APPENDIX B: SYSTEM VERIFICATION

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1046

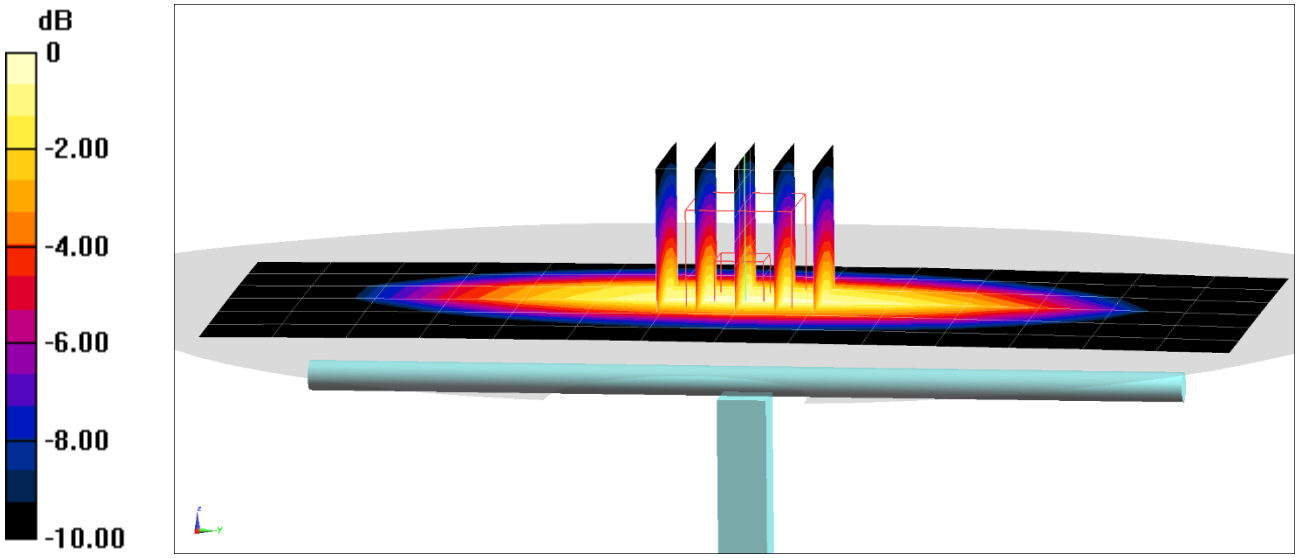
Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium: 750 Head Medium parameters used:
f = 750 MHz; σ = 0.917 S/m; ε_r = 42.593; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 11/03/2021; Ambient Temp: 21.5°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7640; ConvF(11.14, 11.14, 11.14) @ 750 MHz; Calibrated: 3/3/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021
Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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) = 2.48 W/kg
SAR(1 g) = 1.61 W/kg
Deviation(1 g) = -6.29%



0 dB = 2.17 W/kg = 3.36 dBW/kg

DUT: Dipole 835 MH; Type: D835V2; Serial: 4d119

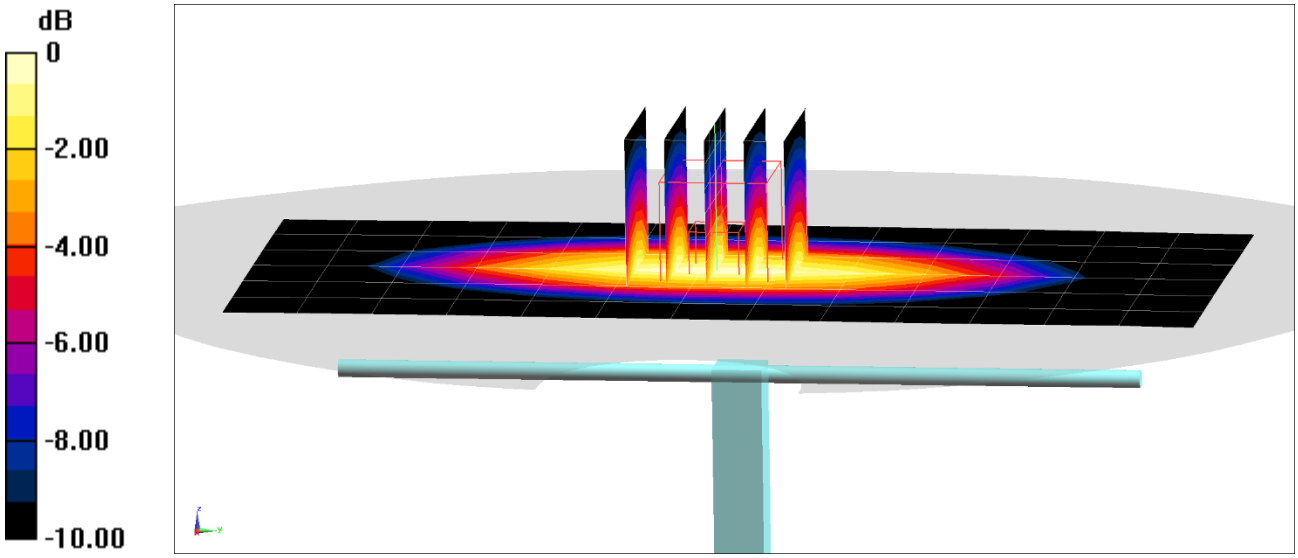
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used:
f = 835 MHz; σ = 0.937 S/m; ε_r = 42.486; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 11/01/2021; Ambient Temp: 20.5°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7640; ConvF(10.76, 10.76, 10.76) @ 835 MHz; Calibrated: 3/3/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021
Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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
Peak SAR (extrapolated) = 3.18 W/kg
SAR(1 g) = 2.04 W/kg
Deviation(1 g) = 5.81%



0 dB = 2.79 W/kg = 4.46 dBW/kg

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d119

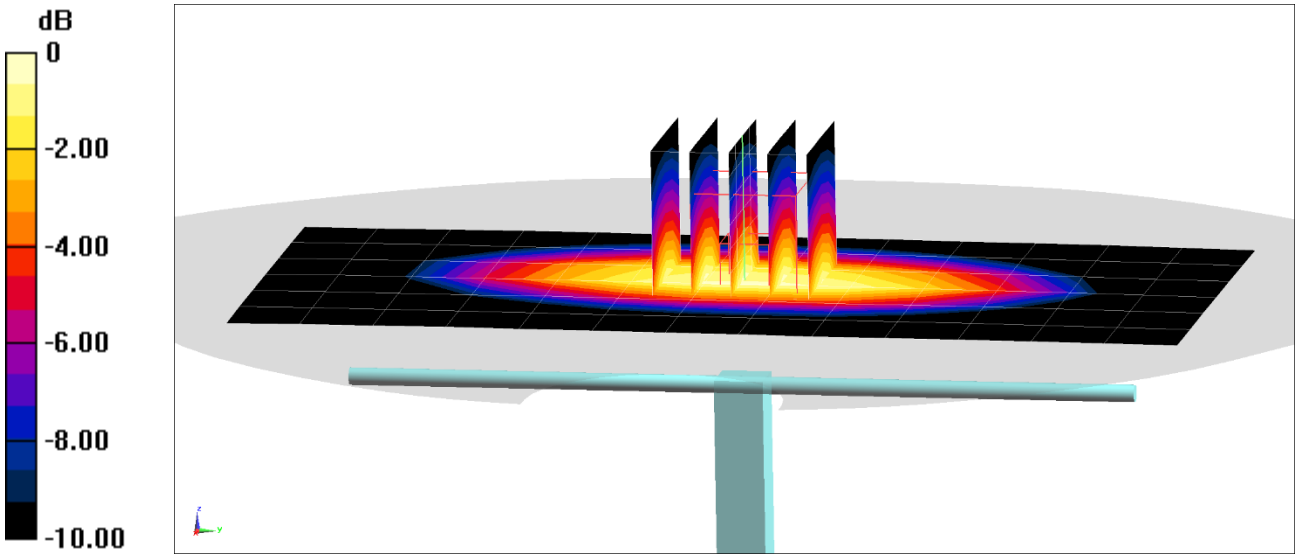
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium: 835 Head Medium parameters used:
f = 835 MHz; σ = 0.929 S/m; ε_r = 42.397; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 11/04/2021; Ambient Temp: 21.0°C; Tissue Temp: 20.0°C

Probe: EX3DV4 - SN7640; ConvF(10.76, 10.76, 10.76) @ 835 MHz; Calibrated: 3/3/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021
Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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
Peak SAR (extrapolated) = 3.09 W/kg
SAR(1 g) = 1.99 W/kg
Deviation(1 g) = 3.22%



0 dB = 2.73 W/kg = 4.36 dBW/kg

DUT: Dipole 835.0 MHz; Type: D835V2; Serial: 4d040

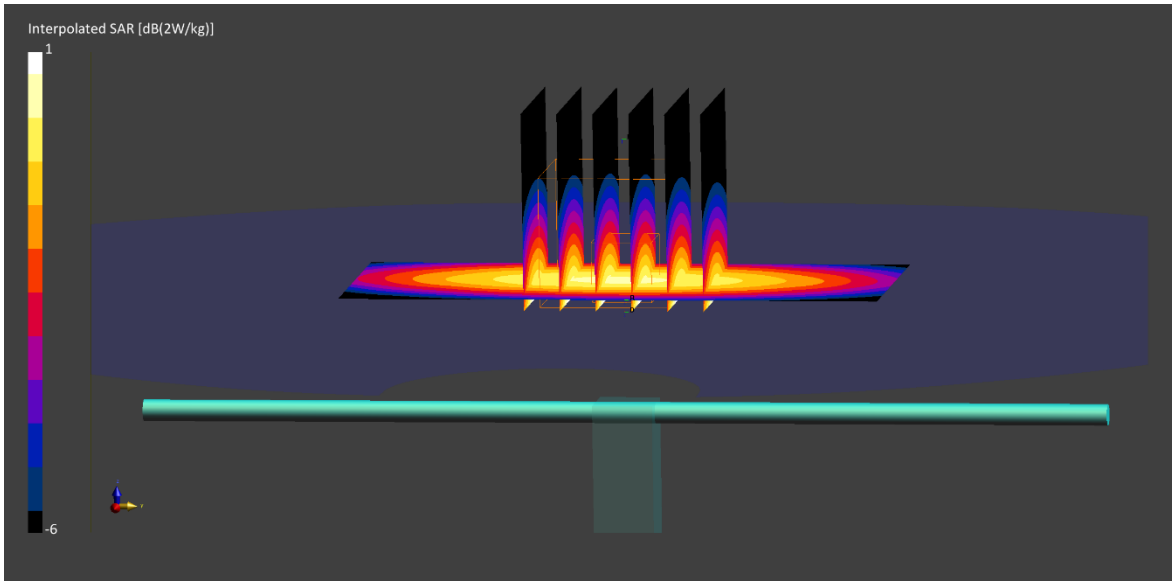
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; σ = 0.889 S/m; ε_r = 43.1; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.5 cm

Test Date: 11/15/2021; Ambient Temp: 21.9°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7427; ConvF:(9.8,9.8,9.8); Calibrated: 2021-02-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2021-02-11
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.0.0.116

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) = 2.64 W/kg
SAR(1 g) = 1.75 W/kg
Deviation (1 g) = -7.89%



DUT: Dipole 1750.0 MHz; Type: D1750V2; Serial: 1083

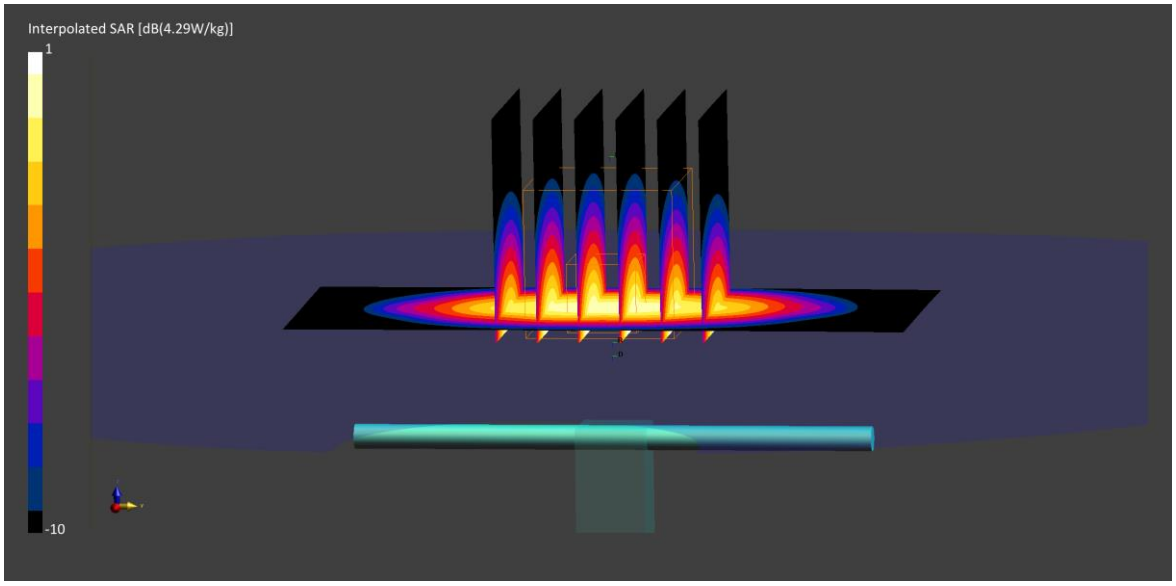
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; Σ = 1.34 S/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/08/2021; Ambient Temp: 20.9°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7532; ConvF:(8.61,8.61,8.61); Calibrated: 2021-04-19
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn501; Calibrated: 2021-04-13
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.0.0.116

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) = 6.43 W/kg
SAR (1 g) = 3.43 W/kg
Deviation (1 g) = -4.99%



DUT: Dipole 1750.0 MHz; Type: D1750V2; Serial: 1083

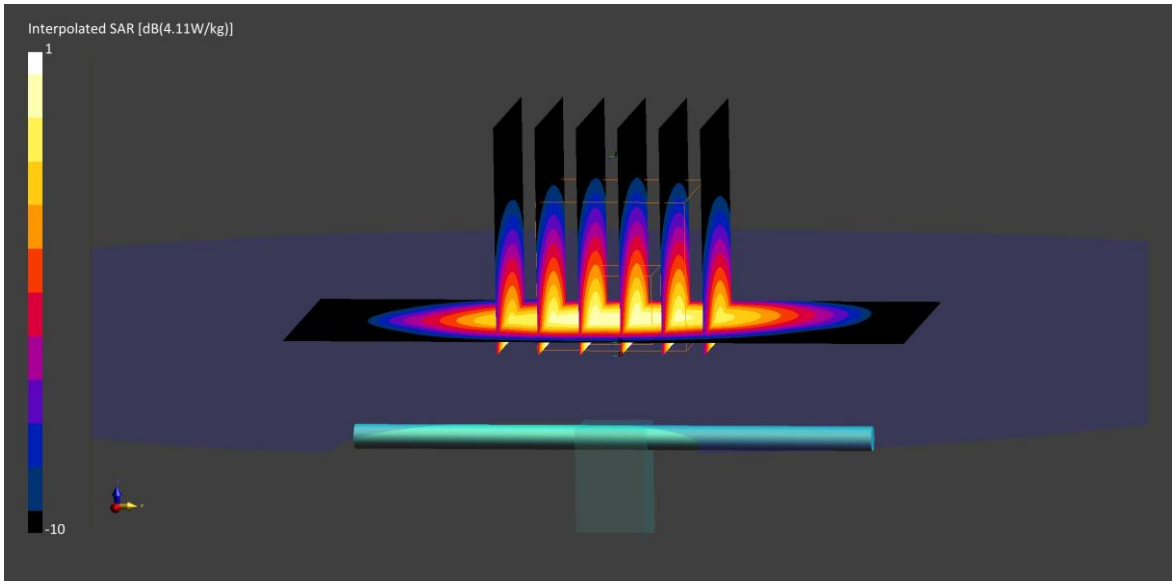
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; σ = 1.33 S/m; ε_r = 39.0; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/18/2021; Ambient Temp: 21.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7427; ConvF:(8.59,8.59,8.59); Calibrated: 2021-02-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2021-02-11
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.0.0.116

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) = 6.26 W/kg
SAR(1 g) = 3.45 W/kg
Deviation (1 g) = -4.43%



DUT: Dipole 1750.0 MHz; Type: D1750V2; Serial: 1083

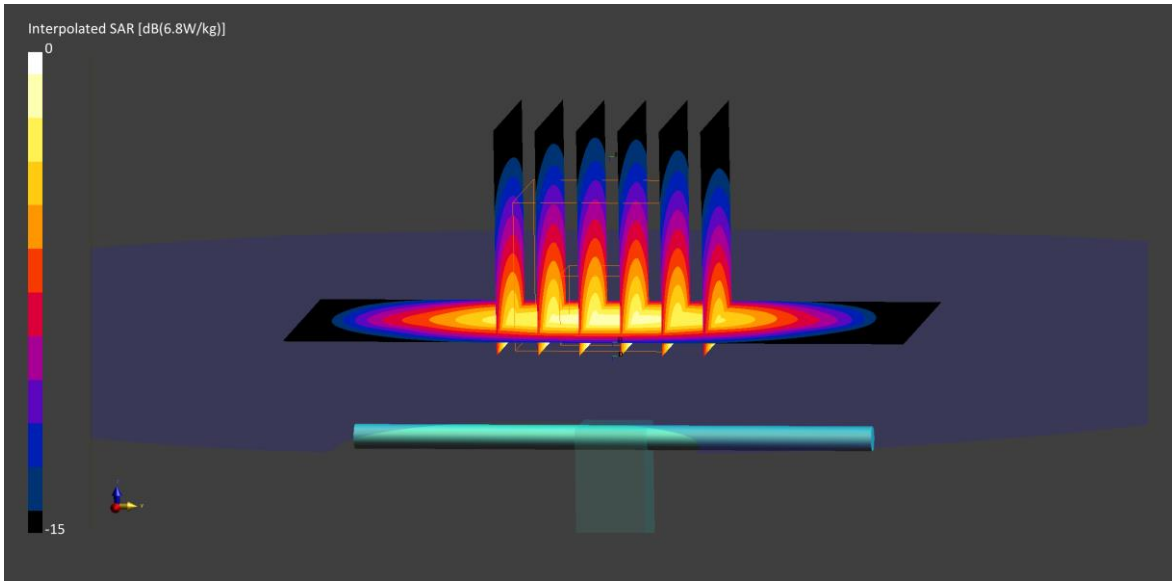
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; σ = 1.35 S/m; ε_r = 39.3; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/22/2021; Ambient Temp: 20.3°C; Tissue Temp: 20.3°C

Probe: EX3DV4 - SN7546; ConvF:(8.44,8.44,8.44); Calibrated: 2021-07-21
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1402; Calibrated: 2021-07-14
Phantom: Twin-SAM V8.0; Serial: 1936
Measurement SW: DASY Module SAR V16.0.0.116

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) = 3.57 W/kg
Deviation (1 g) = -1.11%



DUT: Dipole 1750.0 MHz; Type: D1750V2; Serial: 1148

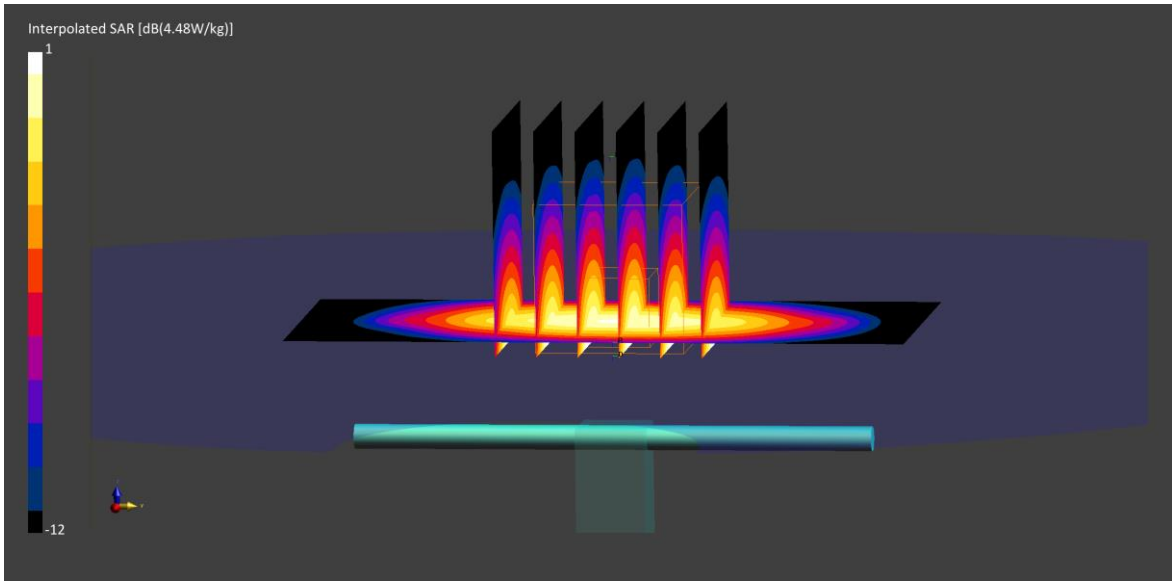
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; σ = 1.39 S/m; ε_r = 39.7; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 12/07/2021; Ambient Temp: 22.5°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7406; ConvF:(8.26,8.26,8.26); Calibrated: 2021-07-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1676; Calibrated: 2021-06-21
Phantom: Twin-SAM V8.0; Serial: 2058
Measurement SW: DASY Module SAR V16.0.0.65

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) = 6.91 W/kg
SAR(1 g) = 3.61 W/kg
Deviation (1 g) = 0.56%



DUT: Dipole 1900.0 MHz; Type: D1900V2; Serial: 5d030

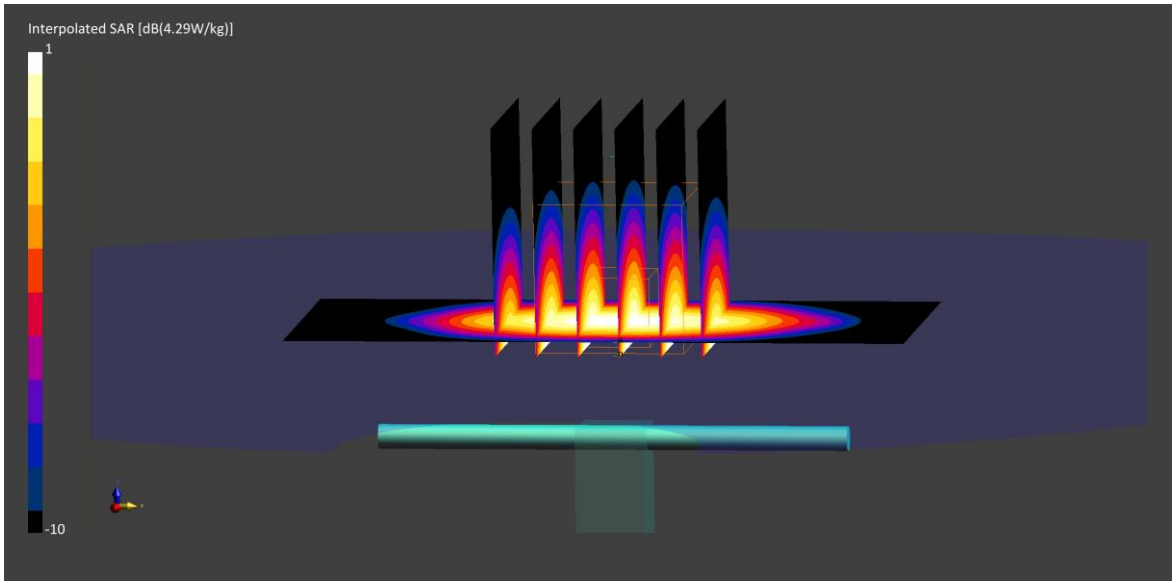
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; Σ = 1.43 S/m; ε_r = 38.6; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/08/2021; Ambient Temp: 20.9°C; Tissue Temp: 19.9°C

Probe: EX3DV4 - SN7532; ConvF:(8.25,8.25,8.25); Calibrated: 2021-04-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn501; Calibrated: 2021-04-13
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.0.0.116

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) = 4.04 W/kg
Deviation (1 g) = 1.25%



DUT: Dipole 1900.0 MHz; Type: D1900V2; Serial: 5d149

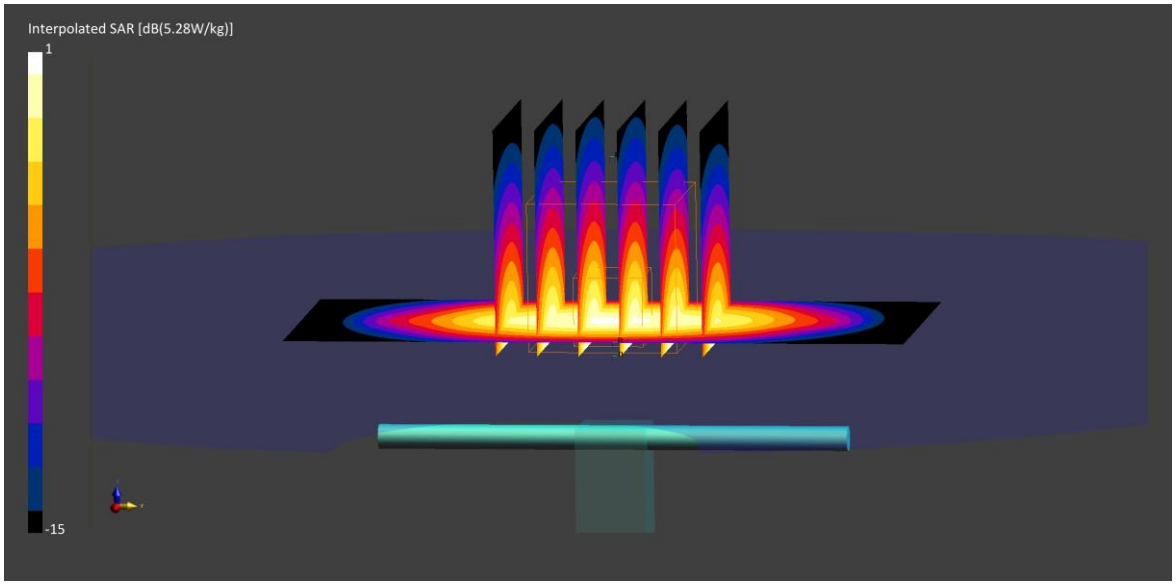
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; σ = 1.39 S/m; ε_r = 39.6; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 12/06/2021; Ambient Temp: 22.9°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7406; ConvF:(7.98,7.98,7.98); Calibrated: 2021-07-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1676; Calibrated: 2021-06-21
Phantom: Twin-SAM V8.0; Serial: 2058
Measurement SW: DASY Module SAR V16.0.0.65

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) = 8.22 W/kg
SAR(1 g) = 4.23 W/kg
Deviation (1 g) =4.44%



DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 750

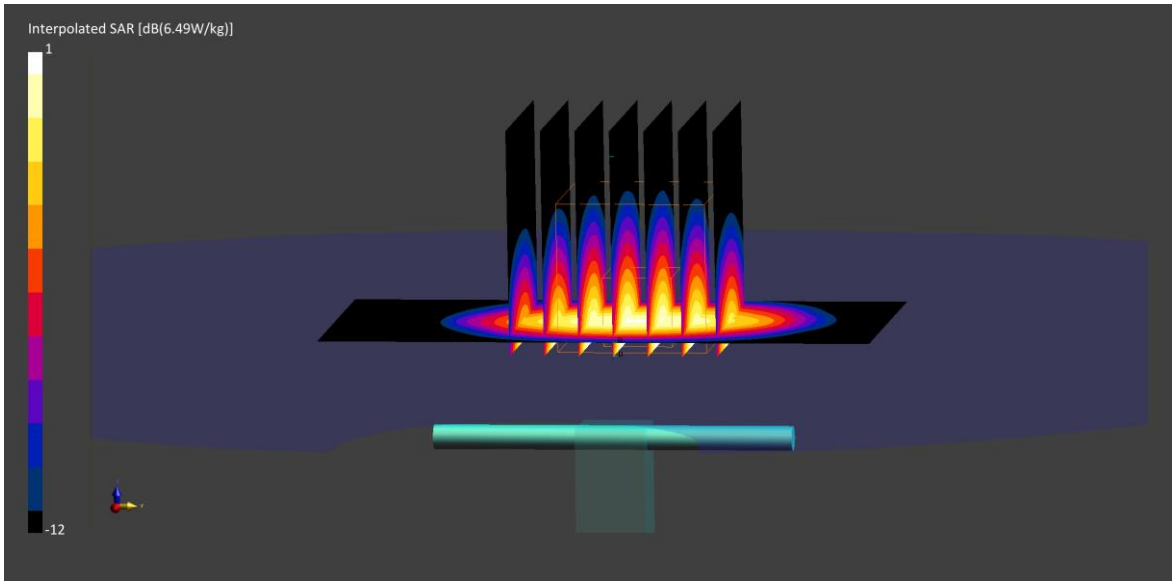
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; σ = 1.86 S/m; ε_r = 38.0; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/15/2021; Ambient Temp: 23.1°C; Tissue Temp: 24.0°C

Probe: EX3DV4 - SN3949; ConvF:(7.81,7.81,7.81); Calibrated: 2021-08-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1408; Calibrated: 2021-08-11
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.0.0.116

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) = 10.7 W/kg
SAR(1 g) = 5.14 W/kg
Deviation (1 g) = -3.20%



DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 750

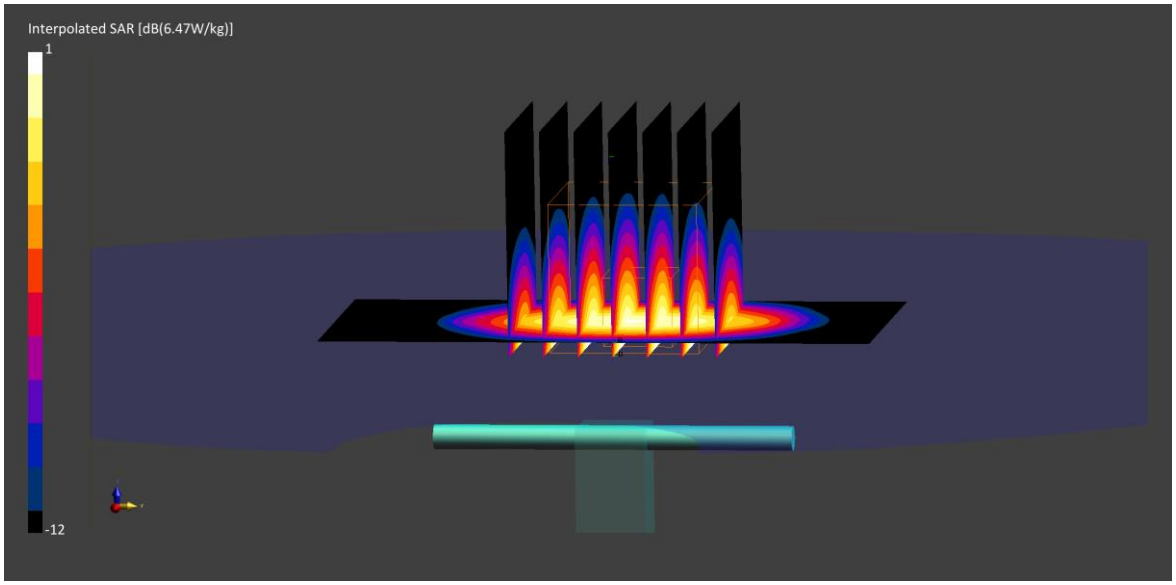
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; σ = 1.85 S/m; ε_r = 38.8; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/19/2021; Ambient Temp: 23.5°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN3949; ConvF:(7.81,7.81,7.81); Calibrated: 2021-08-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1408; Calibrated: 2021-08-11
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.0.0.116

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) = 10.5 W/kg
SAR(1 g) = 5.03 W/kg
Deviation (1 g) = -5.27%



DUT: Dipole 2600.0 MHz; Type: D2600V2; Serial: 1042

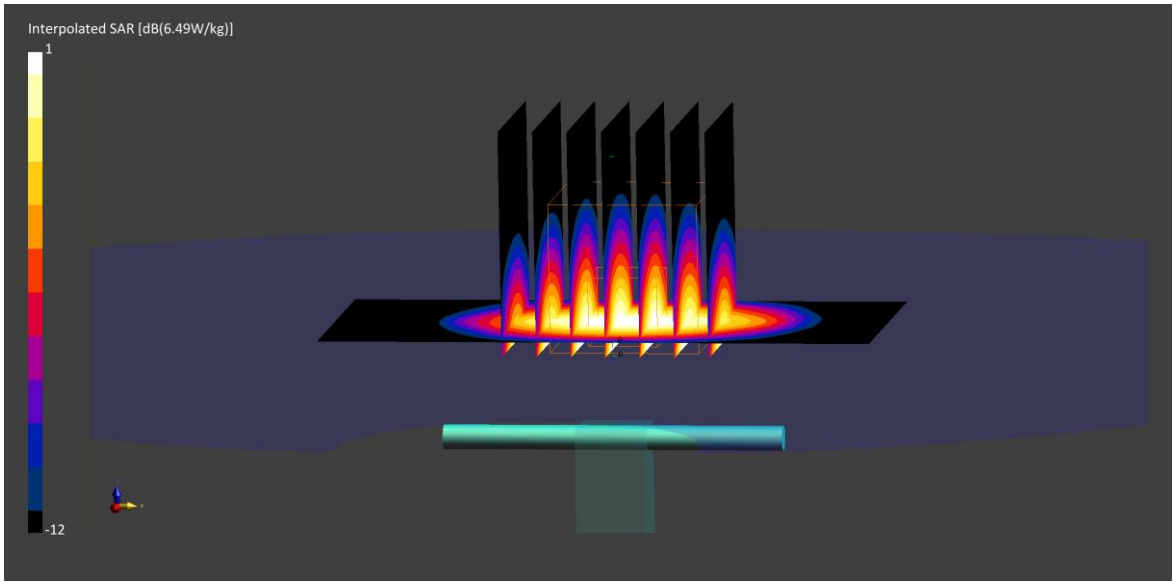
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; σ = 2.03 S/m; ε_r = 37.4; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/15/2021; Ambient Temp: 23.1°C; Tissue Temp: 24.0°C

Probe: EX3DV4 - SN3949; ConvF:(7.58,7.58,7.58); Calibrated: 2021-08-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1408; Calibrated: 2021-08-11
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.0.0.116

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) = 13.2 W/kg
SAR(1 g) = 6.00 W/kg
Deviation (1 g) = 3.99%



DUT: Dipole 5250.0 MHz; Type: D5GHzV2; Serial: 1123

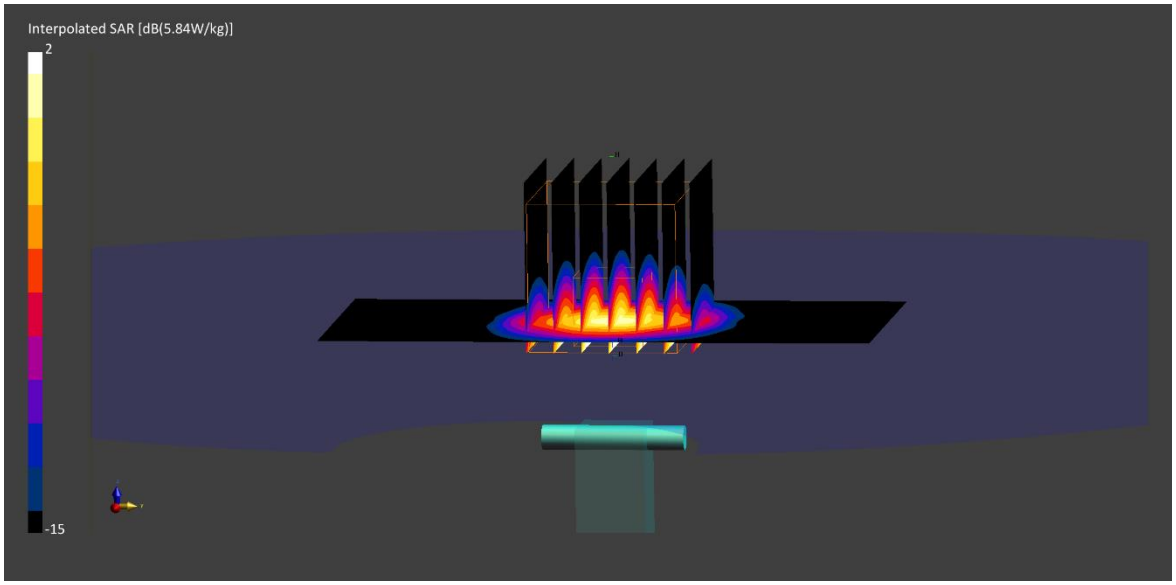
Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; σ = 4.68 S/m; ε_r = 35.7; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/22/2021; Ambient Temp: 20.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7532; ConvF:(5.18,5.18,5.18); Calibrated: 2021-04-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn501; Calibrated: 2021-04-13
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.0.0.116

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) = 14.7 W/kg
SAR(1 g) = 3.90 W/kg
Deviation (1 g) = -5.11%



DUT: Dipole 5600.0 MHz; Type: D5GHzV2; Serial: 1123

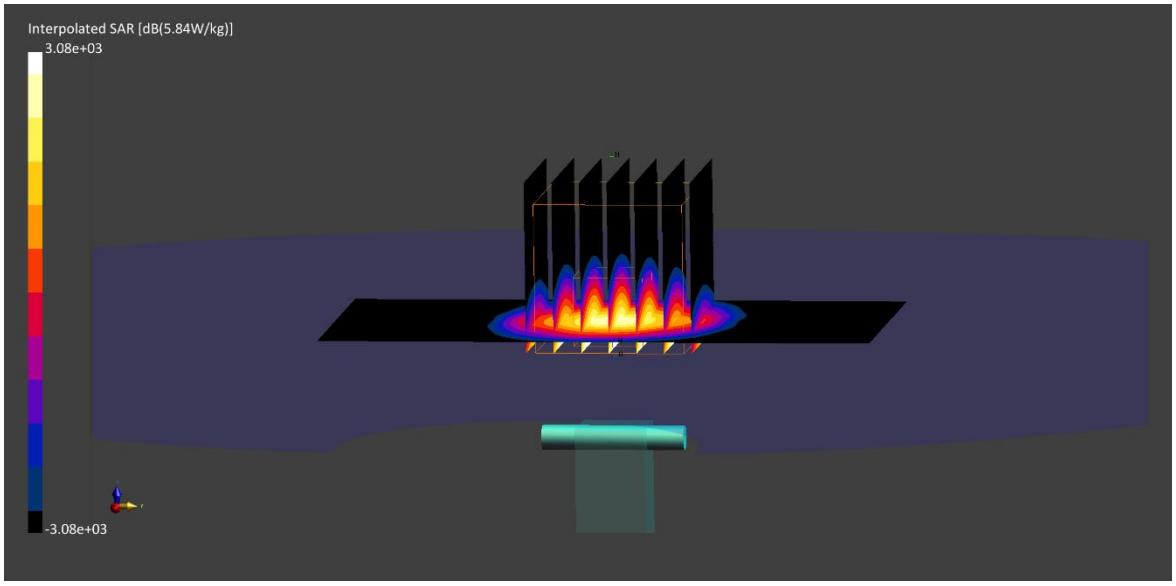
Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; σ = 5.07 S/m; ε_r = 35.0; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/22/2021; Ambient Temp: 20.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7532; ConvF:(4.54,4.54,4.54); Calibrated: 2021-04-19
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn501; Calibrated: 2021-04-13
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.0.0.116

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) = 17.0 W/kg
SAR(1 g) = 4.22 W/kg
Deviation (1 g) = -0.12%



DUT: Dipole 5750.0 MHz; Type: D5GHzV2; Serial: 1123

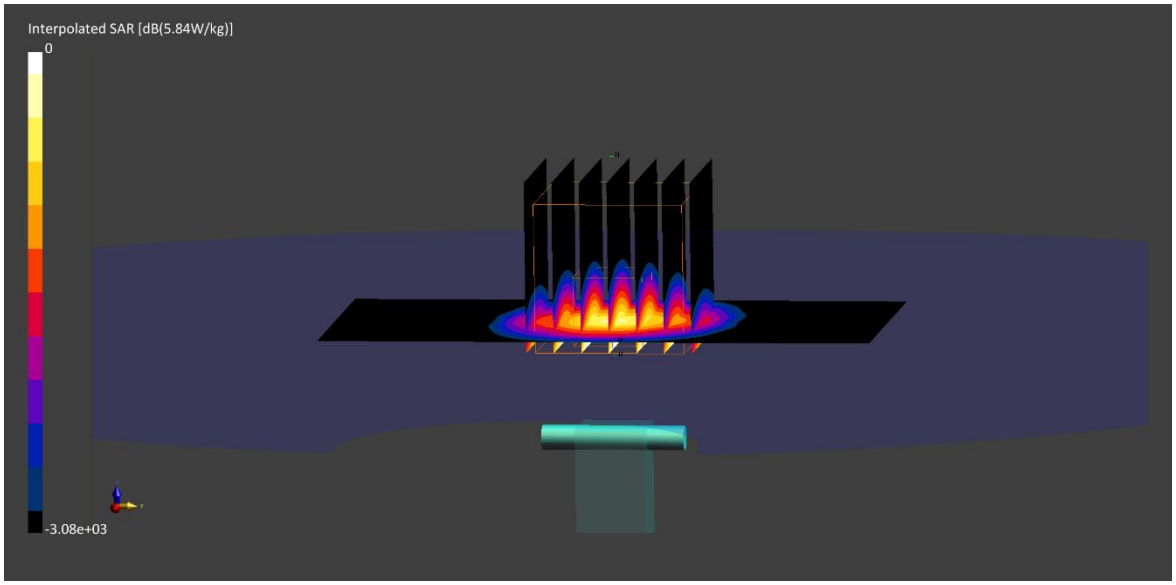
Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; σ = 5.25 S/m; ε_r = 34.8; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/22/2021; Ambient Temp: 20.9°C; Tissue Temp: 20.1°C

Probe: EX3DV4 - SN7532; ConvF:(4.71,4.71,4.71); Calibrated: 2021-04-19
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn501; Calibrated: 2021-04-13
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.0.0.116

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) = 17.1 W/kg
SAR(1 g) = 3.95 W/kg
Deviation (1 g) = -2.83%



DUT: Dipole 5800.0 MHz; Type: D5GHzV2; Serial: 1191

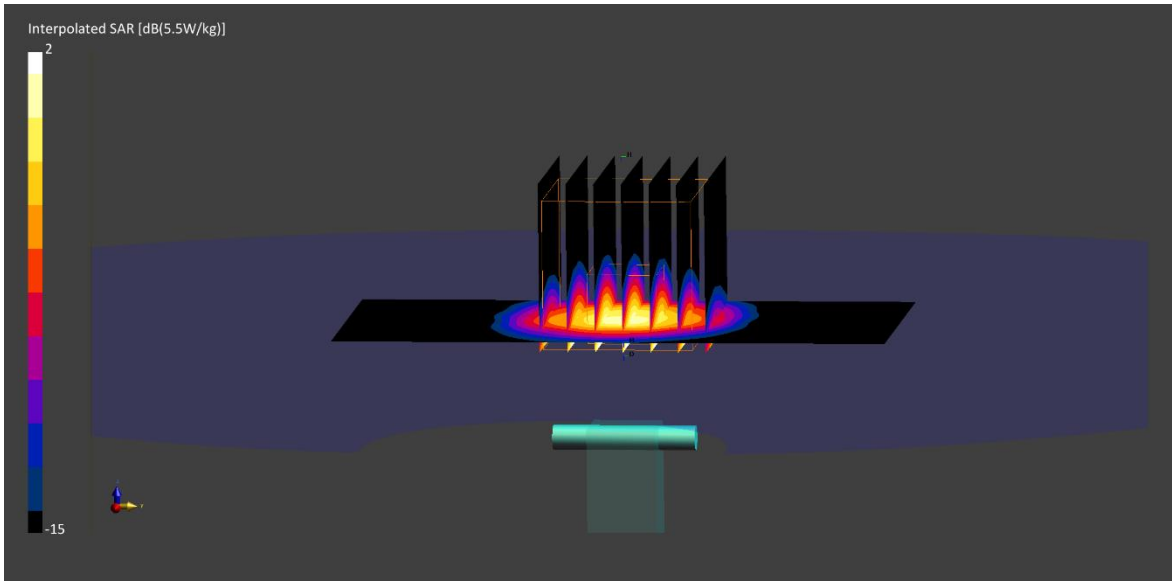
Communication System: UID: 0, CW; Frequency: 5800.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5800.0 MHz; σ = 5.29 S/m; ε_r = 34.8; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 12/06/2021; Ambient Temp: 22.5°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7552; ConvF:(4.58,4.58,4.58); Calibrated: 2021-09-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2021-06-22
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.0.0.65

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) = 17.1 W/kg
SAR(1 g) = 4.02 W/kg
Deviation (1 g) = 1.52%



DUT: Dipole 750 MHz; Type: D750V3; Serial:1034

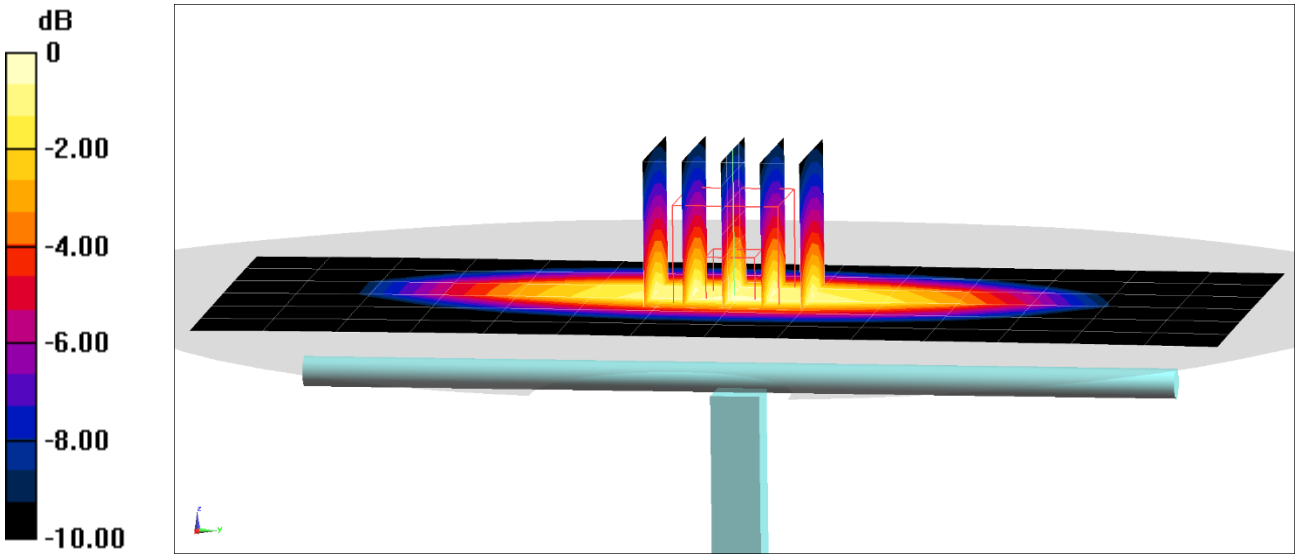
Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium: 750 Body Medium parameters used:
f = 750 MHz; σ = 0.96 S/m; ε_r = 54.934; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 11/04/2021; Ambient Temp: 20.7°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7558; ConvF(10.38, 10.38, 10.38) @ 750 MHz; Calibrated: 9/17/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1364; Calibrated: 9/13/2021
Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
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) = 2.49 W/kg
SAR(1 g) = 1.66 W/kg
Deviation(1 g) = -6.85%



0 dB = 2.21 W/kg = 3.44 dBW/kg

DUT: Dipole 750 MHz; Type: D750V3; Serial: 1046

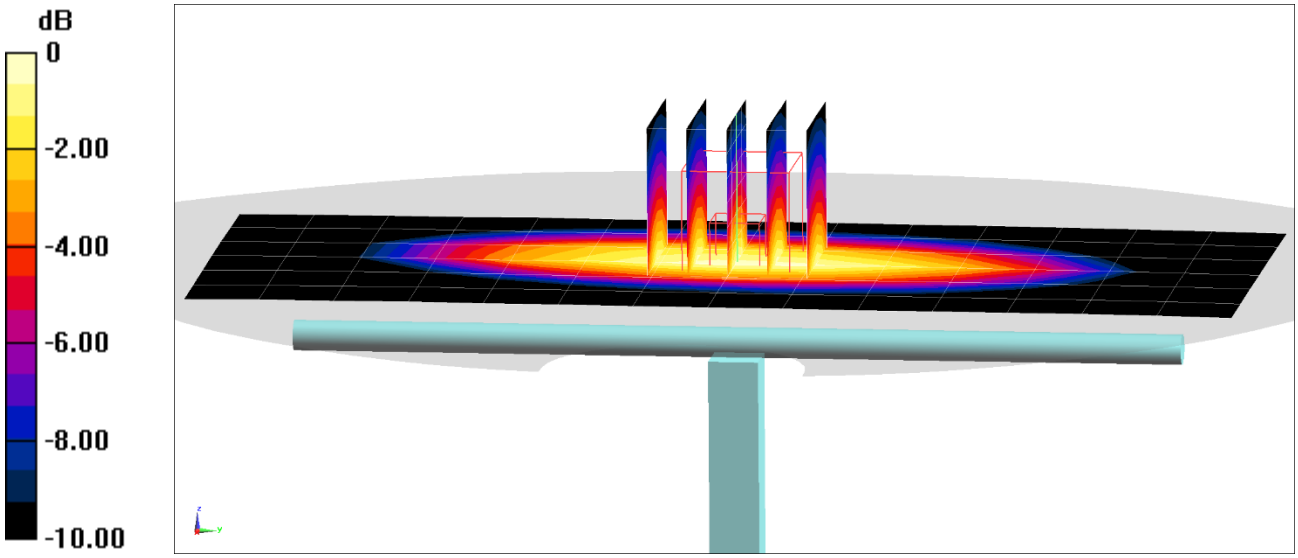
Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium: 750 Body Medium parameters used:
f = 750 MHz; σ = 0.964 S/m; ε_r = 54.187; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 11/08/2021; Ambient Temp: 24.0°C; Tissue Temp:20.3 °C

Probe: EX3DV4 - SN7640; ConvF(11.2, 11.2, 11.2) @ 750 MHz; Calibrated: 3/3/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021
Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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) = 2.84 W/kg
SAR(1 g) = 1.74 W/kg
Deviation(1 g) = -1.02%



0 dB = 2.43 W/kg = 3.86 dBW/kg

DUT: Dipole 835 MHz D835V2; Serial: 4d180

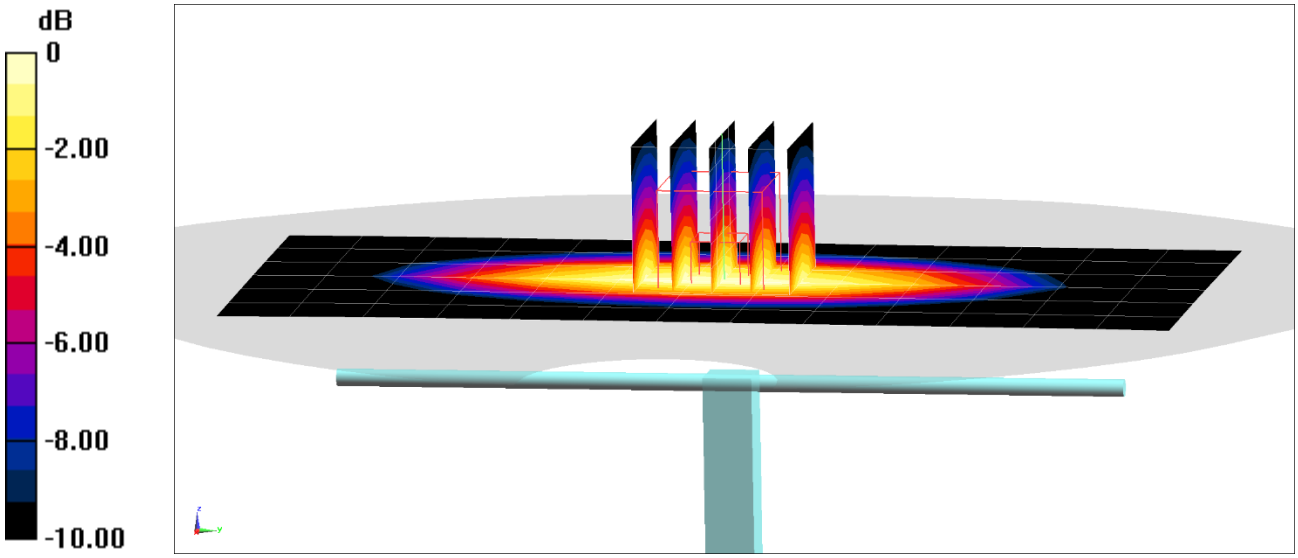
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used:
f = 835 MHz; σ = 1.018 S/m; ε_r = 52.803; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 11/01/2021; Ambient Temp: 22.9°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7558; ConvF(10.14, 10.14, 10.14) @ 835 MHz; Calibrated: 9/17/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1364; Calibrated: 9/13/2021
Phantom: Twin-SAM V5.0 (30); Type: QD 000 P40 CD; Serial: 1626
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
Peak SAR (extrapolated) = 3.18 W/kg
SAR(1 g) = 2.01 W/kg
Deviation(1 g) = 3.93%



0 dB = 2.76 W/kg = 4.41 dBW/kg

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d119

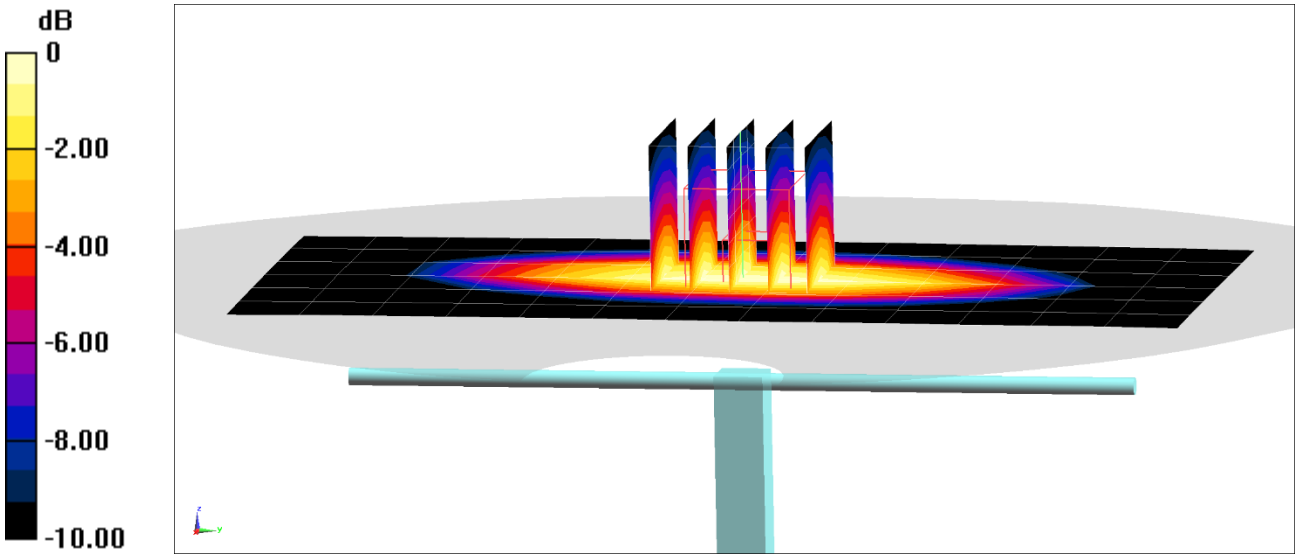
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used:
f = 835 MHz; σ = 1.01 S/m; ε_r = 54.725; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 11/09/2021; Ambient Temp: 22.6°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7640; ConvF(10.71, 10.71, 10.71) @ 835 MHz; Calibrated: 3/3/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1645; Calibrated: 1/11/2021
Phantom: Twin-SAM V8.0 (30); Type: QD 000 P41 AA; Serial: 1937
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

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
Peak SAR (extrapolated) = 3.17 W/kg
SAR(1 g) = 2.09 W/kg
Deviation(1 g) = 5.56%



0 dB = 2.79 W/kg = 4.46 dBW/kg

DUT: Dipole 850.0 MHz; Type: D850V2; Serial: 1010

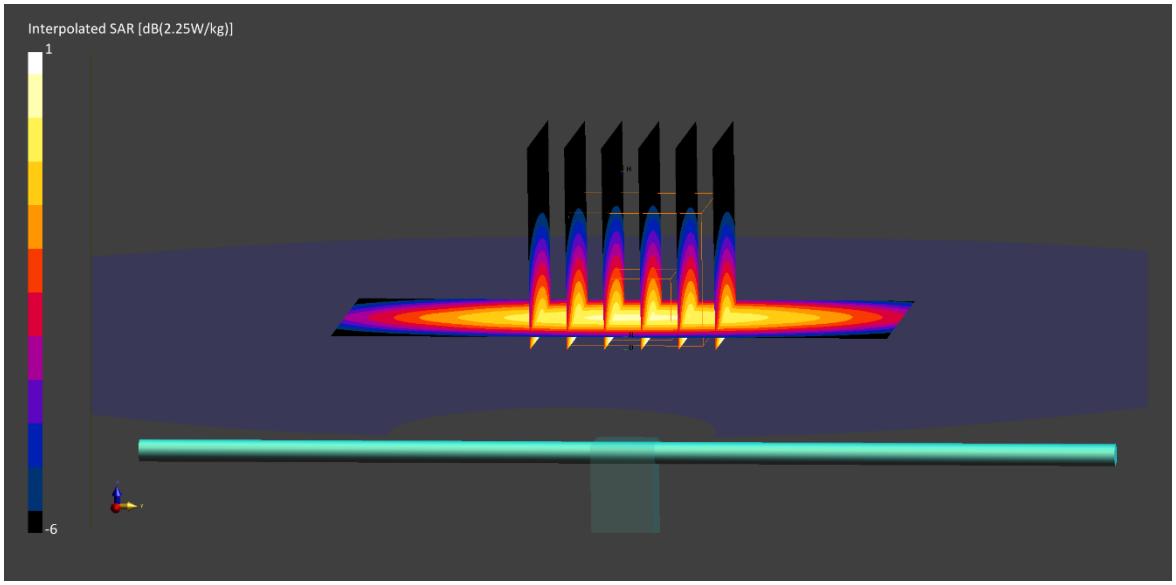
Communication System: UID: 0, CW; Frequency: 850.0 MHz
Medium: 835 Body; Medium parameters used:
f = 850.0 MHz; σ = 0.969 S/m; ε_r = 52.8; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.5 cm

Test Date: 11/29/2021; Ambient Temp: 19.6°C; Tissue Temp: 18.5°C

Probe: EX3DV4 - SN3949; ConvF:(10.18,10.18,10.18); Calibrated: 2021-08-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1408; Calibrated: 2021-08-11
Phantom: Twin-SAM V8.0; Serial: 2027
Measurement SW: DASY Module SAR V16.0.0.116

850 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) = 2.94 W/kg
SAR(1 g) = 1.97 W/kg
Deviation (1 g) = -1.20%



DUT: Dipole 1750.0 MHz; Type: D1750V2; Serial: 1083

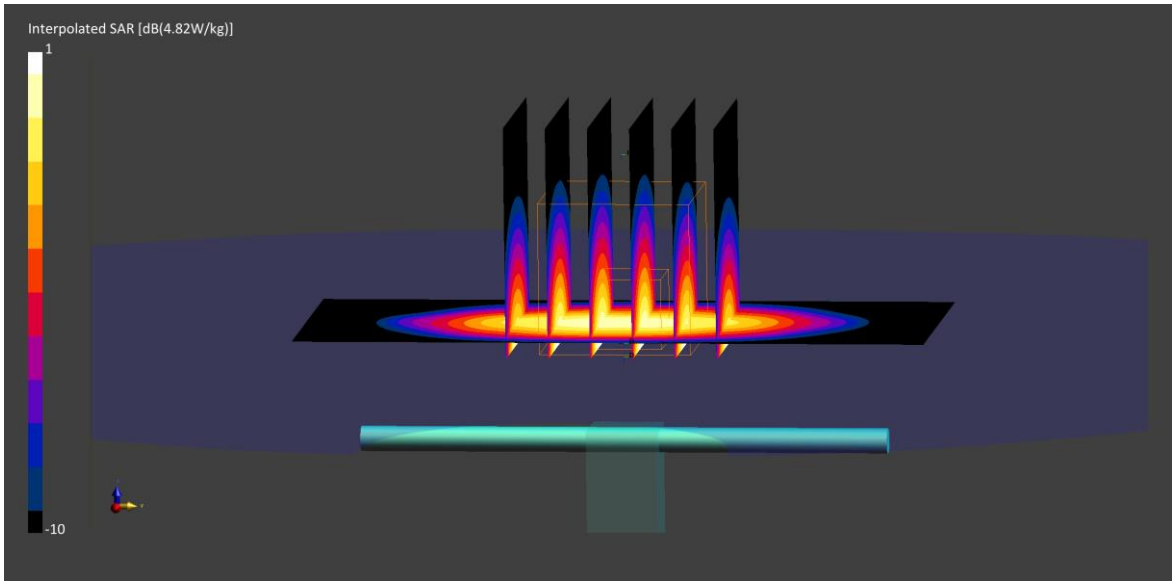
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1750.0 MHz; σ = 1.43 S/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/29/2021; Ambient Temp: 21.4°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7416; ConvF:(7.7,7.7,7.7); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.0.0.116

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) = 6.47 W/kg
SAR(1 g) = 3.81 W/kg
Deviation (1 g) = 2.70%



DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1150

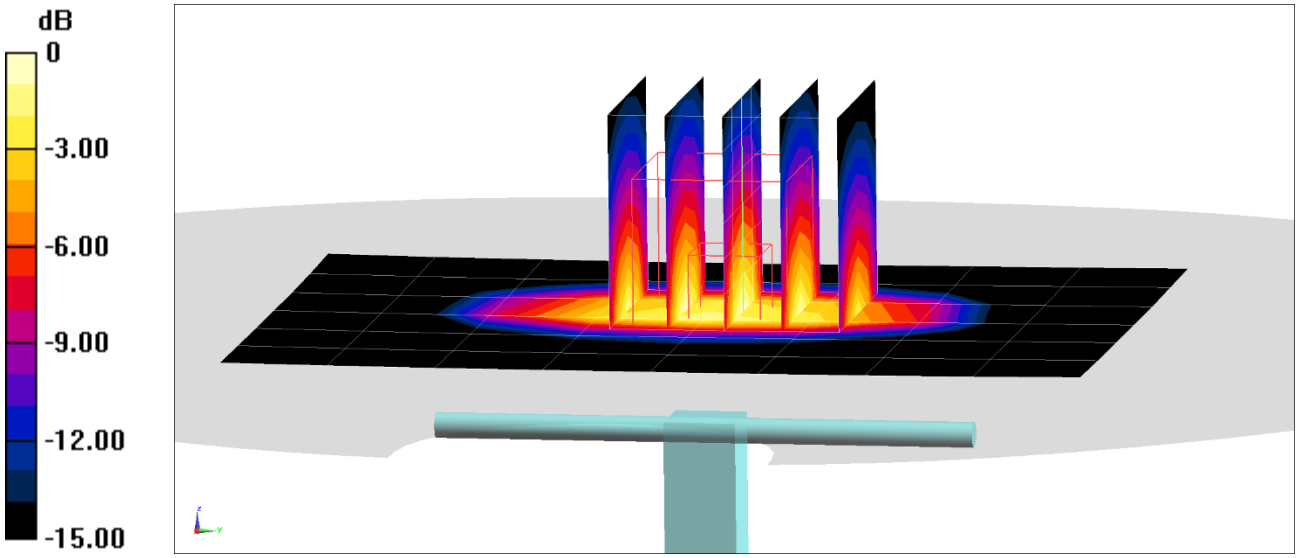
Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium: 1750 Body Medium parameters used:
f = 1750 MHz; σ = 1.474 S/m; ε_r = 53.323; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 12/06/2021; Ambient Temp: 22.4°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7357; ConvF(8.12, 8.12, 8.12) @ 1750 MHz; Calibrated: 4/19/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1407; Calibrated: 4/7/2021
Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1686
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

1750 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 7.07 W/kg
SAR(1 g) = 3.91 W/kg; SAR(10 g) = 2.08 W/kg
Deviation(1 g) = 3.44%; Deviation(10 g) = 4.00%



0 dB = 6.00 W/kg = 7.78 dBW/kg

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1148

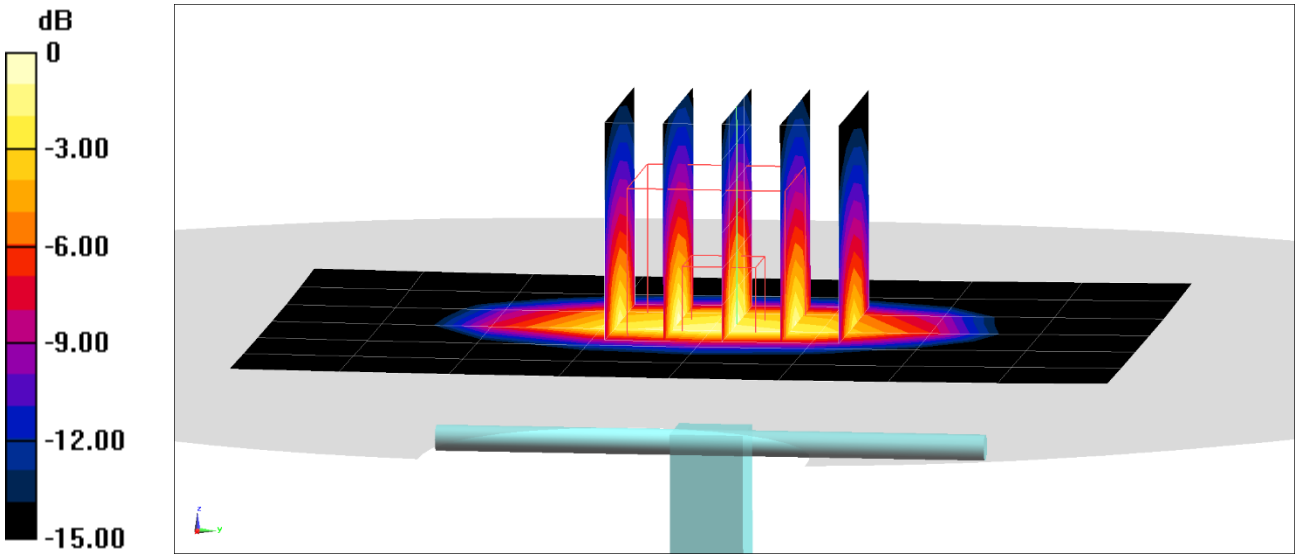
Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium: 1750 Body Medium parameters used:
f = 1750 MHz; σ = 1.473 S/m; ε_r = 53.465; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 12/09/2021; Ambient Temp: 23.2°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7357; ConvF(8.12, 8.12, 8.12) @ 1750 MHz; Calibrated: 4/19/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1407; Calibrated: 4/7/2021
Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1686
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

1750 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 6.85 W/kg
SAR(1 g) = 3.78 W/kg
Deviation(1 g) = 4.13%



0 dB = 5.78 W/kg = 7.62 dBW/kg

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1150

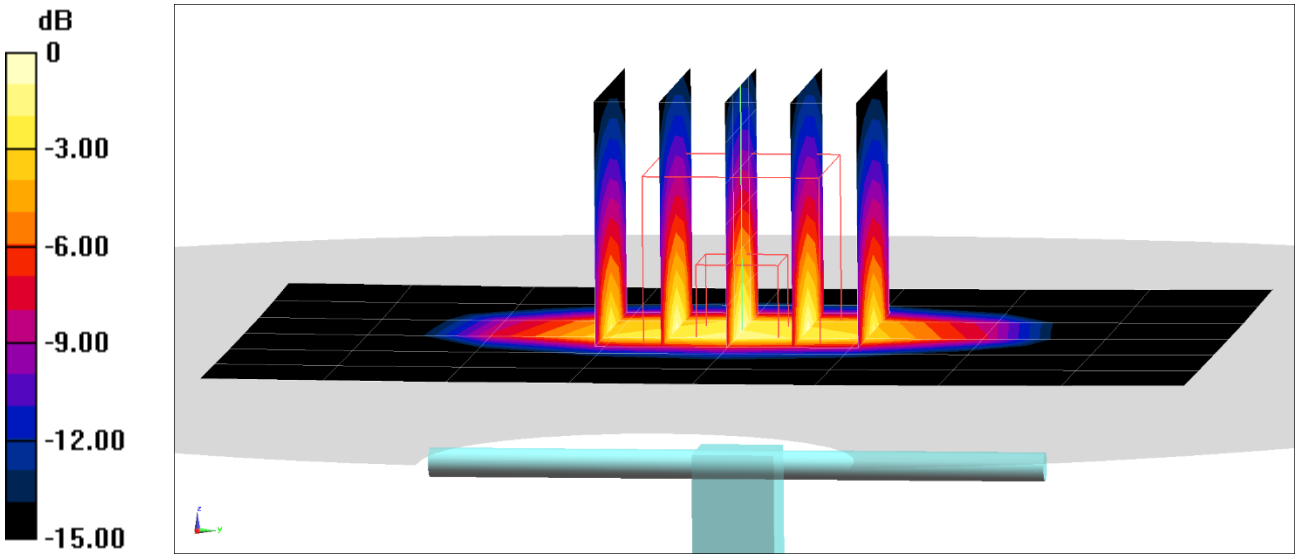
Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium: 1750 Body Medium parameters used:
f = 1750 MHz; σ = 1.463 S/m; ε_r = 52.542; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 12/12/2021; Ambient Temp: 22.2°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7357; ConvF(8.12, 8.12, 8.12) @ 1750 MHz; Calibrated: 4/19/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1407; Calibrated: 4/7/2021
Phantom: Twin-SAM V5.0 Front (20); Type: QD 000 P40 CD; Serial: 1686
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

1750 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 6.69 W/kg
SAR(10 g) = 1.99 W/kg
Deviation(10 g) = -0.50%



0 dB = 5.72 W/kg = 7.57 dBW/kg

DUT: Dipole 1750.0 MHz; Type: D1750V2; Serial: 1150

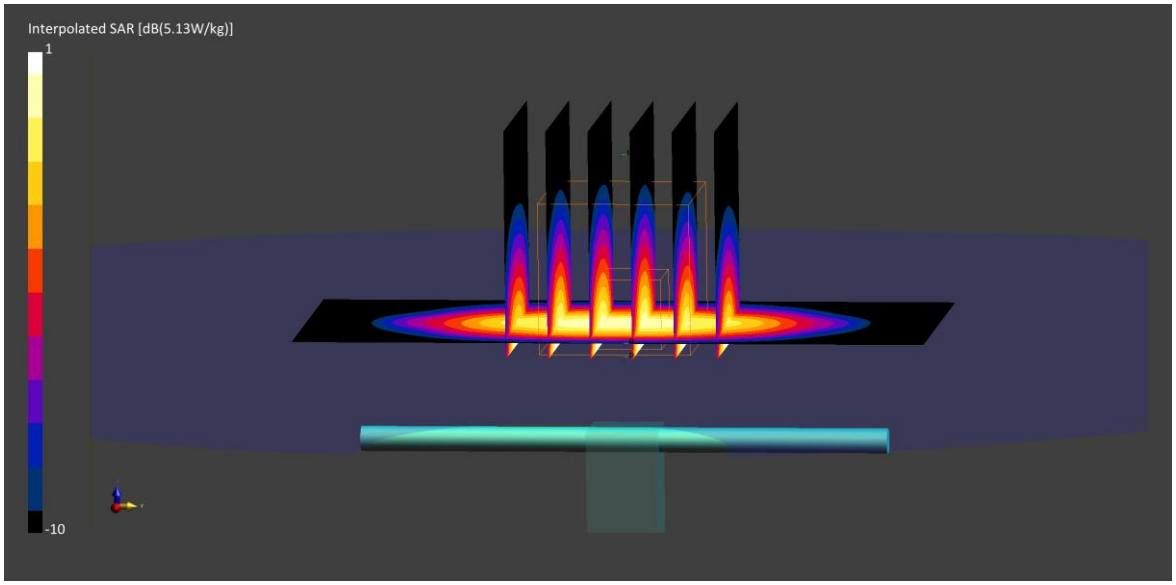
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1750.0 MHz; σ = 1.53 S/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 12/13/2021; Ambient Temp: 21.9°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN3589; ConvF:(7.0,7.0,7.0); Calibrated: 2021-01-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1558; Calibrated: 2021-01-13
Phantom: Twin-SAM V5.0; Serial: 1687
Measurement SW: DASY Module SAR V16.0.0.116

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) = 7.46 W/kg
SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.12 W/kg
Deviation (1 g) = 6.08%; Deviation (10 g) = 6.00%



DUT: Dipole 1900.0 MHz; Type: D1900V2; Serial: 5d030

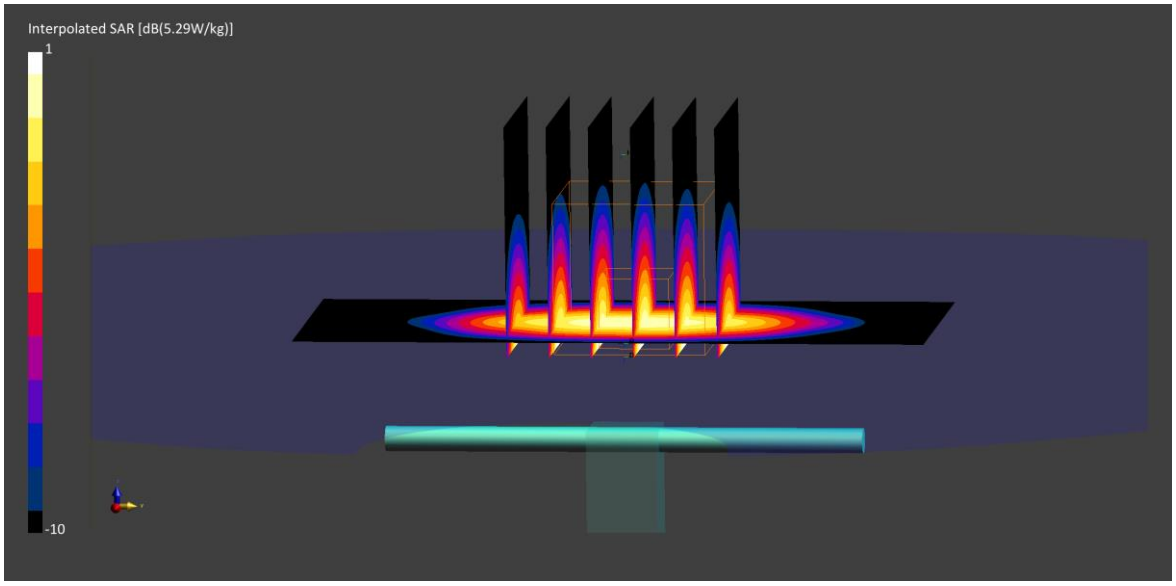
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1900.0 MHz; σ = 1.57 S/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/16/2021; Ambient Temp: 22.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7416; ConvF:(7.56,7.56,7.56); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.0.0.116

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) = 7.49 W/kg
SAR(1 g) = 4.17 W/kg
Deviation (1 g) = 4.51%



DUT: Dipole 1900.0 MHz; Type: D1900V2; Serial: 5d030

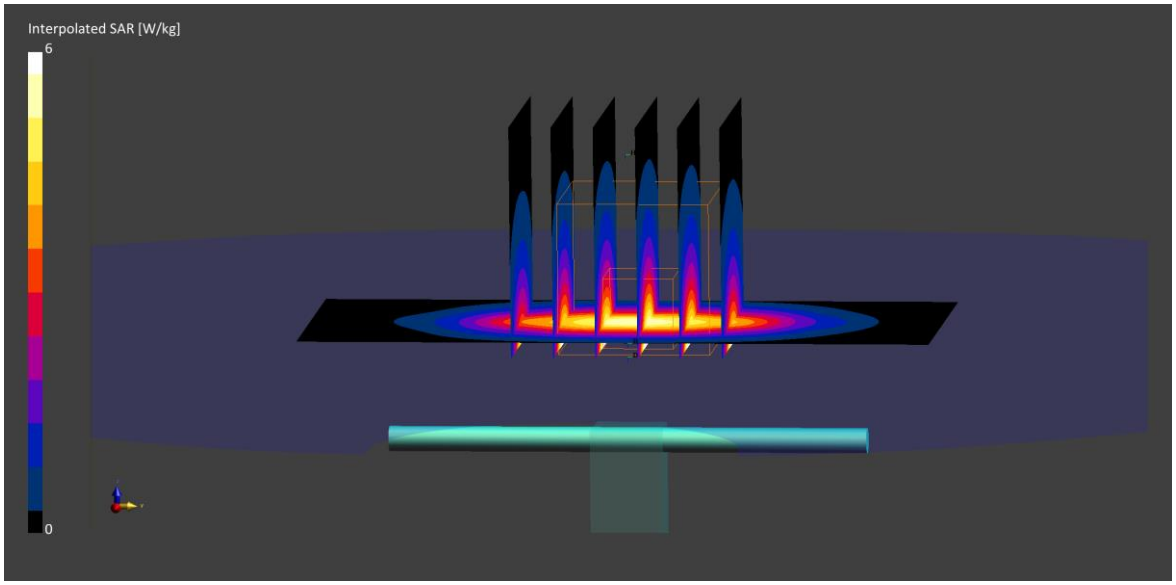
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1900.0 MHz; σ = 1.49 S/m; ε_r = 53.2; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/29/2021; Ambient Temp: 22.7°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN7421; ConvF:(7.72,7.72,7.72); Calibrated: 2021-03-17
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn604; Calibrated: 2021-08-02
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.0.0.116

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) = 7.52 W/kg
SAR(1 g) = 3.92 W/kg
Deviation (1 g) = -1.75%



DUT: Dipole 1900.0 MHz; Type: D1900V2; Serial: 5d030

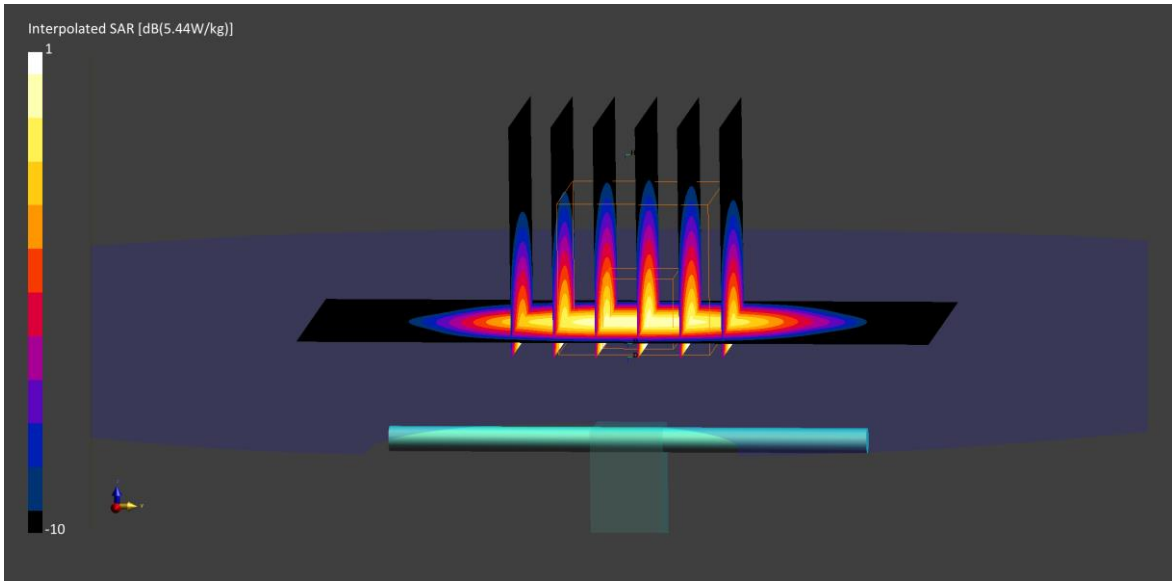
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1900.0 MHz; σ = 1.53 S/m; ε_r = 52.0; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/29/2021; Ambient Temp: 21.4°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7416; ConvF:(7.56,7.56,7.56); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.0.0.116

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) = 7.53 W/kg
SAR(10 g) = 2.22 W/kg
Deviation (10 g) = 5.21%



DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d148

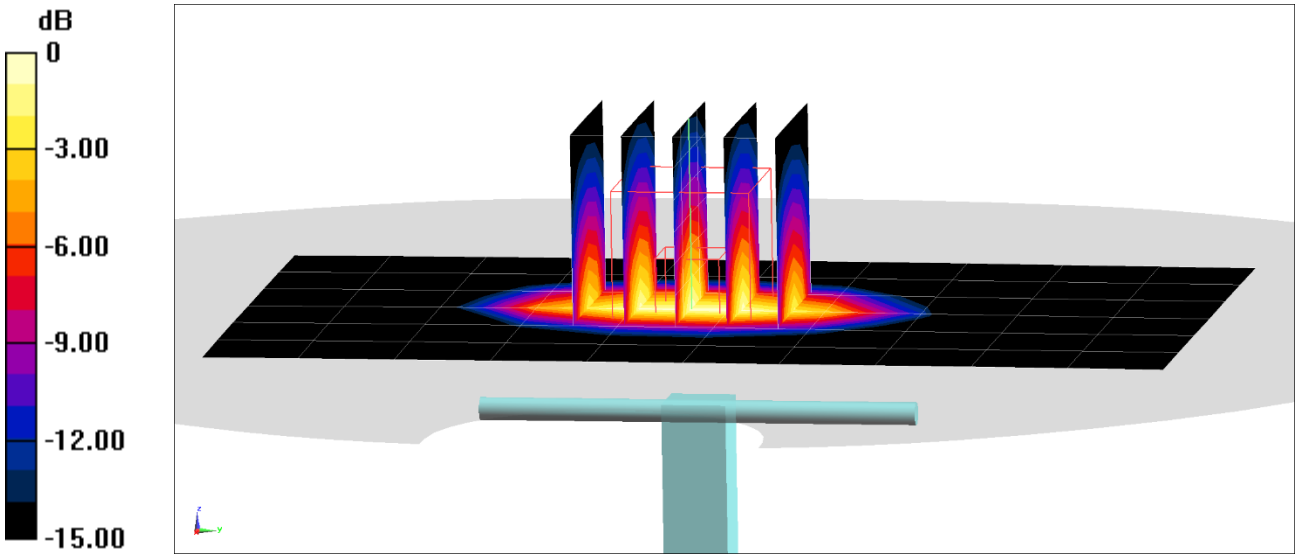
Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used:
f = 1900 MHz; σ = 1.548 S/m; ε_r = 52.695; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 12/02/2021; Ambient Temp: 23.3°C; Tissue Temp: 22.7°C

Probe: EX3DV4 - SN7410; ConvF(7.7, 7.7, 7.7) @ 1900 MHz; Calibrated: 7/20/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1583; Calibrated: 7/13/2021
Phantom: Twin-SAM V5.0 (Front); Type: QD 000 P40 CD; Serial: 1792
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

1900 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 7.51 W/kg
SAR(1 g) = 4.13 W/kg
Deviation(1 g) = 5.63%



0 dB = 6.39 W/kg = 8.06 dBW/kg

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d148

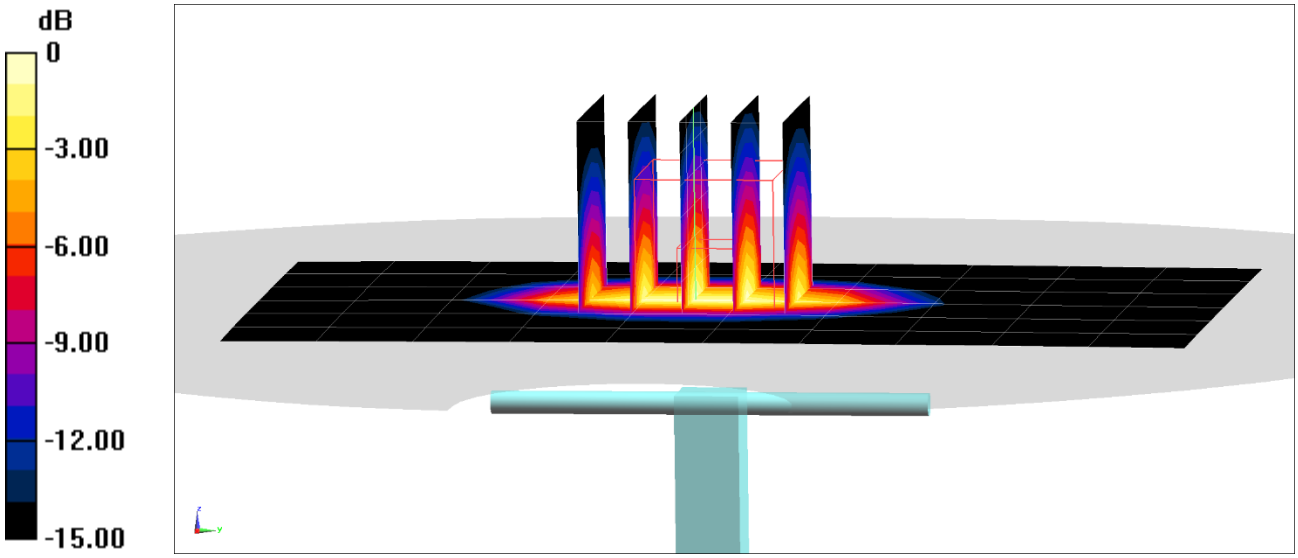
Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used:
f = 1900 MHz; σ = 1.569 S/m; ε_r = 51.879; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 12/06/2021; Ambient Temp: 23.3°C; Tissue Temp: 22.9°C

Probe: EX3DV4 - SN7410; ConvF(7.7, 7.7, 7.7) @ 1900 MHz; Calibrated: 7/20/2021
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1583; Calibrated: 7/13/2021
Phantom: Twin-SAM V5.0 (Front); Type: QD 000 P40 CD; Serial: 1792
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7495)

1900 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 7.75 W/kg
SAR(1 g) = 4.19 W/kg; SAR(10 g) = 2.14 W/kg
Deviation(1 g) = 7.16%; Deviation(10 g) = 4.39%



0 dB = 6.44 W/kg = 8.09 dBW/kg

DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 750

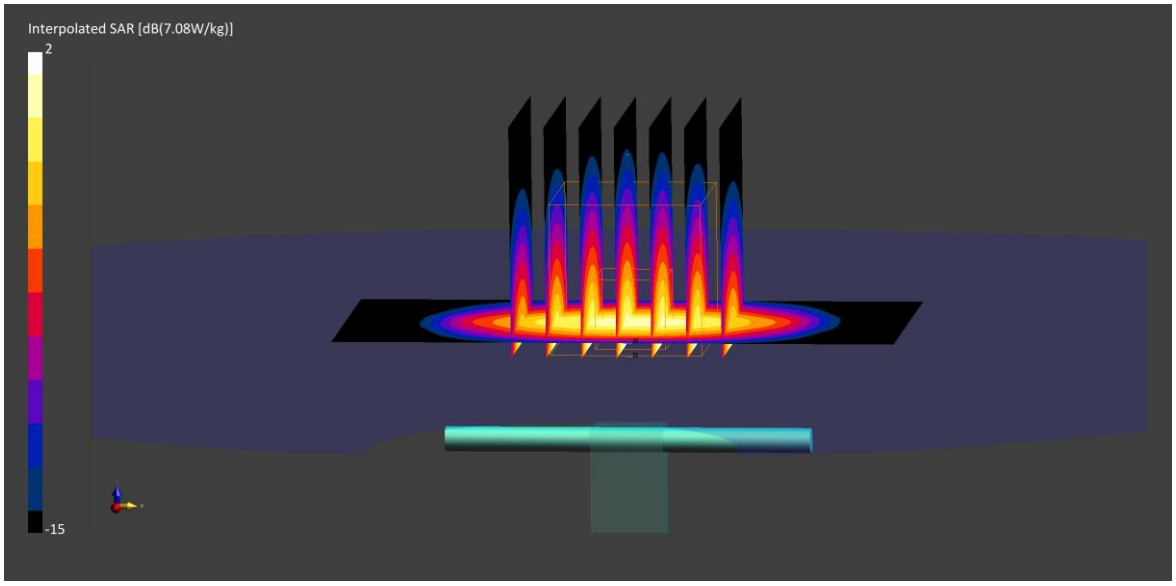
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2450.0 MHz; σ = 2.00 S/m; ε_r = 52.1; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/01/2021; Ambient Temp: 22.9°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN7416; ConvF:(7.36,7.36,7.36); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.0.0.116

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) = 10.4 W/kg
SAR(1 g) = 5.29 W/kg
Deviation (1 g) = 3.73%



DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 750

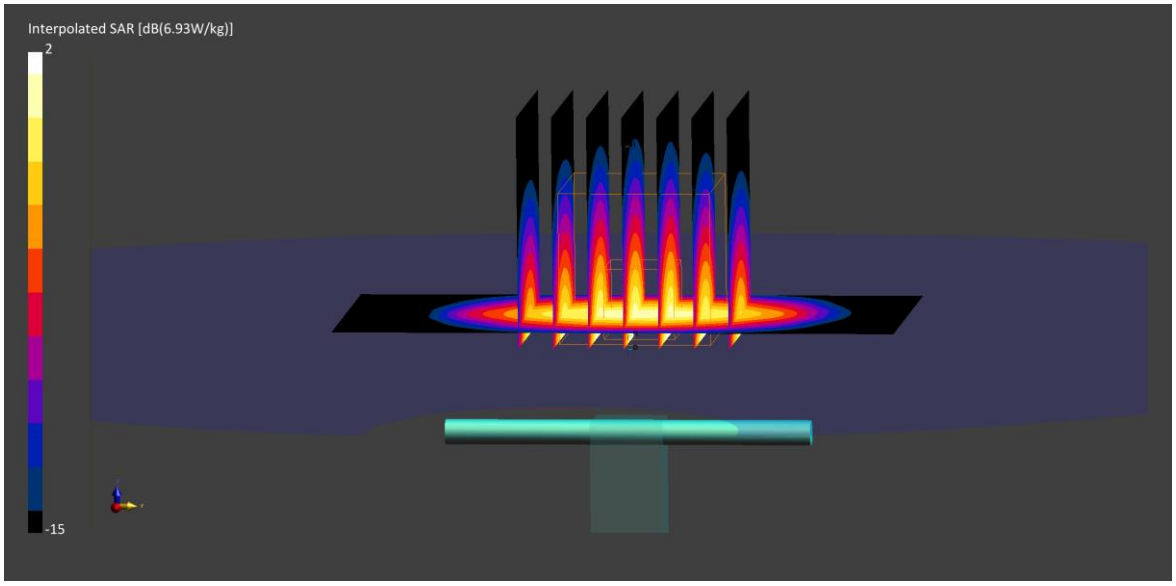
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2450.0 MHz; σ = 2.01 S/m; ε_r = 52.9; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/03/2021; Ambient Temp: 23.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7416; ConvF:(7.36,7.36,7.36); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.0.0.116

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) = 10.6 W/kg
SAR(1 g) = 5.32 W/kg
Deviation (1 g) = 4.31%



DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 750

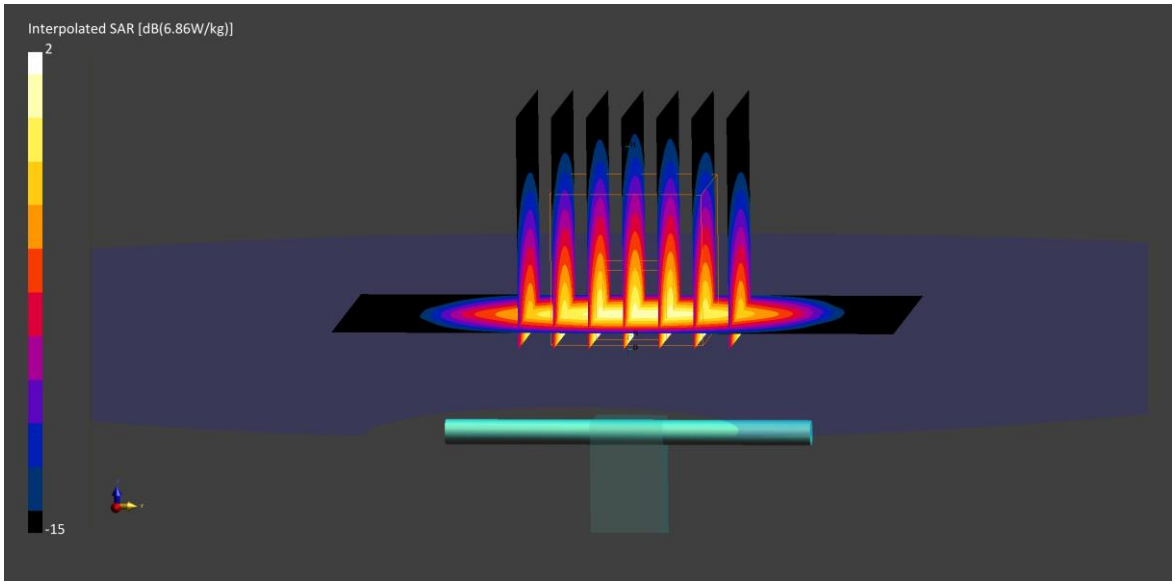
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2450.0 MHz; σ = 2.00 S/m; ε_r = 52.2; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/10/2021; Ambient Temp: 23.0°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7416; ConvF:(7.36,7.36,7.36); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.0.0.116

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) = 10.4 W/kg
SAR(1 g) = 5.23 W/kg
Deviation (1 g) = 2.55%



DUT: Dipole 2450.0 MHz; Type: D2450V2; Serial: 750

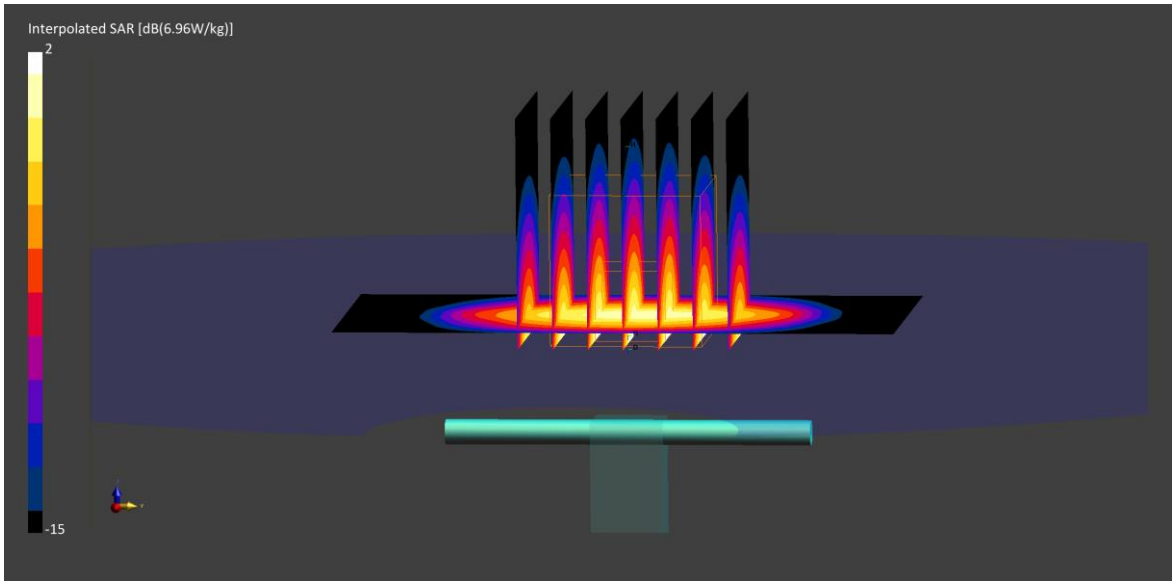
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2450.0 MHz; σ = 2.02 S/m; ε_r = 53.0; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/12/2021; Ambient Temp: 23.3°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN7416; ConvF:(7.36,7.36,7.36); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.0.0.116

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) = 10.5 W/kg
SAR(10 g) = 2.43 W/kg
Deviation (10 g) = 0.83%



DUT: Dipole 2600.0 MHz; Type: D2600V2; Serial: 1042

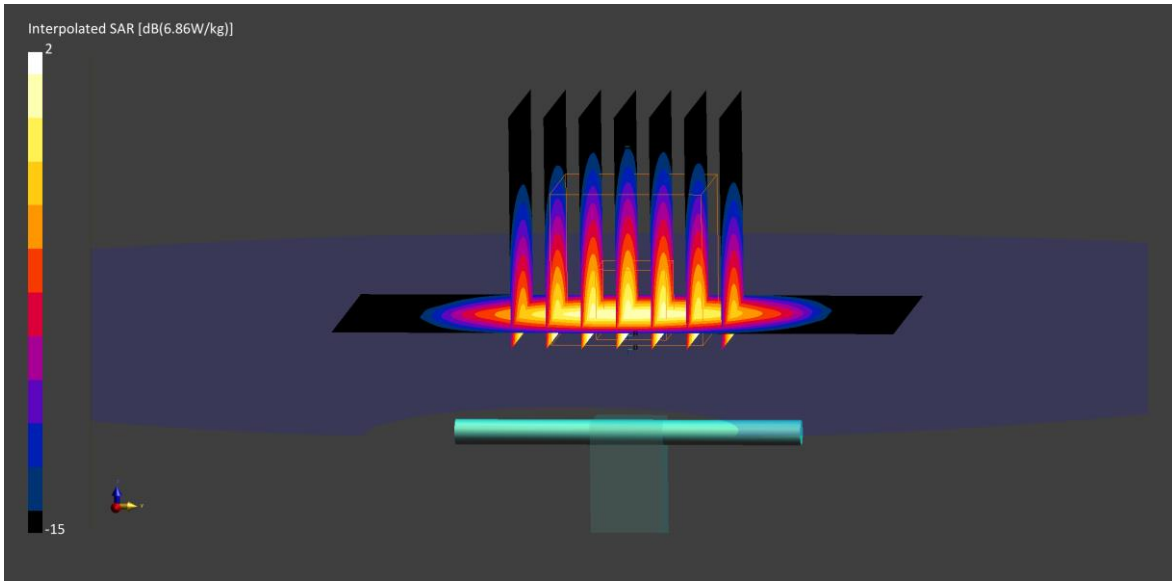
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2600.0 MHz; σ = 2.20 S/m; ε_r = 51.7; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/10/2021; Ambient Temp: 23.0°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7416; ConvF:(7.2,7.2,7.2); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.0.0.116

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) = 5.65 W/kg
Deviation (1 g) = 2.36%



DUT: Dipole 2600.0 MHz; Type: D2600V2; Serial: 1042

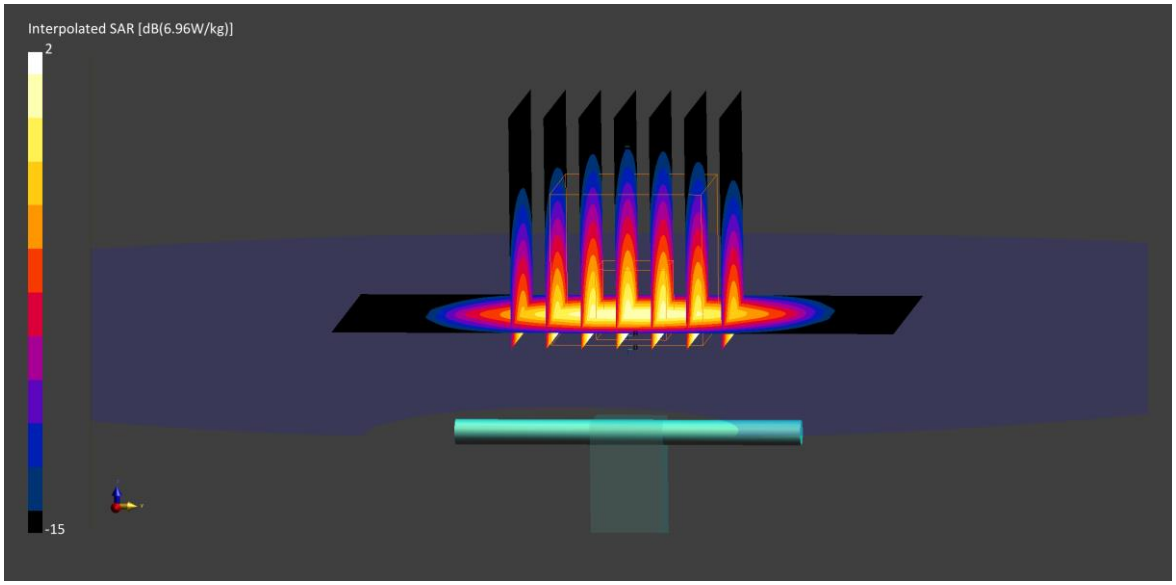
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Body; Medium parameters used:
f = 2600.0 MHz; σ = 2.23 S/m; ε_r = 52.3; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/12/2021; Ambient Temp: 23.3°C; Tissue Temp: 23.2°C

Probe: EX3DV4 - SN7416; ConvF:(7.2,7.2,7.2); Calibrated: 2021-05-18
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn701; Calibrated: 2021-05-11
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.0.0.116

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(10 g) = 2.57 W/kg
Deviation (10 g) = 3.21%



DUT: Dipole 5250.0 MHz; Type: D5GHzV2; Serial: 1163

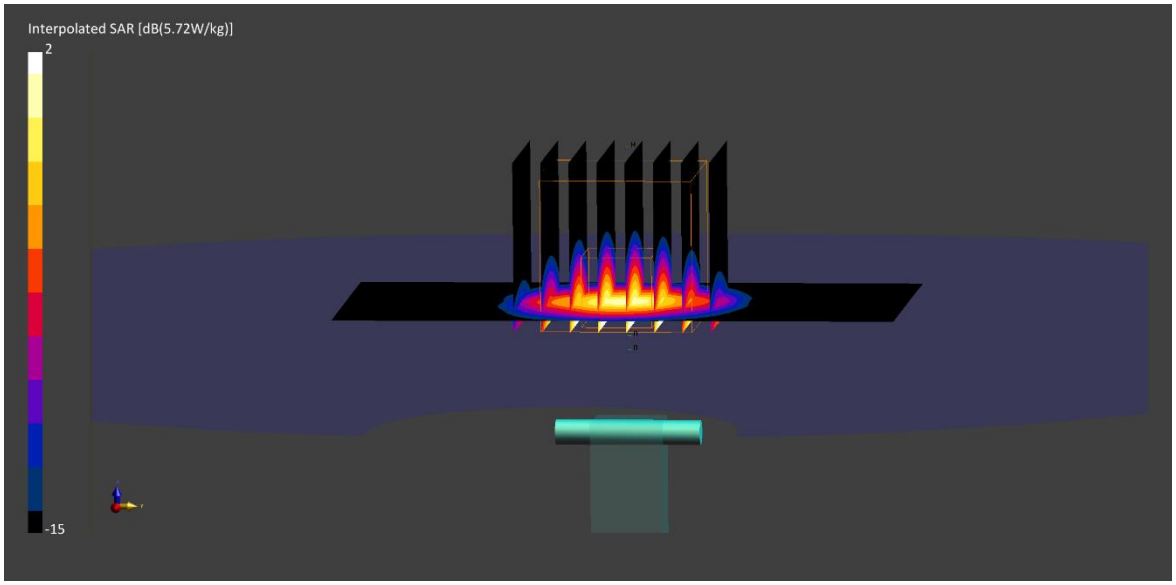
Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5250.0 MHz; σ = 5.38 S/m; ε_r = 47.1; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/09/2021; Ambient Temp: 23.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7532; ConvF:(4.68,4.68,4.68); Calibrated: 2021-04-19
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn501; Calibrated: 2021-04-13
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.0.0.116

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) = 13.7 W/kg
SAR(1 g) = 3.64 W/kg; SAR(10 g) = 1.02 W/kg
Deviation (1 g) = -4.59%; Deviation (10 g) = -3.32%



DUT: Dipole 5600.0 MHz; Type: D5GHzV2; Serial: 1163

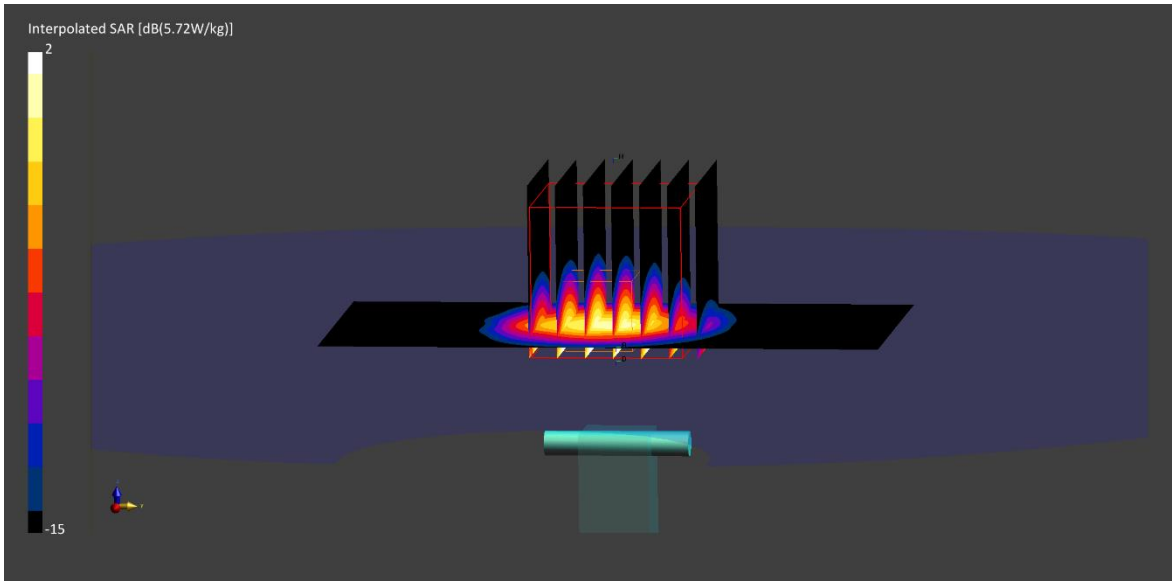
Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5600.0 MHz; σ = 5.88 S/m; ε_r = 46.4; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/09/2021; Ambient Temp: 23.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7532; ConvF:(4.2,4.2,4.2); Calibrated: 2021-04-19
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn501; Calibrated: 2021-04-13
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.0.0.116

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) = 15.8 W/kg
SAR(1 g) = 3.89 W/kg; SAR(10 g) = 1.09 W/kg
Deviation (1 g) = 1.97%; Deviation (10 g) = 3.32%



DUT: Dipole 5750.0 MHz; Type: D5GHzV2; Serial: 1163

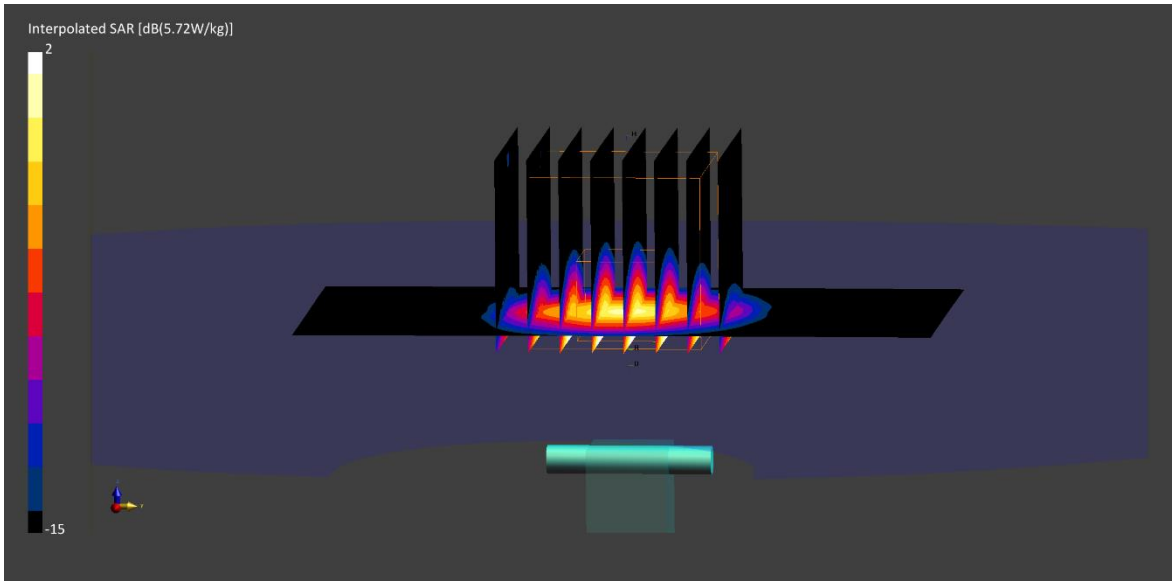
Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5750.0 MHz; σ = 6.10 S/m; ε_r = 46.1; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 11/09/2021; Ambient Temp: 23.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN7532; ConvF:(4.26,4.26,4.26); Calibrated: 2021-04-19
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn501; Calibrated: 2021-04-13
Phantom: Twin-SAM V4.0; Serial: 1275
Measurement SW: DASY Module SAR V16.0.0.116

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) = 15.1 W/kg
SAR(1 g) = 3.60 W/kg; SAR(10 g) = 1.00 W/kg
Deviation (1 g) = -5.64%; Deviation (10 g) = -4.31%



DUT: Dipole 5800.0 MHz; Type: D5GHzV2; Serial: 1191

Communication System: UID: 0, CW; Frequency: 5800.0 MHz
Medium: 5200-5800 Body; Medium parameters used:
f = 5800.0 MHz; σ = 6.23 S/m; ε_r = 46.4; ρ = 1000 kg/m^3
Phantom Section: Flat Section; Space: 1.0 cm

Test Date: 12/09/2021; Ambient Temp: 23.0°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7552; ConvF:(4.05,4.05,4.05); Calibrated: 2021-09-20
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; Calibrated: 2021-06-22
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.0.0.65

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) = 16.6 W/kg
SAR(1 g) = 3.81 W/kg; SAR(10 g) = 1.08 W/kg
Deviation (1 g) = 3.67%; Deviation (10 g) = 6.93%