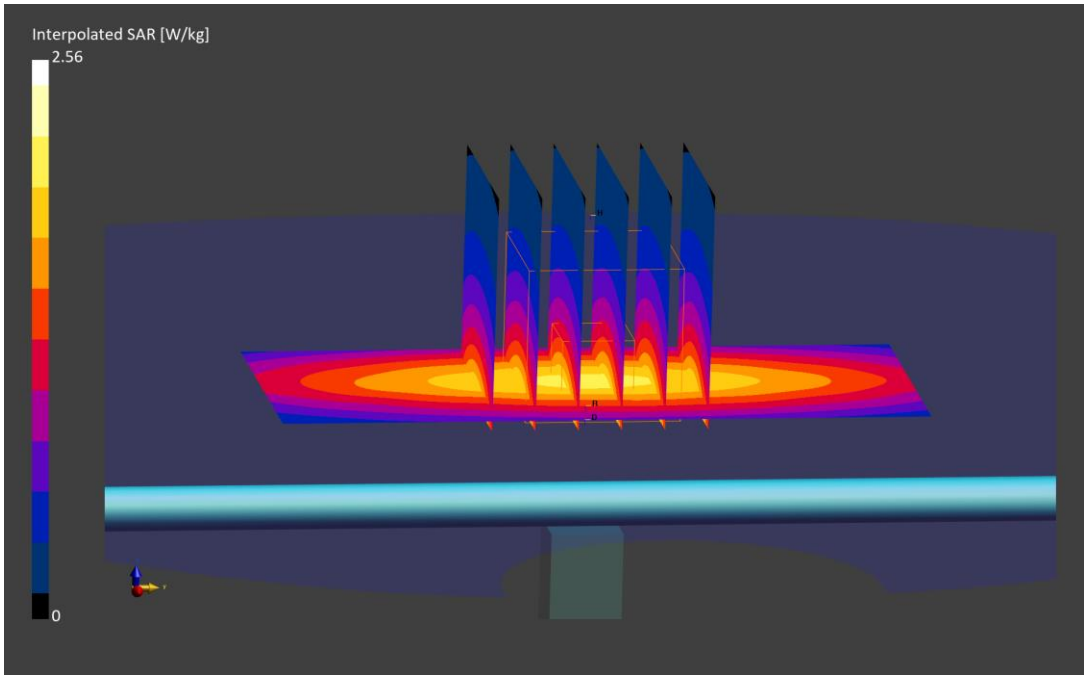
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.895 S/m; perm = 40.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 01/15/2024; Ambient Temp: 21.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7547; ConvF:(9.72,9.72,9.72); 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 V16.2.0.1425

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) = 2.57 W/kg
SAR(1 g) = 1.72 W/kg; SAR(10 g) = 1.13 W/kg
Deviation (1 g) = 1.42%; Deviation (10 g) = 1.62%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003

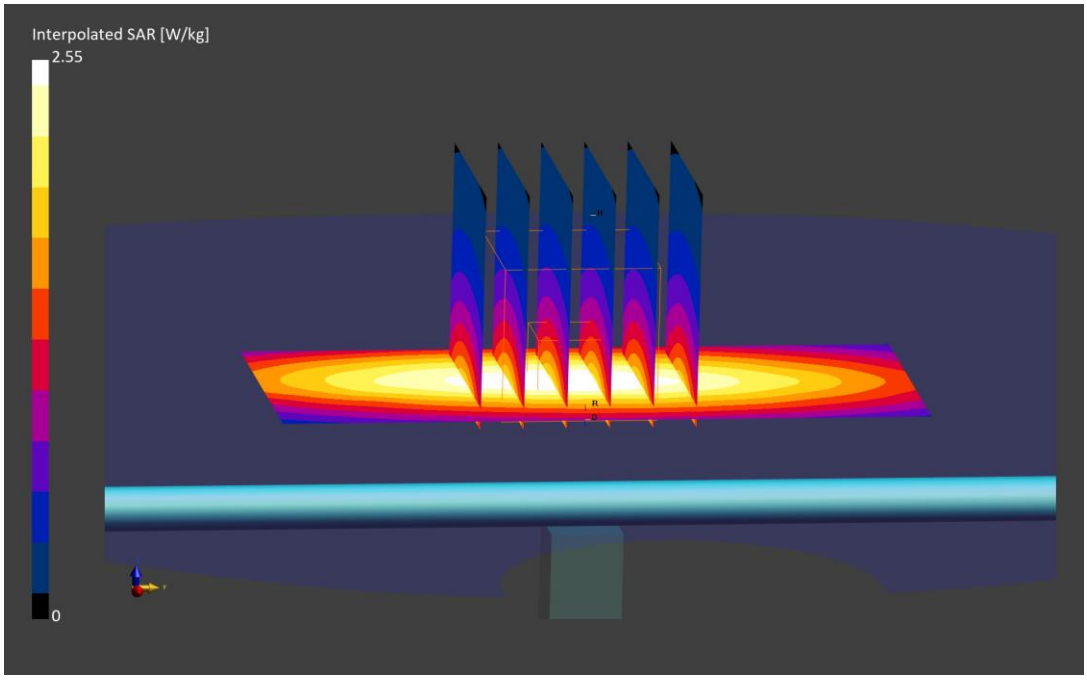
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.894 S/m; perm = 40.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 01/26/2024; Ambient Temp: 22.0°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7547; ConvF:(9.72,9.72,9.72); 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 V16.2.0.1425

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) = 2.55 W/kg
SAR(1 g) = 1.71 W/kg; SAR(10 g) = 1.13 W/kg
Deviation (1 g) = 0.83%; Deviation (10 g) = 1.62%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003

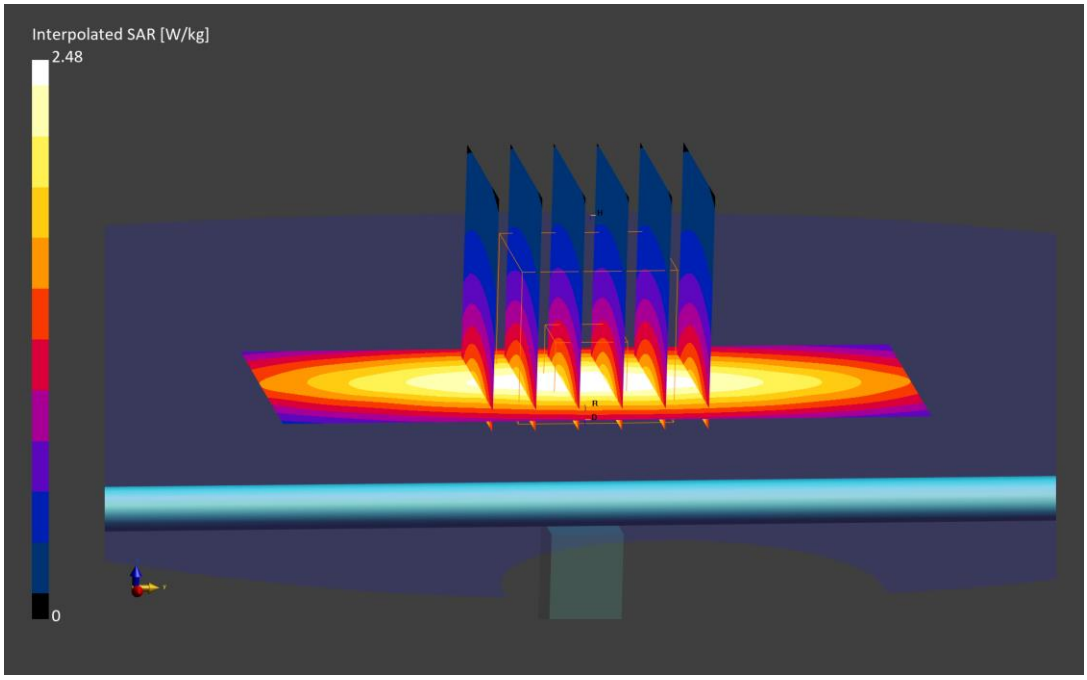
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.871 S/m; perm = 41.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 01/29/2024; Ambient Temp: 22.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7547; ConvF:(9.72,9.72,9.72); 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 V16.2.0.1425

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) = 2.48 W/kg
SAR(1 g) = 1.67 W/kg; SAR(10 g) = 1.10 W/kg
Deviation (1 g) = -1.53%; Deviation (10 g) = -1.08%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003

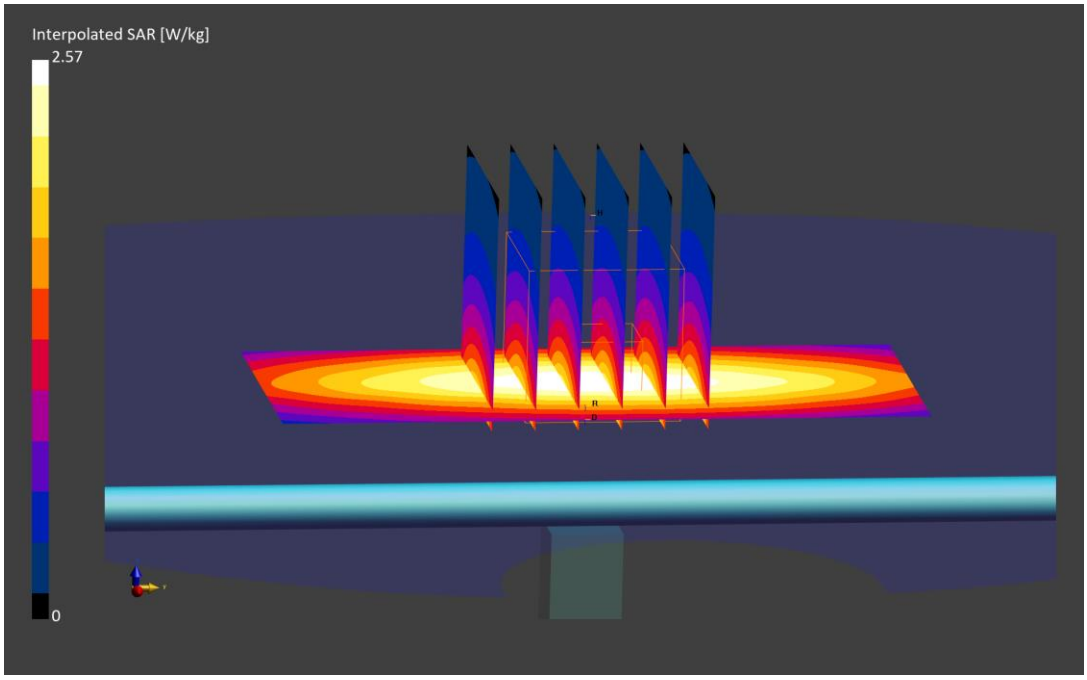
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.904 S/m; perm = 41.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 02/05/2024; Ambient Temp: 22.2°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7547; ConvF:(9.72,9.72,9.72); 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 V16.2.0.1425

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) = 2.57 W/kg
SAR(1 g) = 1.75 W/kg; SAR(10 g) = 1.15 W/kg
Deviation (1 g) = 3.18%; Deviation (10 g) = 3.42%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003

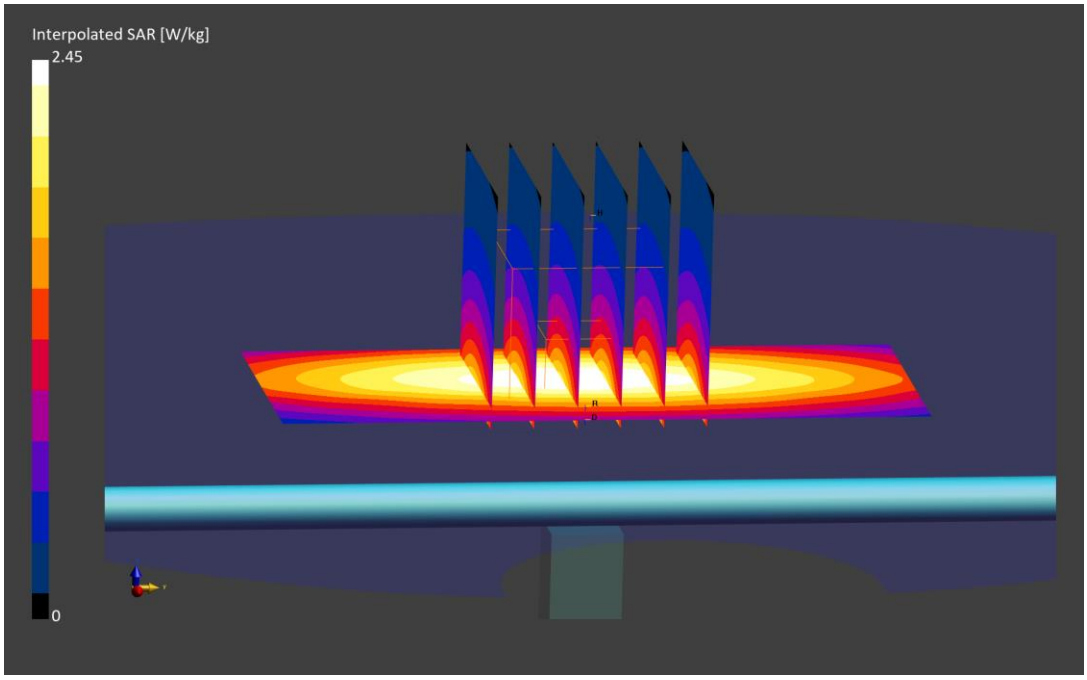
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.880 S/m; perm = 40.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 02/07/2024; Ambient Temp: 21.6°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7547; ConvF:(9.72,9.72,9.72); 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 V16.2.0.1425

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) = 2.45 W/kg
SAR(1 g) = 1.66 W/kg; SAR(10 g) = 1.09 W/kg
Deviation (1 g) = -2.12%; Deviation (10 g) = -1.98%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003

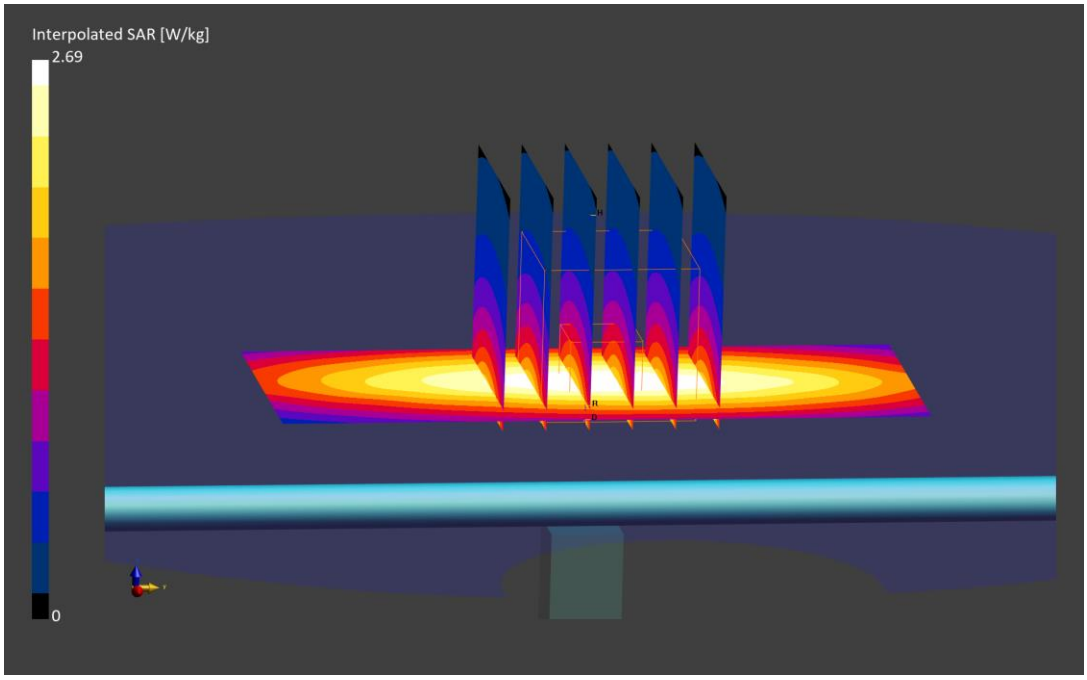
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.894 S/m; perm = 40.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 02/13/2024; Ambient Temp: 21.3°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7547; ConvF:(9.72,9.72,9.72); 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 V16.2.0.1425

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) = 1.76 W/kg; SAR(10 g) = 1.16 W/kg
Deviation (1 g) = 3.77%; Deviation (10 g) = 4.32%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003

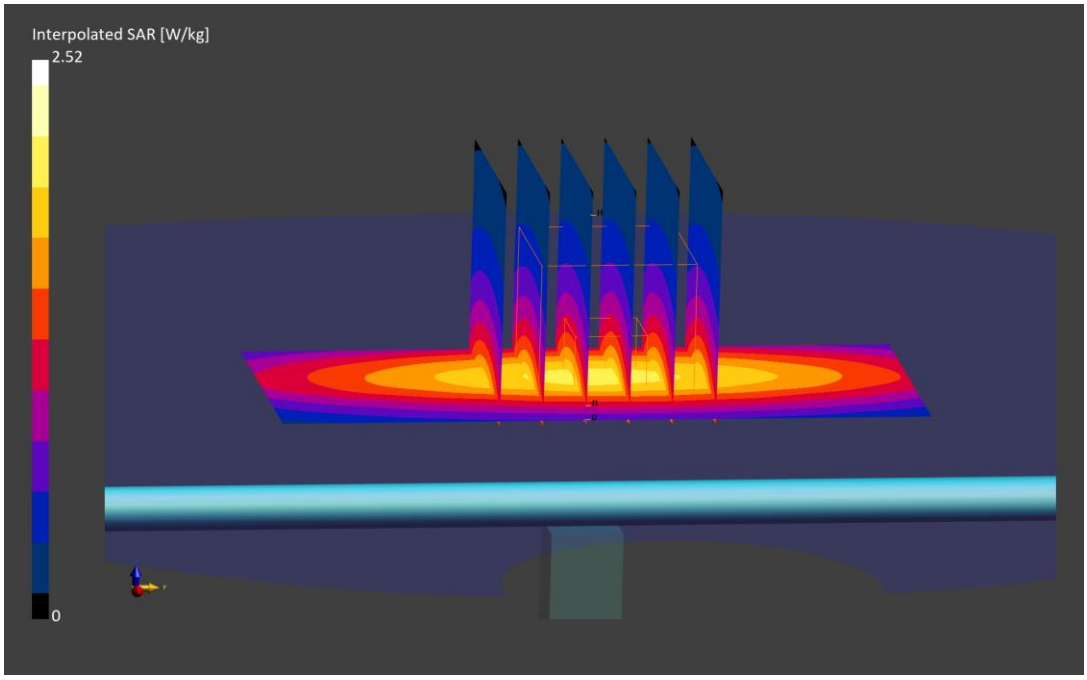
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.881 S/m; perm = 41.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 02/15/2024; Ambient Temp: 21.4°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7547; ConvF:(9.72,9.72,9.72); 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 V16.2.0.1425

750.0 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 2.52 W/kg
SAR(1 g) = 1.71 W/kg; SAR(10 g) = 1.12 W/kg
Deviation (1 g) = 0.83%; Deviation (10 g) = 0.72%



ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1003

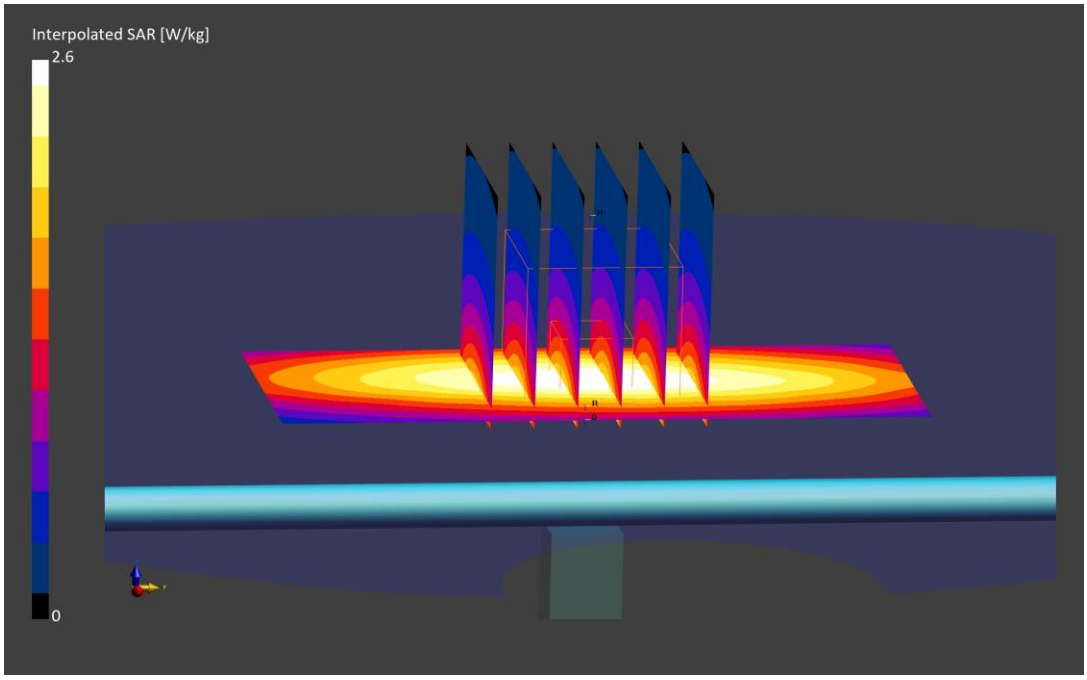
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.879 S/m; perm = 41.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 02/20/2024; Ambient Temp: 22.0°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7547; ConvF:(9.72,9.72,9.72); 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 V16.2.0.1425

750.0 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 2.60 W/kg
SAR(1 g) = 1.73 W/kg; SAR(10 g) = 1.14 W/kg
Deviation (1 g) = 2.00%; Deviation (10 g) = 2.52%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d180

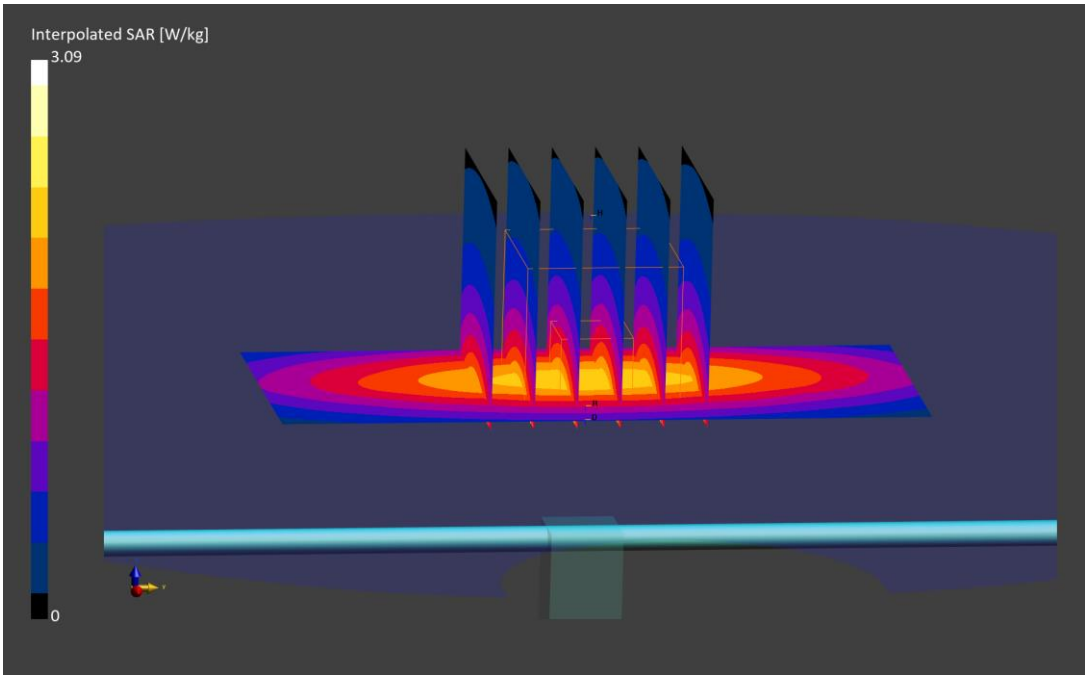
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.889 S/m; perm = 40.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 01/17/2024; Ambient Temp: 19.1°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7640; ConvF:(10.56,10.56,10.56); 2023-02-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1645; 2023-02-16
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 3.09 W/kg
SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.26 W/kg
Deviation (1 g) = 0.73%; Deviation (10 g) = 0.48%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d119

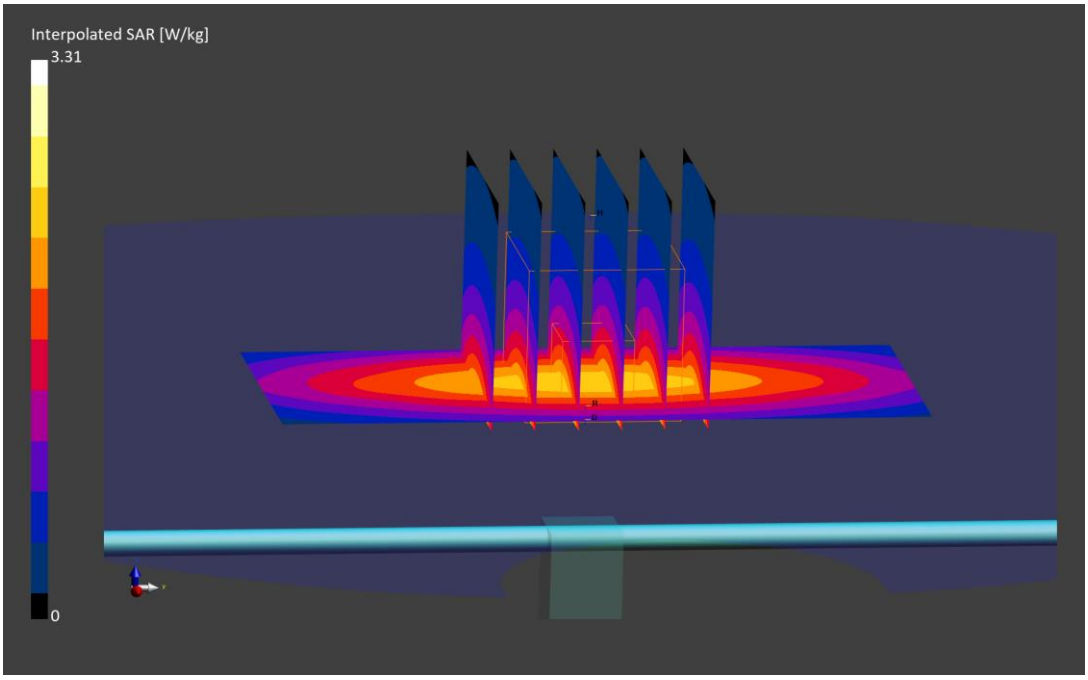
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.913 S/m; perm = 40.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 01/19/2024; Ambient Temp: 19.0°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7640; ConvF:(10.56,10.56,10.56); 2023-02-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1645; 2023-02-16
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 3.31 W/kg
SAR(1 g) = 2.08 W/kg; SAR(10 g) = 1.36 W/kg
Deviation (1 g) = 7.00%; Deviation (10 g) = 6.58%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d133

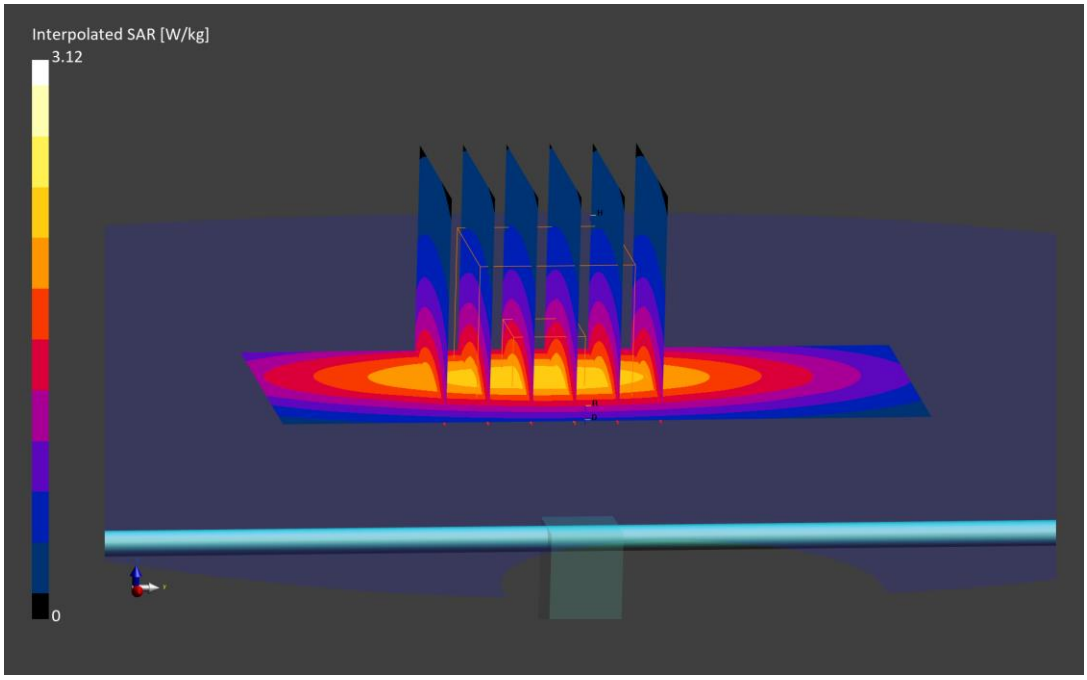
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.885 S/m; perm = 42.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 02/06/2024; Ambient Temp: 20.7°C; Tissue Temp: 19.2°C

Probe: EX3DV4 - SN7713; ConvF:(10.25,10.25,10.25); 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 V16.2.0.1425

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) = 3.12 W/kg
SAR(1 g) = 1.98 W/kg; SAR(10 g) = 1.29 W/kg
Deviation (1 g) = 1.43%; Deviation (10 g) = 1.26%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d132

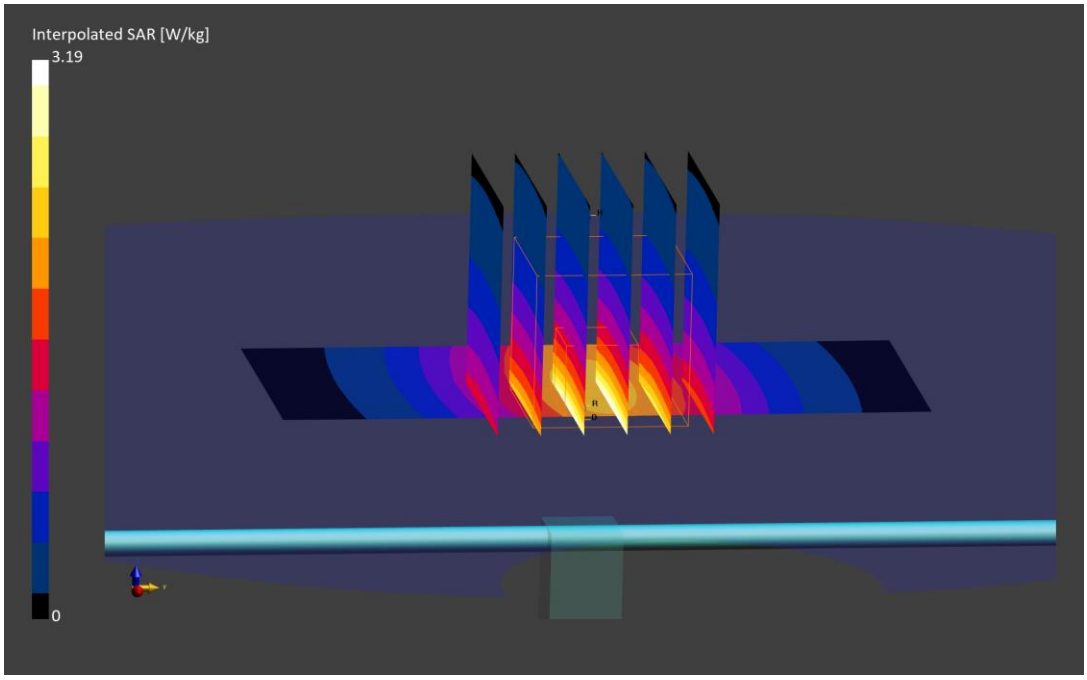
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.875 S/m; perm = 39.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 02/13/2024; Ambient Temp: 20.4°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7660; ConvF:(10.07,10.07,10.07); 2023-05-09
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1678; 2023-05-16
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 3.19 W/kg
SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.30 W/kg
Deviation (1 g) = 1.12%; Deviation (10 g) = 1.56%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d132

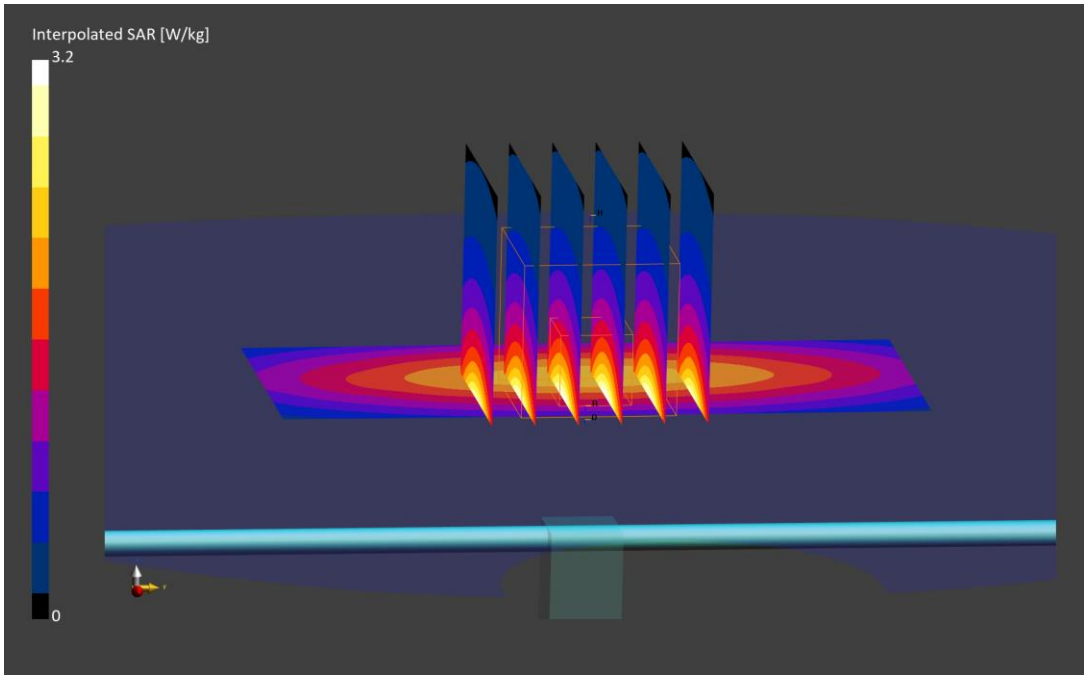
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.902 S/m; perm = 43.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 02/19/2024; Ambient Temp: 20.1°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7660; ConvF:(10.07,10.07,10.07); 2023-05-09
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1678; 2023-05-16
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 3.20 W/kg
SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.34 W/kg
Deviation (1 g) = 3.66%; Deviation (10 g) = 4.69%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d132

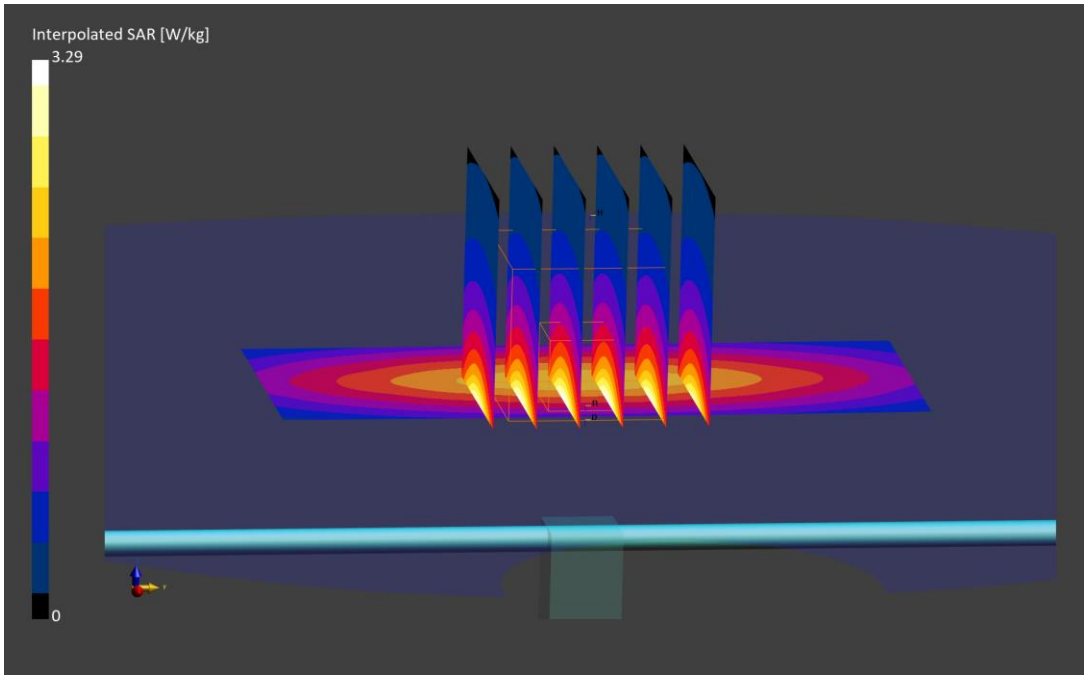
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.884 S/m; perm = 40.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 02/21/2024; Ambient Temp: 22.5°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7660; ConvF:(10.07,10.07,10.07); 2023-05-09
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1678; 2023-05-16
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 3.29 W/kg
SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.37 W/kg
Deviation (1 g) = 6.20%; Deviation (10 g) = 7.03%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1150

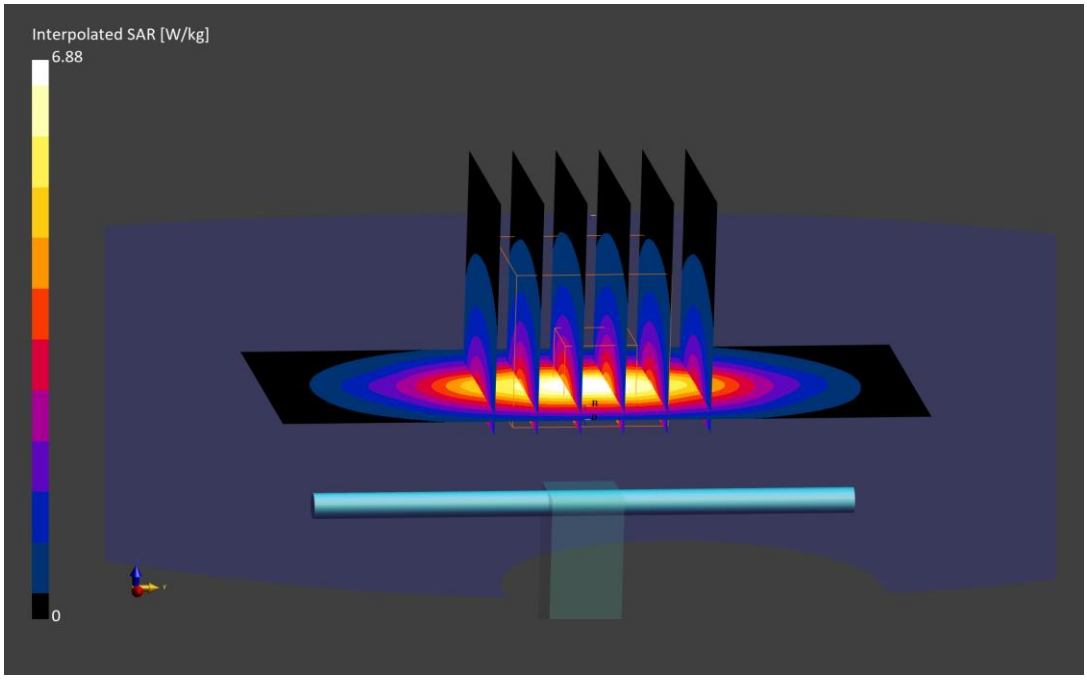
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.35 S/m; perm = 40.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 01/15/2024; Ambient Temp: 19.9°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7659; ConvF:(9.19,9.19,9.19); 2023-04-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; 2023-04-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 6.88 W/kg
SAR(1 g) = 3.85 W/kg; SAR(10 g) = 2.10 W/kg
Deviation (1 g) = 4.34%; Deviation (10 g) = 8.25%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1150

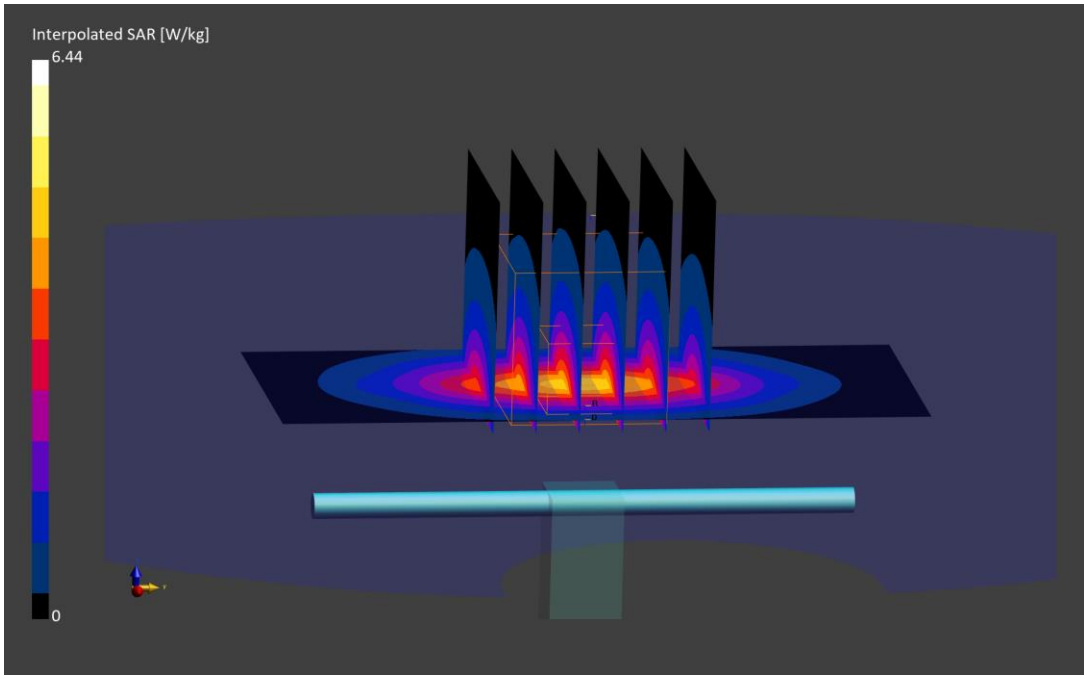
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.35 S/m; perm = 41.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 01/23/2024; Ambient Temp: 20.7°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7659; ConvF:(9.19,9.19,9.19); 2023-04-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; 2023-04-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 6.44 W/kg
SAR(1 g) = 3.64 W/kg; SAR(10 g) = 1.99 W/kg
Deviation (1 g) = -1.36%; Deviation (10 g) = 2.58%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1150

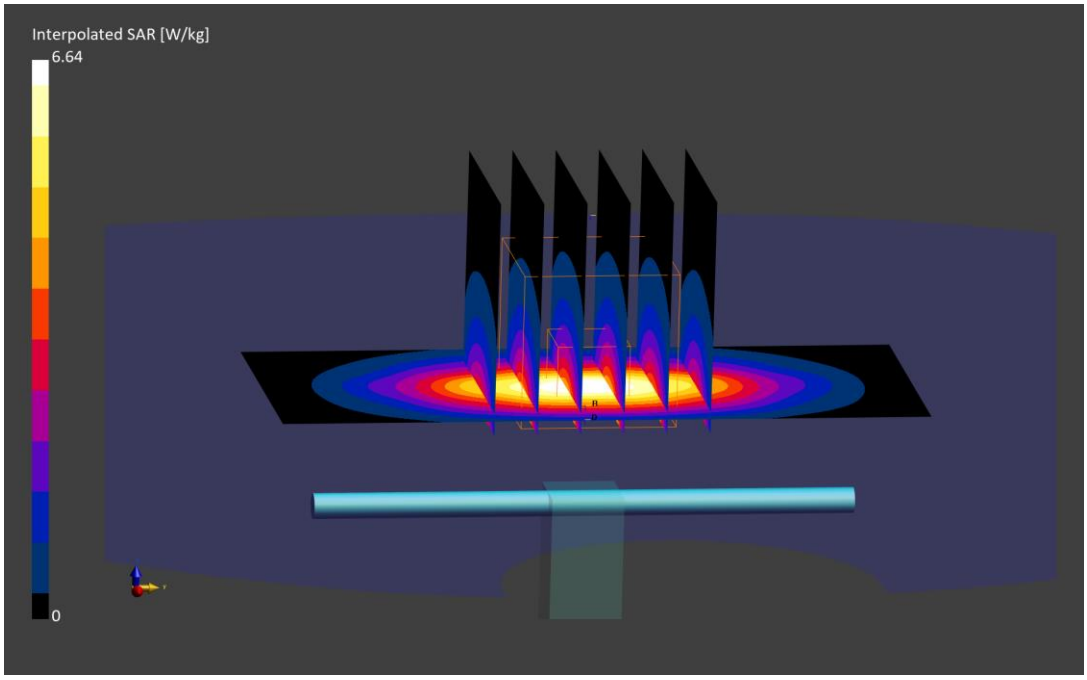
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.38 S/m; perm = 38.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/05/2024; Ambient Temp:20.3°C; Tissue Temp:19.5°C

Probe: EX3DV4 - SN7659; ConvF:(9.19,9.19,9.19); 2023-04-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; 2023-04-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 6.64 W/kg
SAR(1 g) = 3.57 W/kg; SAR(10 g) = 1.88 W/kg
Deviation (1 g) = -3.25%; Deviation (10 g) = -3.09%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1765V2 - SN1008

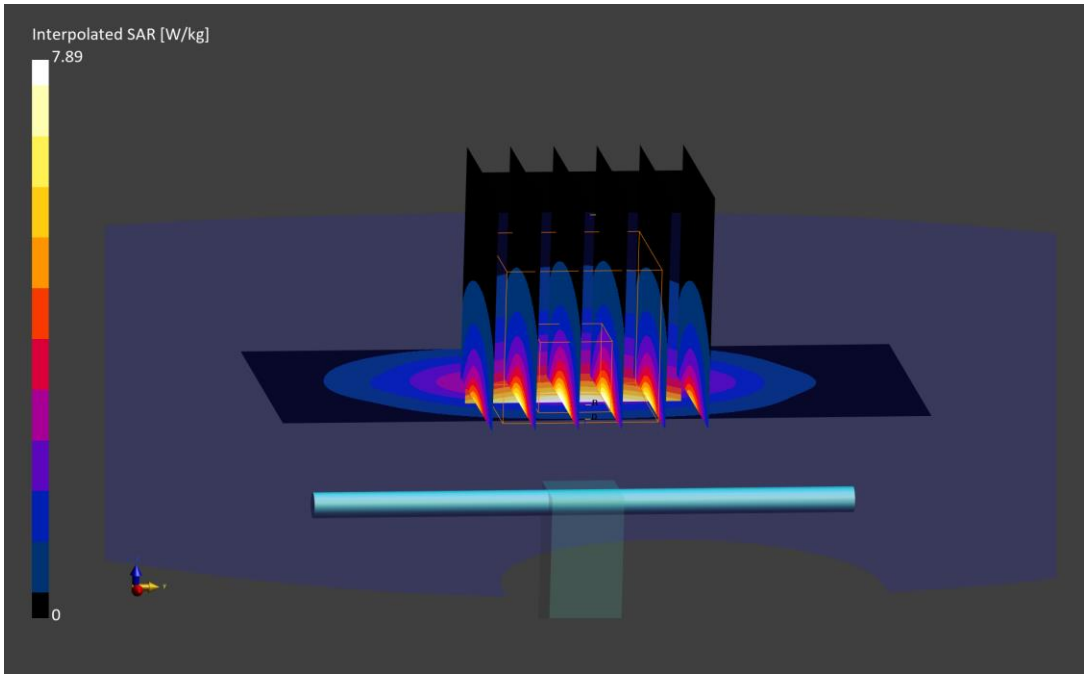
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.37 S/m; perm = 38.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/26/2024; Ambient Temp: 19.7°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7661; ConvF:(8.97,8.97,8.97); 2023-06-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2023-05-11
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 7.68 W/kg
SAR(1 g) = 3.63 W/kg; SAR(10 g) = 1.85 W/kg
Deviation (1 g) = -2.94%; Deviation (10 g) = -5.61%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1148

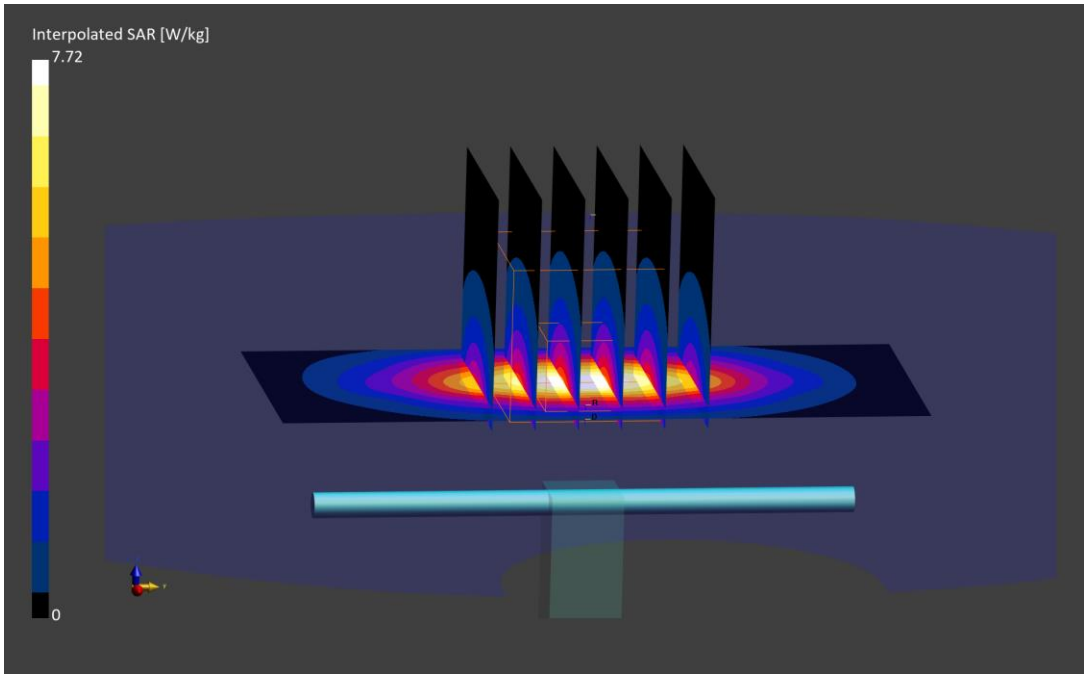
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.42 S/m; perm = 38.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/13/2024; Ambient Temp: 21.4°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7661; ConvF:(8.97,8.97,8.97); 2023-06-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2023-05-11
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 7.72 W/kg
SAR(1 g) = 3.86 W/kg; SAR(10 g) = 2.01 W/kg
Deviation (1 g) = 3.76%; Deviation (10 g) = 3.61%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d148

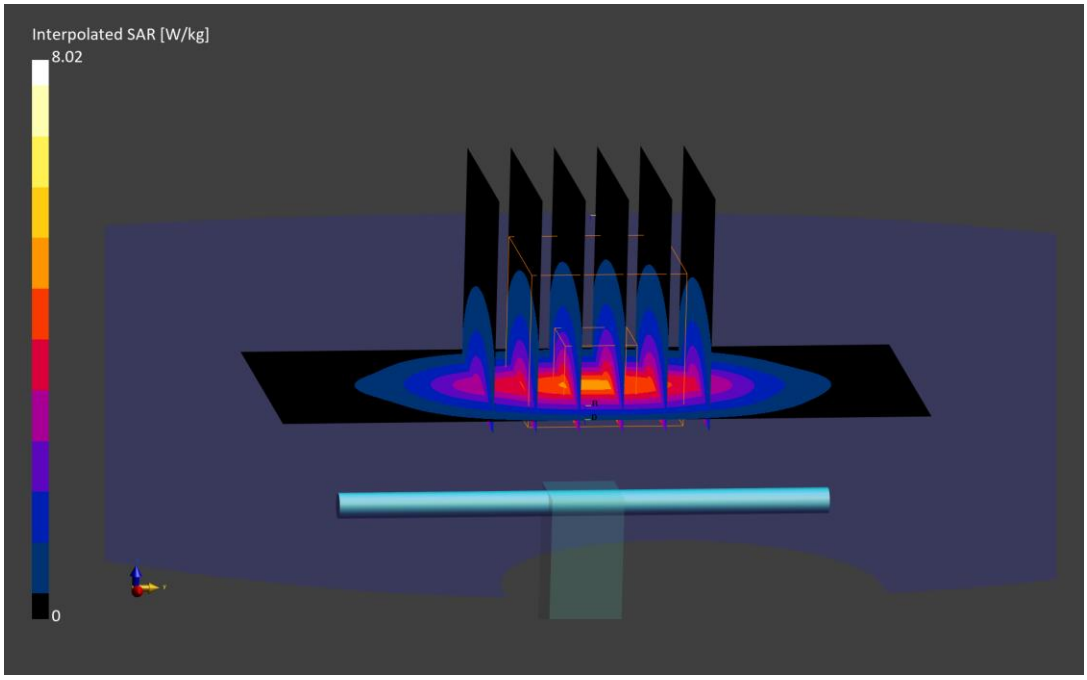
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.44 S/m; perm = 41.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 01/29/2024; Ambient Temp: 19.9°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7660; ConvF:(8.89,8.89,8.89); 2023-05-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; 2023-05-16
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 8.02 W/kg
SAR(1 g) = 3.99 W/kg; SAR(10 g) = 2.03 W/kg
Deviation (1 g) = -0.50%; Deviation (10 g) = -3.33%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d148

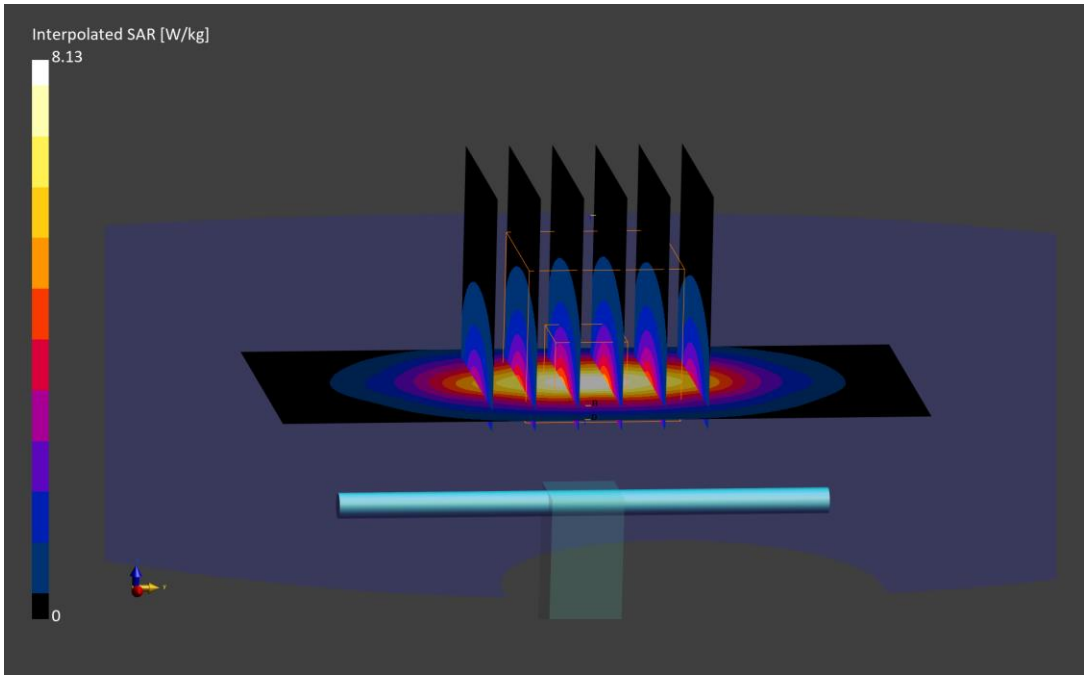
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.44 S/m; perm = 39.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 01/31/2024; Ambient Temp: 20.8°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7660; ConvF:(8.89,8.89,8.89); 2023-05-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; 2023-05-16
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 8.13 W/kg
SAR(1 g) = 4.13 W/kg; SAR(10 g) = 2.09 W/kg
Deviation (1 g) = 2.99%; Deviation (10 g) = -0.48%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d148

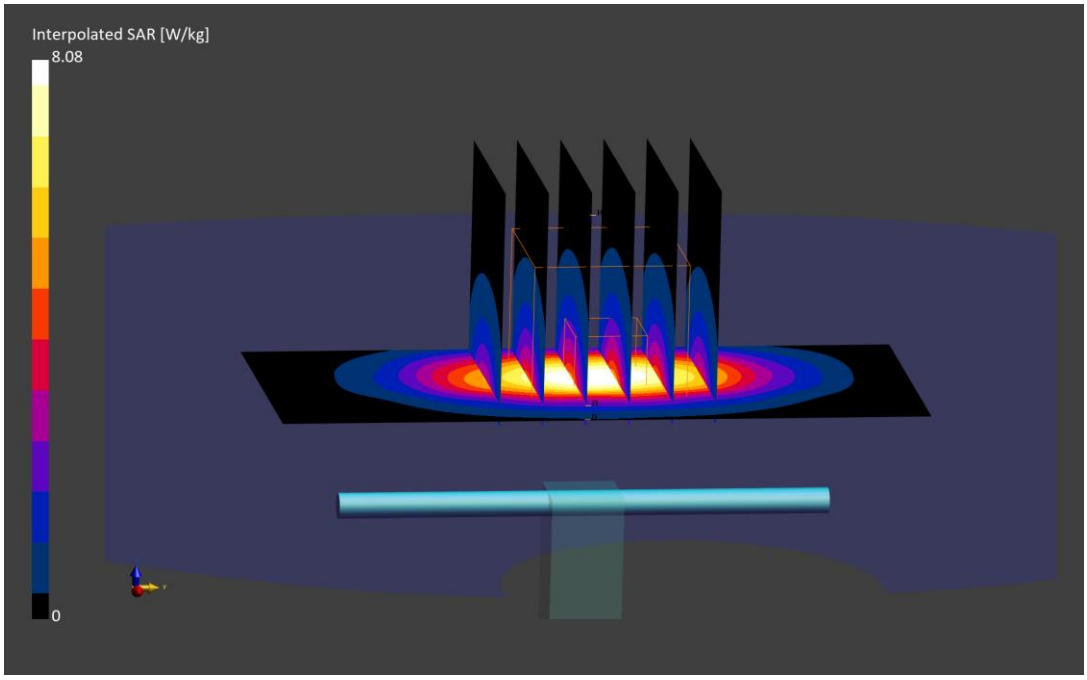
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.45 S/m; perm = 39.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/12/2024; Ambient Temp: 21.9°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7660; ConvF:(8.89,8.89,8.89); 2023-05-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; 2023-05-16
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 8.08 W/kg
SAR(1 g) = 4.13 W/kg; SAR(10 g) = 2.12 W/kg
Deviation (1 g) = 2.99%; Deviation (10 g) = 0.95%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

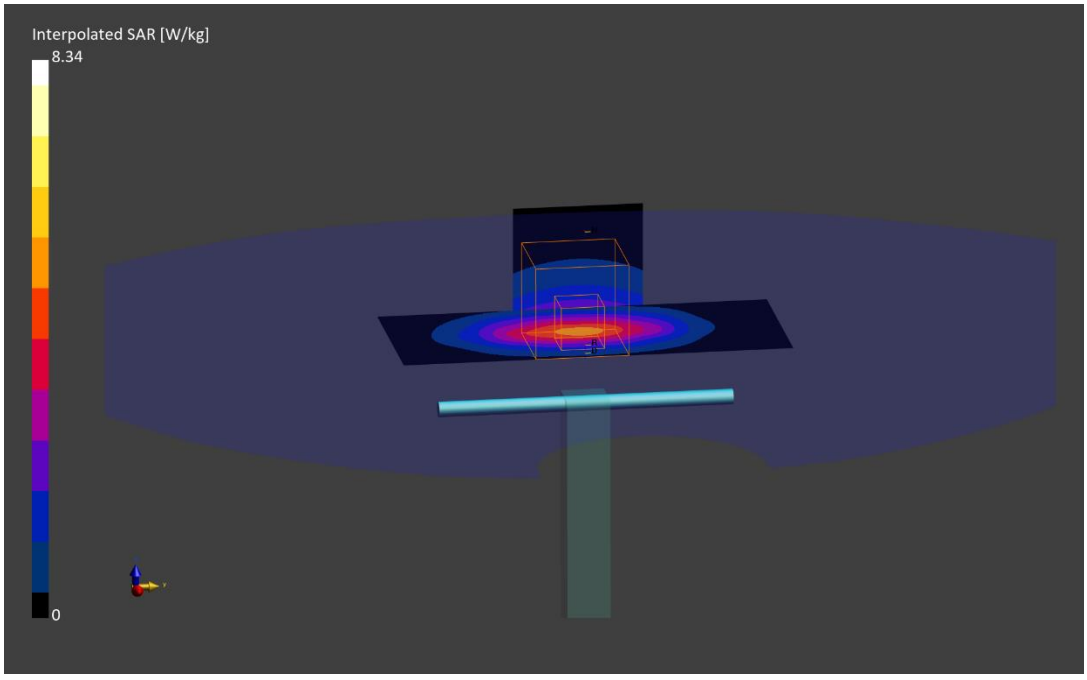
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.45 S/m; perm = 38.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/05/2024; Ambient Temp: 20.4°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7661; ConvF:(8.64,8.64,8.64); 2023-06-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn728; 2023-05-11
Phantom: Twin-SAM V8.0; Serial: 2064
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 8.34 W/kg
SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.12 W/kg
Deviation (1 g) = 2.96%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1073

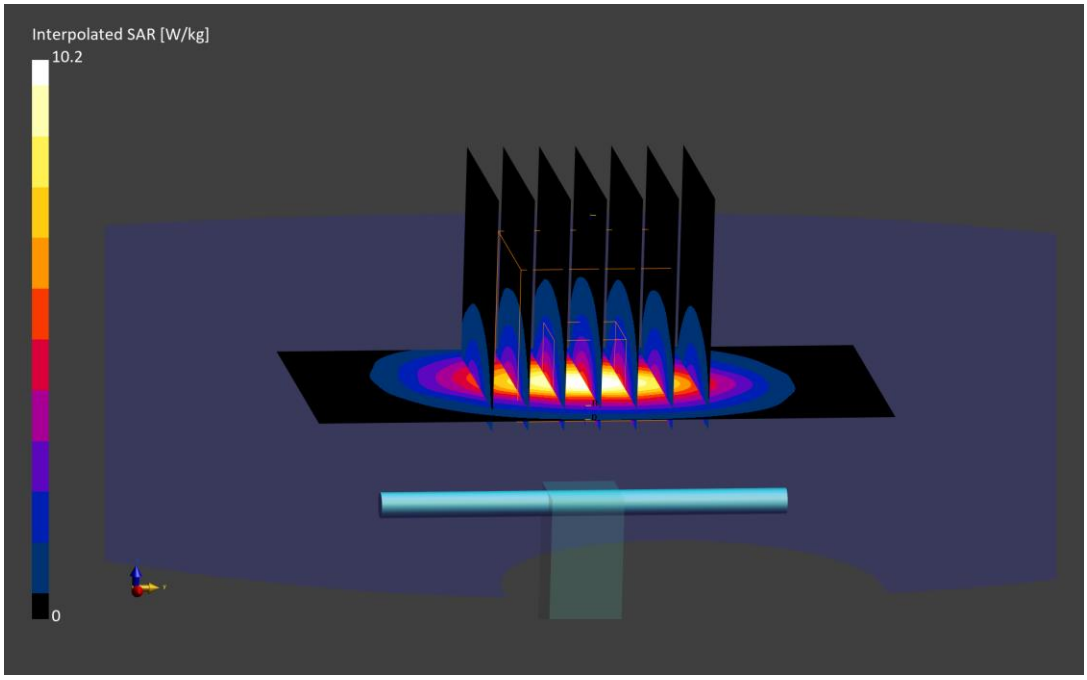
Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2300.0 MHz; cond = 1.72 S/m; perm = 40.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/07/2024; Ambient Temp: 20.5°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7659; ConvF:(8.69,8.69,8.69); 2023-04-14
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1407; 2023-04-14
Phantom: Twin-SAM V5.0; Serial: 1792
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 10.2 W/kg
SAR(1 g) = 4.63 W/kg; SAR(10 g) = 2.16 W/kg
Deviation (1 g) = -4.73%; Deviation (10 g) = -8.86%



ELEMENT

DUT: Dipole 2300.0 MHz; Type: D2300V2 - SN1117

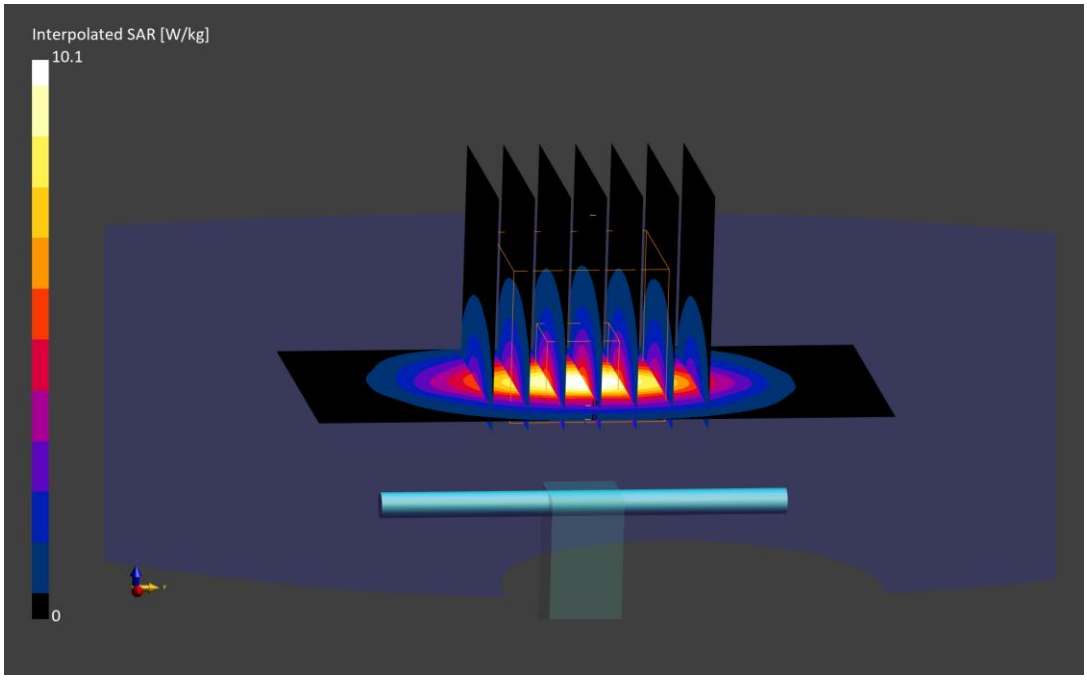
Communication System: UID: 0, CW; Frequency: 2300.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2300.0 MHz; cond = 1.70 S/m; perm = 38.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/22/2024; Ambient Temp: 22.0°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7547; ConvF:(7.57,7.57,7.57); 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 V16.2.0.1425

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) = 4.97 W/kg; SAR(10 g) = 2.39 W/kg
Deviation (1 g) = -0.40%; Deviation (10 g) = -1.65%



ELEMENT

DUT: Dipole 2450.000 MHz; Type: D2450V2 - SN981

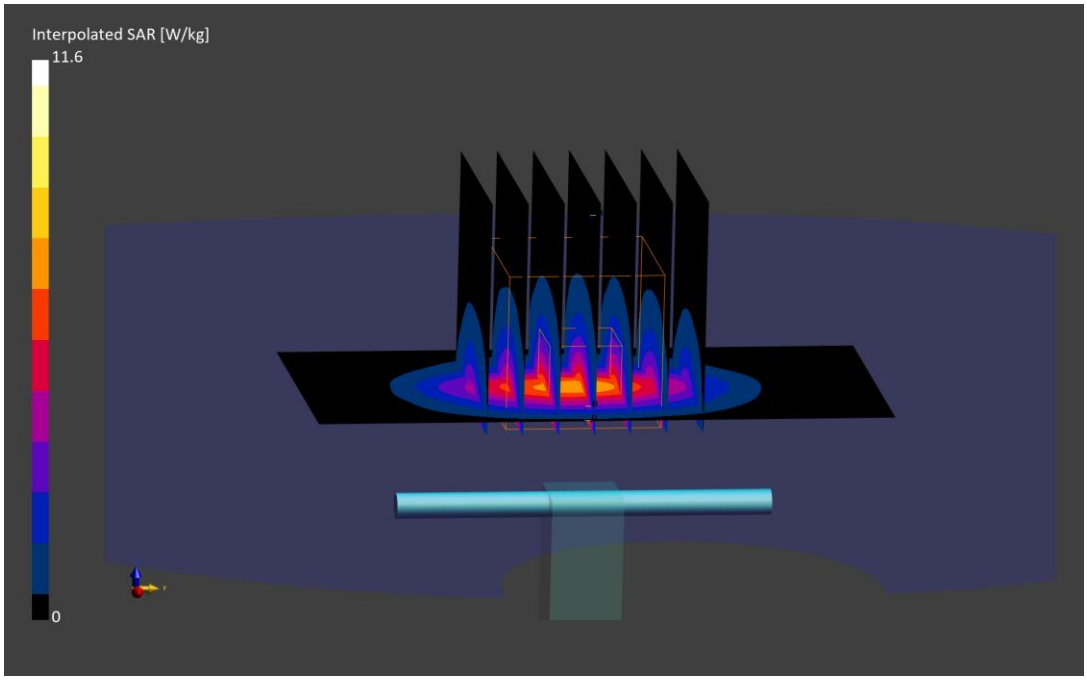
Communication System: UID: 0, CW; Frequency: 2450.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.000 MHz; cond = 1.88 S/m; perm = 40.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/01/2024; Ambient Temp: 21.0°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7409; ConvF:(7.44,7.44,7.44); 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
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) = 11.6 W/kg
SAR(1 g) = 5.63 W/kg; SAR(10 g) = 2.63 W/kg
Deviation (1 g) = 4.45%; Deviation (10 g) = 3.54%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN945

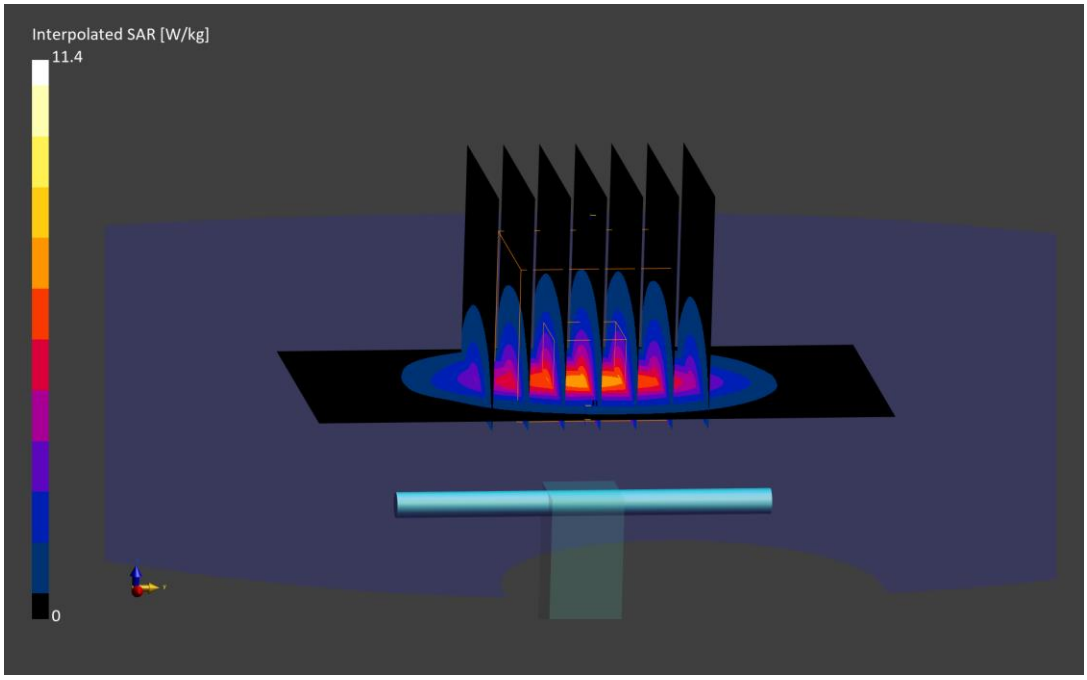
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.83 S/m; perm = 39.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/19/2024; Ambient Temp: 21.8°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7547; ConvF:(7.18,7.18,7.18); 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 V16.2.0.1425

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) = 11.4 W/kg
SAR(1 g) = 5.59 W/kg; SAR(10 g) = 2.61 W/kg
Deviation (1 g) = 7.71%; Deviation (10 g) = 6.10%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

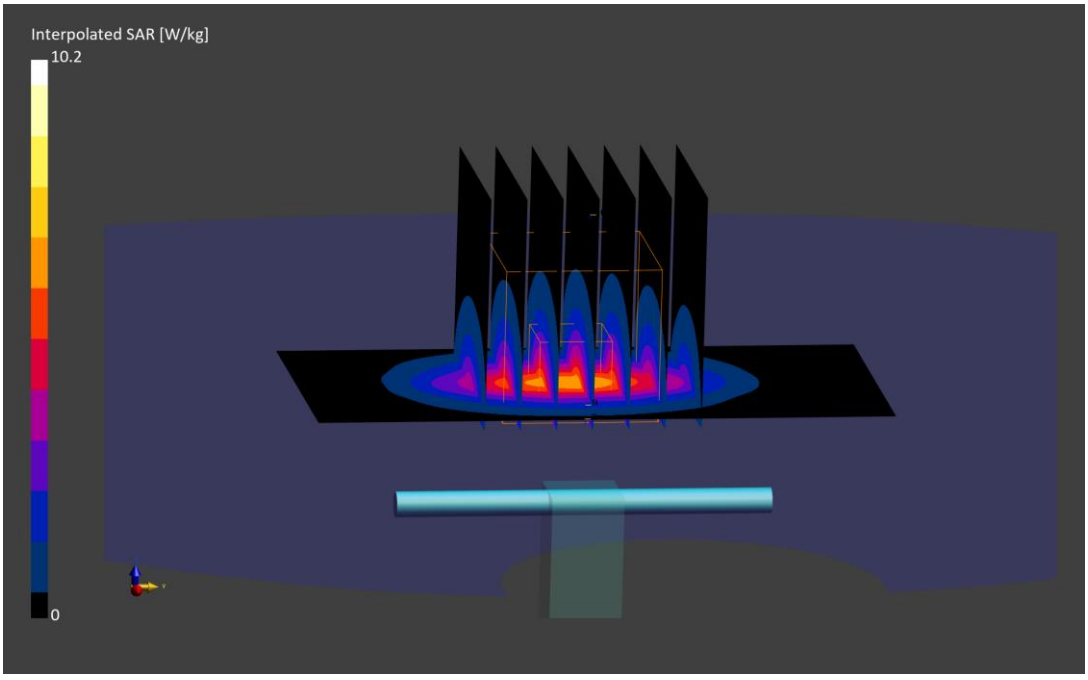
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.85 S/m; perm = 40.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/21/2024; Ambient Temp: 21.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN7803; ConvF:(7.11,7.19,7.15); 2024-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1533; 2024-01-09
Phantom: Twin-SAM V8.0; Serial: 2060
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) = 10.2 W/kg
SAR(1 g) = 5.07 W/kg; SAR(10 g) = 2.37 W/kg
Deviation (1 g) = -5.94%; Deviation (10 g) = -6.69%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN719

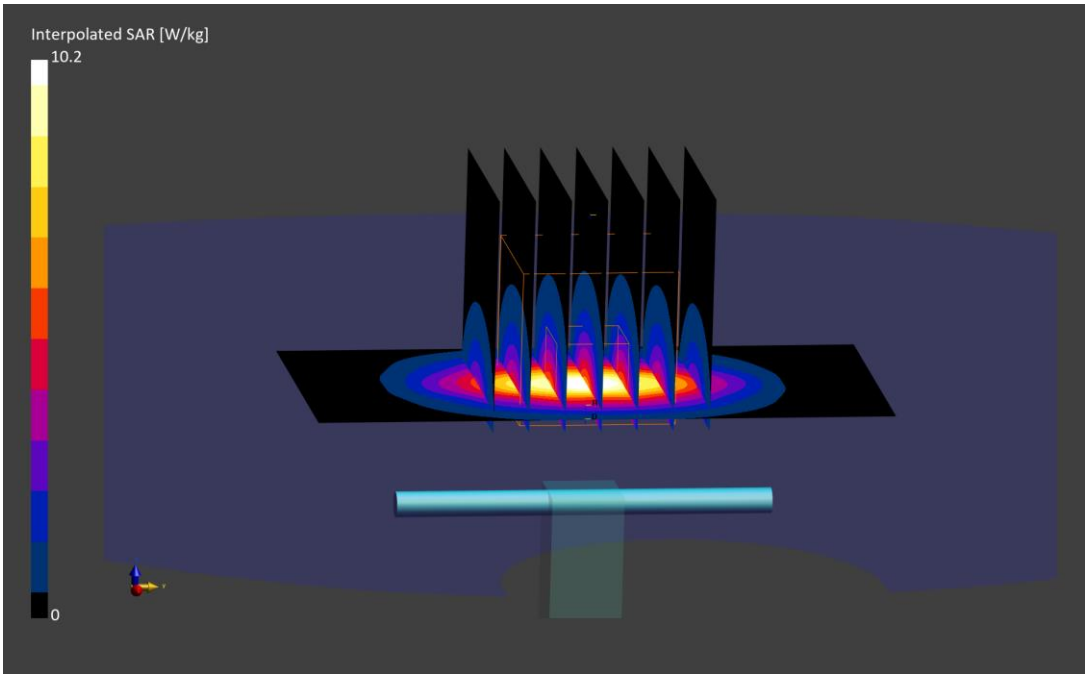
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.83 S/m; perm = 40.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/26/2024; Ambient Temp: 20.5°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7803; ConvF:(7.11,7.19,7.15); 2024-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1533; 2024-01-09
Phantom: Twin-SAM V8.0; Serial: 2060
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) = 10.2 W/kg
SAR(1 g) = 5.03 W/kg; SAR(10 g) = 2.35 W/kg
Deviation (1 g) = -8.55%; Deviation (10 g) = -8.56%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN719

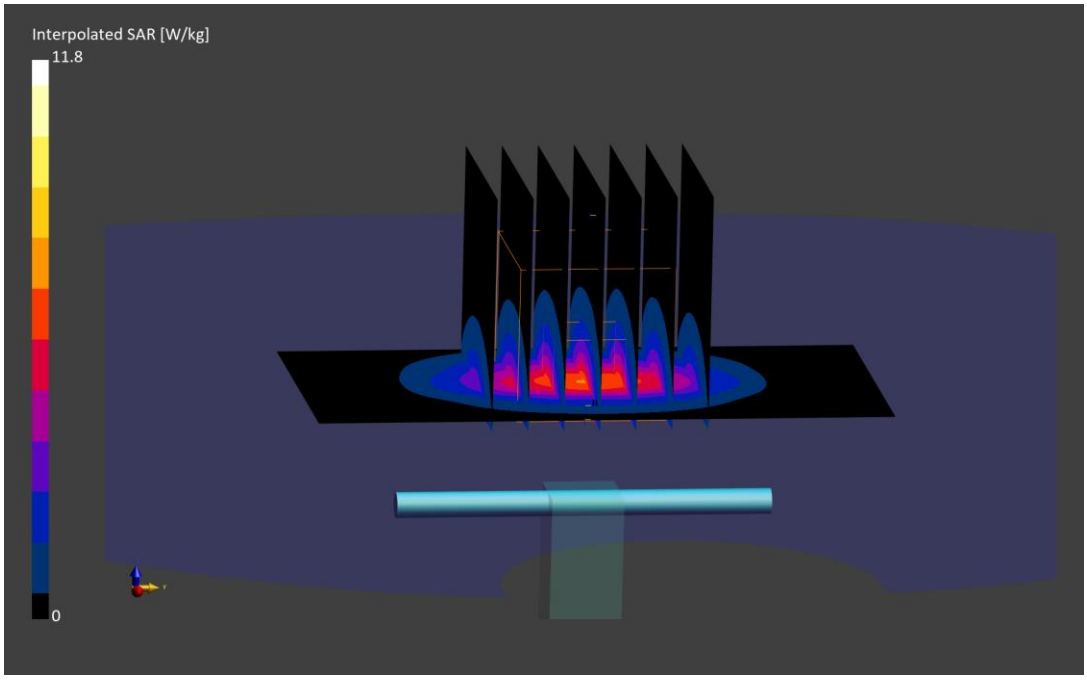
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.78 S/m; perm = 38.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/11/2024; Ambient Temp: 21.2°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7660; ConvF:(8.13,8.13,8.13); 2023-05-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; 2023-05-16
Phantom: Twin-SAM V8.0; Serial: 2065
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) = 11.8 W/kg
SAR(1 g) = 5.31 W/kg; SAR(10 g) = 2.37 W/kg
Deviation (1 g) = -3.45%; Deviation (10 g) = -7.78%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN719

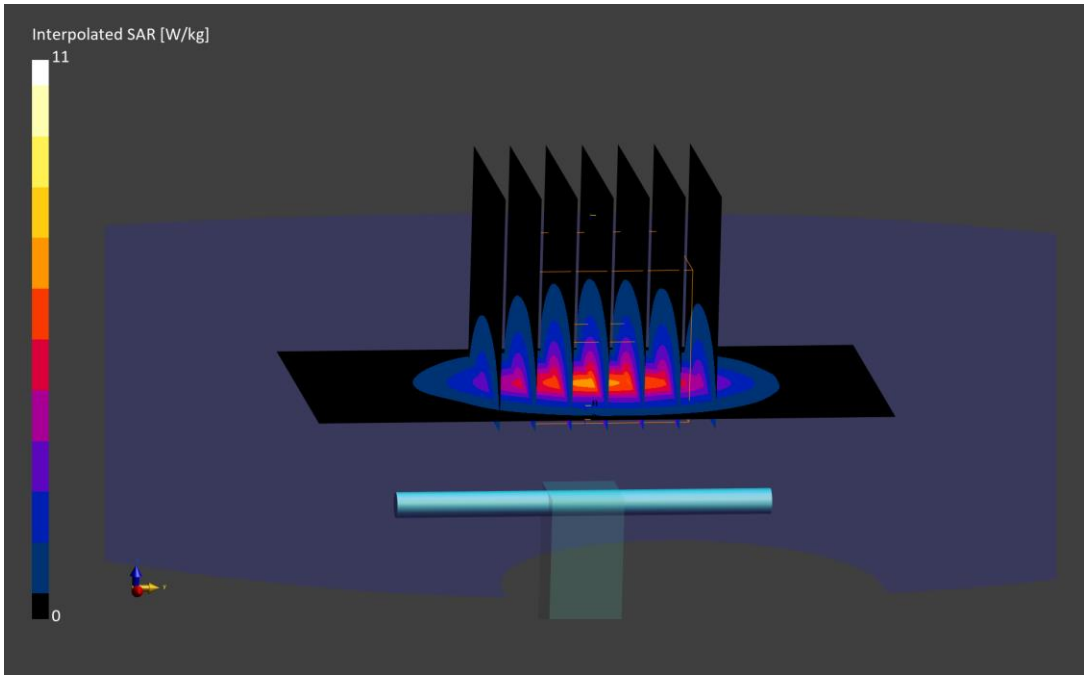
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.79 S/m; perm = 37.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/18/2024; Ambient Temp: 24.8°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7660; ConvF:(8.13,8.13,8.13); 2023-05-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1678; 2023-05-16
Phantom: Twin-SAM V8.0; Serial: 2065
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) = 5.17 W/kg; SAR(10 g) = 2.36 W/kg
Deviation (1 g) = -6.00%; Deviation (10 g) = -8.17%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1004

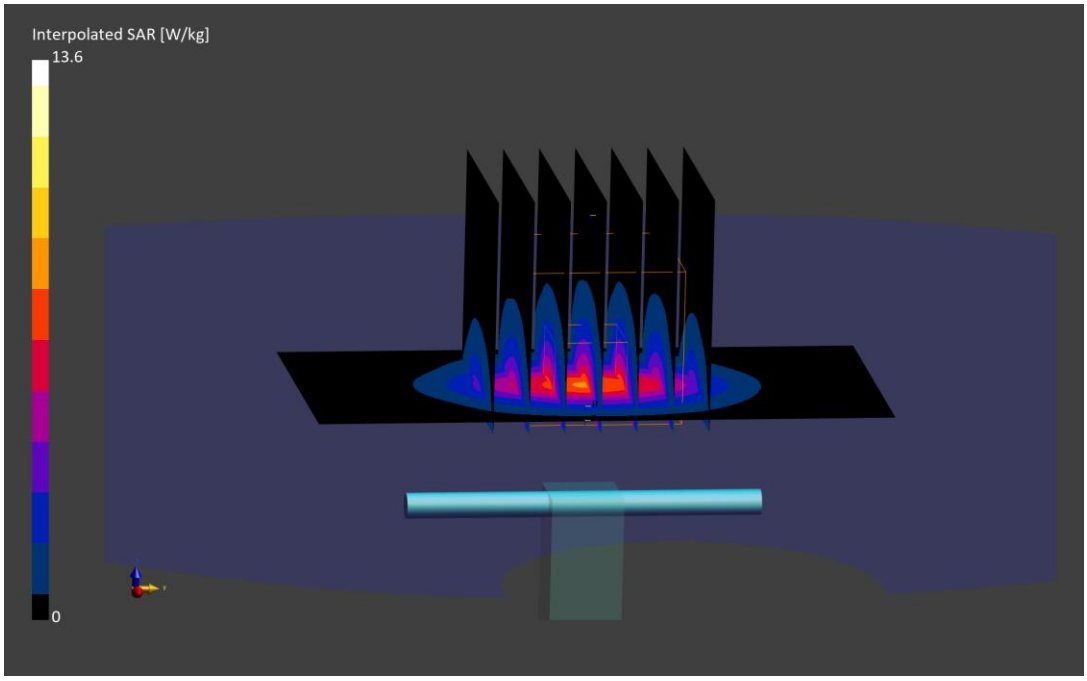
Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.000 MHz; cond = 2.00 S/m; perm = 40.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/01/2024; Ambient Temp: 21.0°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7409; ConvF:(7.17,7.17,7.17); 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
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) = 13.6 W/kg
SAR(1 g) = 6.16 W/kg; SAR(10 g) = 2.76 W/kg
Deviation (1 g) = 6.57%; Deviation (10 g) = 7.39%



ELEMENT

DUT: Dipole 2600.000 MHz; Type: D2600V2 - SN1004

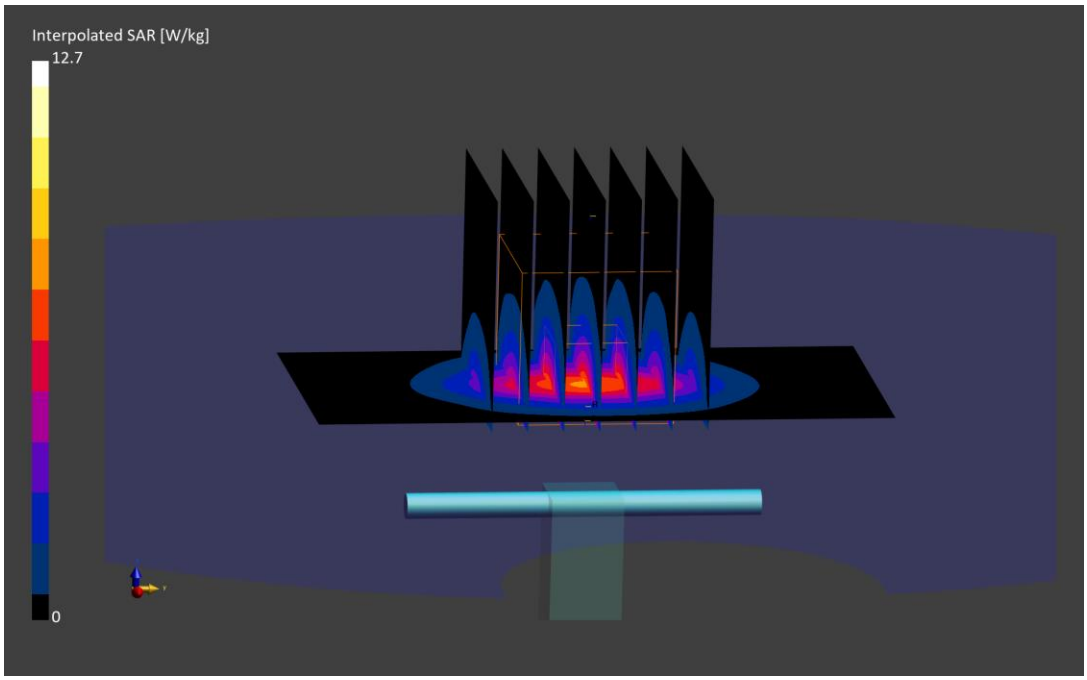
Communication System: UID: 0, CW; Frequency: 2600.000 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.000 MHz; cond = 1.89 S/m; perm = 39.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/05/2024; Ambient Temp: 19.8°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7409; ConvF:(7.17,7.17,7.17); 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
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) = 12.6 W/kg
SAR(1 g) = 5.90 W/kg; SAR(10 g) = 2.67 W/kg
Deviation (1 g) = 2.08%; Deviation (10 g) = 3.89%



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1064

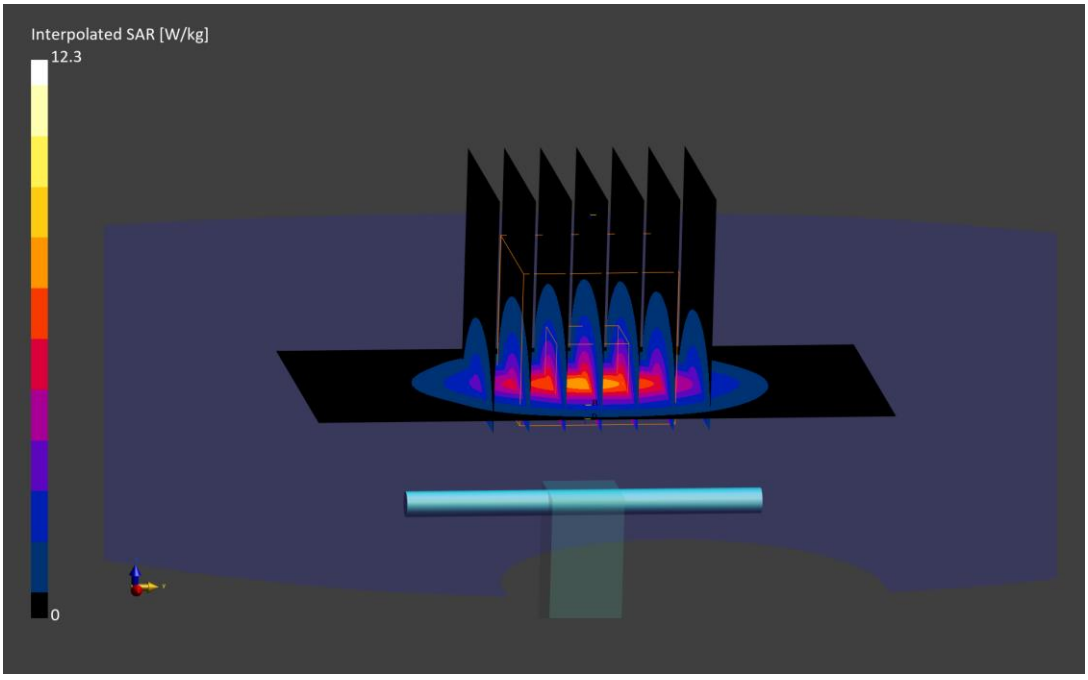
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.96 S/m; perm = 39.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/26/2024; Ambient Temp: 20.5°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7803; ConvF:(7.02,7.11,7.05); 2024-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1533; 2024-01-09
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 5.81 W/kg; SAR(10 g) = 2.63 W/kg
Deviation (1 g) = 3.01%; Deviation (10 g) = 4.37%



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1127

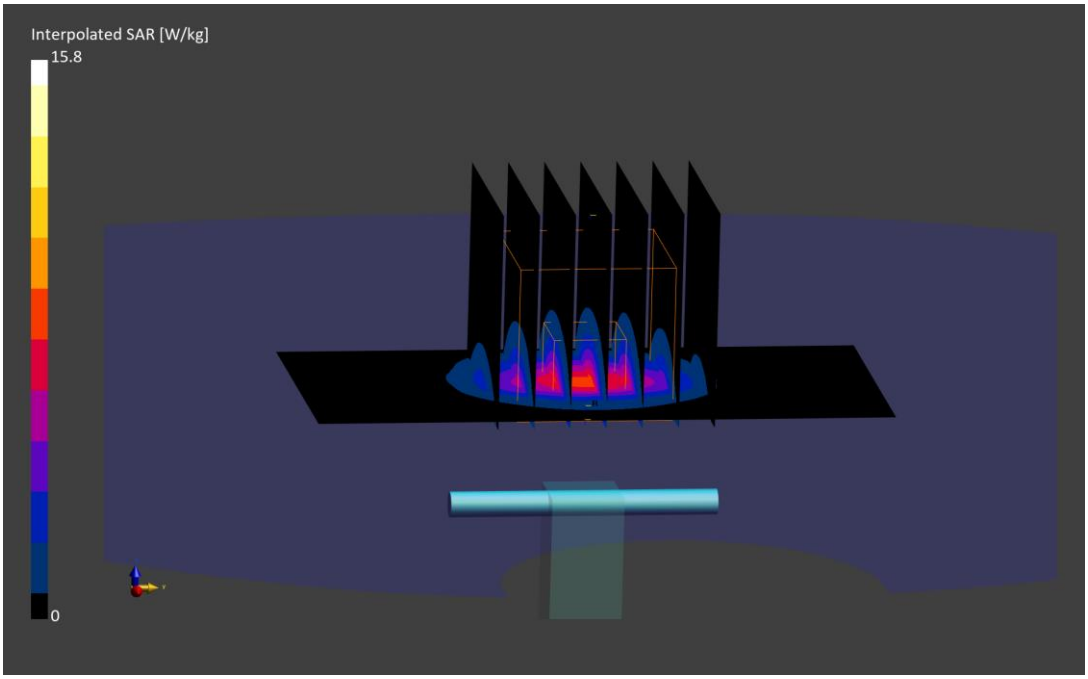
Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.81 S/m; perm = 37.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/14/2024; Ambient Temp: 20.1°C; Tissue Temp: 19.9°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 V16.2.0.1425

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) = 6.13 W/kg; SAR(10 g) = 2.33 W/kg
Deviation (1 g) = -5.55%; Deviation (10 g) = -4.51%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1097

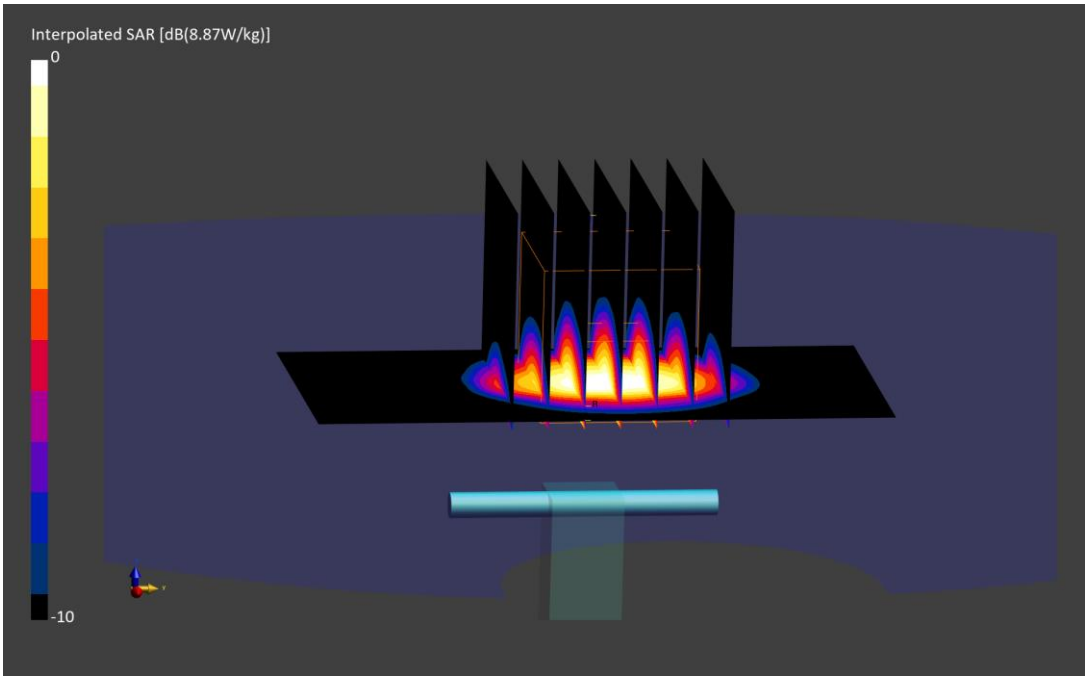
Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.000 MHz; cond = 2.77 S/m; perm = 39.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/21/2024; Ambient Temp: 22.0°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7409; ConvF:(6.96,6.96,6.96); 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2023-06-15
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) = 16.3 W/kg
SAR(1 g) = 6.47 W/kg; SAR(10 g) = 2.50 W/kg
Deviation (1 g) = -1.07%; Deviation (10 g) = 1.21%



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1127

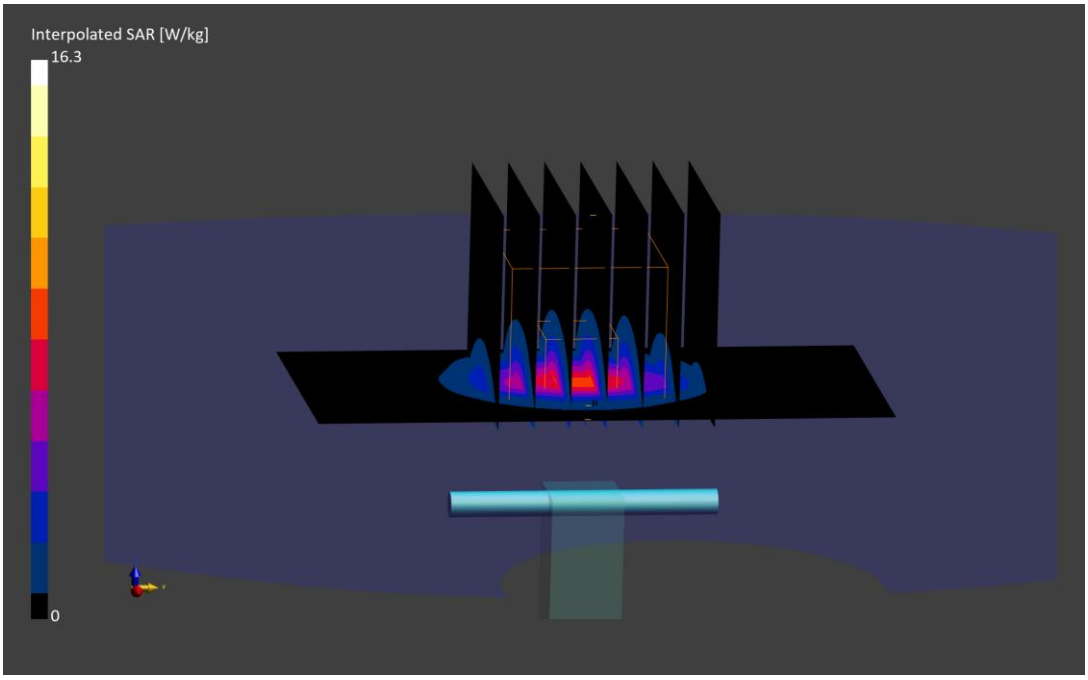
Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.82 S/m; perm = 38.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/04/2024; Ambient Temp: 19.2°C; Tissue Temp: 19.0°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 V16.2.0.1425

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) = 16.3 W/kg
SAR(1 g) = 6.29 W/kg; SAR(10 g) = 2.39 W/kg
Deviation (1 g) = -3.08%; Deviation (10 g) = -2.05%



ELEMENT

DUT: Dipole 3500.0 MHz; Type: D3500V2 - SN1059

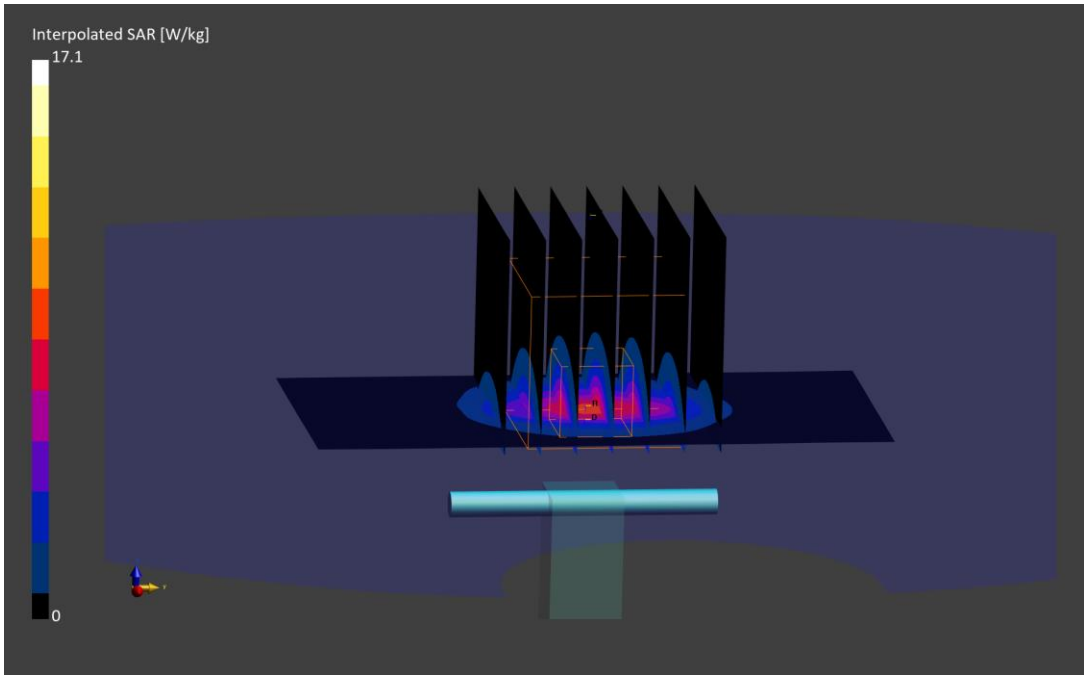
Communication System: UID: 0, CW; Frequency: 3500.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.0 MHz; cond = 2.79 S/m; perm = 37.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/13/2024; Ambient Temp: 20.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(6.96,6.96,6.96); 2023-06-15
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1334; 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 17.0 W/kg
SAR(1 g) = 6.62 W/kg; SAR(10 g) = 2.56 W/kg
Deviation (1 g) = 2.00%; Deviation (10 g) = 3.64%



ELEMENT

DUT: Dipole 3500.000 MHz; Type: D3500V2 - SN1097

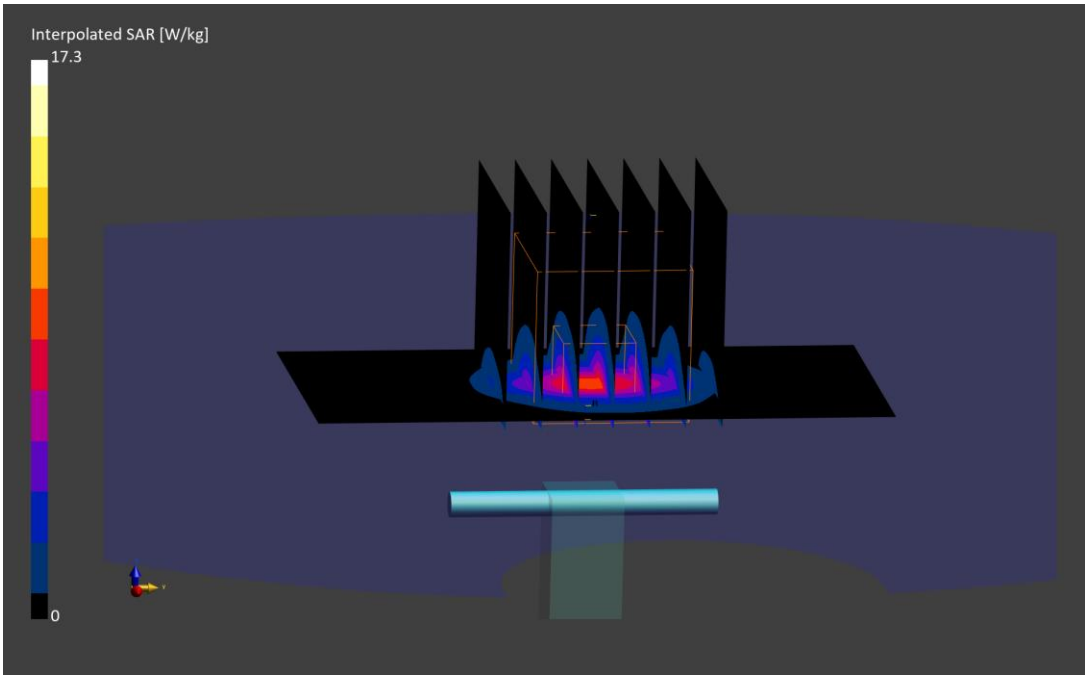
Communication System: UID: 0, CW; Frequency: 3500.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3500.000 MHz; cond = 2.77 S/m; perm = 38.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/25/2024; Ambient Temp: 19.3°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7409; ConvF:(6.96,6.96,6.96); 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2023-06-15
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) = 17.3 W/kg
SAR(1 g) = 6.71 W/kg; SAR(10 g) = 2.58 W/kg
Deviation (1 g) = 2.60%; Deviation (10 g) = 4.45%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1096

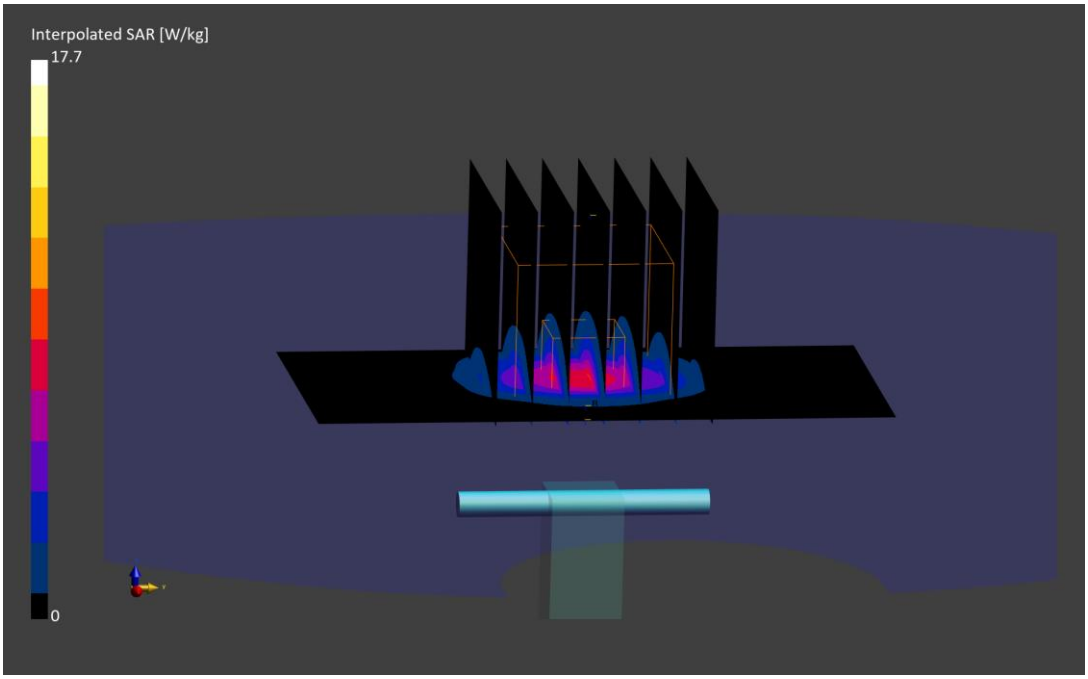
Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.0 MHz; cond = 3.00 S/m; perm = 37.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/14/2024; Ambient Temp: 20.1°C; Tissue Temp: 19.9°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 V16.2.0.1425

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) = 17.7 W/kg
SAR(1 g) = 6.45 W/kg; SAR(10 g) = 2.38 W/kg
Deviation (1 g) = -3.59%; Deviation (10 g) = -2.46%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1067

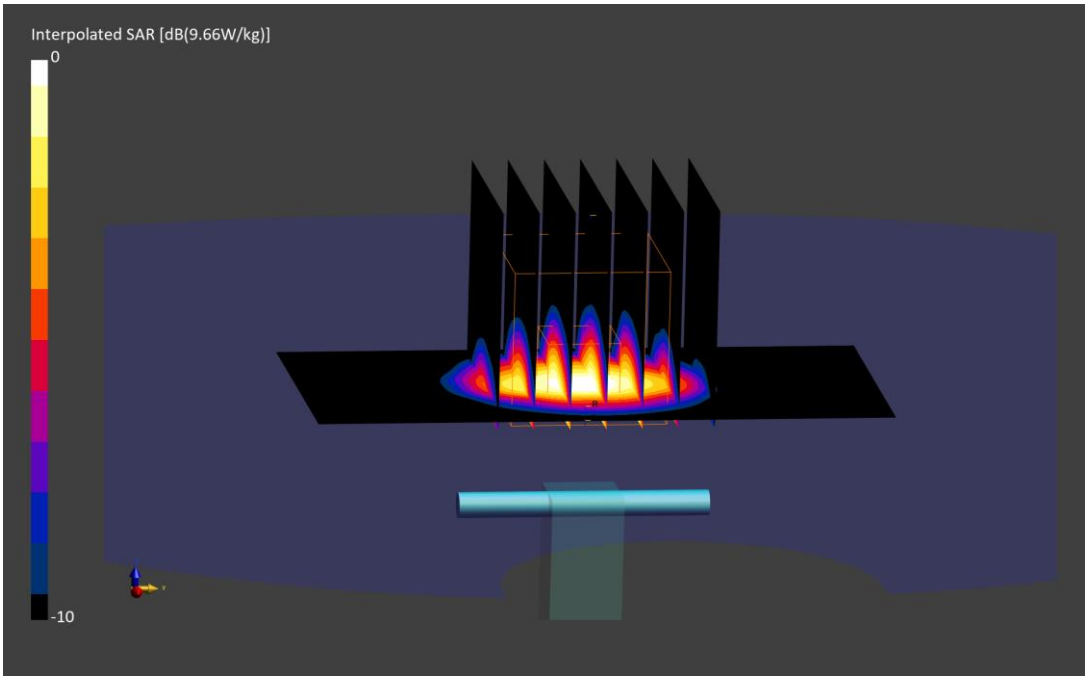
Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.000 MHz; cond = 2.97 S/m; perm = 39.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/21/2024; Ambient Temp: 22.0°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7409; ConvF:(6.92,6.92,6.92); 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2023-06-15
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) = 18.1 W/kg
SAR(1 g) = 6.77 W/kg; SAR(10 g) = 2.51 W/kg
Deviation (1 g) = 1.20%; Deviation (10 g) = 3.29%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1096

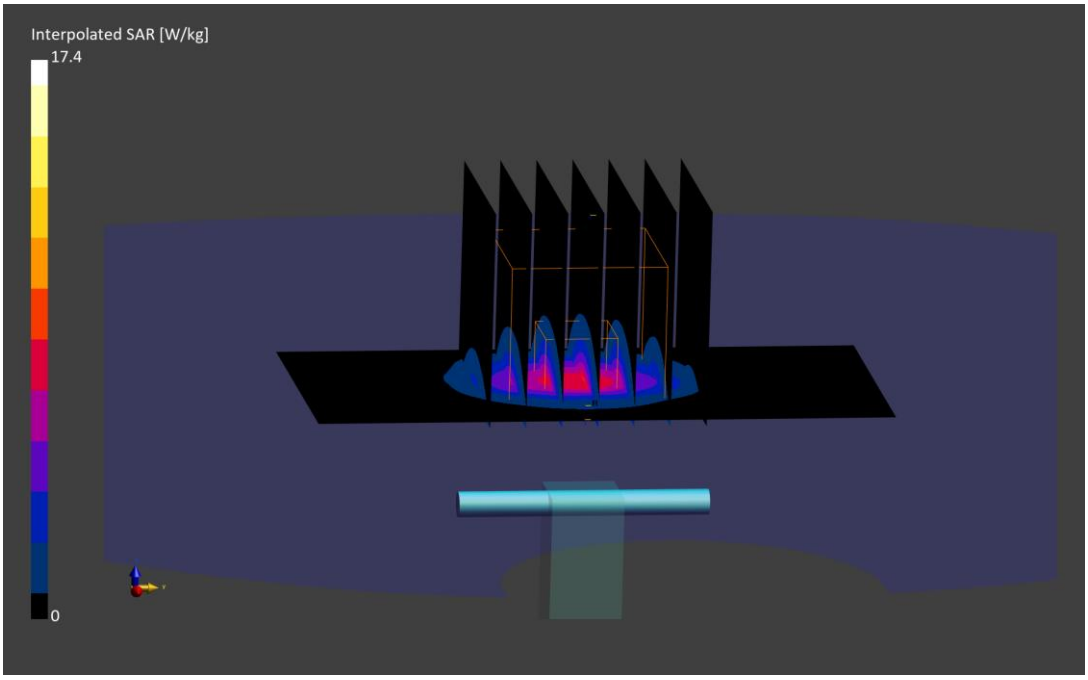
Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.0 MHz; cond = 3.01 S/m; perm = 38.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/04/2024; Ambient Temp: 19.2°C; Tissue Temp: 19.0°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 V16.2.0.1425

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) = 17.4 W/kg
SAR(1 g) = 6.34 W/kg; SAR(10 g) = 2.33 W/kg
Deviation (1 g) = -5.23%; Deviation (10 g) = -4.51%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1067

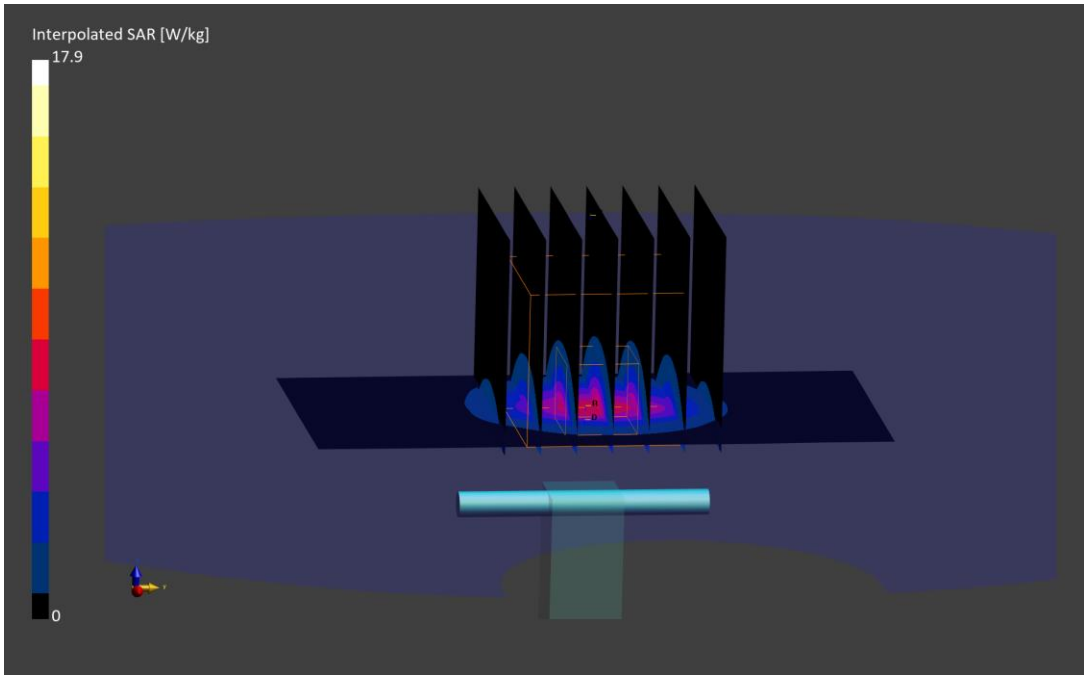
Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.0 MHz; cond = 2.99 S/m; perm = 37.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/13/2024; Ambient Temp: 20.1°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7409; ConvF:(6.92,6.92,6.92); 2023-06-15
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1334; 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1966
Measurement SW: DASY Module SAR V16.2.0.1425

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) = 17.9 W/kg
SAR(1 g) = 6.64 W/kg; SAR(10 g) = 2.50 W/kg
Deviation (1 g) = -0.75%; Deviation (10 g) = 2.88%



ELEMENT

DUT: Dipole 3700.000 MHz; Type: D3700V2 - SN1067

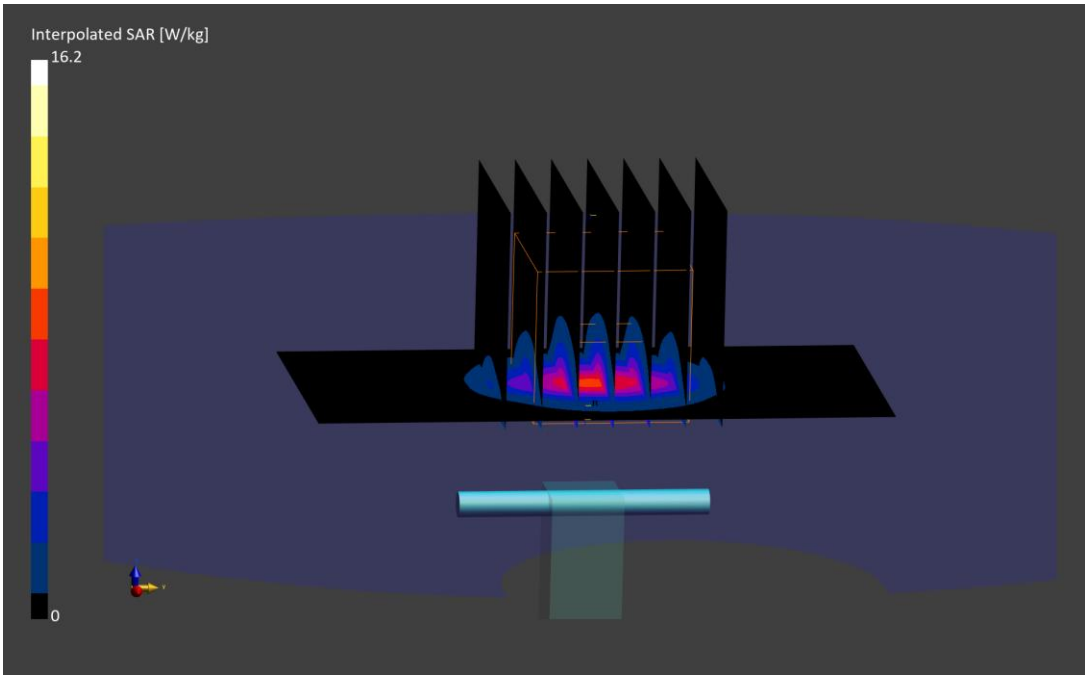
Communication System: UID: 0, CW; Frequency: 3700.000 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.000 MHz; cond = 2.96 S/m; perm = 38.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/25/2024; Ambient Temp: 19.3°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7409; ConvF:(6.92,6.92,6.92); 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; 2023-06-15
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) = 16.2 W/kg
SAR(1 g) = 6.03 W/kg; SAR(10 g) = 2.24 W/kg
Deviation (1 g) = -9.87%; Deviation (10 g) = -7.82%



ELEMENT

DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1074

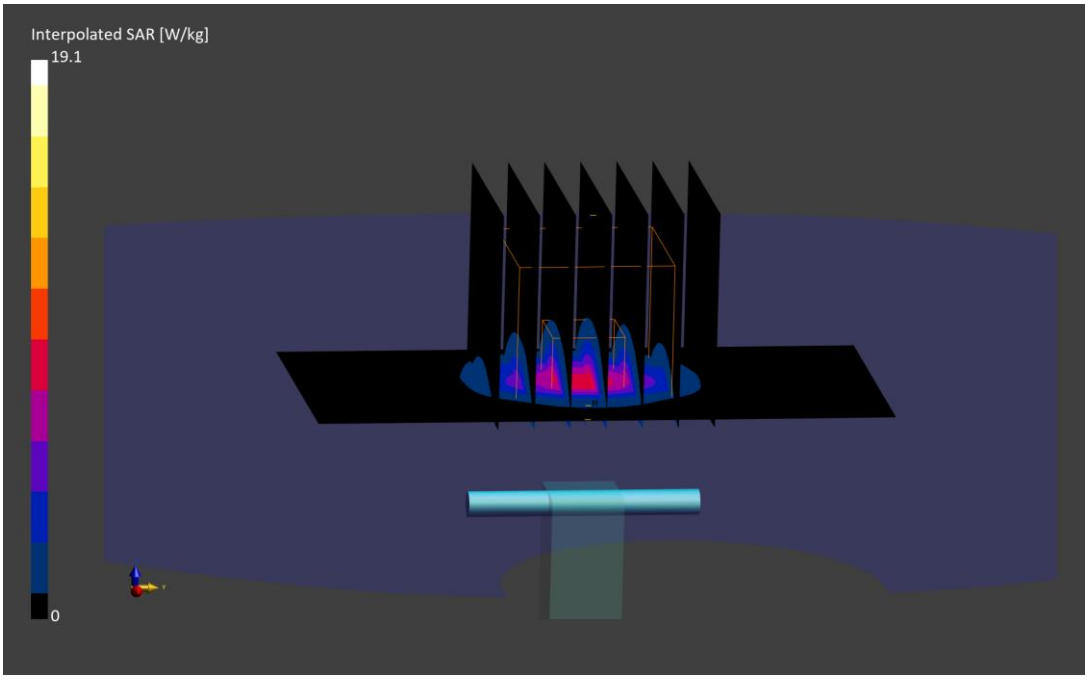
Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3900.0 MHz; cond = 3.20 S/m; perm = 37.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/14/2024; Ambient Temp: 20.1°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7565; ConvF:(6.69,5.89,5.81); 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

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) = 19.1 W/kg
SAR(1 g) = 6.68 W/kg; SAR(10 g) = 2.35 W/kg
Deviation (1 g) = -3.75%; Deviation (10 g) = -2.49%



ELEMENT

DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1074

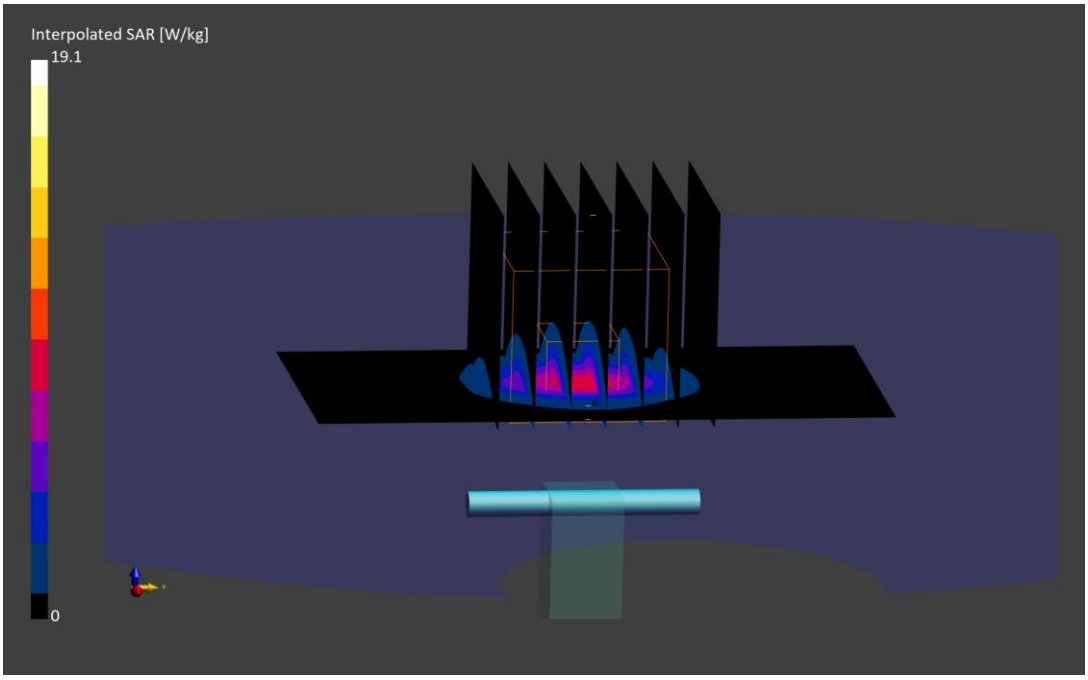
Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3900.0 MHz; cond = 3.22 S/m; perm = 37.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/04/2024; Ambient Temp: 19.2°C; Tissue Temp: 19.0°C

Probe: EX3DV4 - SN7565; ConvF:(6.69,5.89,5.81); 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

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) = 19.1 W/kg
SAR(1 g) = 6.56 W/kg; SAR(10 g) = 2.29 W/kg
Deviation (1 g) = -5.48%; Deviation (10 g) = -4.98%



ELEMENT

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1237

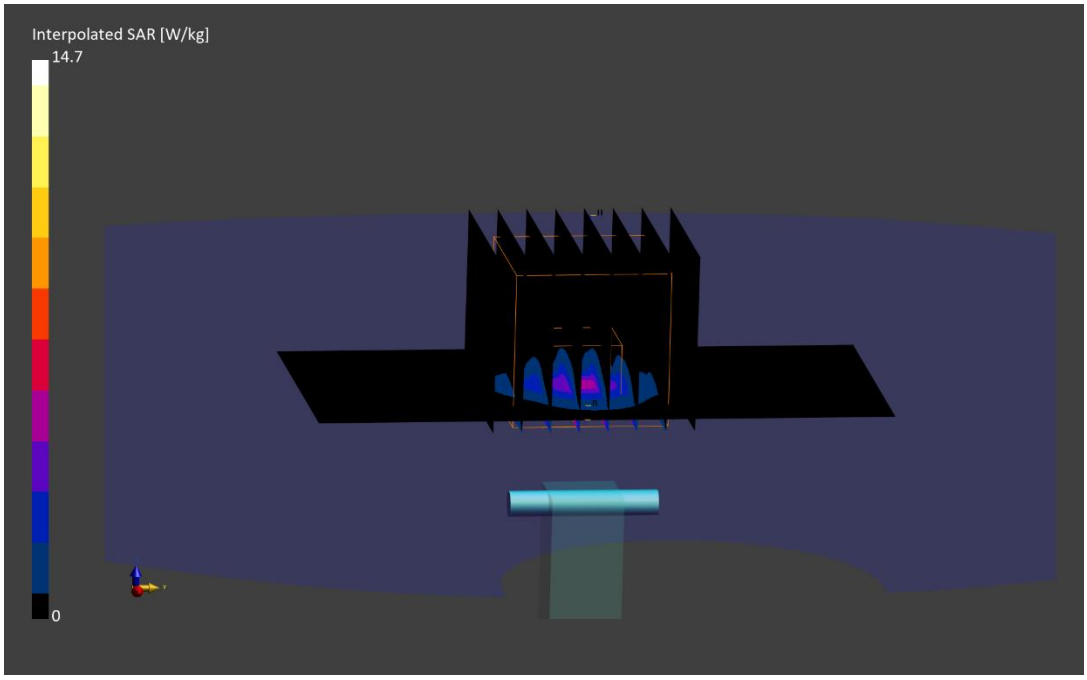
Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.71 S/m; perm = 35.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/05/2024; Ambient Temp: 19.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7558; ConvF:(5.32,5.32,5.32); 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 V16.2.0.1425

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) = 14.7 W/kg
SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.06 W/kg
Deviation (1 g) = -6.87%; Deviation (10 g) = -7.42%



ELEMENT

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1191

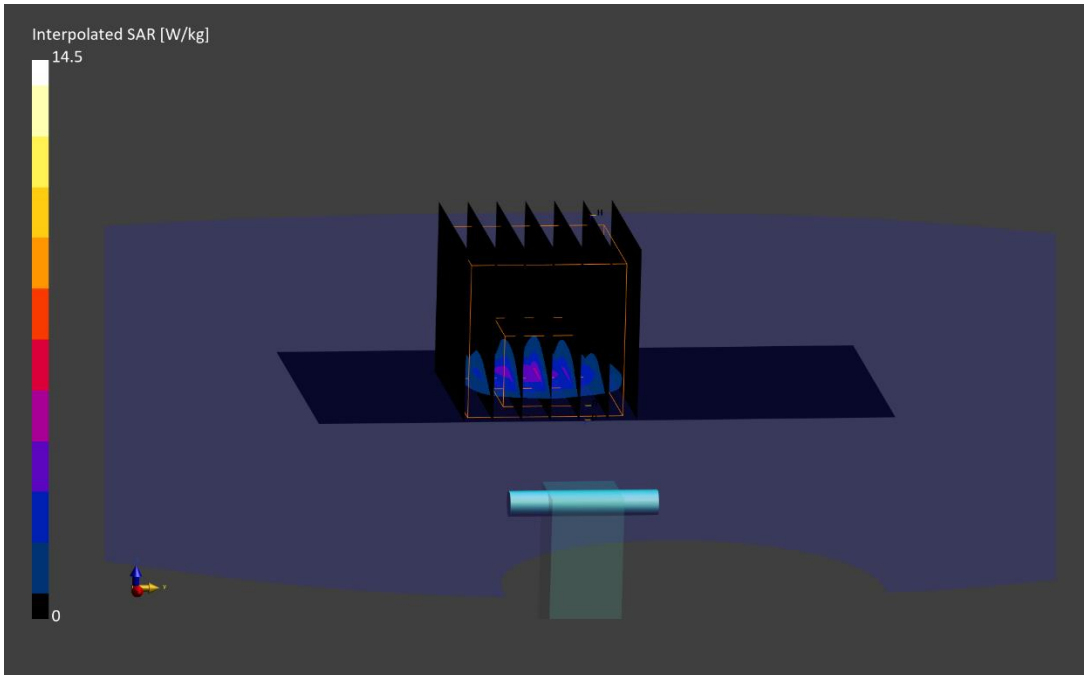
Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.61 S/m; perm = 36.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/25/2024; Ambient Temp: 21.2°C; Tissue Temp: 21.2°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 V16.2.0.1425

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) = 14.5 W/kg
SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.04 W/kg
Deviation (1 g) = -7.22%; Deviation (10 g) = -8.37%



ELEMENT

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1237

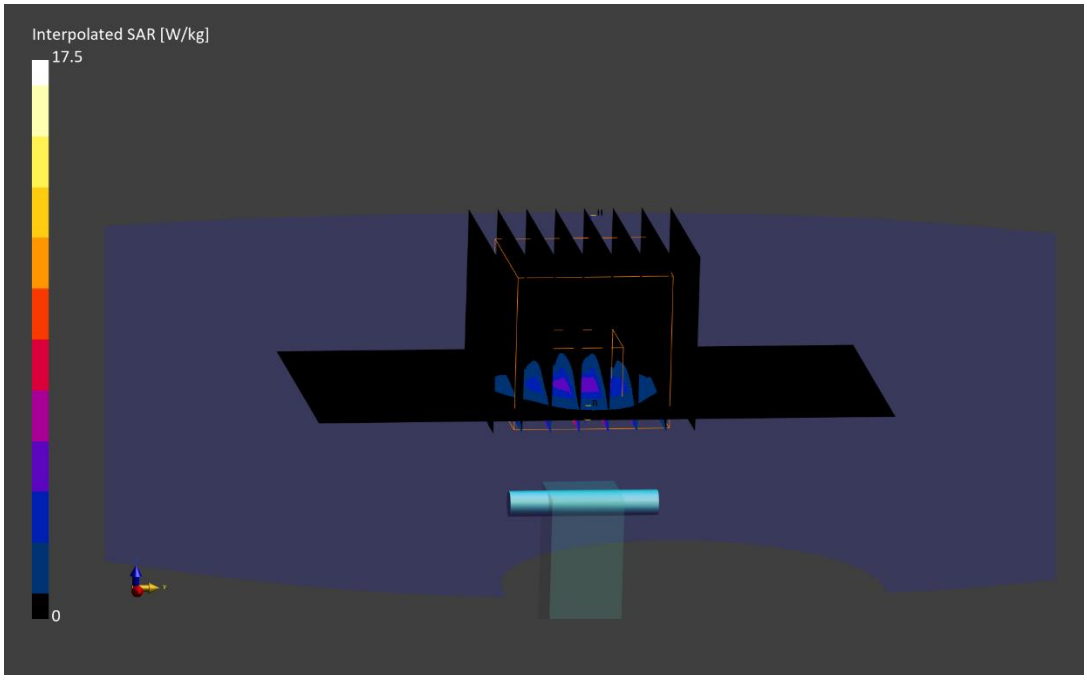
Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 5.11 S/m; perm = 34.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/05/2024; Ambient Temp: 19.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7558; ConvF:(4.77,4.77,4.77); 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 V16.2.0.1425

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) = 17.5 W/kg
SAR(1 g) = 4.13 W/kg; SAR(10 g) = 1.16 W/kg
Deviation (1 g) = -2.48%; Deviation (10 g) = -3.73%



ELEMENT

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1191

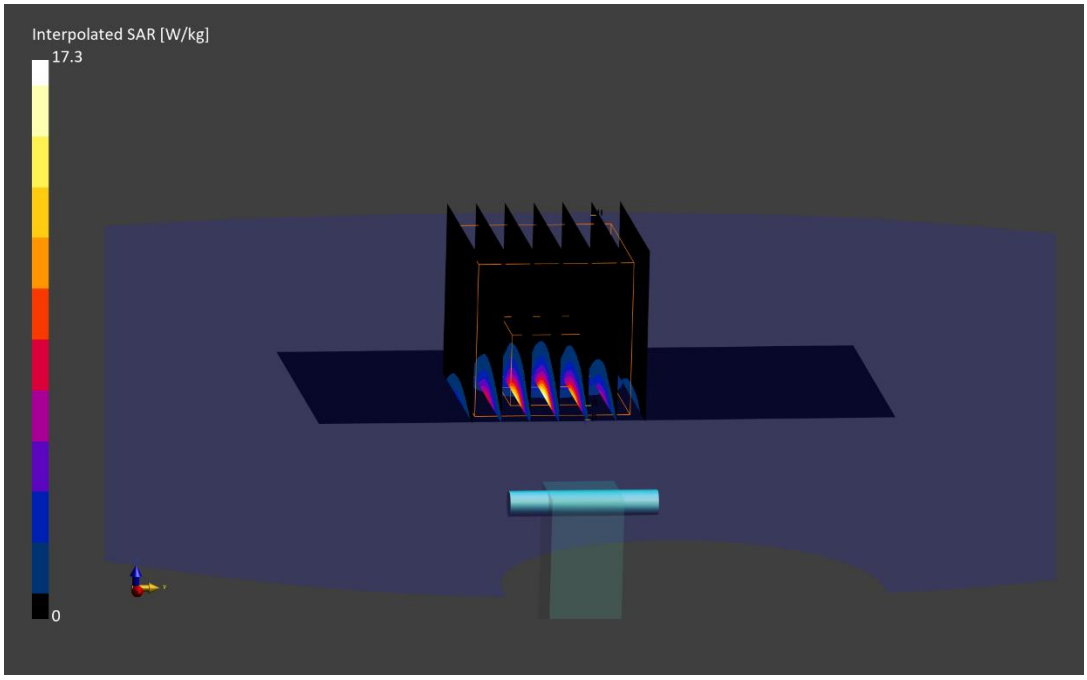
Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 5.00 S/m; perm = 35.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/25/2024; Ambient Temp: 21.2°C; Tissue Temp: 21.2°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 V16.2.0.1425

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) = 17.3 W/kg
SAR(1 g) = 4.06 W/kg; SAR(10 g) = 1.13 W/kg
Deviation (1 g) = -2.17%; Deviation (10 g) = -5.44%



ELEMENT

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1237

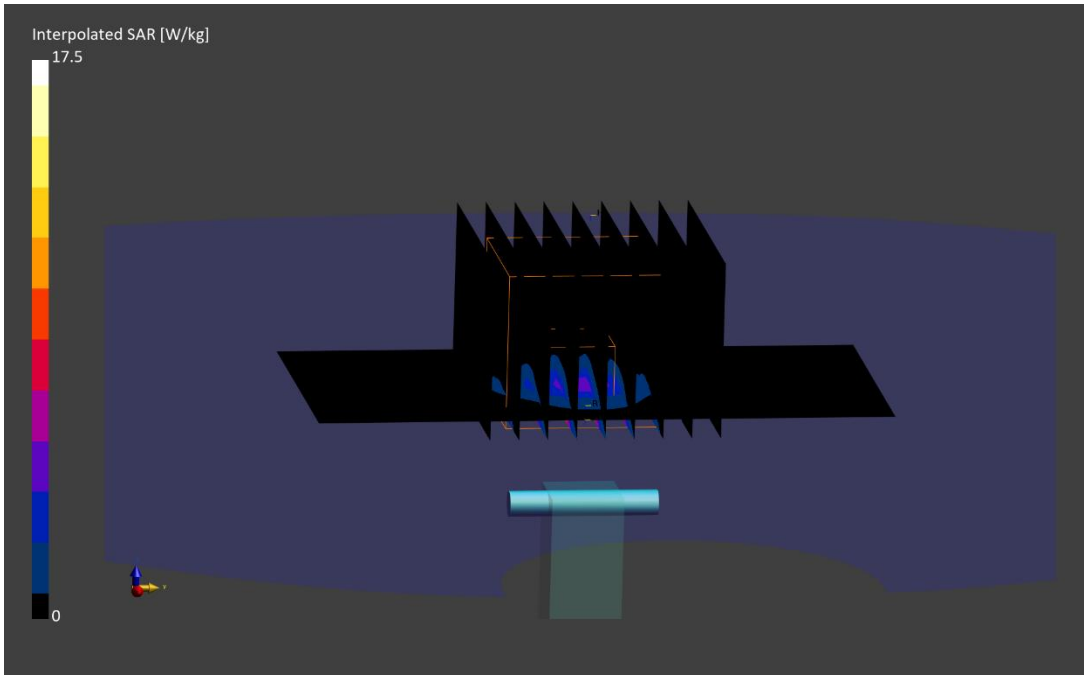
Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.28 S/m; perm = 34.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/05/2024; Ambient Temp: 19.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7558; ConvF:(4.86,4.86,4.86); 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 V16.2.0.1425

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) = 4.02 W/kg; SAR(10 g) = 1.14 W/kg
Deviation (1 g) = -0.99%; Deviation (10 g) = -0.44%



ELEMENT

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1191

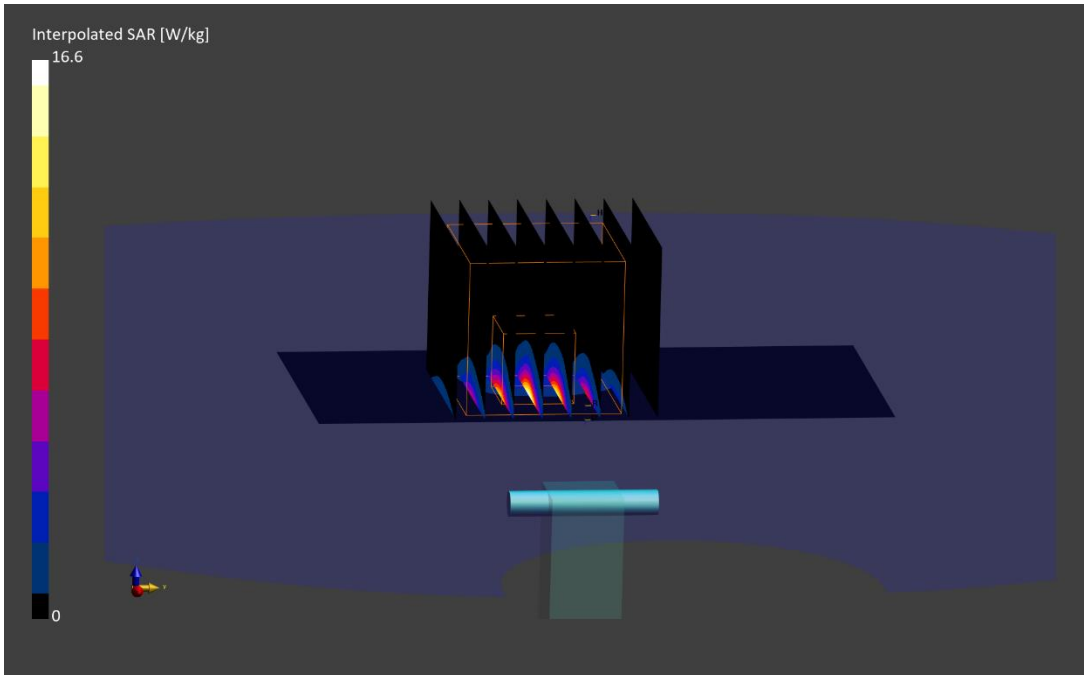
Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.18 S/m; perm = 35.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/25/2024; Ambient Temp: 21.2°C; Tissue Temp: 21.2°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 V16.2.0.1425

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) = 16.6 W/kg
SAR(1 g) = 3.80 W/kg; SAR(10 g) = 1.08 W/kg
Deviation (1 g) = -3.68%; Deviation (10 g) = -3.57%



ELEMENT

DUT: Dipole 5800.0 MHz; Type: D5GHzV2 - SN1237

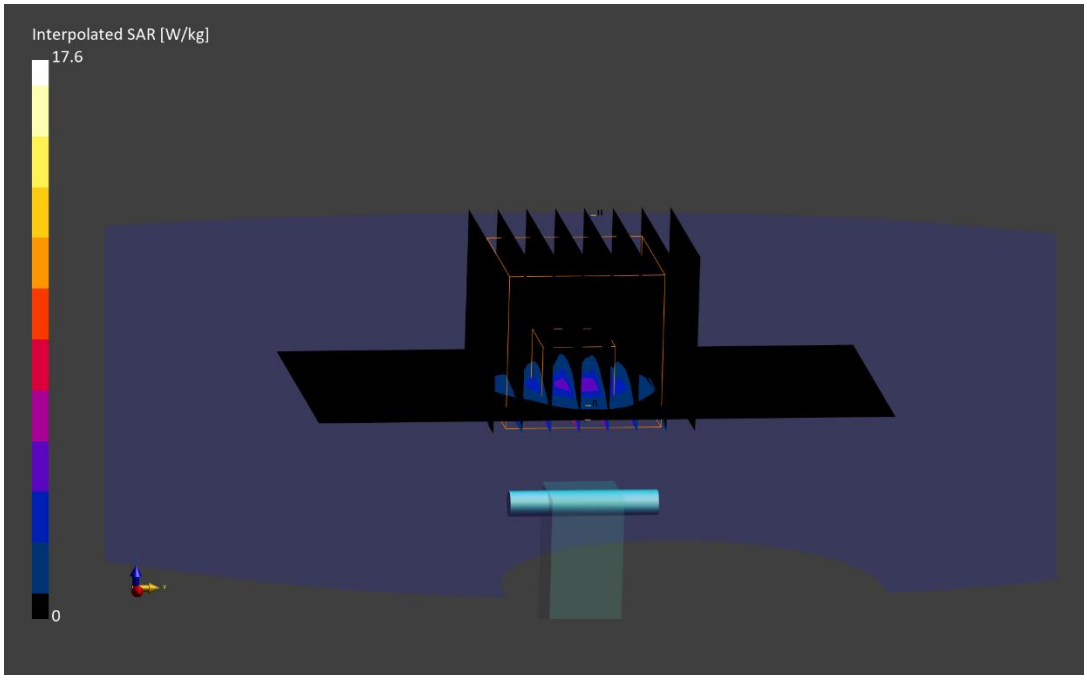
Communication System: UID: 0, CW; Frequency: 5800.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5800.0 MHz; cond = 5.34 S/m; perm = 34.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/05/2024; Ambient Temp: 19.5°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7558; ConvF:(4.69,4.69,4.69); 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 V16.2.0.1425

5800.0 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) = 17.6 W/kg
SAR(1 g) = 4.02 W/kg; SAR(10 g) = 1.13 W/kg
Deviation (1 g) = -0.25%; Deviation (10 g) = -0.88%



ELEMENT

DUT: Dipole 5850.0 MHz; Type: D5GHzV2 - SN1191

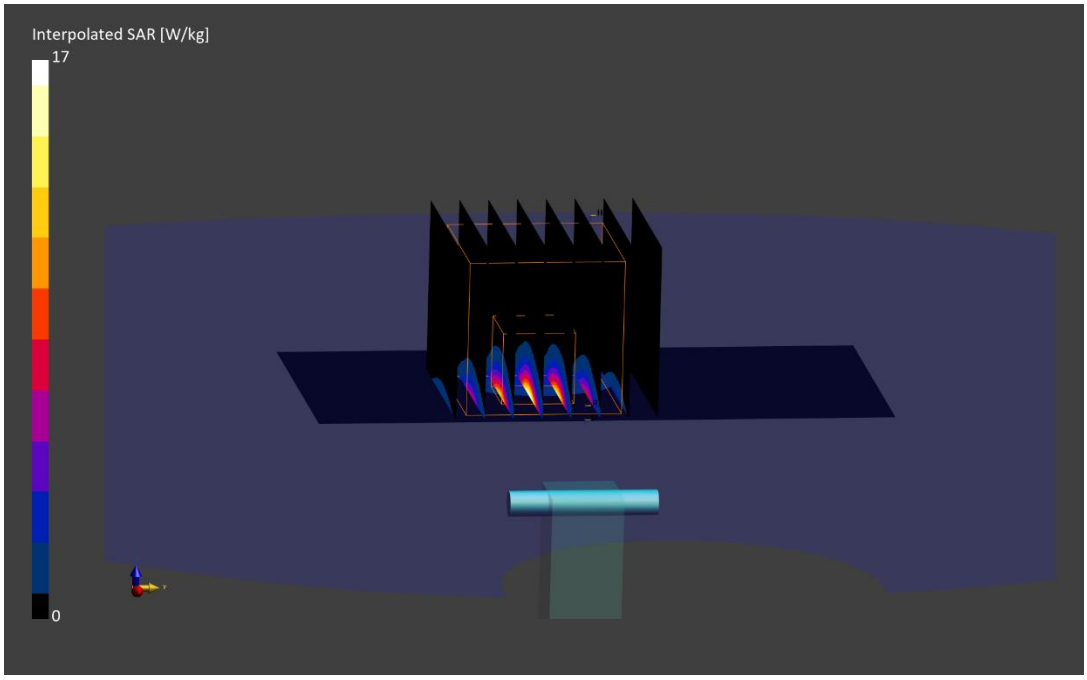
Communication System: UID: 0, CW; Frequency: 5850.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5850.0 MHz; cond = 5.29 S/m; perm = 35.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 02/25/2024; Ambient Temp: 21.2°C; Tissue Temp: 21.2°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 V16.2.0.1425

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) = 17.0 W/kg
SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.06 W/kg
Deviation (1 g) = -3.81%; Deviation (10 g) = -5.78%



ELEMENT

DUT: Dipole 6500.000 MHz; Type: D6.5GHzV2 - SN1020

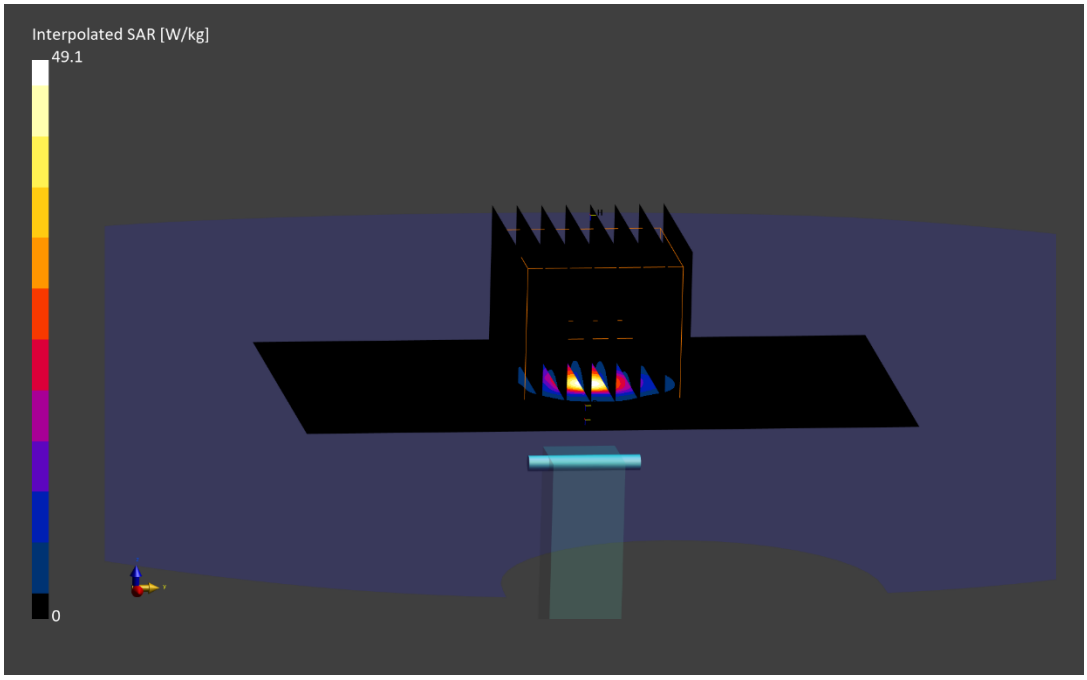
Communication System: UID: 0, CW; Frequency: 6500.000 MHz
Medium: 6000 Head; Medium parameters used:
f = 6500.000 MHz; cond = 6.28 S/m; perm = 35.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 5 mm

Test Date: 02/19/2024; Ambient Temp: 19.6°C; Tissue Temp: 19.4°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) = 49.1 W/kg
SAR(1 g) = 7.55 W/kg; SAR(10 g) = 1.42 W/kg
Deviation (1 g) = 3.07%; Deviation (10 g) = 5.38%



ELEMENT

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

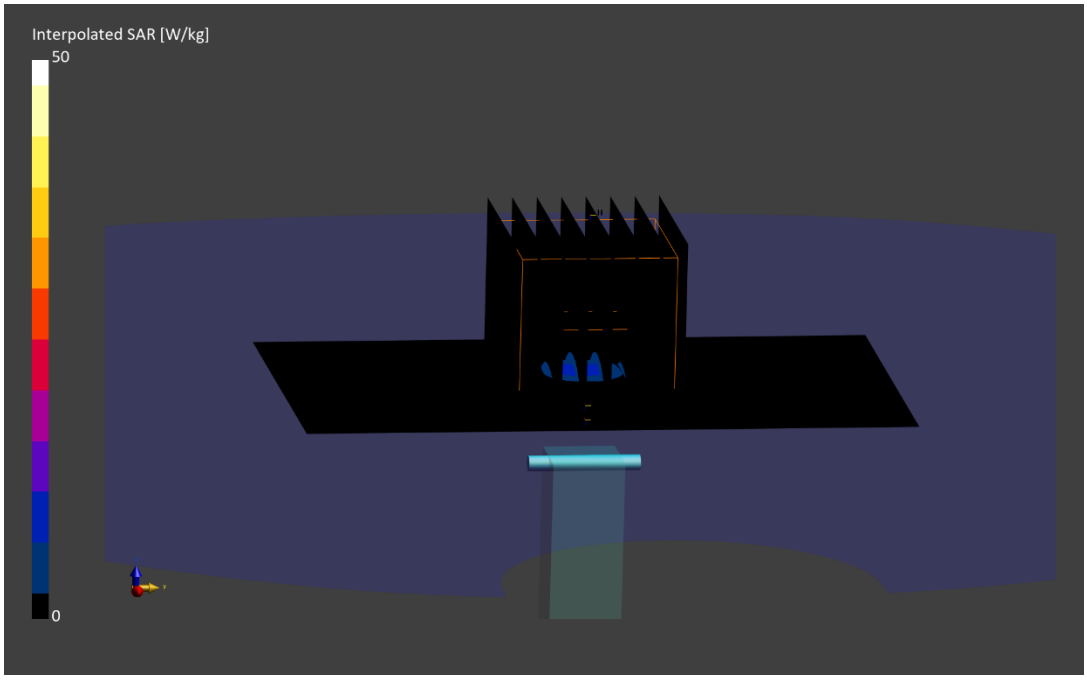
Communication System: UID: 0, CW; Frequency: 6500.000 MHz
Medium: 6000 Head; Medium parameters used:
f = 6500.000 MHz; cond = 6.09 S/m; perm = 33.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 5 mm

Test Date: 02/25/2024; Ambient Temp: 20.5°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) = 50.0 W/kg
SAR(1 g) = 7.56 W/kg; SAR(10 g) = 1.39 W/kg
Deviation (1 g) = 3.21%; Deviation (10 g) = 3.15%



Measurement Report for 10 GHz Verification Source , FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
10 GHz Verification Source ,	100.0 x 100.0 x 172.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

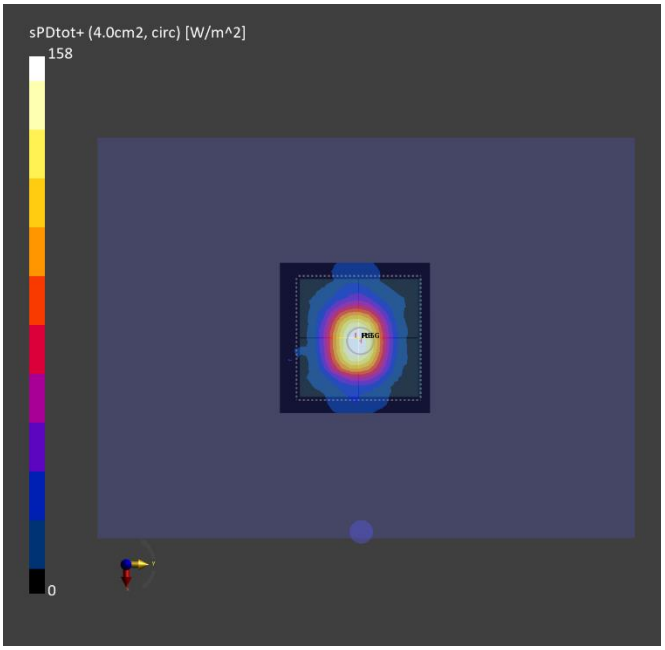
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9622_F1-55GHz, 2024-02-02	DAE4ip Sn1639, 2023-11-15

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
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2024-02-28, 14:16
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	56.7
psPDtot+ [W/m^2]	57.0
psPDmod+ [W/m^2]	57.5
E_{max} [V/m]	157
Power Drift [dB]	0.00



Measurement Report for 10 GHz Verification Source , FRONT, Validation band, CW, Channel 10000 (10000.0 MHz)

Device Under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
10 GHz Verification Source ,	100.0 x 100.0 x 172.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 10.00	Validation band	CW, 0--	10000.0, 10000	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9622_F1-55GHz, 2024-02-02	DAE4ip Sn1639, 2023-11-15

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
MAIA	N/A

Measurement Results

Scan Type	5G Scan
Date	2024-03-10, 14:24
Avg. Area [cm^2]	4.00
psPDn+ [W/m^2]	61.0
psPDtot+ [W/m^2]	61.3
psPDmod+ [W/m^2]	61.8
E_{max} [V/m]	163
Power Drift [dB]	-0.00