APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

DUT: Dipole 13.0 MHz; Type: CLA-13 - SN1002

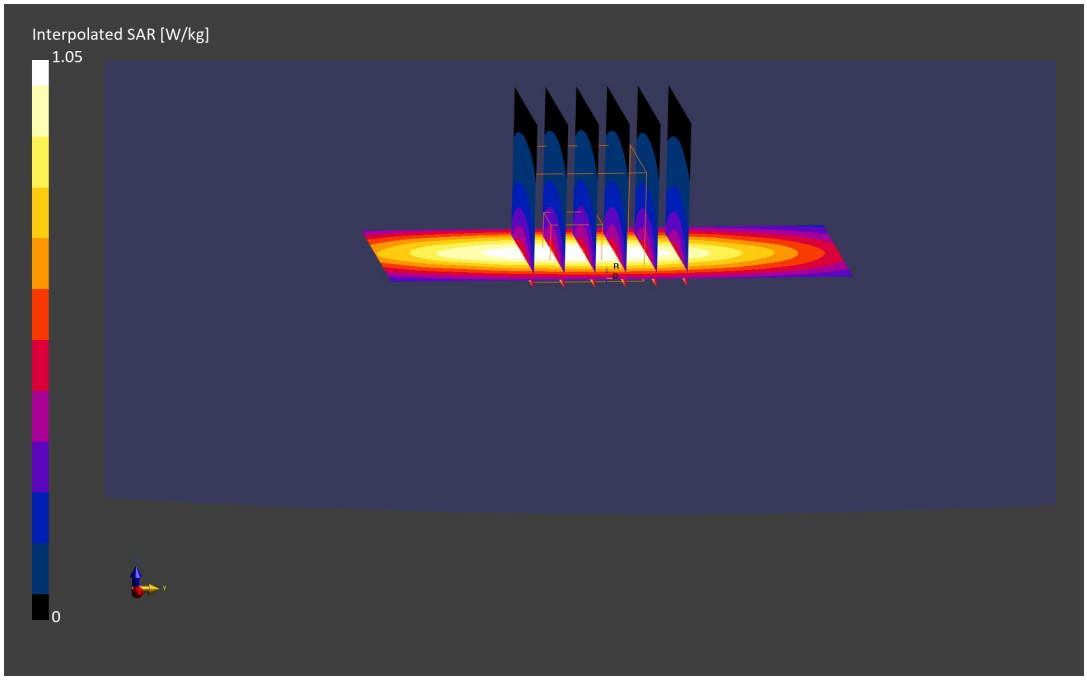
Communication System: UID: 0, CW; Frequency: 13.0 MHz
Medium: 30 Head; Medium parameters used:
f = 13.0 MHz; cond = 0.717 S/m; perm = 52.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 0 mm

Test Date: 07/06/2023; Ambient Temp: 22.6°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7417; ConvF:(18.67,18.67,18.67); Calibrated: 2023-02-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2023-02-15
Phantom: ELI V8.0 (20deg probe tilt); Serial: 2077
Measurement SW: DASY Module SAR V16.2.0.1425

13.0 MHz System Verification at 30.0 dBm (1 W)

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) = 1.05 W/kg
SAR(1 g) = 0.508 W/kg; SAR(10 g) = 0.314 W/kg
Deviation (1 g) = -8.80%; Deviation (10 g) = -9.25%;



ELEMENT

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1003

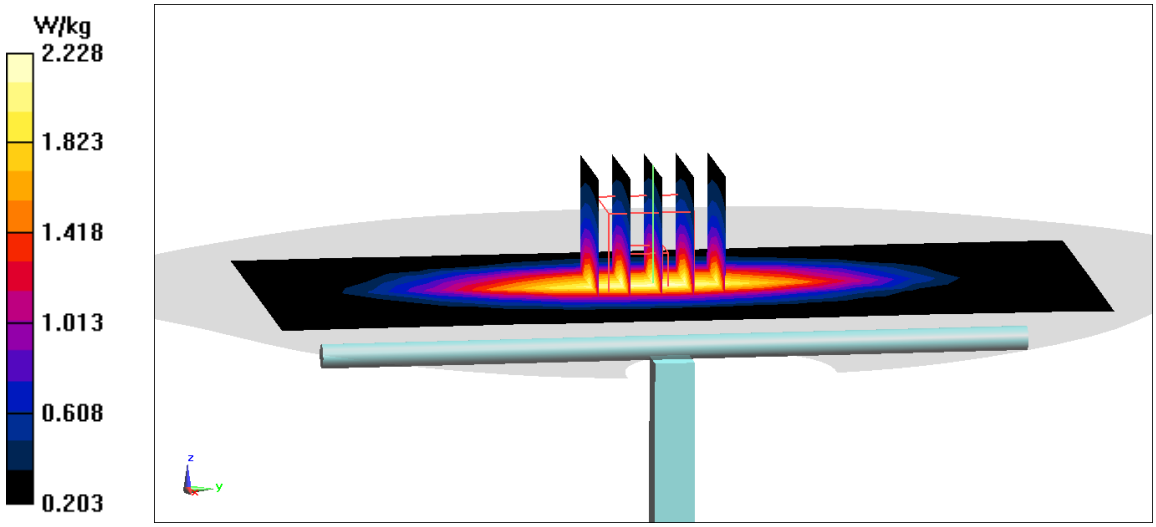
Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium: 750 Head Medium parameters used:
f = 750 MHz; σ = 0.871 S/m; ε_r = 40.181; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 07/06/2023; Ambient Temp: 22.4°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7637; ConvF(10.29, 10.29, 10.29) @ 750 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

750 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 2.44 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 MHz; Type: D750V3; Serial: 1003

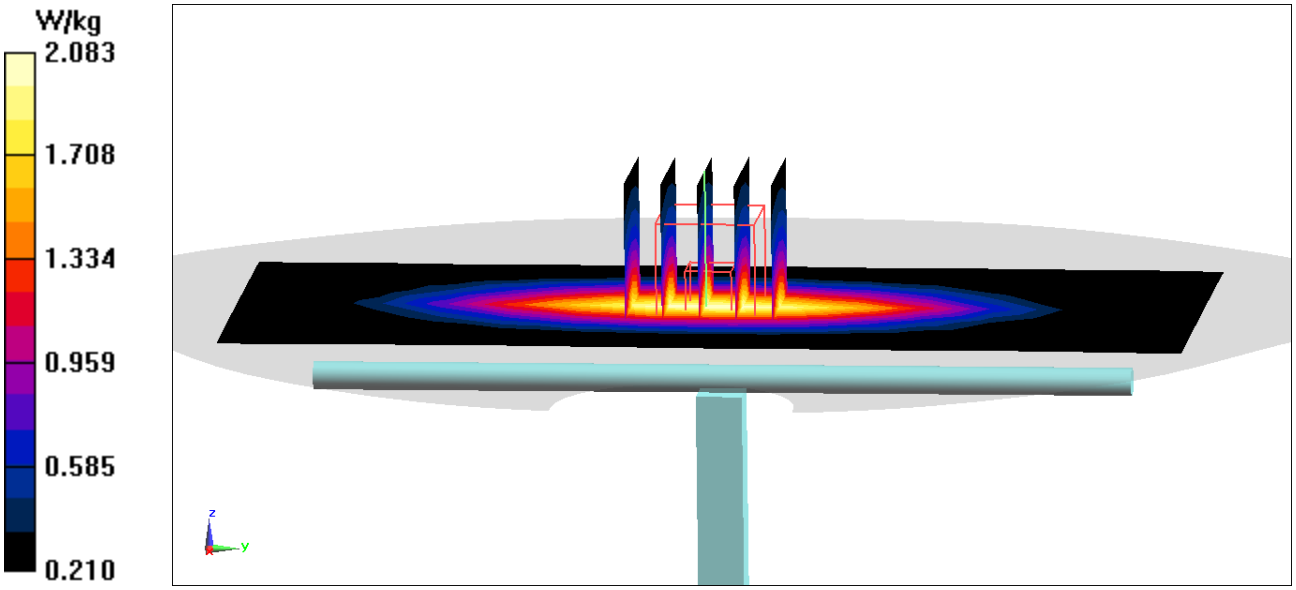
Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium: 750 Head Medium parameters used:
f = 750 MHz; σ = 0.866 S/m; ε_r = 42.694; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 07/10/2023; Ambient Temp: 22.5°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7637; ConvF(10.29, 10.29, 10.29) @ 750 MHz; Calibrated: 3/16/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1652; Calibrated: 3/16/2023
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

750 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 2.26 W/kg
SAR(1 g) = 1.63 W/kg; SAR(10 g) = 1.09 W/kg
Deviation(1 g) = -3.89%; Deviation(10 g) = -1.98%



ELEMENT

DUT: D835V2 - SN4d119; Type: D835V2; Serial: SN4d119

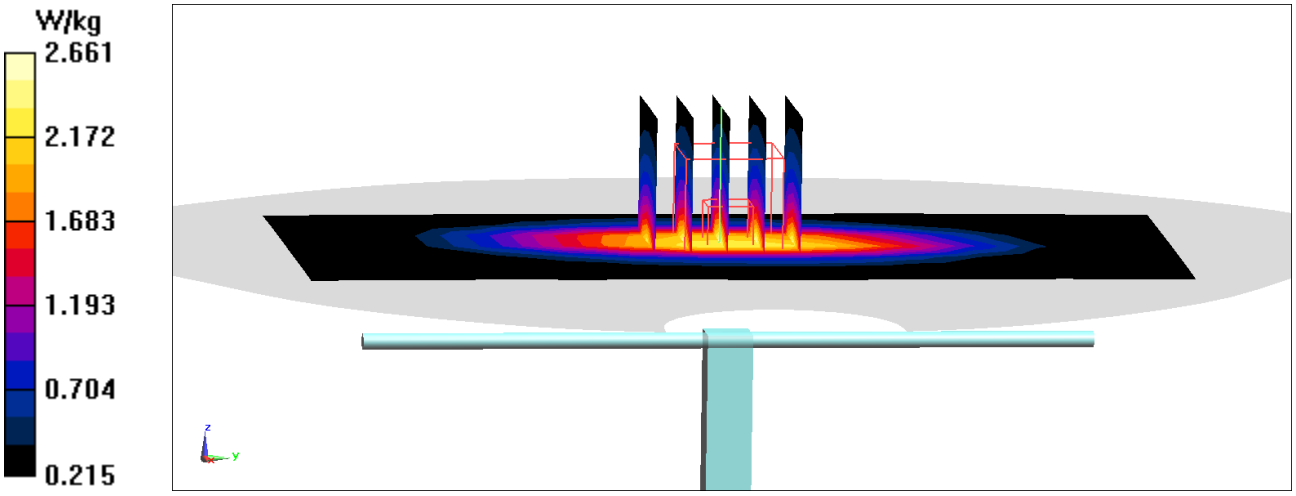
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used:
f = 835 MHz; σ = 0.878 S/m; ε_r = 40.831; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 06/30/2023; Ambient Temp: 22.5°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7640; ConvF(10.56, 10.56, 10.56) @ 835 MHz; Calibrated: 2/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 2/16/2023
Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

835 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 46.79 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 3.02 W/kg
SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.28 W/kg
Deviation(1 g) = 0.82%; Deviation(10 g) = 0.31%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d132

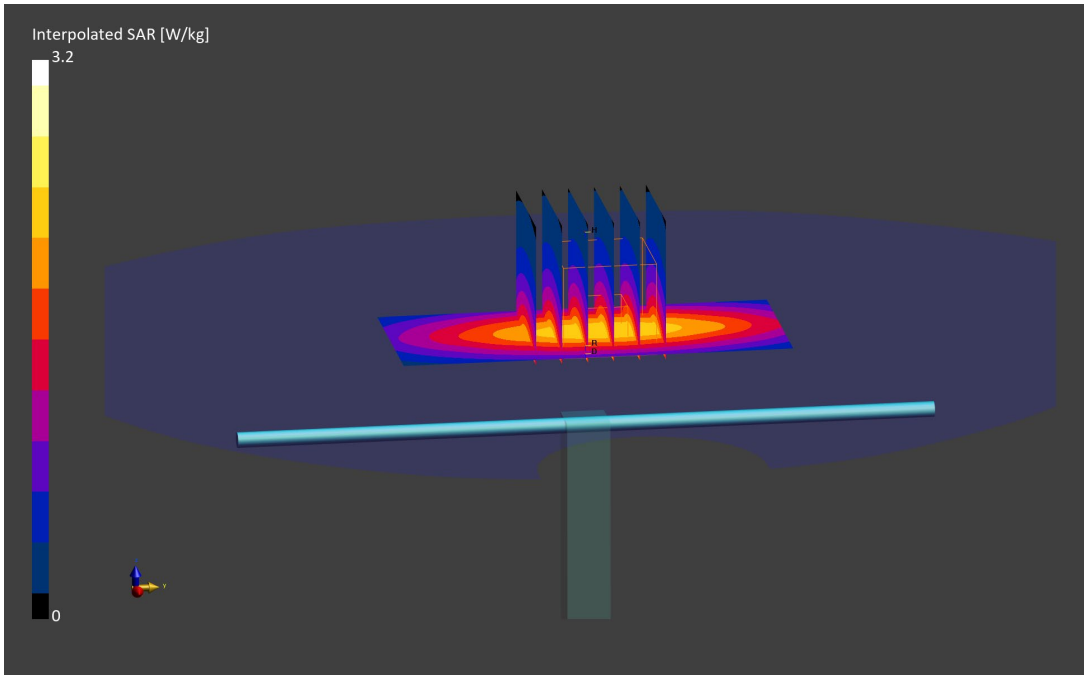
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.893 S/m; perm = 42.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 07/03/2023; Ambient Temp: 21.8°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7713; ConvF:(10.17,10.17,10.17); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

835 MHz System Verification at 23 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) = 2.09 W/kg; SAR(10 g) = 1.37 W/kg
Deviation (1 g) = 8.18%; Deviation (10 g) = 9.25%



ELEMENT

DUT: D835V2 - SN4d119; Type: D835V2; Serial: SN4d119

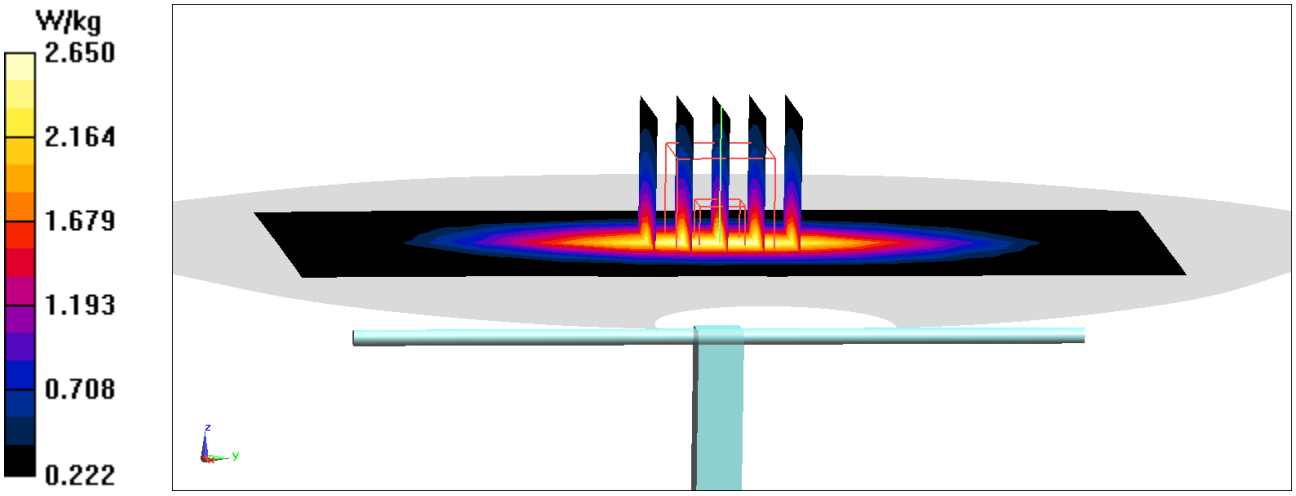
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used:
f = 835 MHz; σ = 0.902 S/m; ε_r = 41.456; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 07/05/2023; Ambient Temp: 22.2°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7640; ConvF(10.56, 10.56, 10.56) @ 835 MHz; Calibrated: 2/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 2/16/2023
Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

835 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.53 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 2.98 W/kg
SAR(1 g) = 1.98 W/kg; SAR(10 g) = 1.3 W/kg
Deviation(1 g) = 1.85%; Deviation(10 g) = 1.88%



ELEMENT

DUT: D835V2 - SN4d119; Type: D835V2; Serial: SN4d119

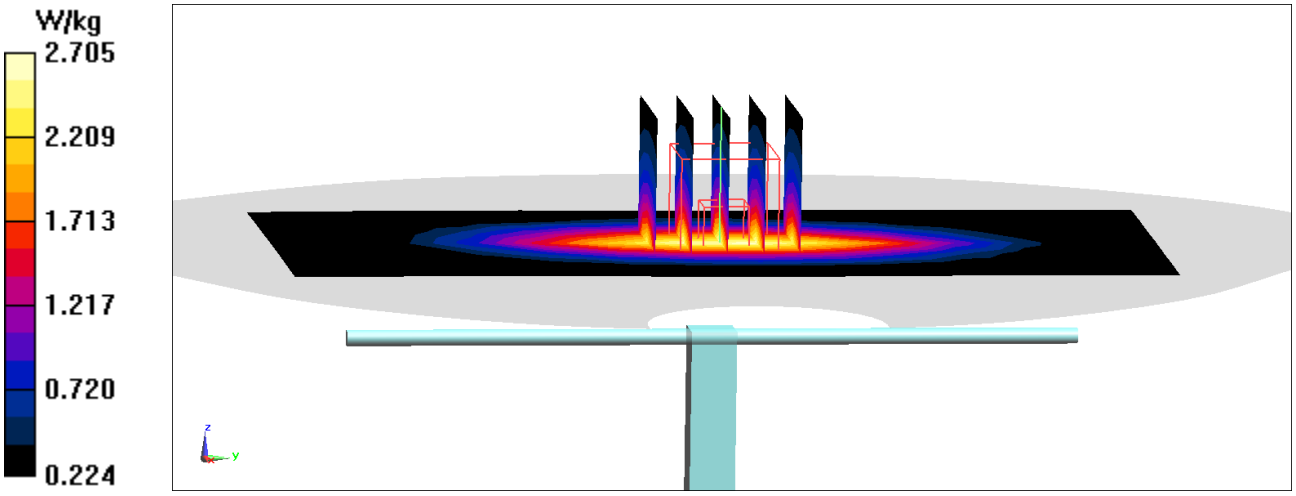
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used:
f = 835 MHz; σ = 0.911 S/m; ε_r = 41.726; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 07/06/2023; Ambient Temp: 21.2°C; Tissue Temp: 20.2°C

Probe: EX3DV4 - SN7640; ConvF(10.56, 10.56, 10.56) @ 835 MHz; Calibrated: 2/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 2/16/2023
Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

835 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.35 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.05 W/kg
SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.31 W/kg
Deviation(1 g) = 3.40%; Deviation(10 g) = 2.66%



ELEMENT

DUT: D835V2 - SN4d119; Type: D835V2; Serial: SN4d119

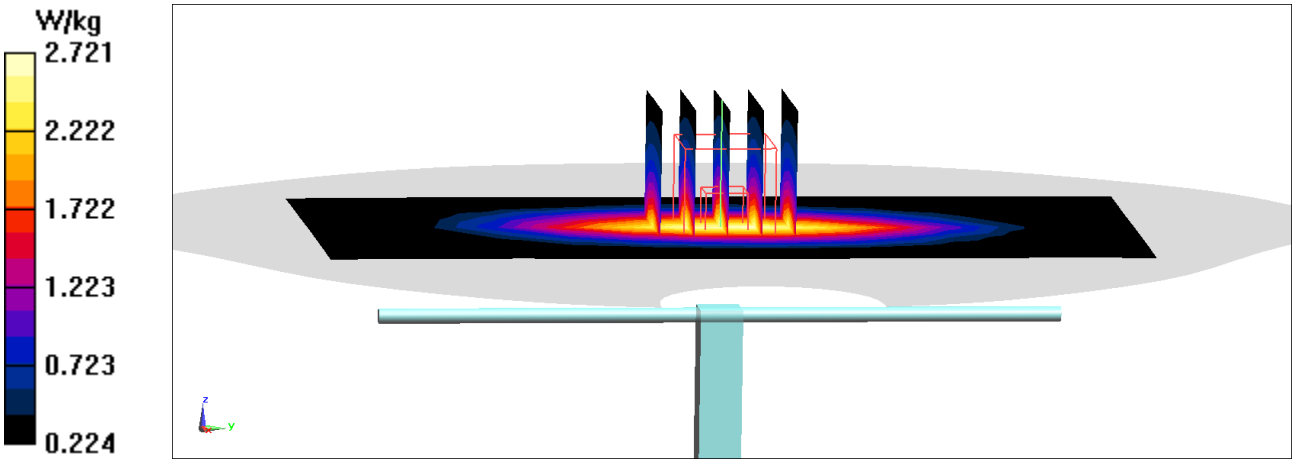
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used:
f = 835 MHz; σ = 0.906 S/m; ε_r = 41.98; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 07/10/2023; Ambient Temp: 21.0°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7640; ConvF(10.56, 10.56, 10.56) @ 835 MHz; Calibrated: 2/10/2023
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 2/16/2023
Phantom: Twin-SAM V8.0; Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

835 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 48.75 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.07 W/kg
SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.32 W/kg
Deviation(1 g) = 3.40%; Deviation(10 g) = 3.45%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1150

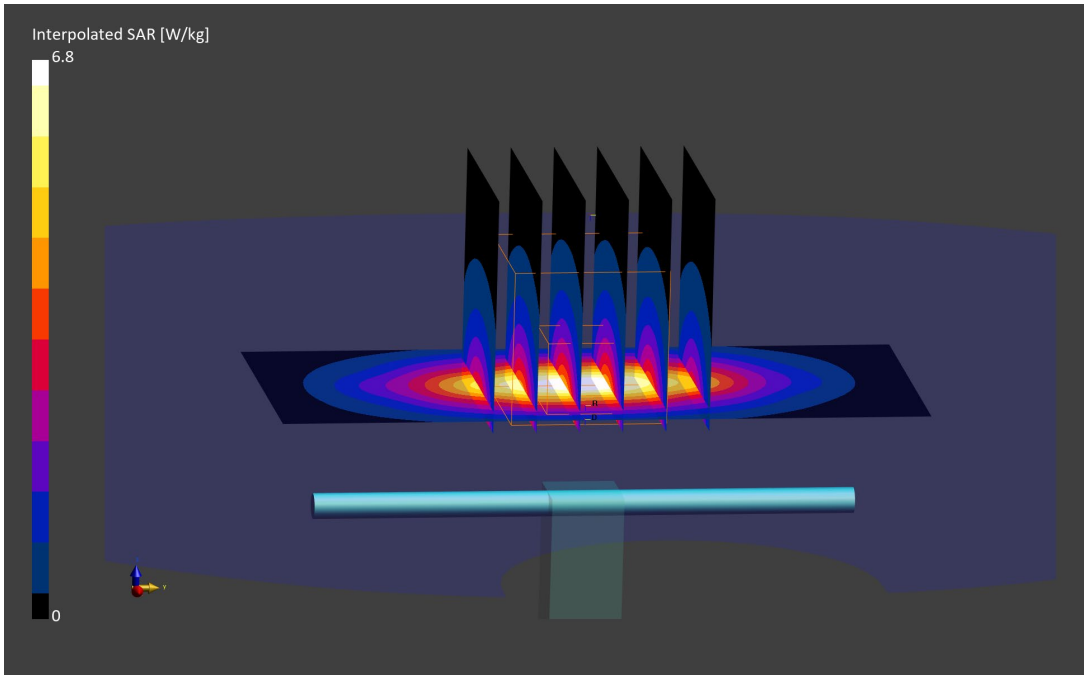
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.35 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/26/2023; Ambient Temp: 21.4°C; Tissue Temp:20.1°C

Probe: EX3DV4 - SN7713; ConvF:(8.99,8.99,8.99); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 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) = 6.80 W/kg
SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.96 W/kg
Deviation (1 g) = -0.81%; Deviation (10 g) = 1.03%;



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1148

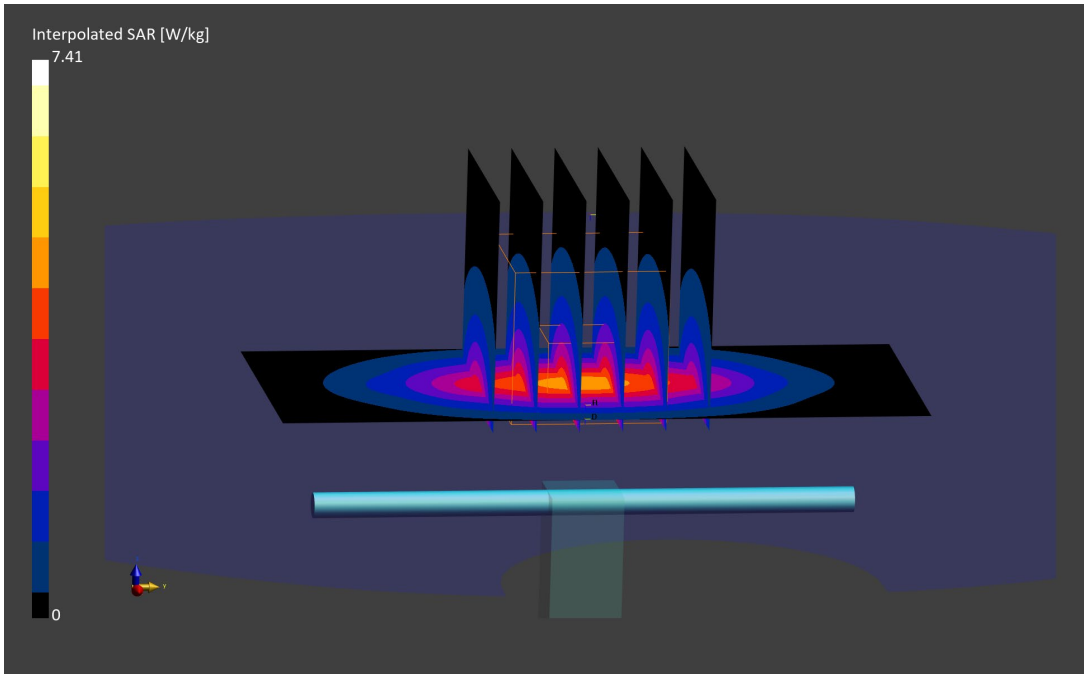
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.41 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/05/2023; Ambient Temp: 22.5°C; Tissue Temp: 22.5°C

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

1750 MHz System Verification at 20 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) = 7.41 W/kg
SAR(1 g) = 3.78 W/kg; SAR(10 g) = 1.99 W/kg
Deviation (1 g) = 1.61%; Deviation (10 g) = 2.58%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1148

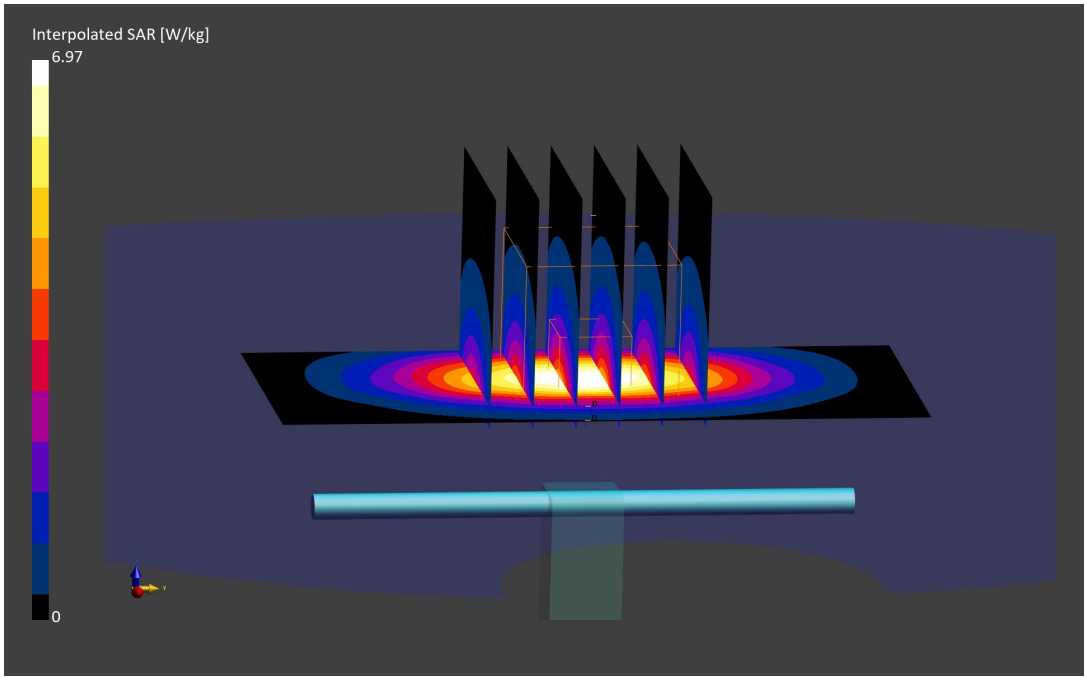
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.39 S/m; perm = 41.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/08/2023; Ambient Temp: 20.8°C; Tissue Temp: 21.4°C

Probe: EX3DV4 - SN7417; ConvF:(8.32,8.32,8.32); Calibrated: 2023-02-08
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn665; Calibrated: 2023-02-15
Phantom: Twin-SAM V5.0; Serial: 1757
Measurement SW: DASY Module SAR V16.2.0.1425

1750 MHz System Verification at 20 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) = 6.97 W/kg
SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.97 W/kg
Deviation (1 g) = 0.00%; Deviation (10 g) = 1.55%;



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1148

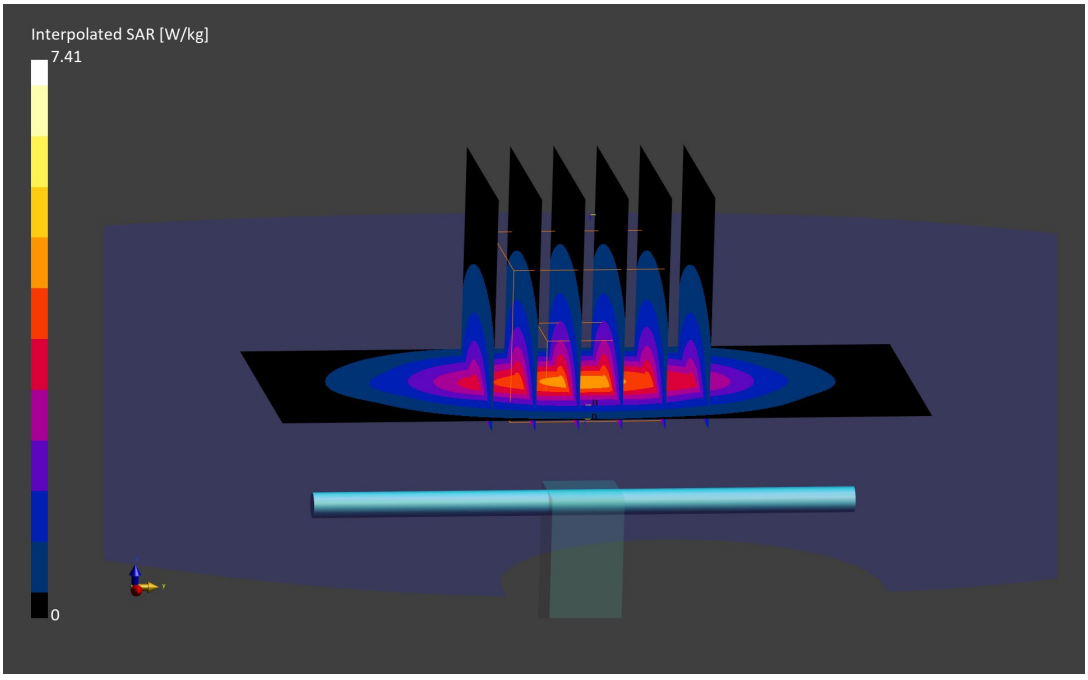
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.37 S/m; perm = 38.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2023; Ambient Temp: 21.0°C; Tissue Temp: 21.0°C

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

1750 MHz System Verification at 20 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) = 7.41 W/kg
SAR(1 g) = 3.79 W/kg; SAR(10 g) = 2.01 W/kg
Deviation (1 g) = 1.88%; Deviation (10 g) = 3.61%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1148

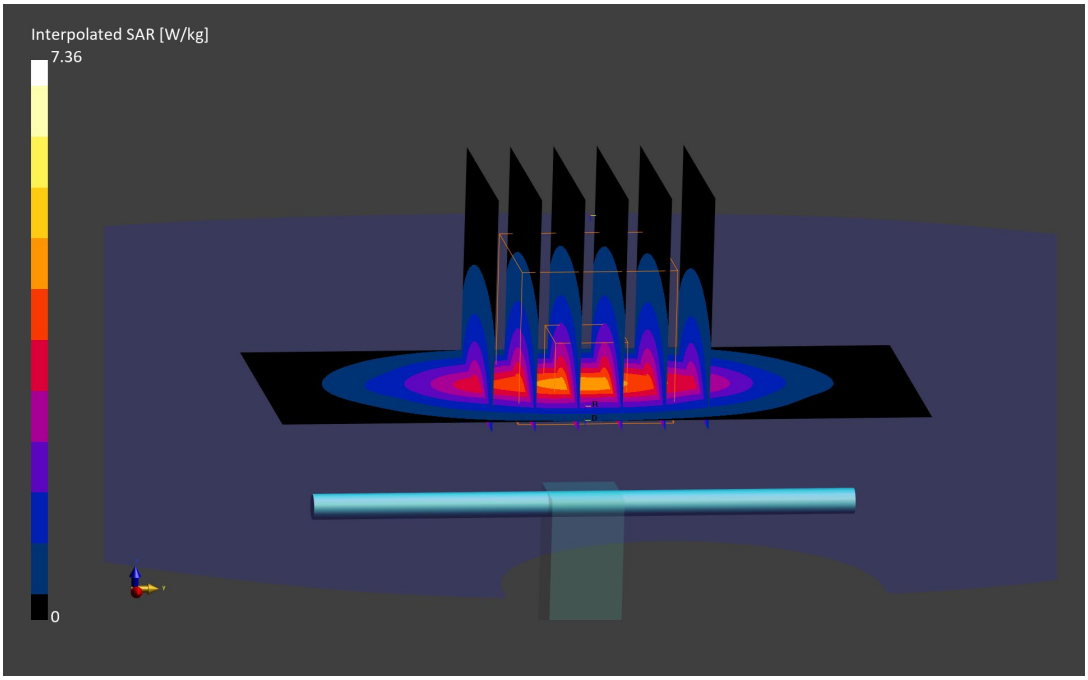
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.39 S/m; perm = 39.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/13/2023; Ambient Temp: 23.0°C; Tissue Temp: 23.0°C

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

1750 MHz System Verification at 20 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) = 7.36 W/kg
SAR(1 g) = 3.78 W/kg; SAR(10 g) = 1.99 W/kg
Deviation (1 g) = 1.61%; Deviation (10 g) = 2.58%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

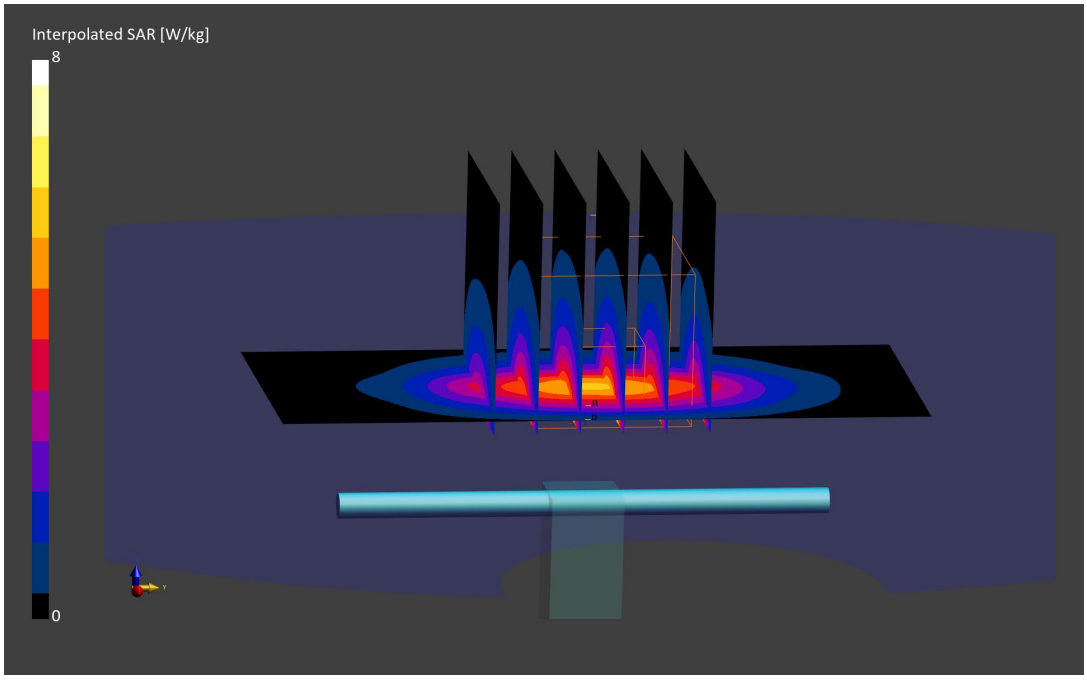
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.38 S/m; perm = 38.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/21/2023; Ambient Temp: 22.9°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7410; ConvF:(8.04,8.04,8.04); Calibrated: 2022-07-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1583; Calibrated: 2022-07-18
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 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) = 4.22 W/kg; SAR(10 g) = 2.20 W/kg
Deviation (1 g) = 4.20%; Deviation (10 g) = 3.77%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d080

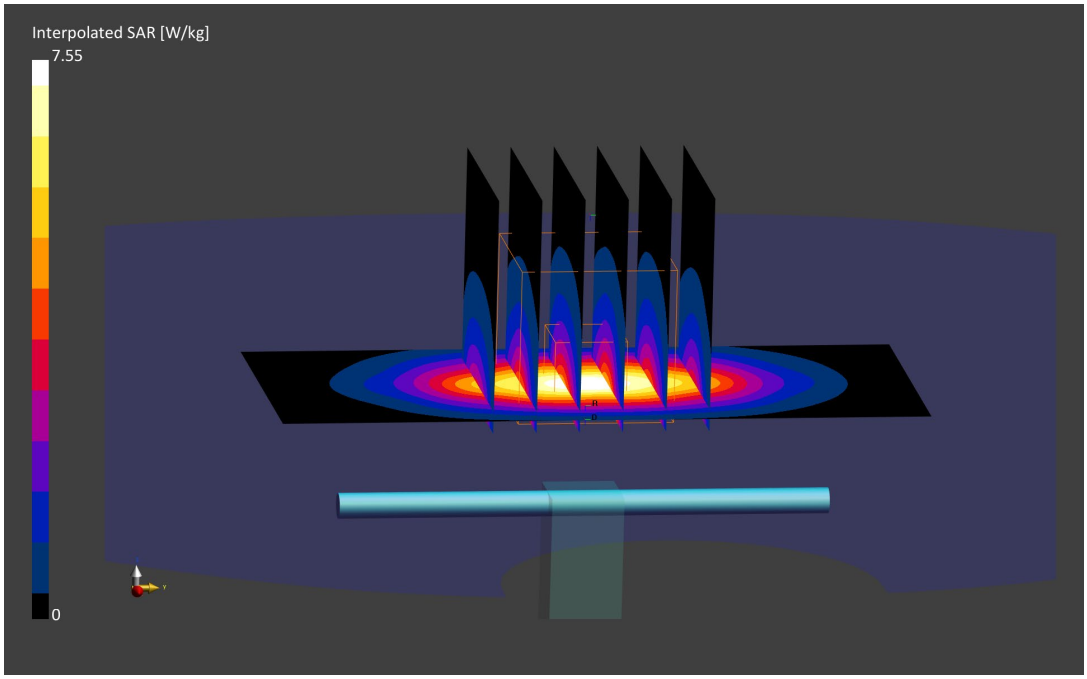
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.42 S/m; perm = 40.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/26/2023; Ambient Temp: 22.7°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7551; ConvF:(8.23,8.23,8.23); Calibrated: 2022-11-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1323; Calibrated: 2022-11-10
Phantom: Twin-SAM V8.0; Serial: 2057
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 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) = 7.55 W/kg
SAR(1 g) = 4.00 W/kg; SAR(10 g) = 2.08 W/kg
Deviation (1 g) = 1.01%; Deviation (10 g) = 0.48%;



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

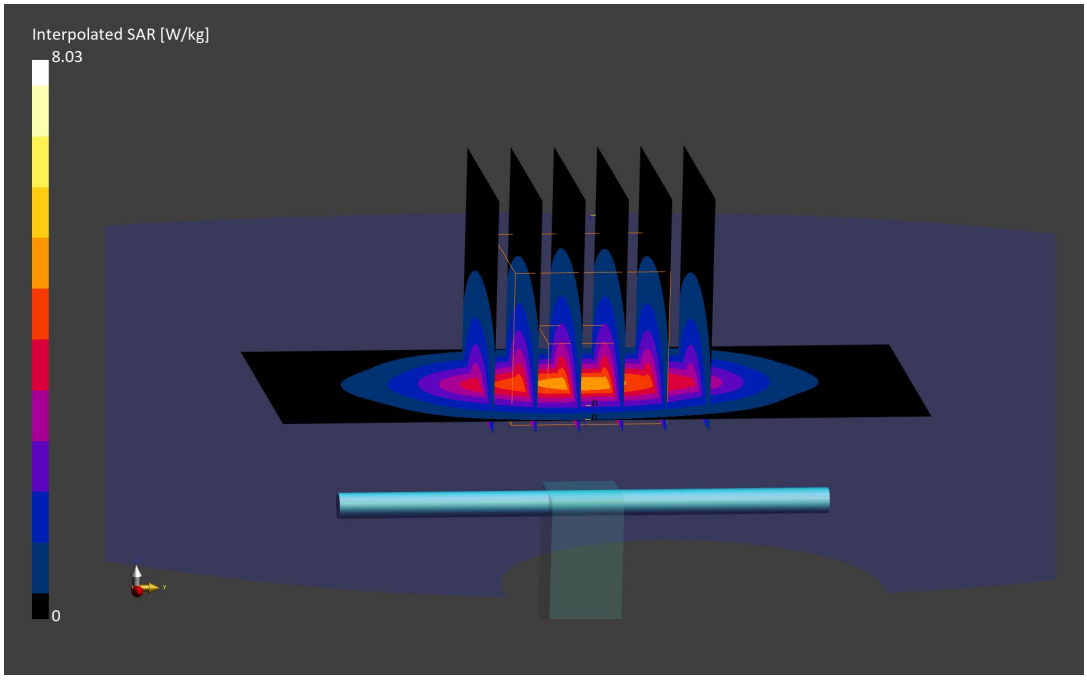
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.46 S/m; perm = 39.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/05/2023; Ambient Temp: 22.2°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7713; ConvF:(8.68,8.68,8.68); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 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) = 8.03 W/kg
SAR(1 g) = 4.13 W/kg; SAR(10 g) = 2.14 W/kg
Deviation (1 g) = 1.98%; Deviation (10 g) = 0.94%;



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

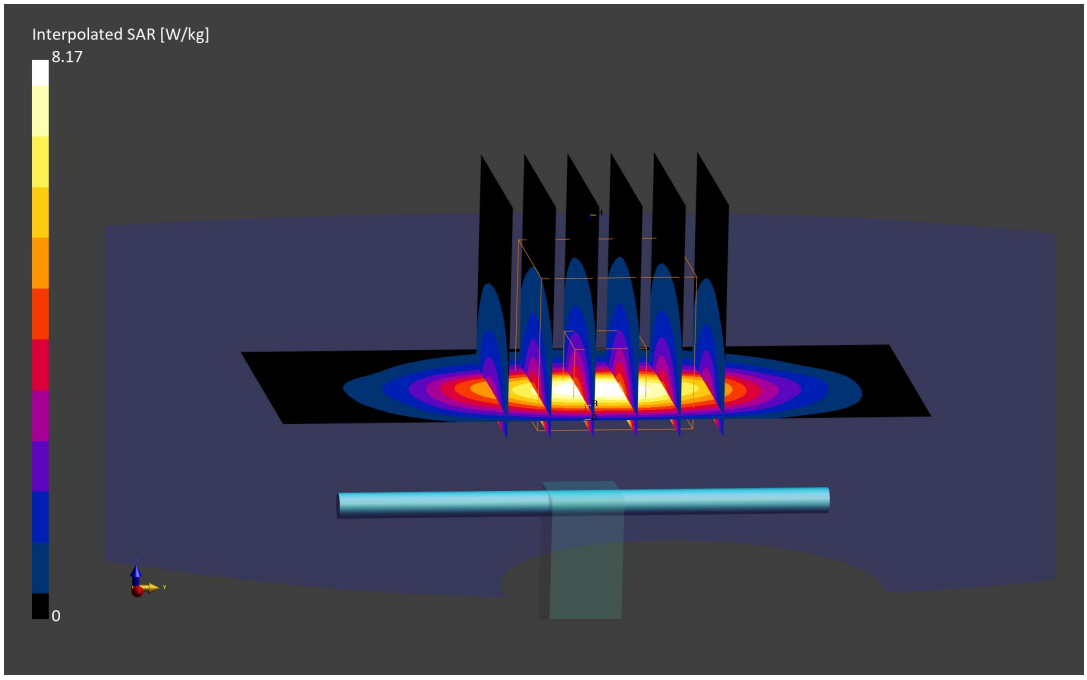
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.39 S/m; perm = 39.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/12/2023; Ambient Temp: 22.0°C; Tissue Temp: 23.8°C

Probe: EX3DV4 - SN7409; ConvF:(8.2,8.2,8.2); Calibrated: 2023-06-15
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1334; Calibrated: 2023-06-15
Phantom: Twin-SAM V8.0; Serial: 1630
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 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) = 4.11 W/kg; SAR(10 g) = 2.12 W/kg
Deviation (1 g) = 1.48%; Deviation (10 g) = 0.00%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d148

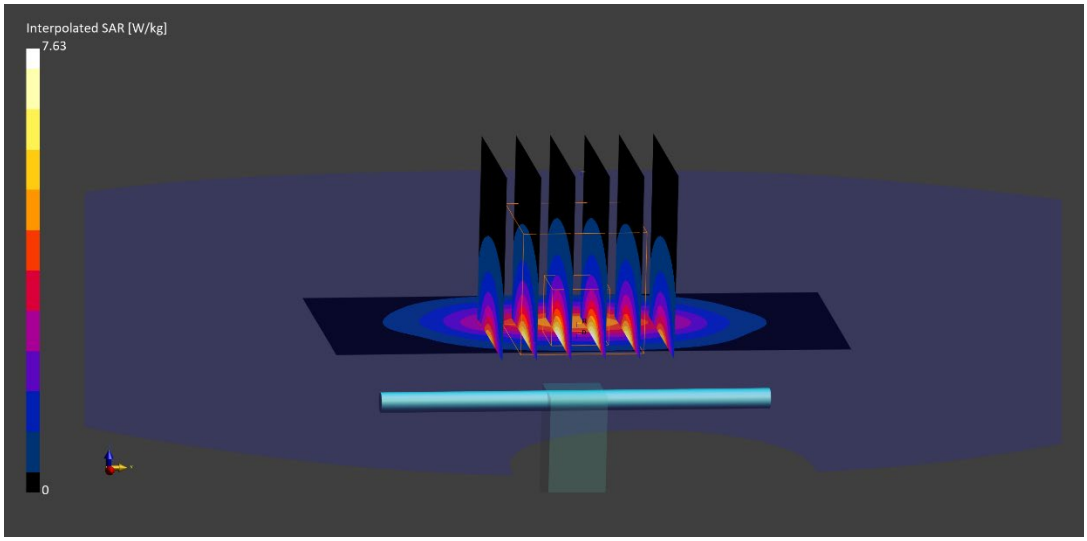
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.39 S/m; perm = 38.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/17/2023; Ambient Temp: 22.2°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7551; ConvF:(8.23,8.23,8.23); Calibrated: 2022-11-11
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1323; Calibrated: 2022-11-10
Phantom: Twin-SAM V8.0; Serial: 2057
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 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) = 7.63 W/kg
SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.03 W/kg
Deviation (1 g) = -1.75%; Deviation (10 g) = -3.33%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

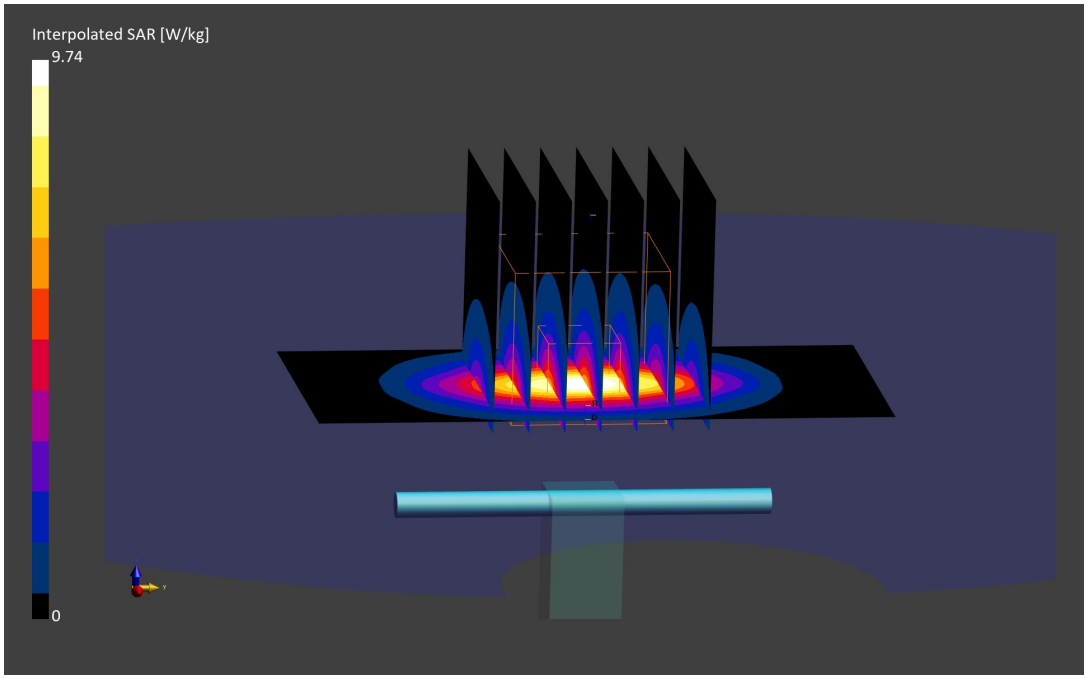
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.81 S/m; perm = 38.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/20/2023; Ambient Temp: 24.6°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 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) = 4.94 W/kg; SAR(10 g) = 2.33 W/kg
Deviation (1 g) = -8.35%; Deviation (10 g) = -8.27%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN981

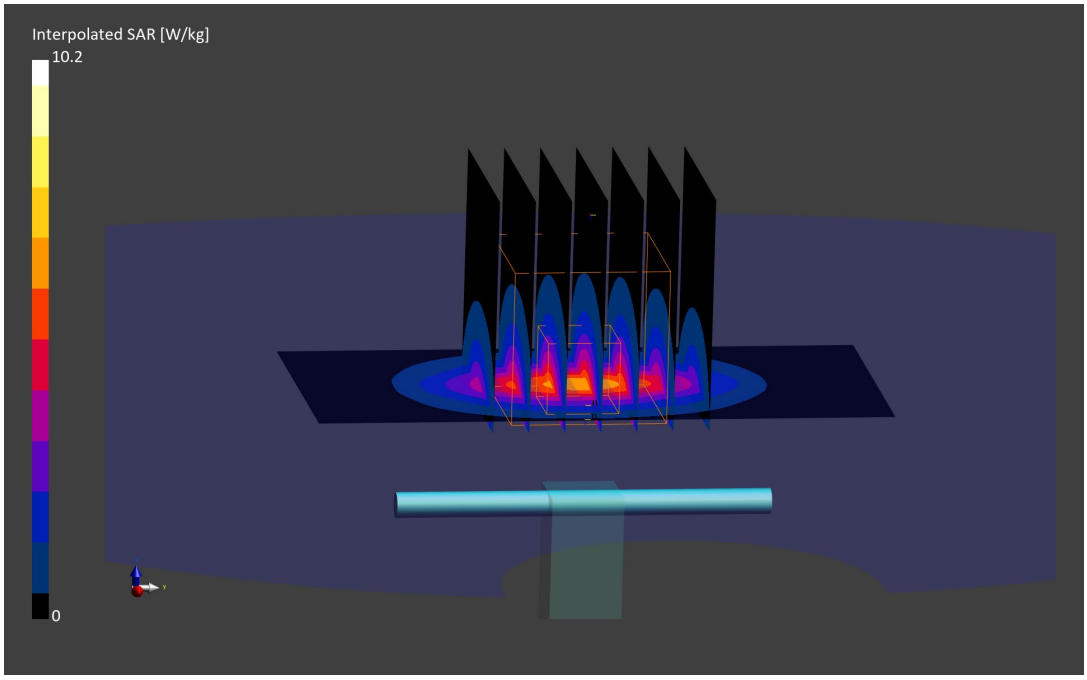
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.80 S/m; perm = 37.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/25/2023; Ambient Temp: 23.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7570; ConvF:(7.55,7.55,7.55); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 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) = 4.97 W/kg; SAR(10 g) = 2.32 W/kg
Deviation (1 g) = -7.79%; Deviation (10 g) = -8.66%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN945

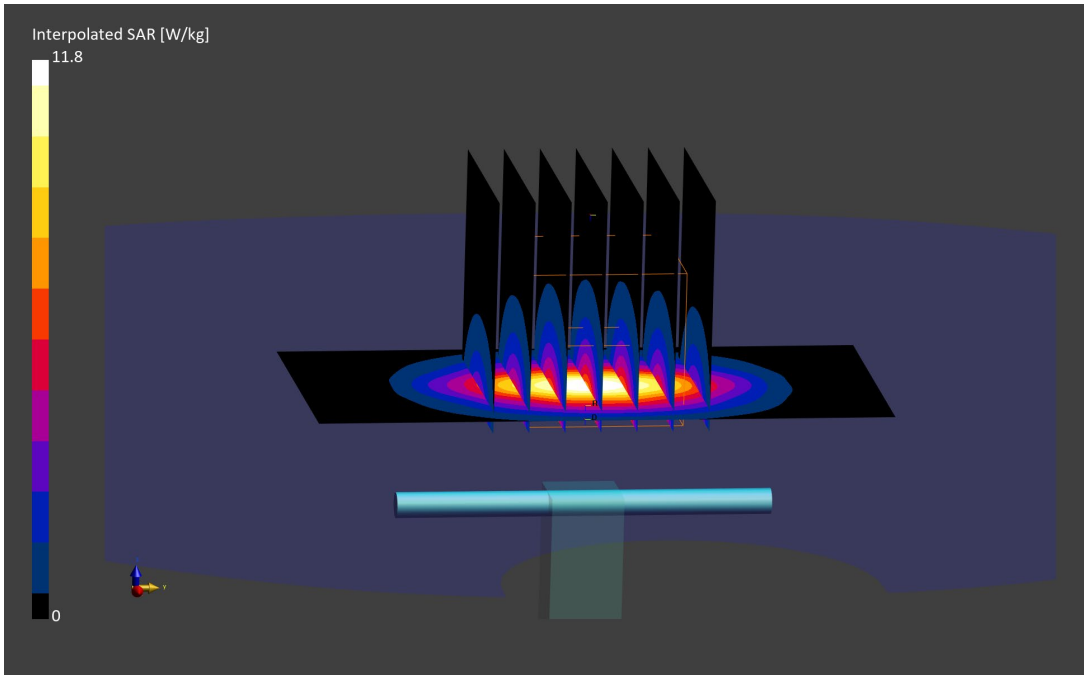
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.84 S/m; perm = 39.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/26/2023; Ambient Temp: 19.9°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7565; ConvF:(7.08,7.08,7.08); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 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) = 5.53 W/kg; SAR(10 g) = 2.54 W/kg
Deviation (1 g) = 6.55%; Deviation (10 g) = 3.25%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN882

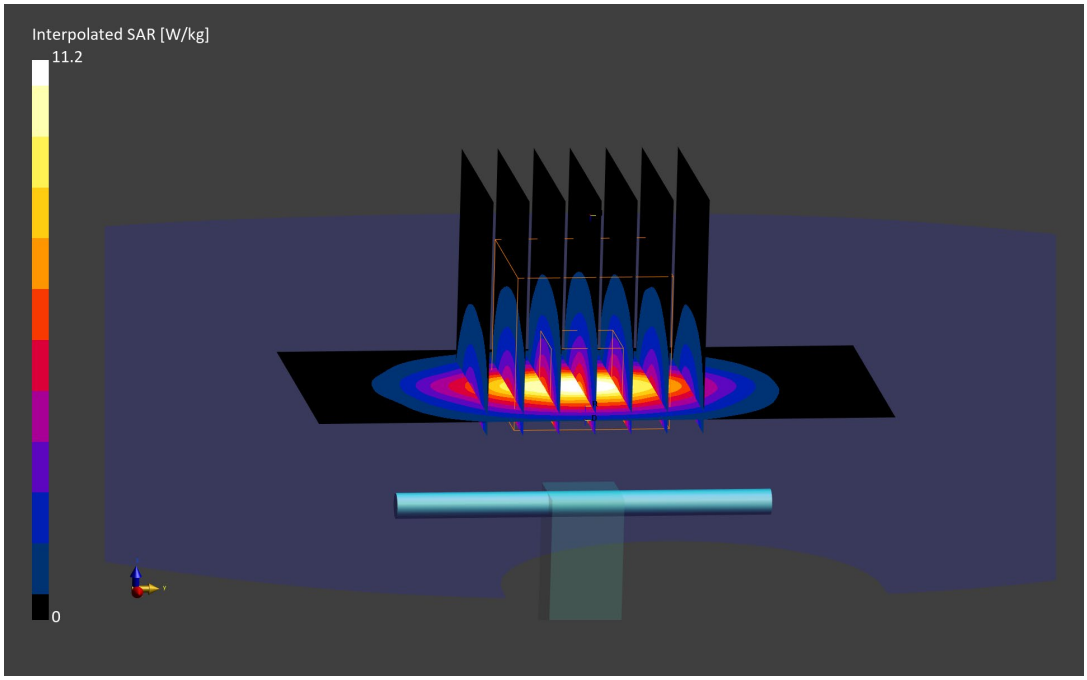
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.77 S/m; perm = 40.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/04/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7547; ConvF:(7.16,7.16,7.16); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 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) = 5.47 W/kg; SAR(10 g) = 2.58 W/kg
Deviation (1 g) = 5.80%; Deviation (10 g) = 6.61%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN882

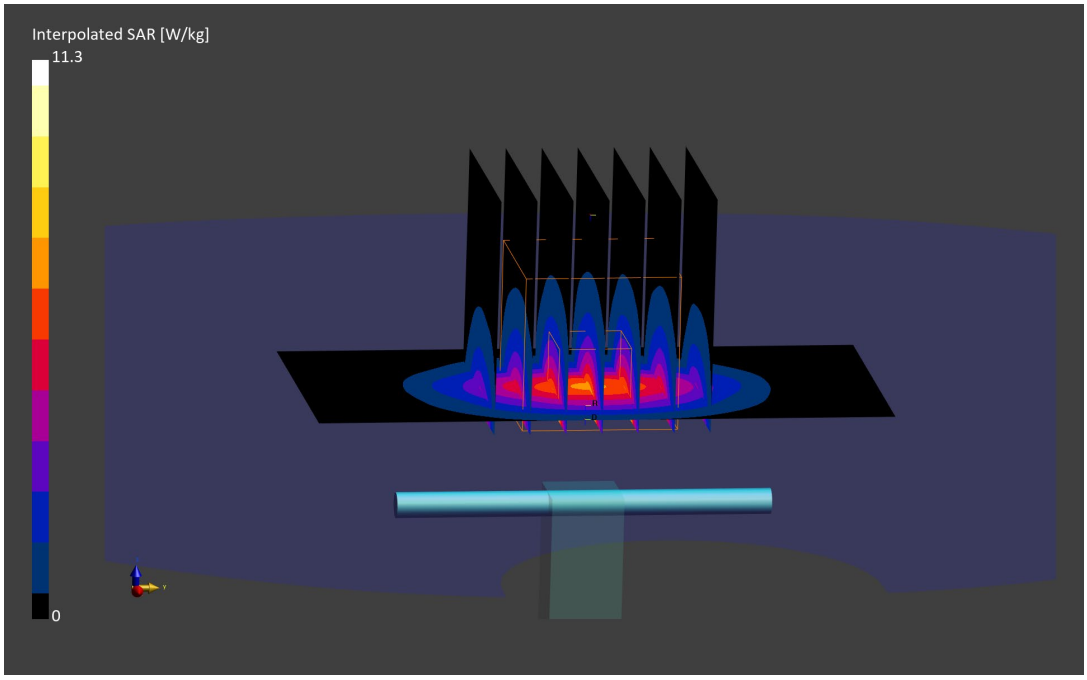
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.79 S/m; perm = 41.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/06/2023; Ambient Temp: 23.6°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7547; ConvF:(7.16,7.16,7.16); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 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) = 5.54 W/kg; SAR(10 g) = 2.61 W/kg
Deviation (1 g) = 7.16%; Deviation (10 g) = 7.85%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN882

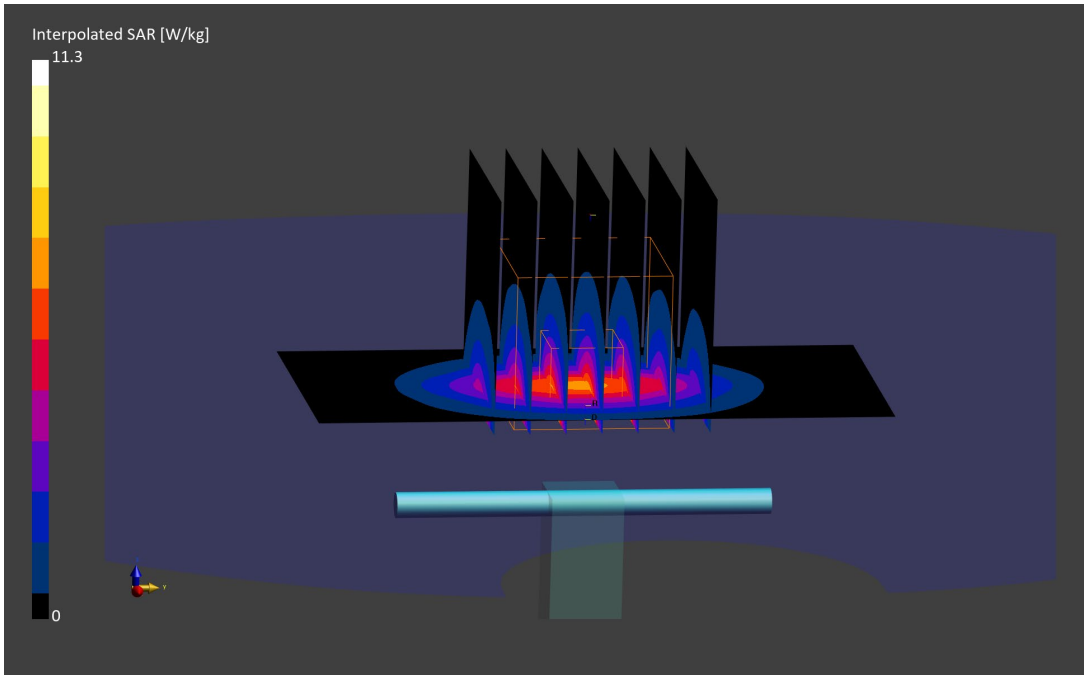
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.77 S/m; perm = 40.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/12/2023; Ambient Temp: 20.2°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7547; ConvF:(7.16,7.16,7.16); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 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) = 5.53 W/kg; SAR(10 g) = 2.60 W/kg
Deviation (1 g) = 6.96%; Deviation (10 g) = 7.44%;



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN882

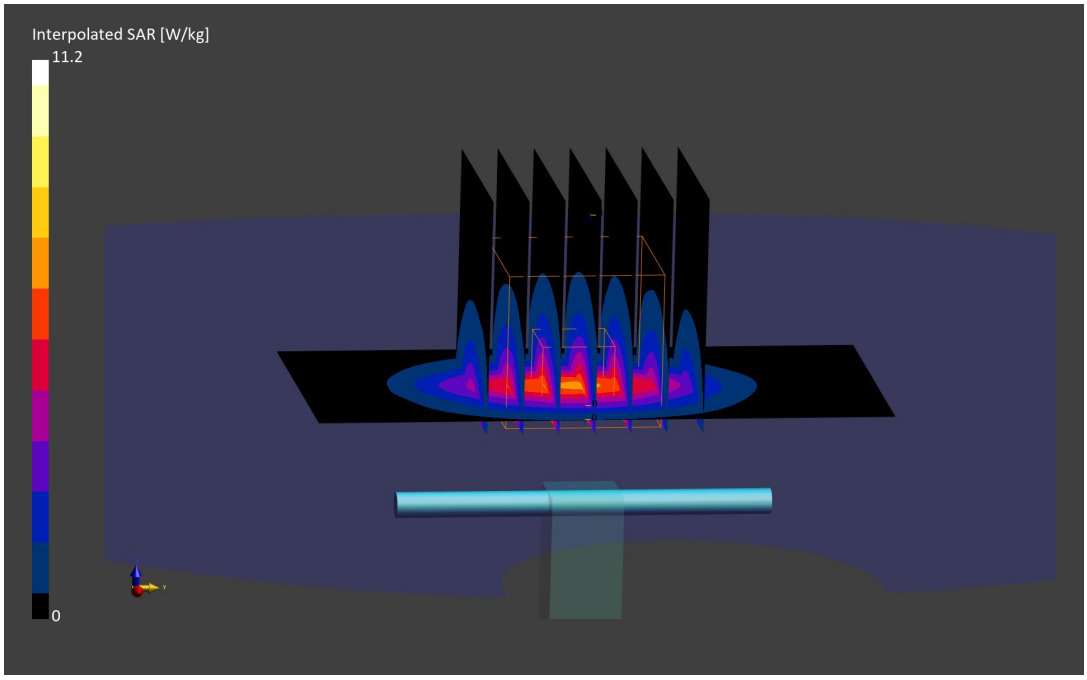
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.77 S/m; perm = 40.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/14/2023; Ambient Temp: 19.8°C; Tissue Temp: 19.3°C

Probe: EX3DV4 - SN7547; ConvF:(7.16,7.16,7.16); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

2450 MHz System Verification at 20 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) = 5.43 W/kg; SAR(10 g) = 2.56 W/kg
Deviation (1 g) = 5.03%; Deviation (10 g) = 5.79%;



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1071

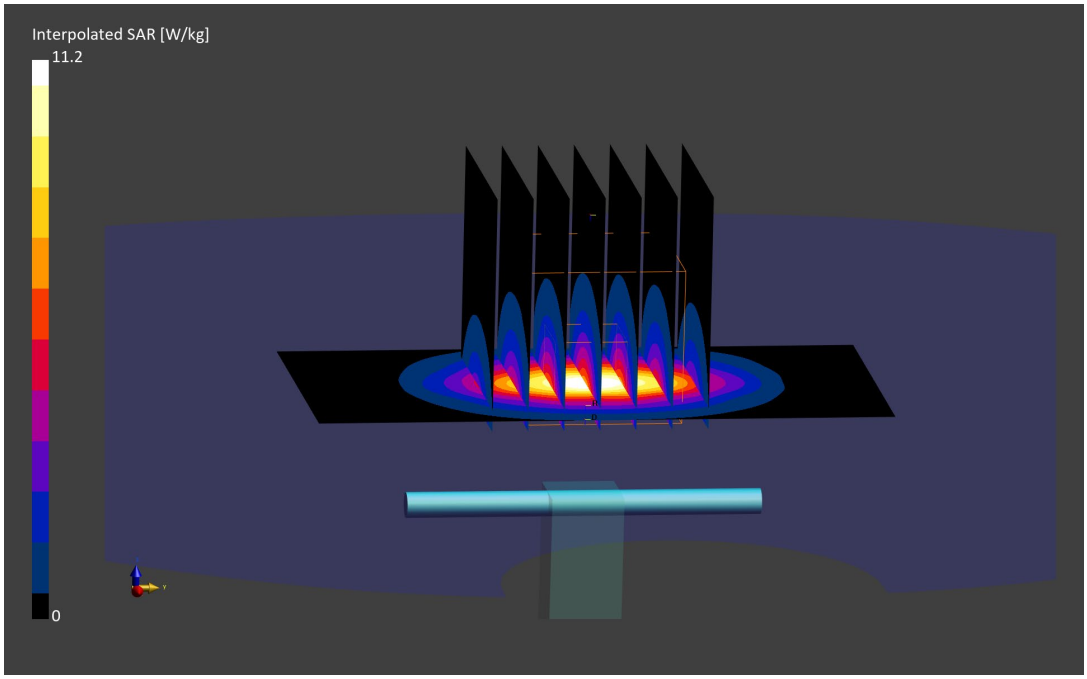
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.95 S/m; perm = 40.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/28/2023; Ambient Temp: 20.5°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7713; ConvF:(8.03,8.03,8.03); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2023-01-18
Phantom: Twin-SAM V8.0; Serial: 2065
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 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) = 5.50 W/kg; SAR(10 g) = 2.51 W/kg
Deviation (1 g) = -2.65%; Deviation (10 g) = -1.18%;



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1126

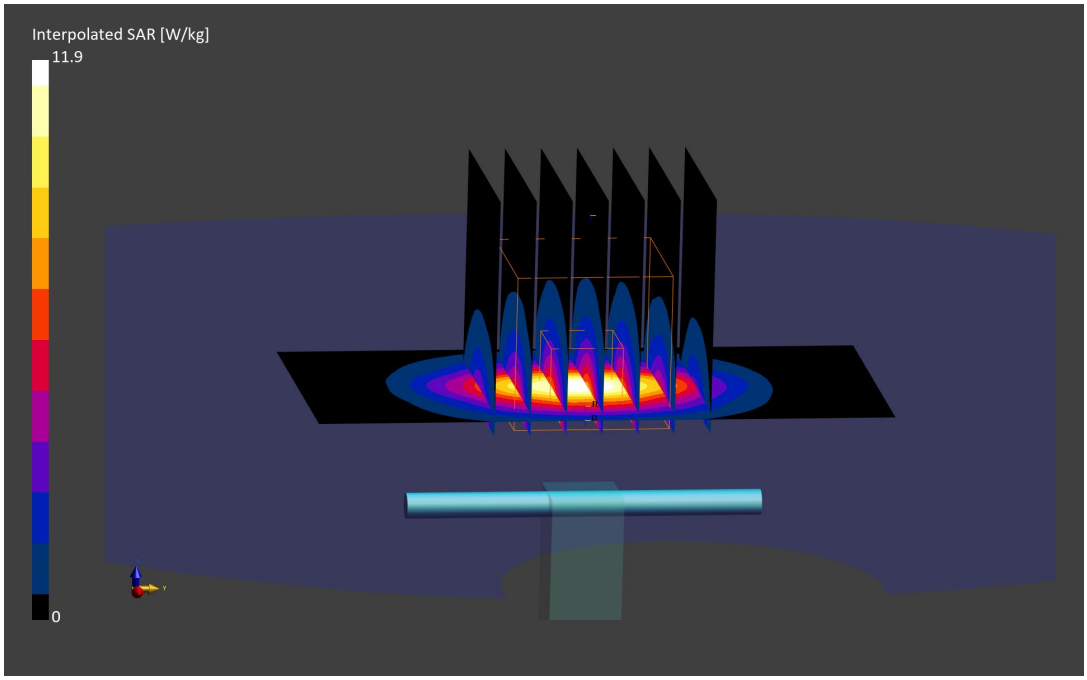
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.89 S/m; perm = 40.7; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/04/2023; Ambient Temp: 21.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7547; ConvF:(6.92,6.92,6.92); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 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) = 5.73 W/kg; SAR(10 g) = 2.62 W/kg
Deviation (1 g) = 2.50%; Deviation (10 g) = 3.97%;



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1126

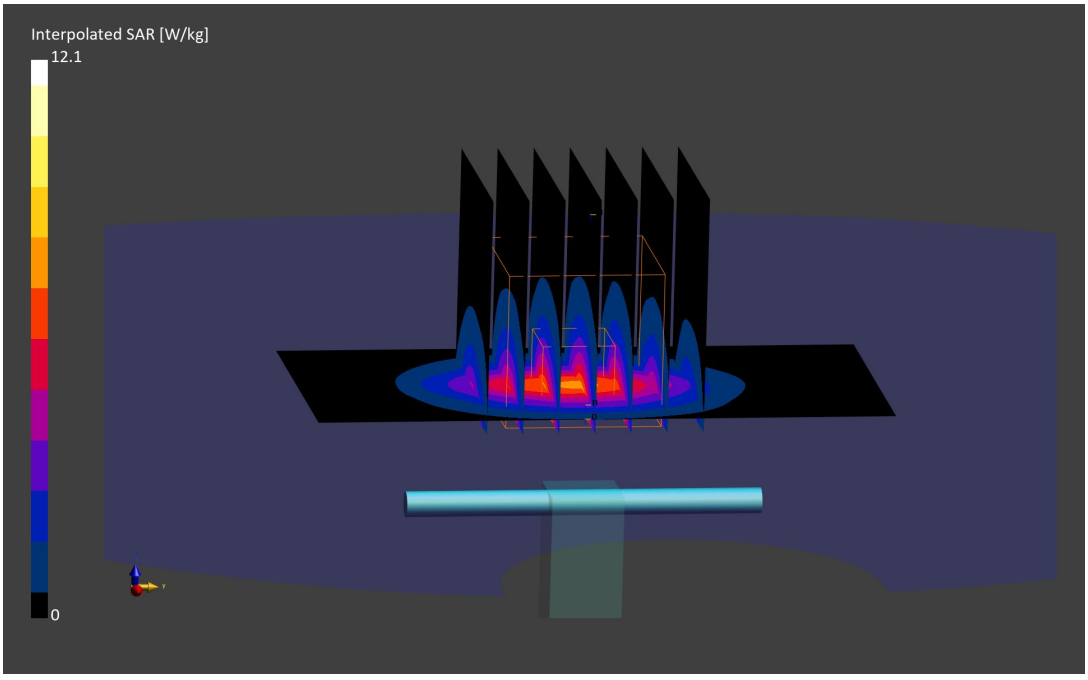
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.91 S/m; perm = 40.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/06/2023; Ambient Temp: 23.6°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7547; ConvF:(6.92,6.92,6.92); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 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) = 5.84 W/kg; SAR(10 g) = 2.67 W/kg
Deviation (1 g) = 4.47%; Deviation (10 g) = 5.95%;



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1071

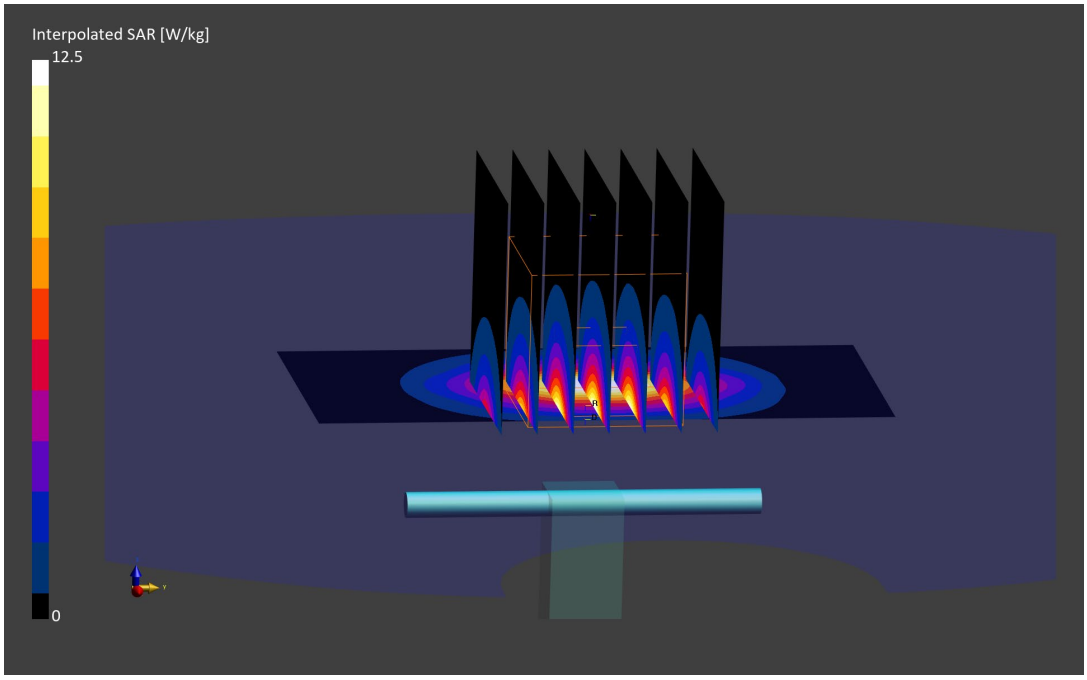
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.94 S/m; perm = 38.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2023; Ambient Temp: 20.8°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN7570; ConvF:(7.26,7.26,7.26); Calibrated: 2023-01-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2023-01-17
Phantom: Twin-SAM V8.0; Serial: 2060
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 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) = 5.88 W/kg; SAR(10 g) = 2.66 W/kg
Deviation (1 g) = 4.07%; Deviation (10 g) = 4.72%;



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1126

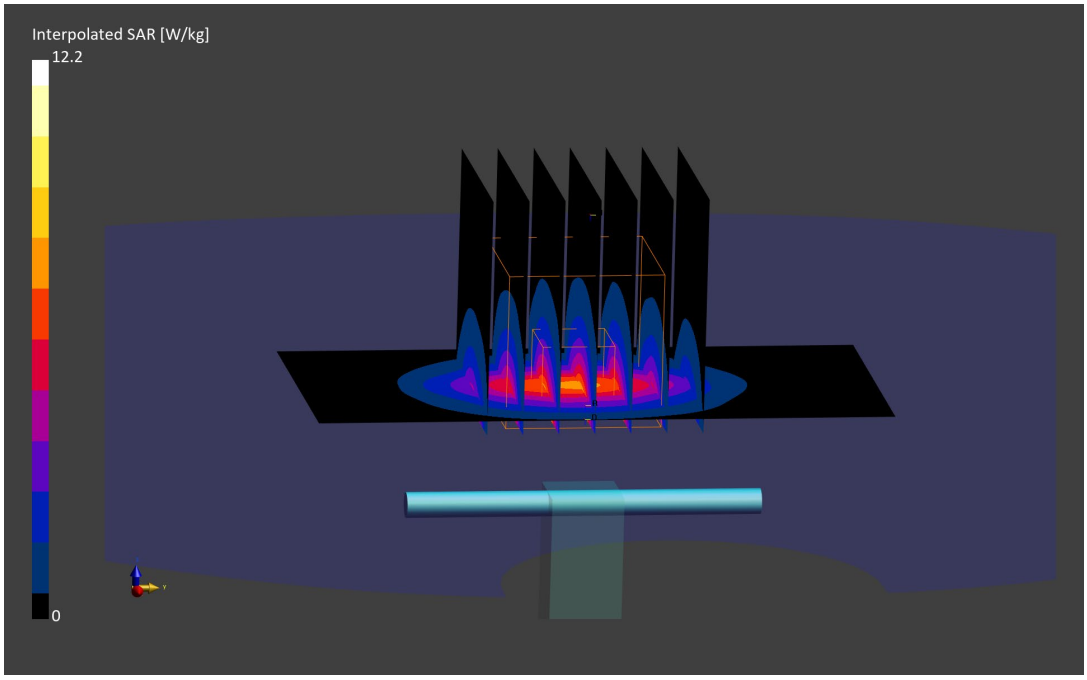
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.89 S/m; perm = 40.5; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/12/2023; Ambient Temp: 20.2°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7547; ConvF:(6.92,6.92,6.92); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 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) = 12.2 W/kg
SAR(1 g) = 5.87 W/kg; SAR(10 g) = 2.68 W/kg
Deviation (1 g) = 5.01%; Deviation (10 g) = 6.35%;



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1126

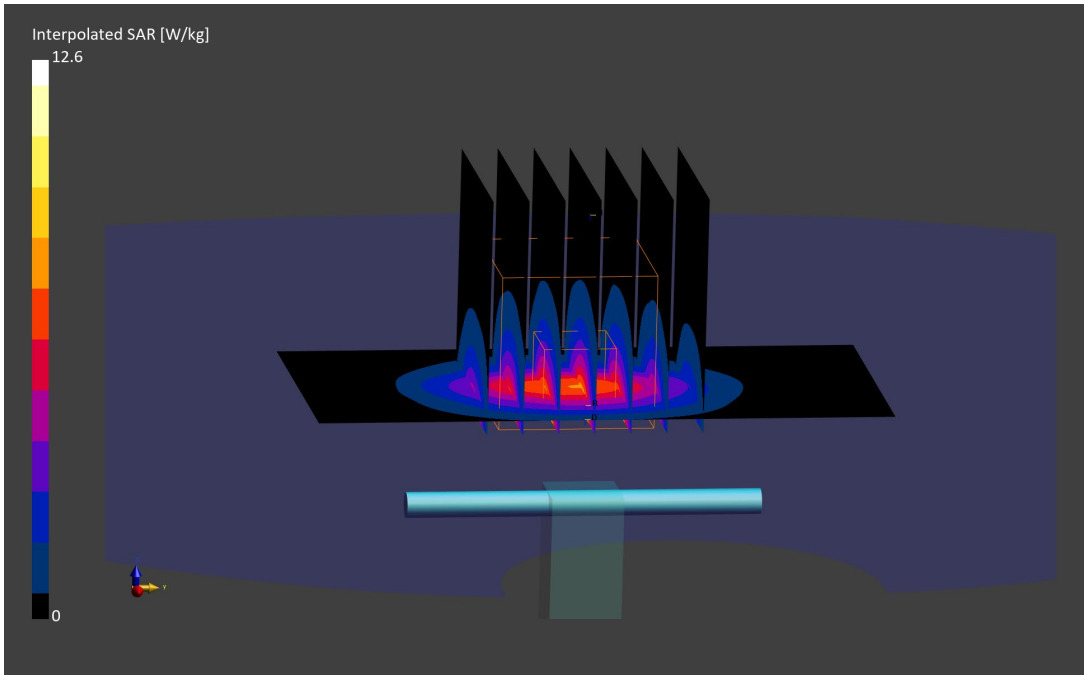
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.89 S/m; perm = 40.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/14/2023; Ambient Temp: 19.8°C; Tissue Temp: 19.3°C

Probe: EX3DV4 - SN7547; ConvF:(6.92,6.92,6.92); Calibrated: 2022-10-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1322; Calibrated: 2022-10-17
Phantom: Twin-SAM V8.0; Serial: 1934
Measurement SW: DASY Module SAR V16.2.0.1425

2600 MHz System Verification at 20 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) = 6.01 W/kg; SAR(10 g) = 2.74 W/kg
Deviation (1 g) = 7.51%; Deviation (10 g) ss= 8.73%;



ELEMENT

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 – SN1120

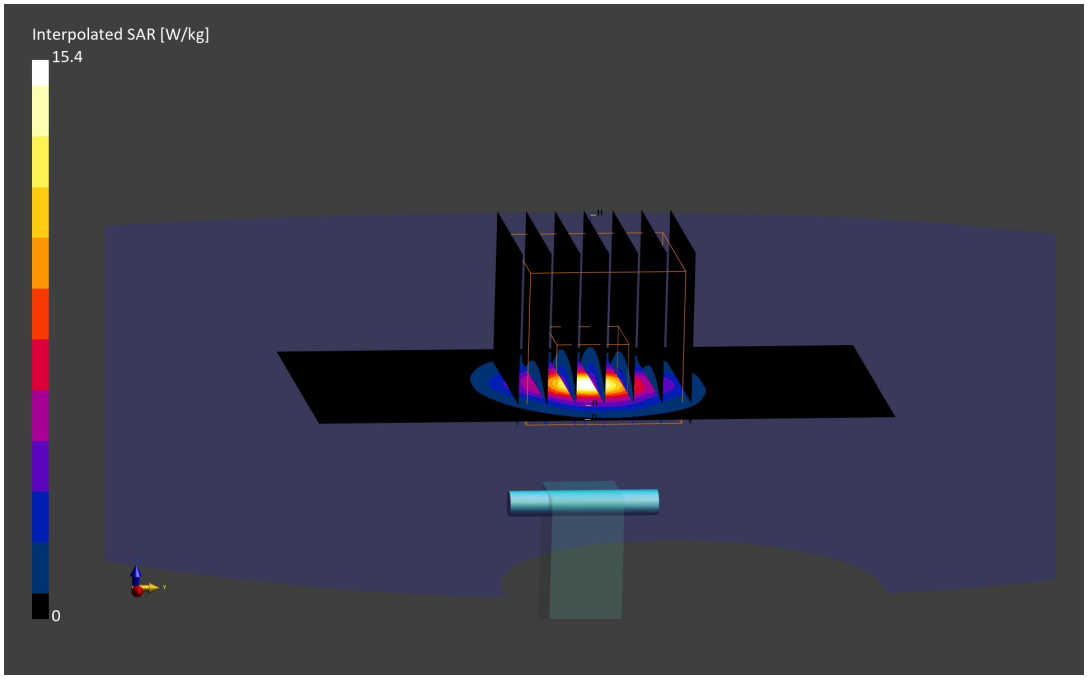
Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.64 S/m; perm = 35.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/28/2023; Ambient Temp:19.9°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7565; ConvF:(5.29,5.29,5.29); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

5250 MHz System Verification at 17 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) = 3.84 W/kg; SAR(10 g) = 1.08 W/kg
Deviation (1 g) = -5.30%; Deviation (10 g) = -6.90%;



ELEMENT

DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1237

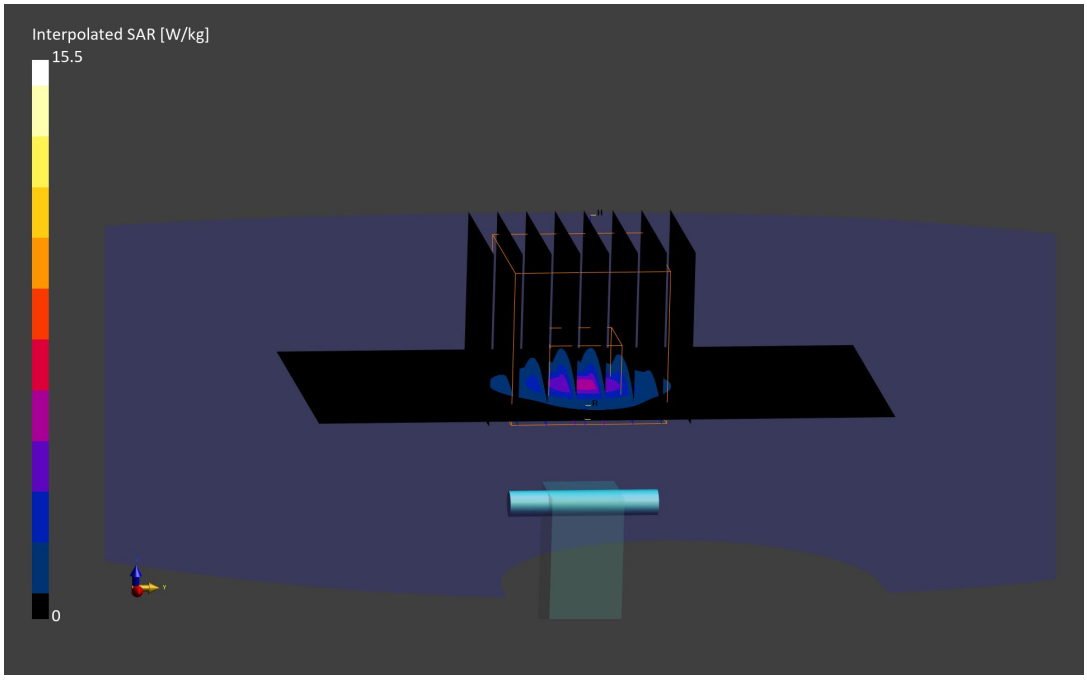
Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.67 S/m; perm = 35.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2023; Ambient Temp: 19.5°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7565; ConvF:(5.29,5.29,5.29); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

5250 MHz System Verification at 17 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) = 15.5 W/kg
SAR(1 g) = 3.87 W/kg; SAR(10 g) = 1.10 W/kg
Deviation (1 g) = -3.37%; Deviation (10 g) = -3.93%;



ELEMENT

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1120

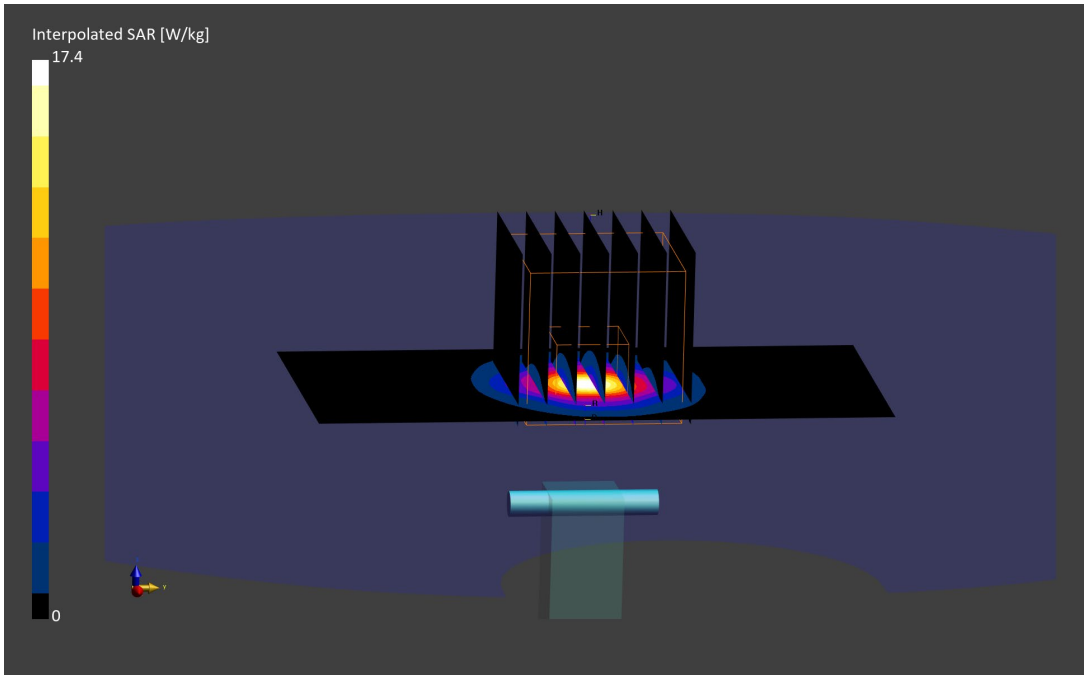
Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 5.03 S/m; perm = 34.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/28/2023; Ambient Temp:19.9°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7565; ConvF:(4.56,4.56,4.56); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

5600 MHz System Verification at 17 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) = 17.4 W/kg
SAR(1 g) = 4.02 W/kg; SAR(10 g) = 1.12 W/kg
Deviation (1 g) = -3.60%; Deviation (10 g) = -5.49%;



ELEMENT

DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1237

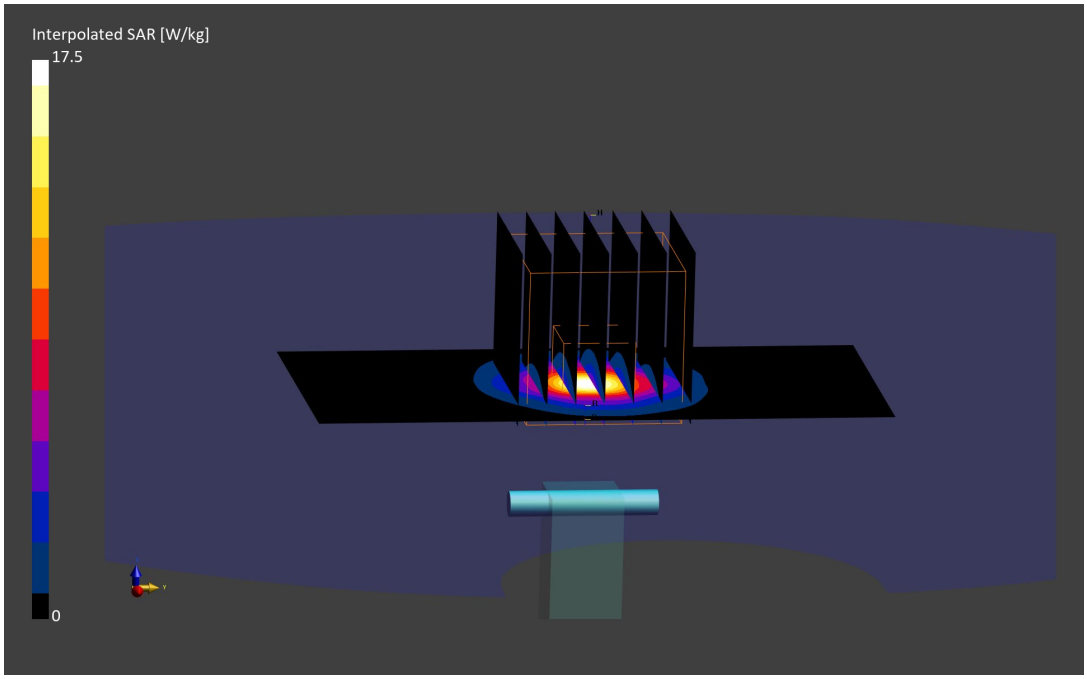
Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 5.06 S/m; perm = 34.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2023; Ambient Temp: 19.5°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7565; ConvF:(4.56,4.56,4.56); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

5600 MHz System Verification at 17 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) = 4.11 W/kg; SAR(10 g) = 1.16 W/kg
Deviation (1 g) = -2.95%; Deviation (10 g) = -3.73%;



ELEMENT

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1120

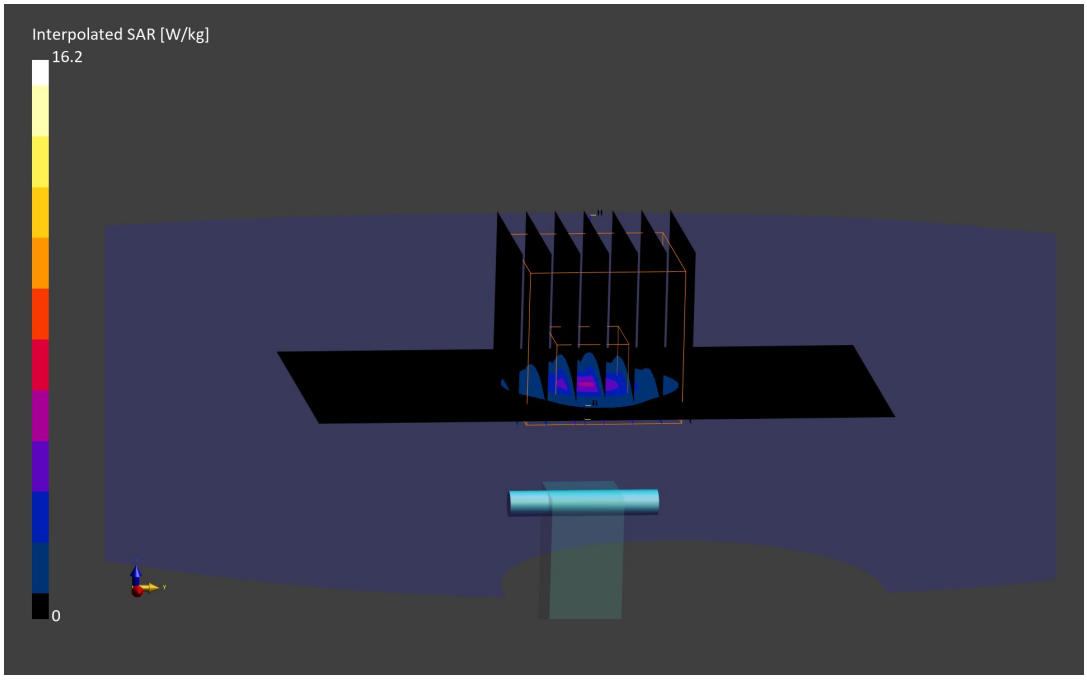
Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.20 S/m; perm = 34.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/28/2023; Ambient Temp:19.9°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7565; ConvF:(4.7,4.7,4.7); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

5750 MHz System Verification at 17 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) = 3.65 W/kg; SAR(10 g) = 1.03 W/kg
Deviation (1 g) = -7.94%; Deviation (10 g) = -8.44%;



ELEMENT

DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1237

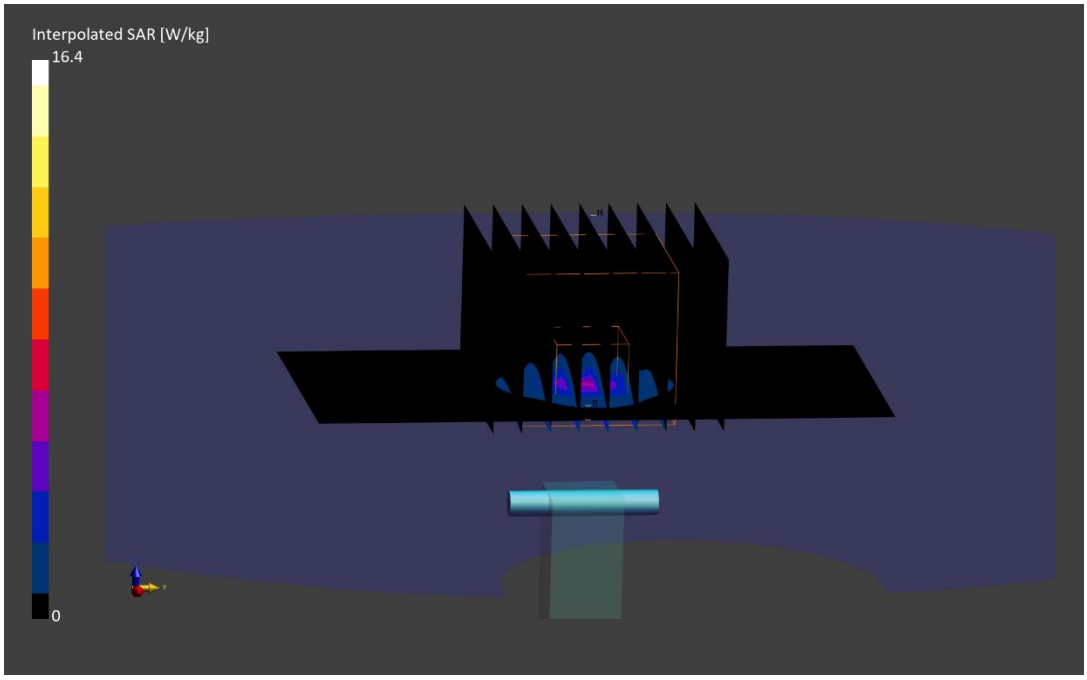
Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.24 S/m; perm = 34.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2023; Ambient Temp: 19.5°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7565; ConvF:(4.7,4.7,4.7); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

5750 MHz System Verification at 17 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) = 16.4 W/kg
SAR(1 g) = 3.73 W/kg; SAR(10 g) = 1.06 W/kg
Deviation (1 g) = -8.13%; Deviation (10 g) = -7.42%;



ELEMENT

DUT: Dipole 5800.0 MHz; Type: D5GHzV2 - SN1120

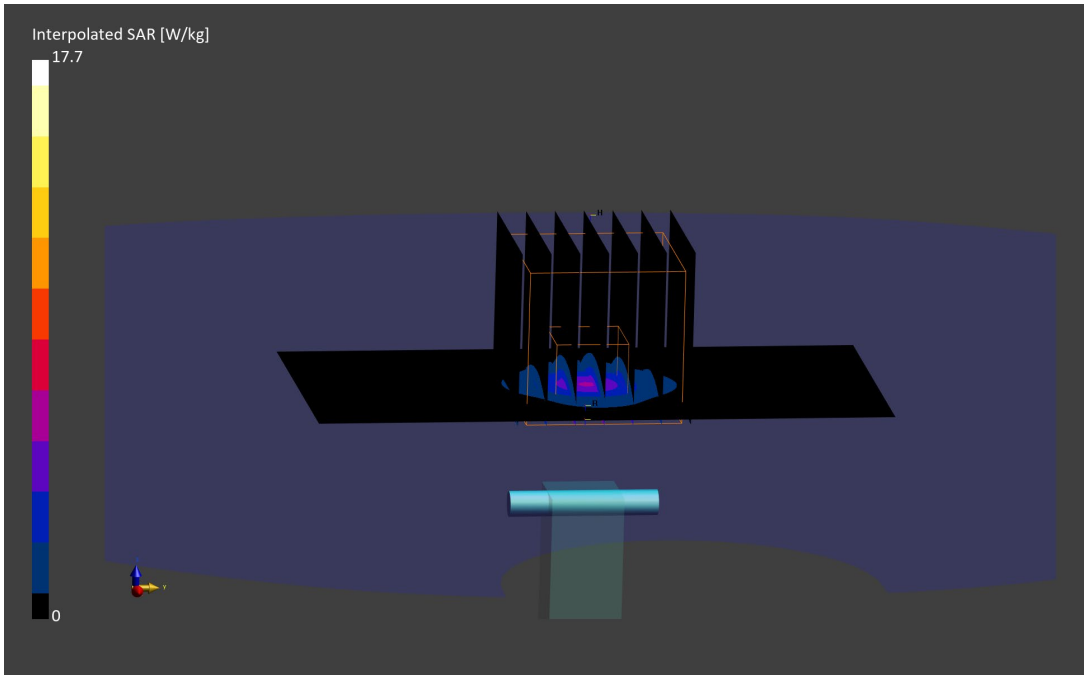
Communication System: UID: 0, CW; Frequency: 5800.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5800.0 MHz; cond = 5.25 S/m; perm = 34.0; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 06/28/2023; Ambient Temp:19.9°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7565; ConvF:(4.7,4.7,4.7); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

5800 MHz System Verification at 17 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) = 17.7 W/kg
SAR(1 g) = 3.94 W/kg; SAR(10 g) = 1.10 W/kg
Deviation (1 g) = -2.23%; Deviation (10 g) = -3.51%;



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 = 5.29 S/m; perm = 34.2; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2023; Ambient Temp: 19.5°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7565; ConvF:(4.7,4.7,4.7); Calibrated: 2023-01-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1466; Calibrated: 2023-01-20
Phantom: Twin-SAM V5.0; Serial: 1868
Measurement SW: DASY Module SAR V16.2.0.1425

5800 MHz System Verification at 17 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) = 3.85 W/kg; SAR(10 g) = 1.08 W/kg
Deviation (1 g) = -4.47%; Deviation (10 g) = -5.26%;