# APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

# ELEMENT

### DUT: Dipole 13.0 MHz; Type: CLA-13 - SN1004

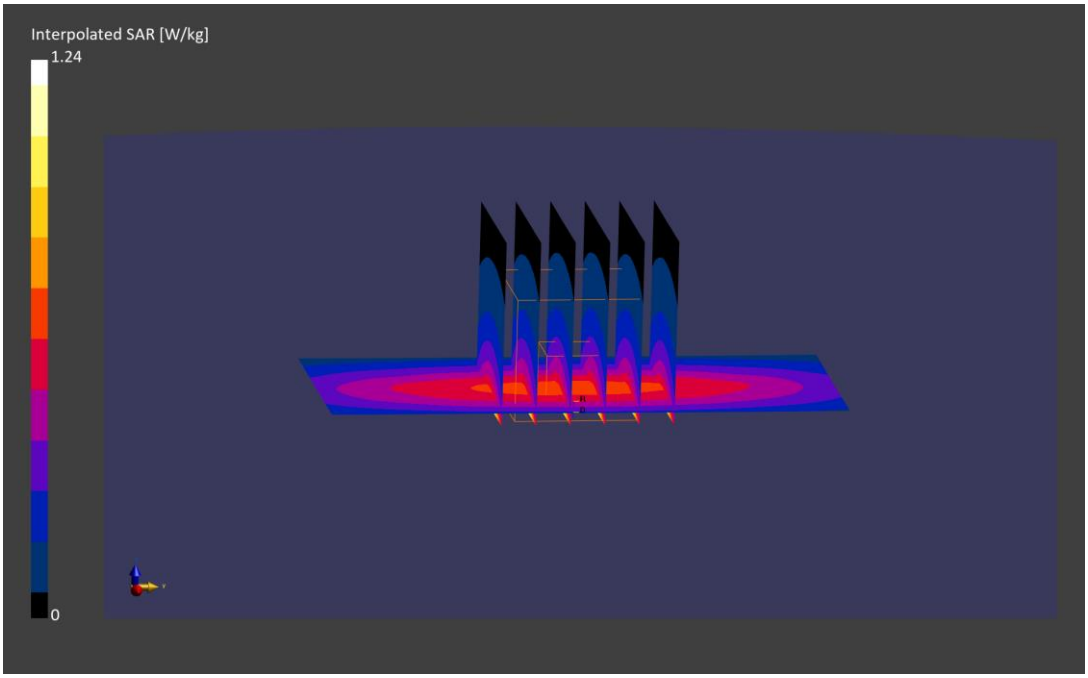
Communication System: UID: 0, CW; Frequency: 13.0 MHz
Medium: 30 Head; Medium parameters used:
f = 13.0 MHz; cond = 0.757 S/m; perm = 53.6; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 0 mm

Test Date: 07/01/2024; Ambient Temp: 22.0°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3746; ConvF:(16.19,16.19,16.19); Calibrated: 2023-10-16
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1237; Calibrated: 2023-10-18
Phantom: ELI V6.0; Serial: 2003
Measurement SW: DASY Module SAR V16.2.4.2524

## 13.0 MHz System Verification at 30.0 dBm (1000 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) = 1.23 W/kg
**SAR(1 g) = 0.600 W/kg; SAR(10 g) = 0.367 W/kg**
Deviation (1 g) = 3.81%; Deviation (10 g) = 3.09%



# ELEMENT

### DUT: Dipole 750.0 MHz; Type: D750V3 - SN1097

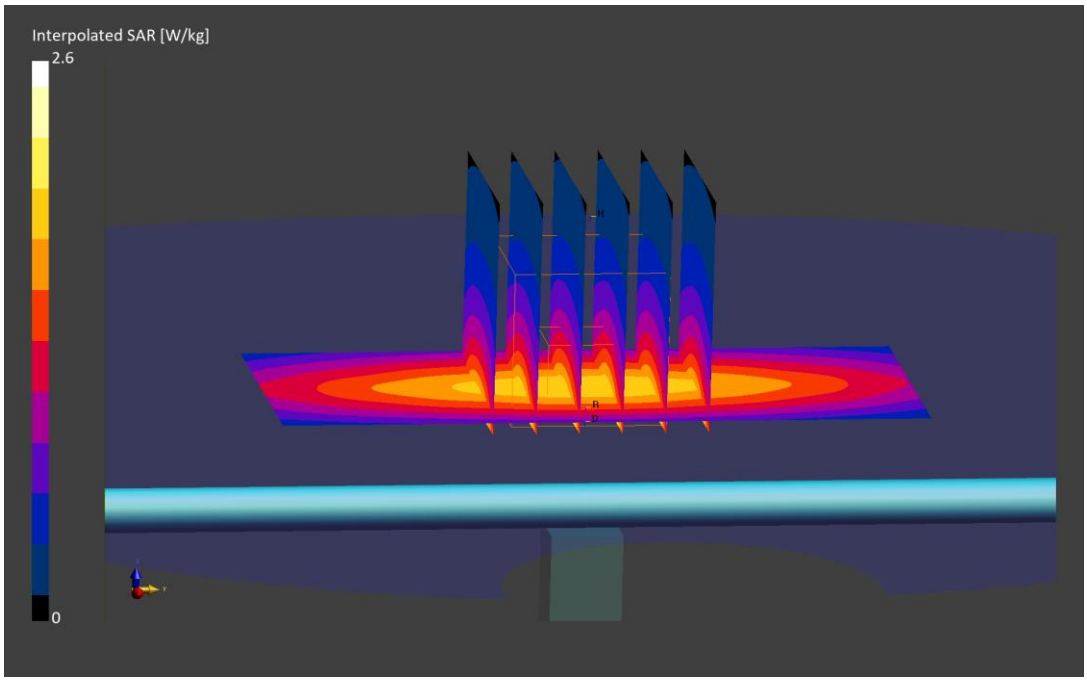
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.907 S/m; perm = 42.6; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 15 mm

Test Date: 06/14/2024; Ambient Temp: 21.6°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN3949; ConvF:(10.55,10.55,10.55); Calibrated: 2023-10-02
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1684; Calibrated: 2023-09-12
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.4.2524

## 750.0 MHz System Verification at 23.0 dBm (200 mW)

**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 2.60 W/kg
**SAR(1 g) = 1.64 W/kg; SAR(10 g) = 1.07 W/kg**
Deviation (1 g) = -0.85%; Deviation (10 g) = -0.56%



# ELEMENT

### DUT: Dipole 750.0 MHz; Type: D750V3 - SN1097

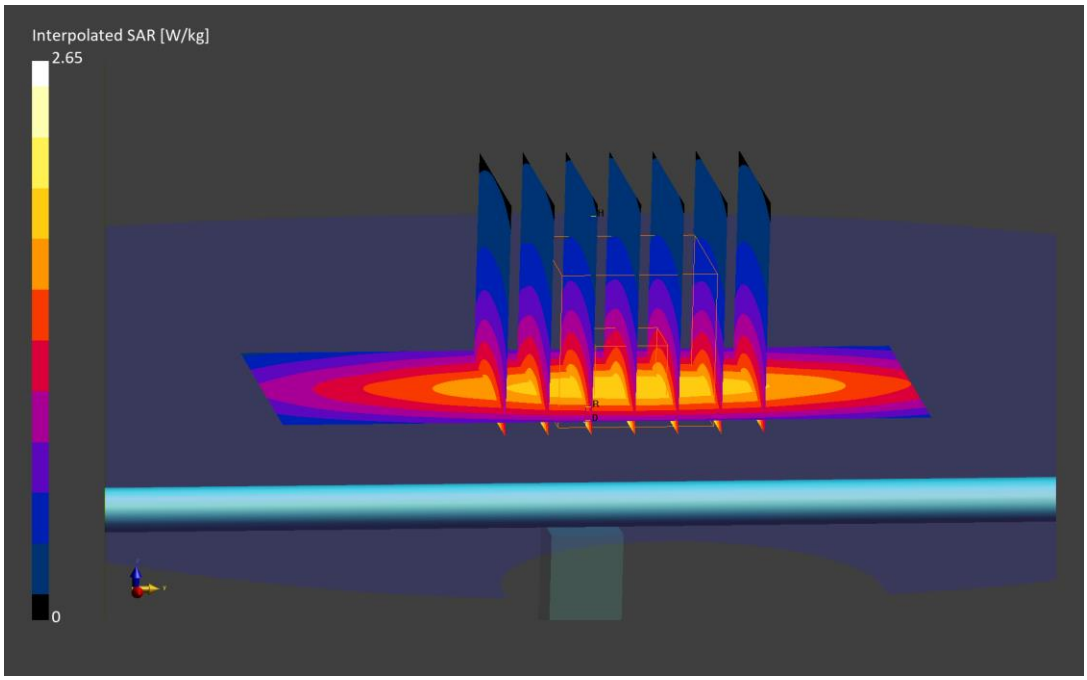
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.893 S/m; perm = 42.0; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 15 mm

Test Date: 06/17/2024; Ambient Temp: 21.5°C; Tissue Temp: 21.2°C

Probe: EX3DV4 - SN3949; ConvF:(10.55,10.55,10.55); Calibrated: 2023-10-02
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1684; Calibrated: 2023-09-12
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.4.2524

## 750.0 MHz System Verification at 23.0 dBm (200 mW)

**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 2.65 W/kg
**SAR(1 g) = 1.70 W/kg; SAR(10 g) = 1.11 W/kg**
Deviation (1 g) = 2.78%; Deviation (10 g) = 3.16%



# ELEMENT

### DUT: Dipole 750.0 MHz; Type: D750V3 - SN1097

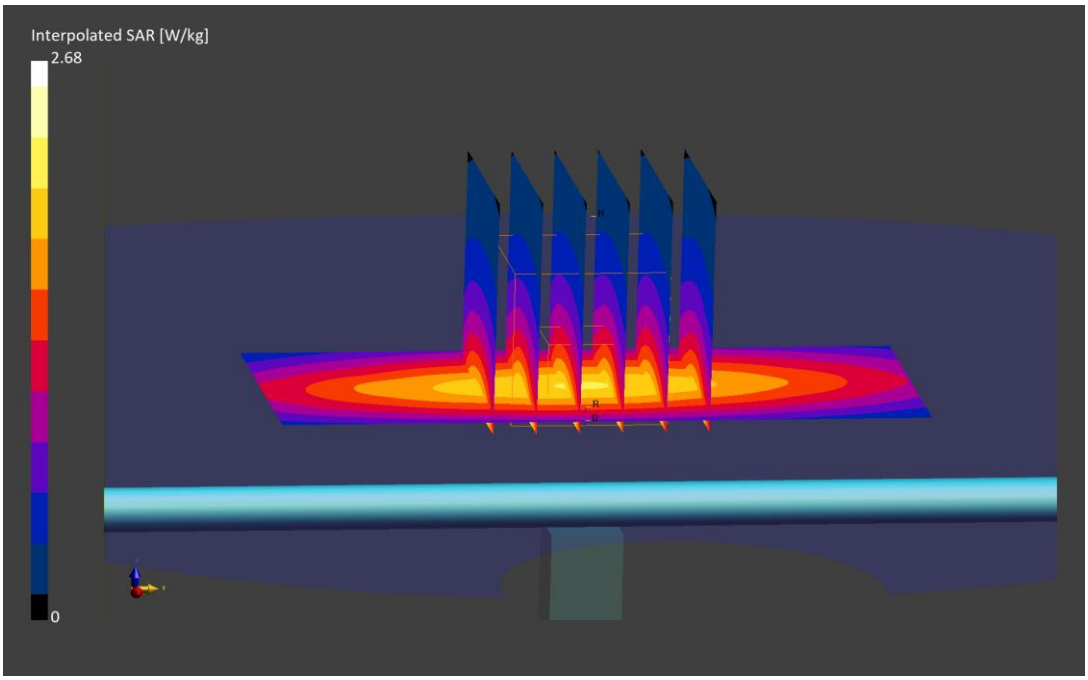
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.895 S/m; perm = 40.8; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 15 mm

Test Date: 06/18/2024; Ambient Temp: 21.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN3949; ConvF:(10.55,10.55,10.55); Calibrated: 2023-10-02
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1684; Calibrated: 2023-09-12
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.4.2524

## 750.0 MHz System Verification at 23.0 dBm (200 mW)

**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 2.68 W/kg
**SAR(1 g) = 1.75 W/kg; SAR(10 g) = 1.15 W/kg**
Deviation (1 g) = 5.80%; Deviation (10 g) = 6.88%



# ELEMENT

**DUT: Dipole 750.0 MHz; Type: D750V3 - SN1097**

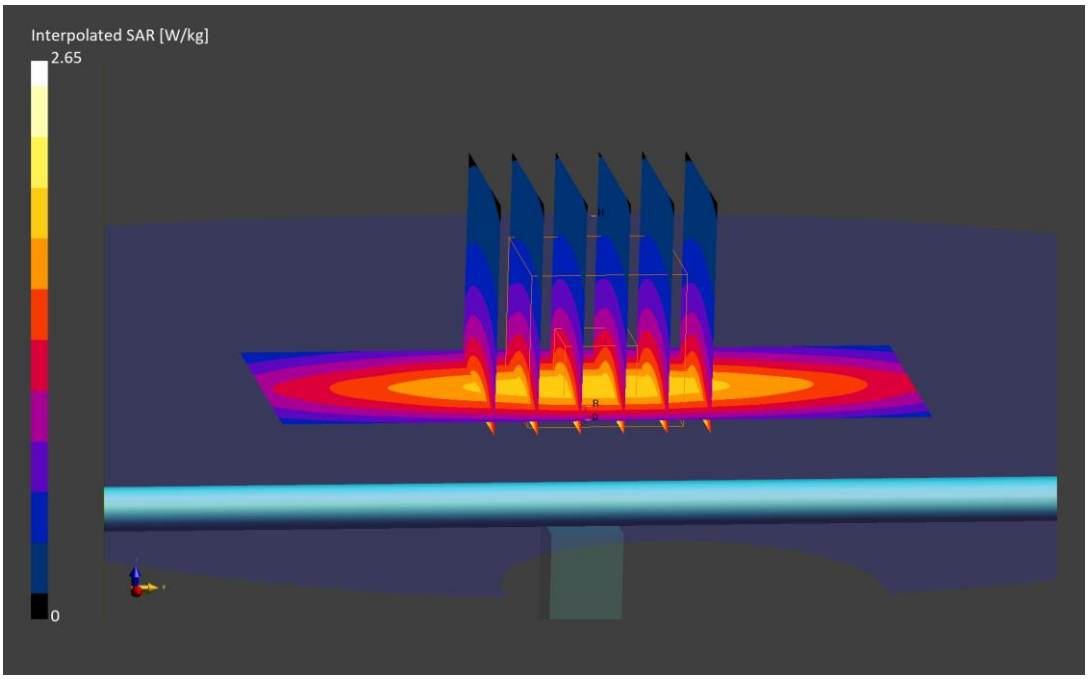
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.899 S/m; perm = 42.4; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 15 mm

Test Date: 06/26/2024; Ambient Temp: 21.8°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN3949; ConvF:(10.55,10.55,10.55); Calibrated: 2023-10-02
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1684; Calibrated: 2023-09-12
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.4.2524

## 750.0 MHz System Verification at 23.0 dBm (200 mW)

**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 2.65 W/kg
**SAR(1 g) = 1.70 W/kg; SAR(10 g) = 1.11 W/kg**
Deviation (1 g) = 2.78%; Deviation (10 g) = 3.16%



# ELEMENT

### DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d108

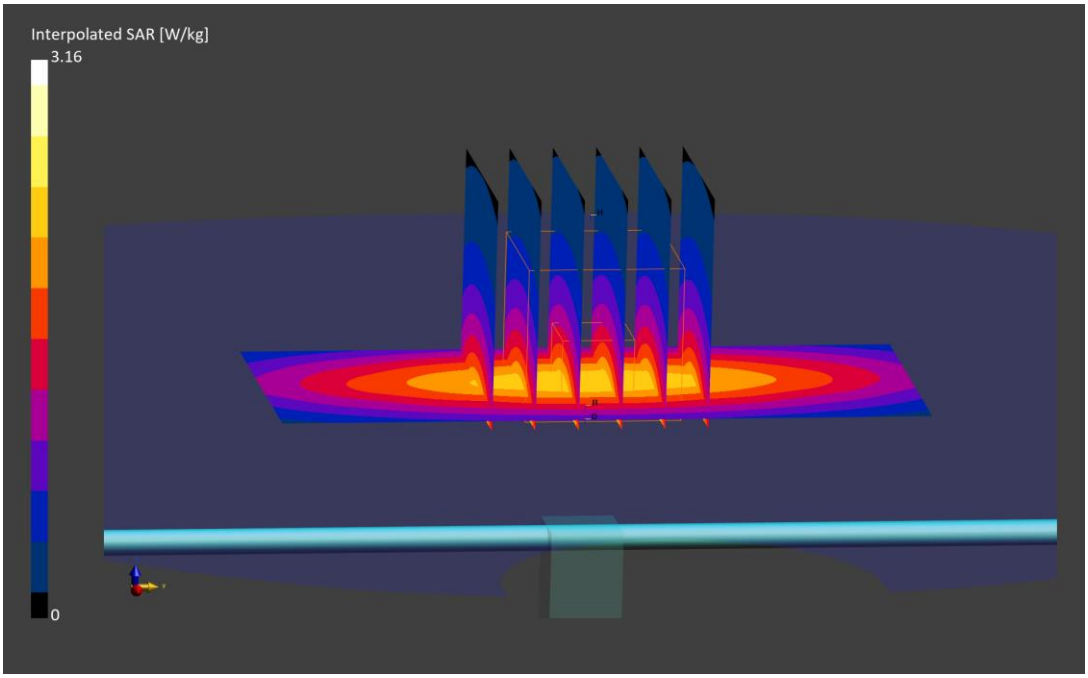
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.902 S/m; perm = 41.2; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 15 mm

Test Date: 06/21/2024; Ambient Temp: 20.4°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7668; ConvF:(9.05,9.05,9.05); Calibrated: 2023-08-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; Calibrated: 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1692
Measurement SW: DASY Module SAR V16.2.4.2524

## 835.0 MHz System Verification at 23.0 dBm (200 mW)

**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 3.16 W/kg
**SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.31 W/kg**
Deviation (1 g) = 2.55%; Deviation (10 g) = 3.31%



# ELEMENT

### DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d108

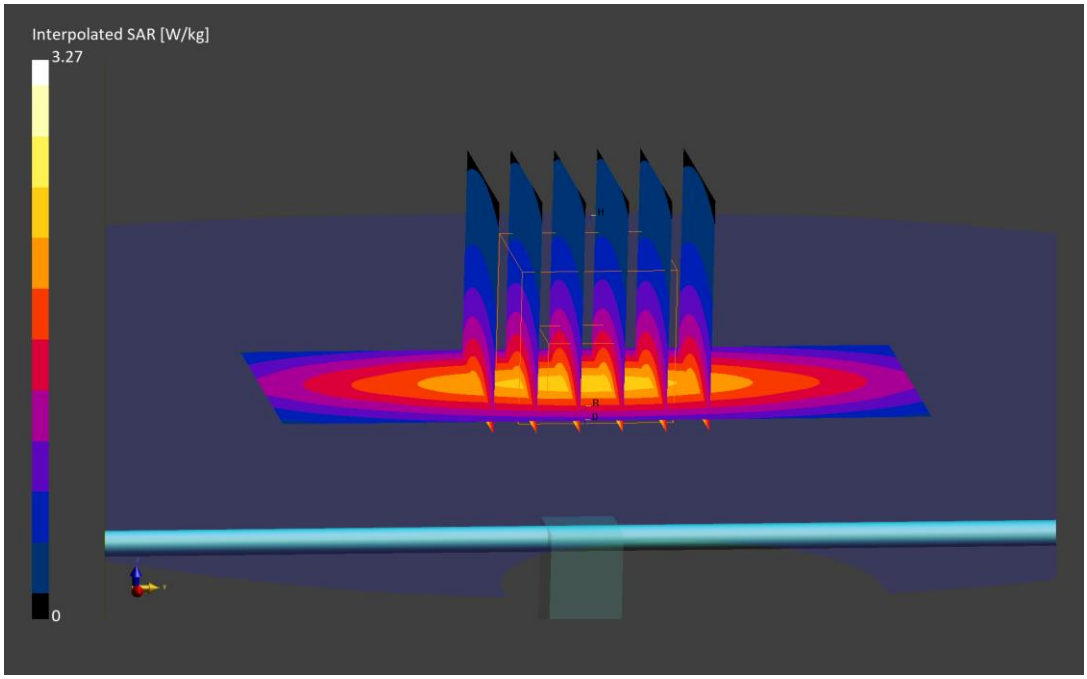
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.903 S/m; perm = 41.0; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 15 mm

Test Date: 06/24/2024; Ambient Temp: 21.5°C; Tissue Temp: 21.3°C

Probe: EX3DV4 - SN7668; ConvF:(9.05,9.05,9.05); Calibrated: 2023-08-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; Calibrated: 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1692
Measurement SW: DASY Module SAR V16.2.4.2524

## 835.0 MHz System Verification at 23.0 dBm (200 mW)

**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 3.27 W/kg
**SAR(1 g) = 2.03 W/kg; SAR(10 g) = 1.33 W/kg**
Deviation (1 g) = 3.57%; Deviation (10 g) = 4.89%



# ELEMENT

### DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d108

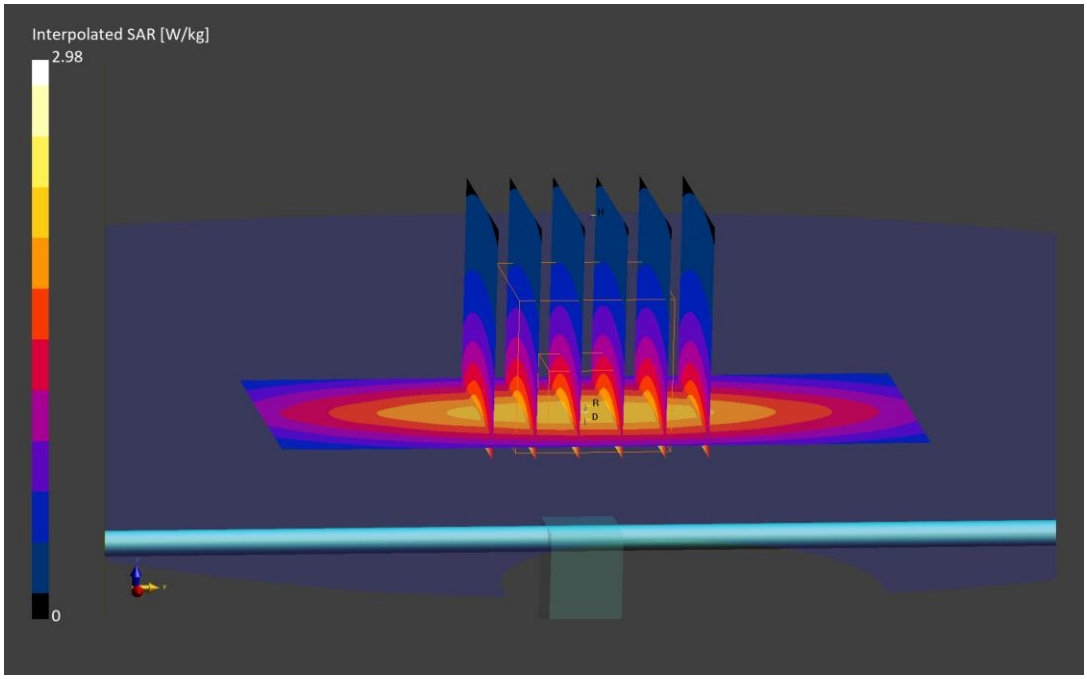
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.910 S/m; perm = 40.8; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 15 mm

Test Date: 06/26/2024; Ambient Temp: 22.3°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN7668; ConvF:(9.05,9.05,9.05); Calibrated: 2023-08-10
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1681; Calibrated: 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1692
Measurement SW: DASY Module SAR V16.2.4.2524

## 835.0 MHz System Verification at 23.0 dBm (200 mW)

**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 2.99 W/kg
**SAR(1 g) = 1.91 W/kg; SAR(10 g) = 1.25 W/kg**
Deviation (1 g) = -2.55%; Deviation (10 g) = -1.42%



# ELEMENT

### DUT: Dipole 1750.0 MHz; Type: D1750V2 - SN1104

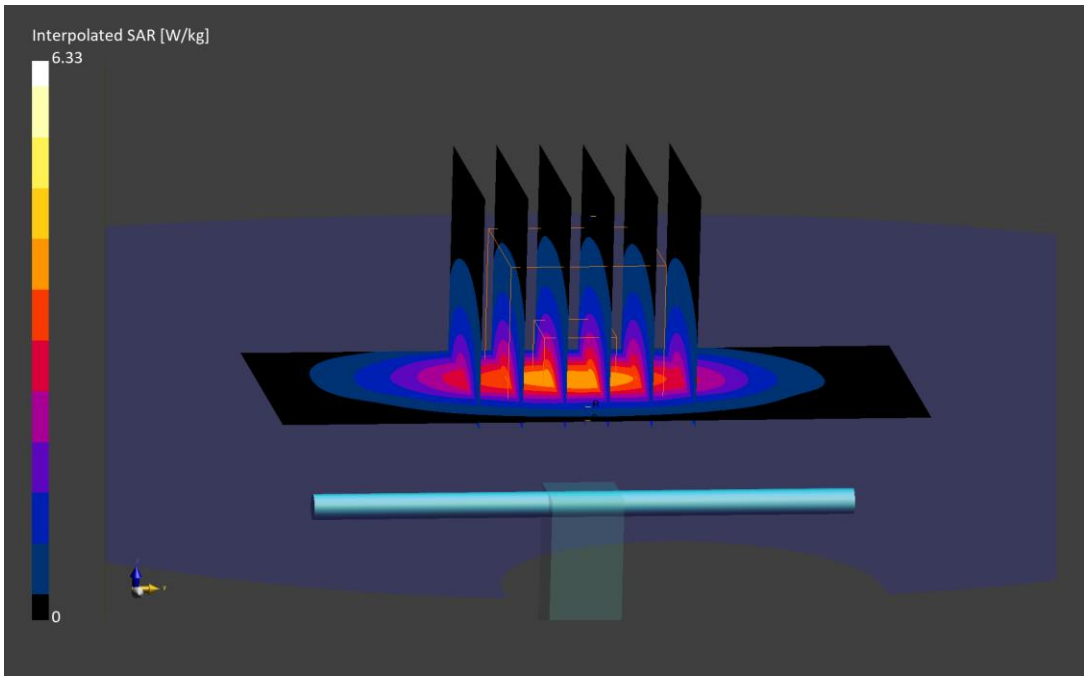
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.37 S/m; perm = 38.5; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2024; Ambient Temp: 20.3°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7546; ConvF:(8.34,7.55,8.26); Calibrated: 2024-04-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1402; Calibrated: 2024-04-10
Phantom: Twin-SAM V8.0; Serial: 2029
Measurement SW: DASY Module SAR V16.2.4.2524

## 1750.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 6.33 W/kg
**SAR(1 g) = 3.39 W/kg; SAR(10 g) = 1.81 W/kg**
Deviation (1 g) = -4.78%; Deviation (10 g) = -3.72%



# ELEMENT

### DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d180

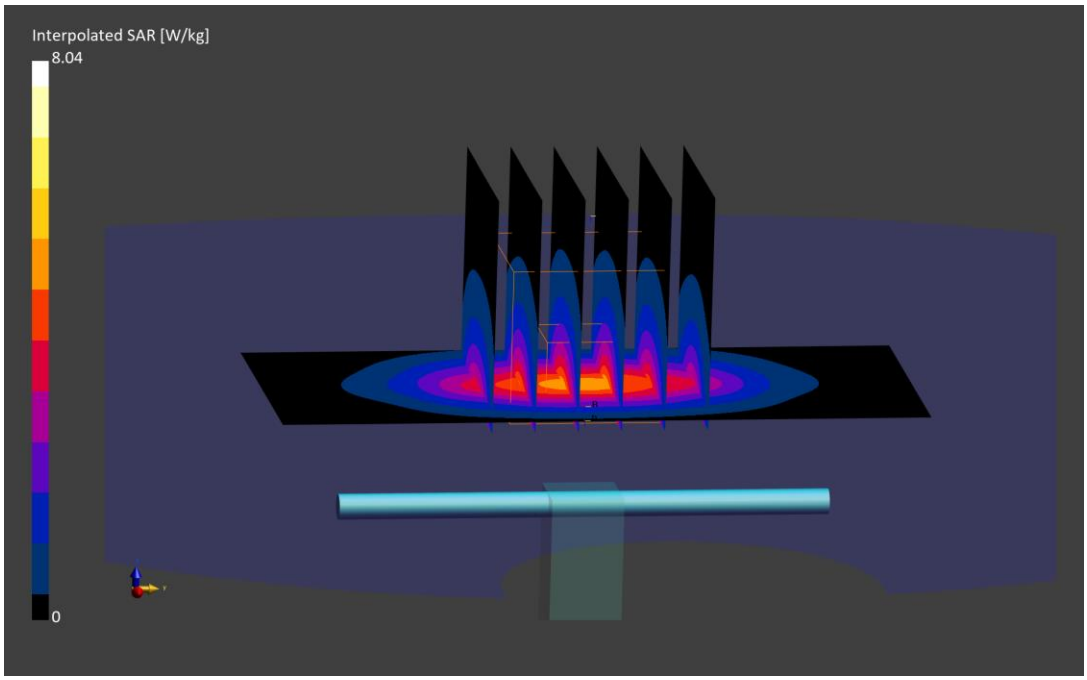
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.43 S/m; perm = 38.5; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2024; Ambient Temp: 22.7°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7639; ConvF:(8.53,8.53,8.53); Calibrated: 2023-11-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1403; Calibrated: 2023-11-14
Phantom: Twin-SAM V8.0; Serial: 2034
Measurement SW: DASY Module SAR V16.2.4.2524

## 1900.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 8.04 W/kg
**SAR(1 g) = 4.15 W/kg; SAR(10 g) = 2.15 W/kg**
Deviation (1 g) = 5.87%; Deviation (10 g) = 4.37%



# ELEMENT

### DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d131

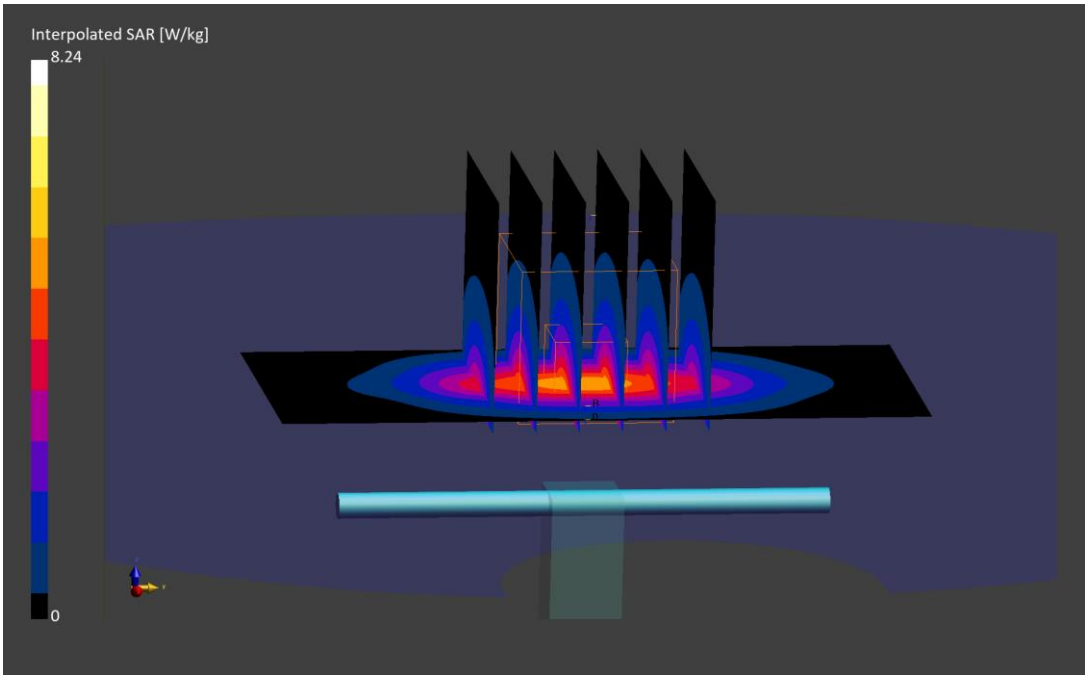
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.45 S/m; perm = 41.0; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2024; Ambient Temp: 23.6°C; Tissue Temp: 23.0°C

Probe: EX3DV4 - SN7668; ConvF:(8.0,8.0,8.0); Calibrated: 2023-08-10
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; Calibrated: 2023-09-12
Phantom: Twin-SAM V5.0; Serial: 1692
Measurement SW: DASY Module SAR V16.2.4.2524

## 1900.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 x 90.0):** Measurement grid: dx=10.0 mm, dy=15.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 8.24 W/kg
**SAR(1 g) = 4.20 W/kg; SAR(10 g) = 2.16 W/kg**
Deviation (1 g) = 4.74%; Deviation (10 g) = 3.35%



# ELEMENT

### DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN921

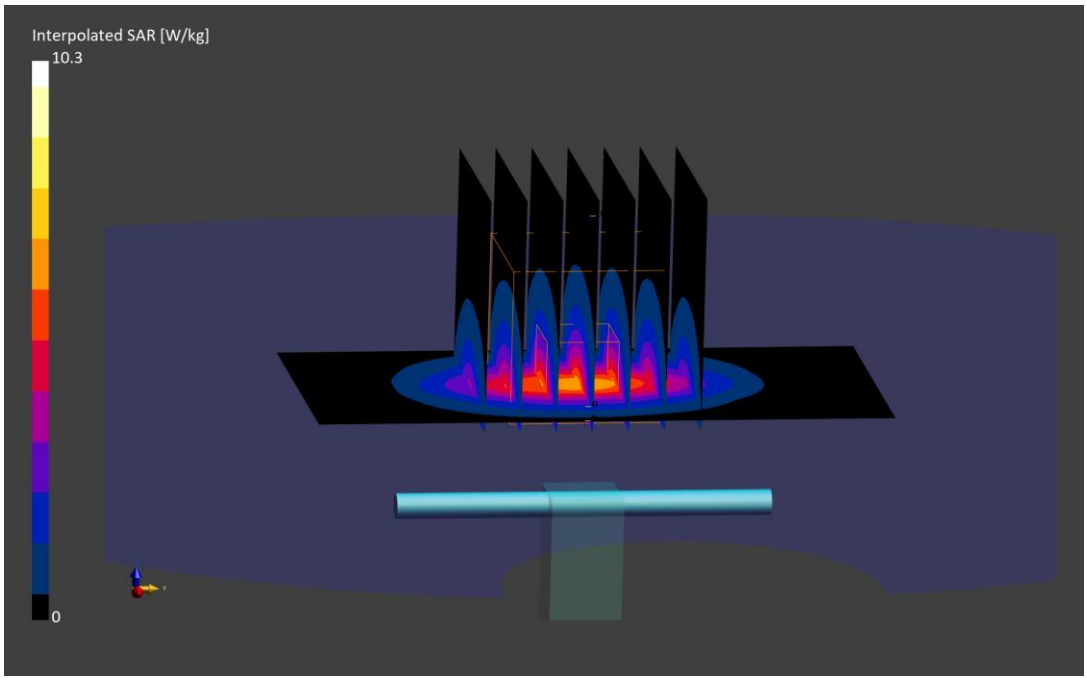
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.78 S/m; perm = 39.3; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2024; Ambient Temp: 21.7°C; Tissue Temp: 20.7°C

Probe: EX3DV4 - SN7682; ConvF:(7.87,7.72,8.18); Calibrated: 2024-05-13
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1683; Calibrated: 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 1917
Measurement SW: DASY Module SAR V16.2.4.2524

## 2450.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 10.4 W/kg
**SAR(1 g) = 5.14 W/kg; SAR(10 g) = 2.44 W/kg**
Deviation (1 g) = -5.17%; Deviation (10 g) = -4.31%



# ELEMENT

### DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN750

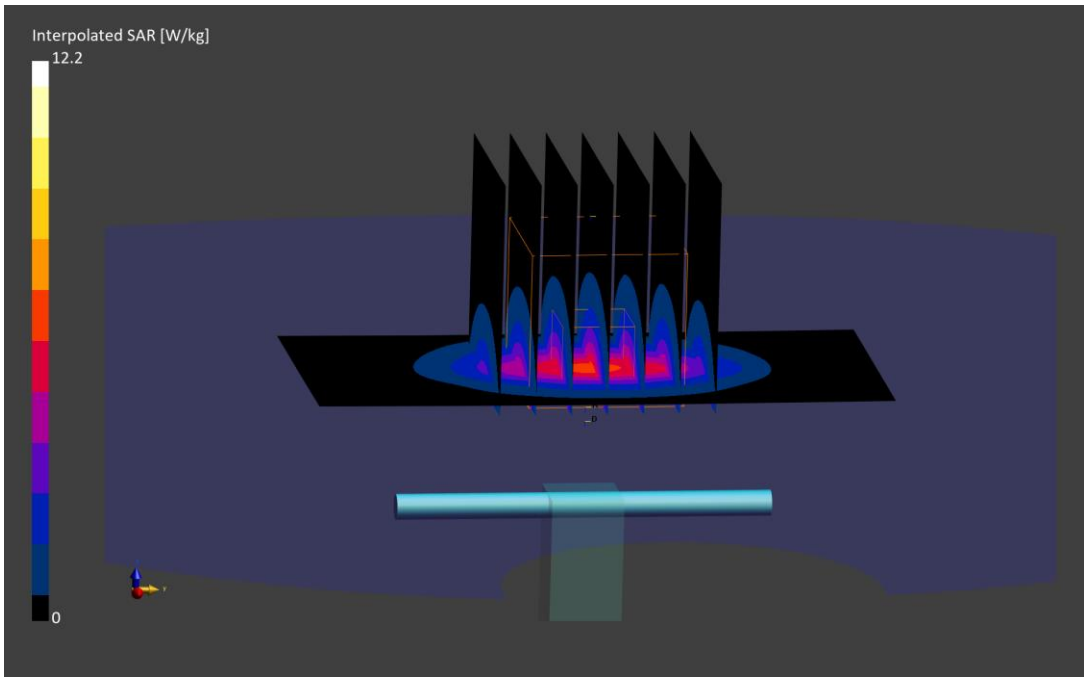
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.85 S/m; perm = 38.4; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2024; Ambient Temp: 22.2°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7499; ConvF:(7.13,7.46,7.69); Calibrated: 2024-01-16
Sensor-Surface: 1.4mm (All points)
Electronics: DAE4 Sn1644; Calibrated: 2023-12-07
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.4.2524

## 2450.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 12.2 W/kg
**SAR(1 g) = 5.11 W/kg; SAR(10 g) = 2.29 W/kg**
Deviation (1 g) = -2.85%; Deviation (10 g) = -6.53%



# ELEMENT

### DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN750

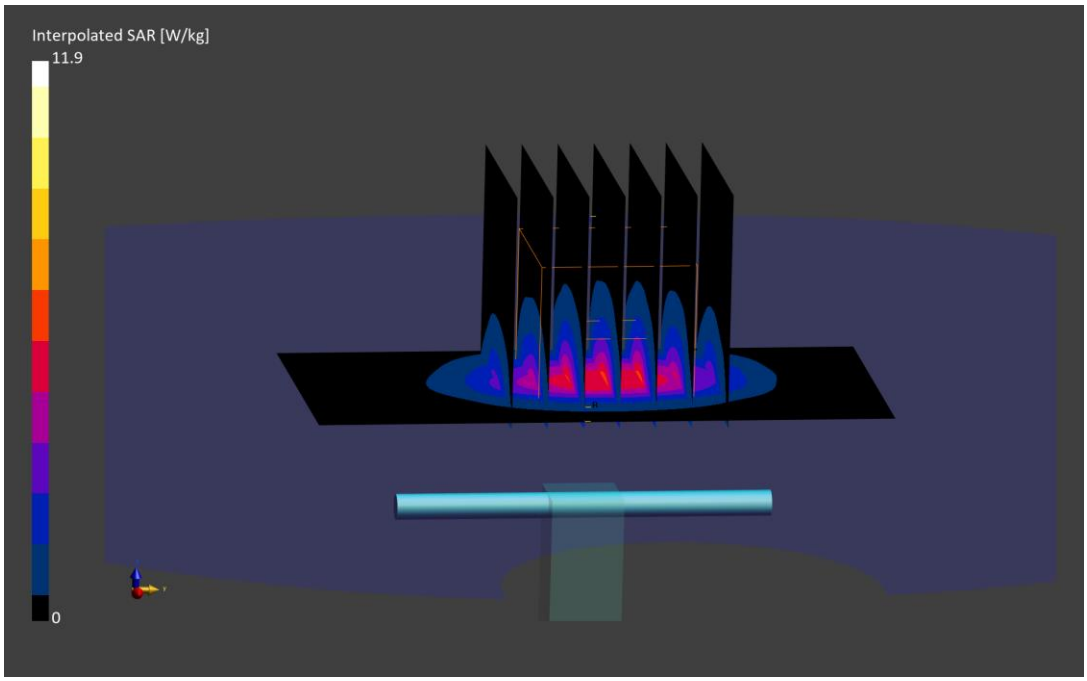
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.84 S/m; perm = 39.2; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/08/2024; Ambient Temp: 20.8°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7499; ConvF:(7.13,7.46,7.69); Calibrated: 2024-01-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1644; Calibrated: 2023-12-07
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.4.2524

## 2450.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 11.9 W/kg
**SAR(1 g) = 5.21 W/kg; SAR(10 g) = 2.34 W/kg**
Deviation (1 g) = -0.95%; Deviation (10 g) = -4.49%



# ELEMENT

### DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN921

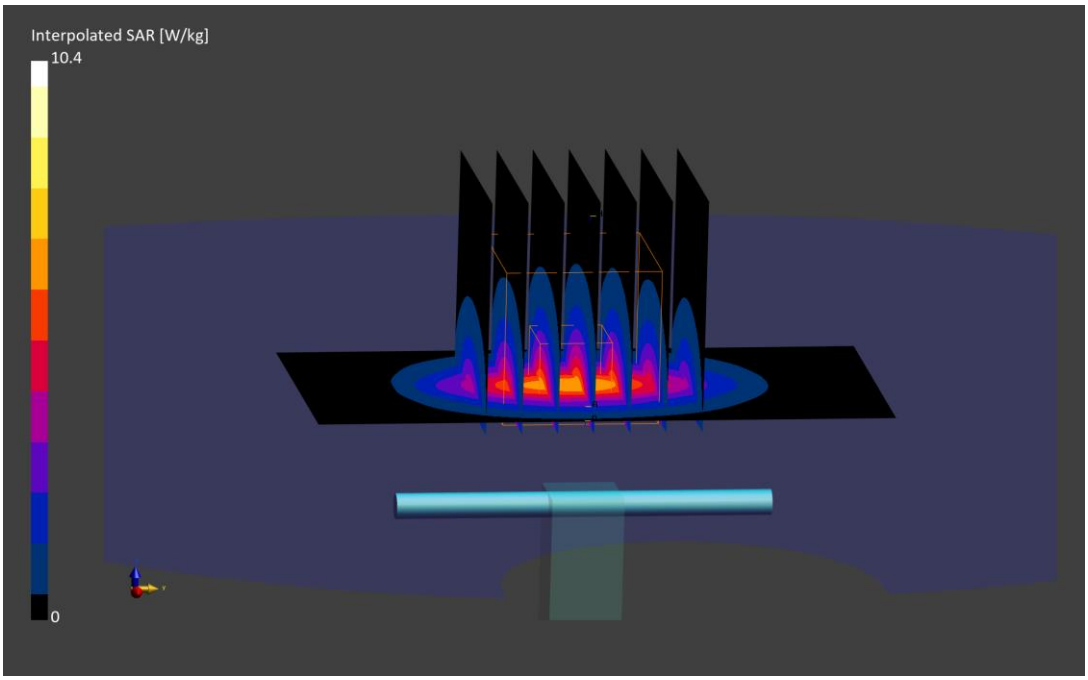
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.75 S/m; perm = 39.8; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/08/2024; Ambient Temp: 21.4°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7682; ConvF:(7.87,7.72,8.18); Calibrated: 2024-05-13
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1683; Calibrated: 2024-05-08
Phantom: Twin-SAM V8.0; Serial: 1917
Measurement SW: DASY Module SAR V16.2.4.2524

## 2450.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 10.4 W/kg
**SAR(1 g) = 5.26 W/kg; SAR(10 g) = 2.52 W/kg**
Deviation (1 g) = -2.95%; Deviation (10 g) = -1.18%



# ELEMENT

### DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN750

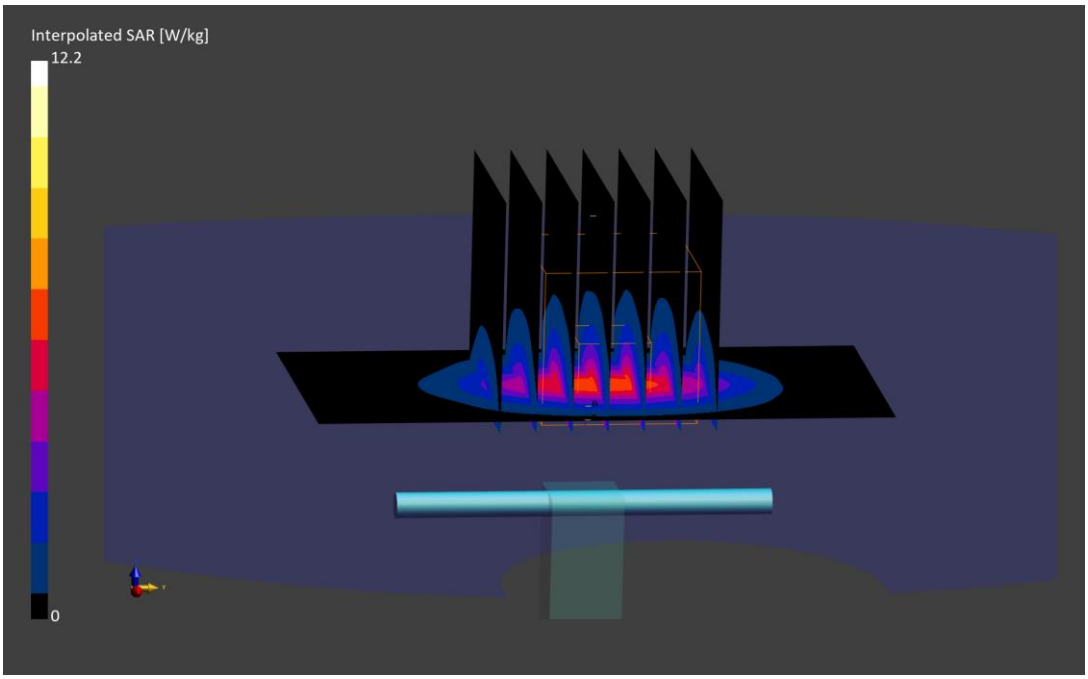
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.78 S/m; perm = 39.3; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 08/26/2024; Ambient Temp: 20.8°C; Tissue Temp: 24.5°C

Probe: EX3DV4 - SN7499; ConvF:(7.13,7.46,7.69); Calibrated: 2024-01-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1644; Calibrated: 2023-12-07
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.4.2524

## 2450.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 12.2 W/kg
**SAR(1 g) = 5.33 W/kg; SAR(10 g) = 2.37 W/kg**
Deviation (1 g) = 1.33%; Deviation (10 g) = -3.27%



# ELEMENT

### DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1042

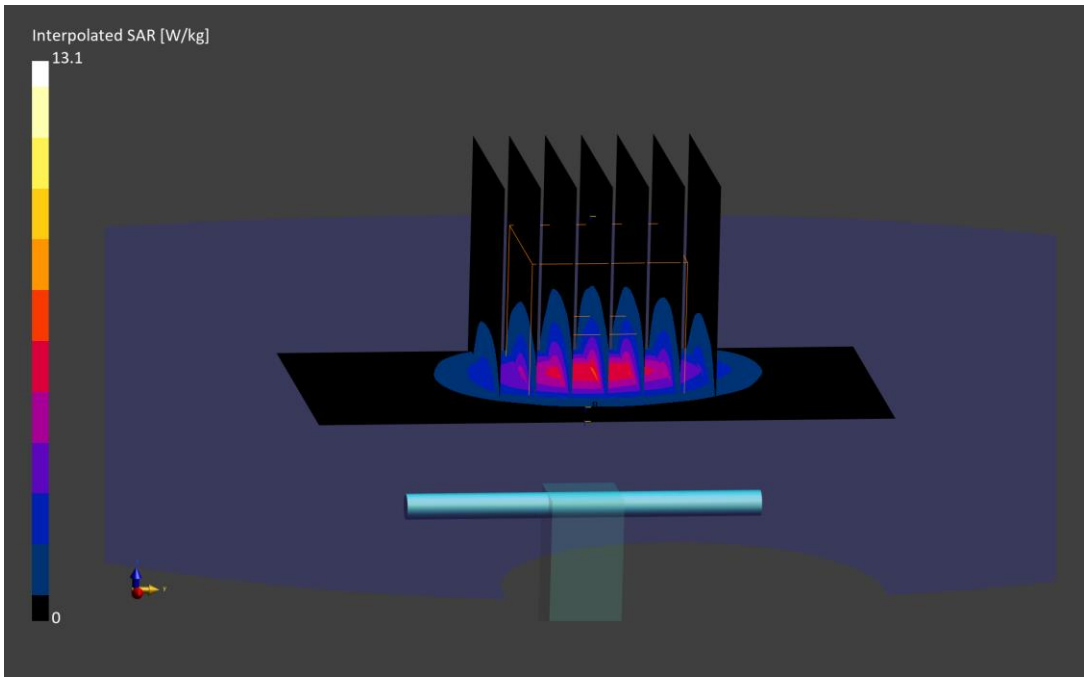
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 2.03 S/m; perm = 37.8; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/03/2024; Ambient Temp: 22.2°C; Tissue Temp: 23.4°C

Probe: EX3DV4 - SN7499; ConvF:(7.24,7.57,7.85); Calibrated: 2024-01-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1644; Calibrated: 2023-12-07
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.4.2524

## 2600.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 13.1 W/kg
**SAR(1 g) = 5.49 W/kg; SAR(10 g) = 2.37 W/kg**
Deviation (1 g) = -1.61%; Deviation (10 g) = -4.82%



# ELEMENT

### DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1042

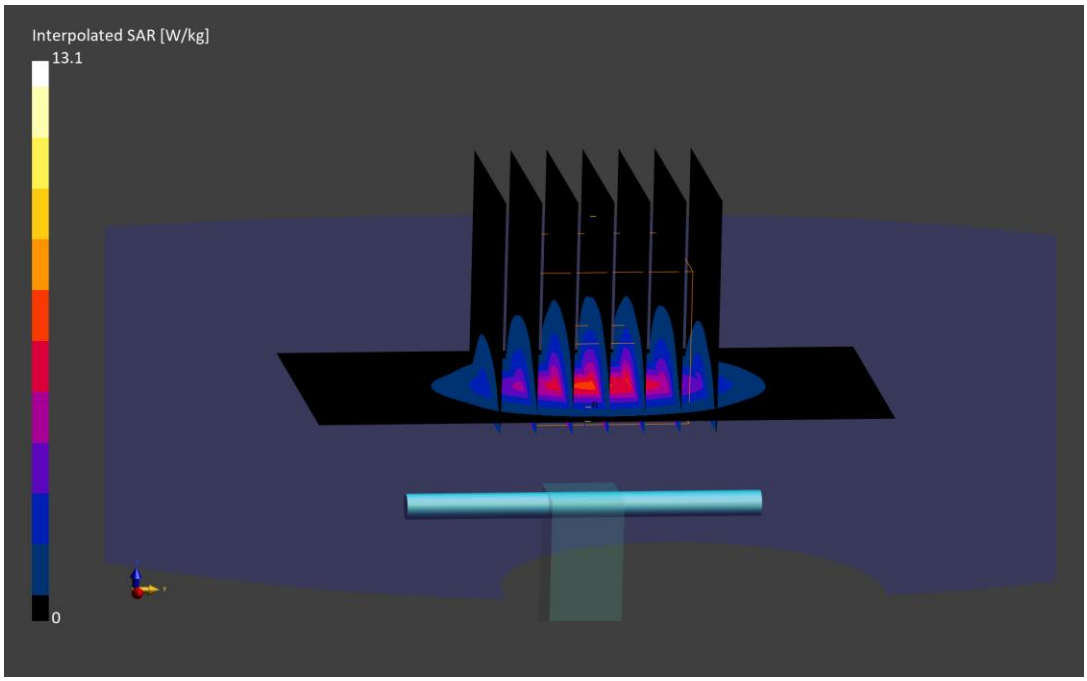
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 2.02 S/m; perm = 38.6; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/08/2024; Ambient Temp: 20.8°C; Tissue Temp: 23.6°C

Probe: EX3DV4 - SN7499; ConvF:(7.24,7.57,7.85); Calibrated: 2024-01-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1644; Calibrated: 2023-12-07
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.4.2524

## 2600.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 13.1 W/kg
**SAR(1 g) = 5.37 W/kg; SAR(10 g) = 2.31 W/kg**
Deviation (1 g) = -3.76%; Deviation (10 g) = -7.23%



# ELEMENT

### DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1042

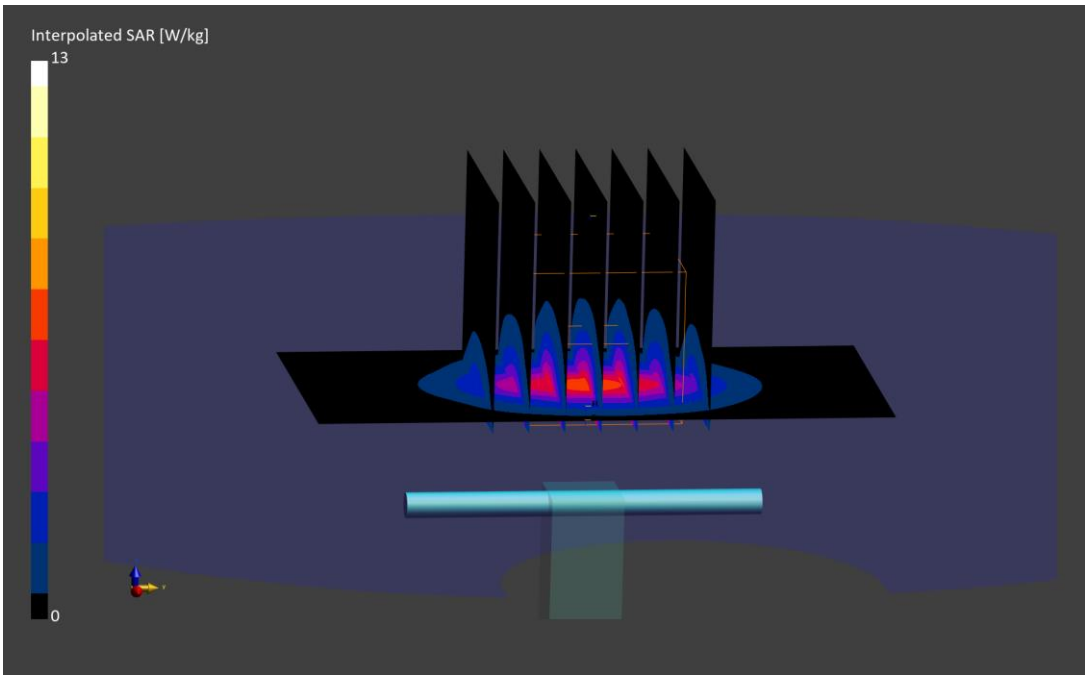
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.95 S/m; perm = 38.8; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 08/26/2024; Ambient Temp: 20.8°C; Tissue Temp: 24.5°C

Probe: EX3DV4 - SN7499; ConvF:(7.24,7.57,7.85); Calibrated: 2024-01-16
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1644; Calibrated: 2023-12-07
Phantom: Twin-SAM V8.0; Serial: 1357
Measurement SW: DASY Module SAR V16.2.4.2524

## 2600.0 MHz System Verification at 20.0 dBm (100 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (30.0 x 30.0 x 30.0):** Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 13.0 W/kg
**SAR(1 g) = 5.43 W/kg; SAR(10 g) = 2.32 W/kg**
Deviation (1 g) = -2.69%; Deviation (10 g) = -6.83%



# ELEMENT

### DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1066

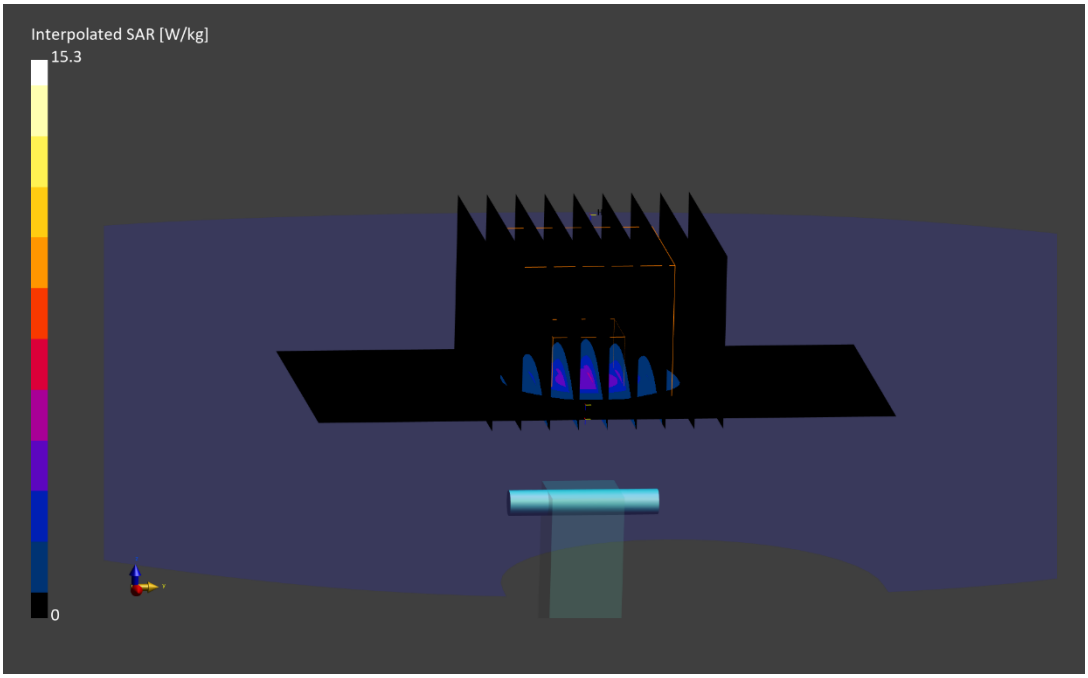
Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.64 S/m; perm = 35.6; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/17/2024; Ambient Temp: 21.2°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7427; ConvF:(4.73,5.26,5.35); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5250.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 15.3 W/kg
**SAR(1 g) = 3.86 W/kg; SAR(10 g) = 1.11 W/kg**
Deviation (1 g) = -3.86%; Deviation (10 g) = -3.90%



# ELEMENT

### DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1066

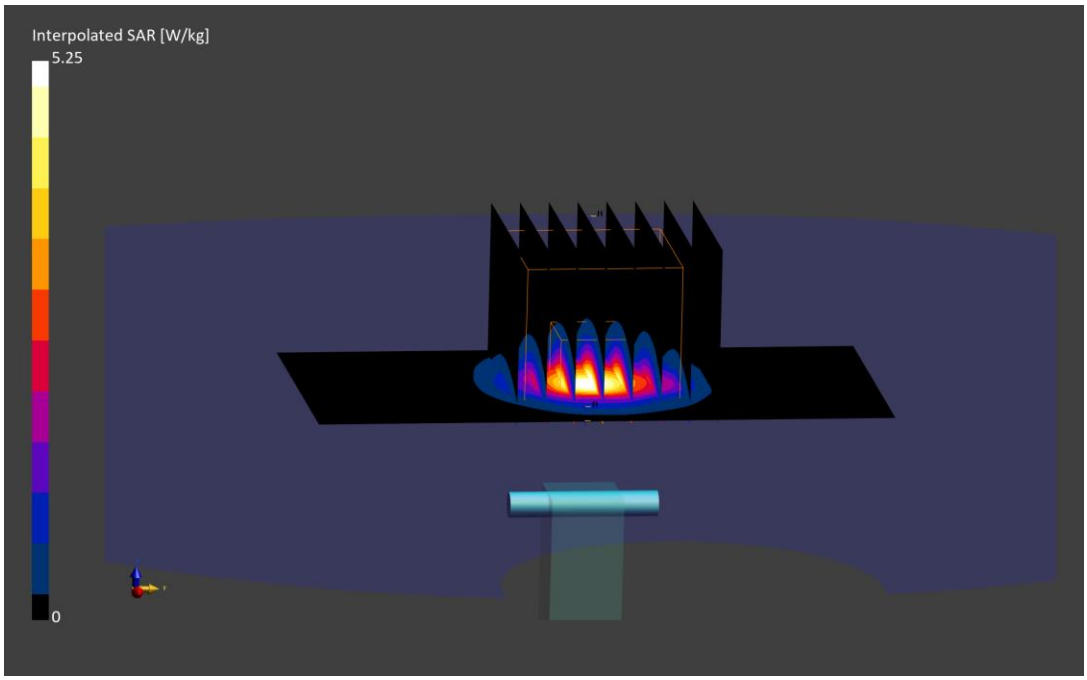
Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.61 S/m; perm = 34.7; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/22/2024; Ambient Temp: 21.5°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7427; ConvF:(4.73,5.26,5.35); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5250.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 14.9 W/kg
**SAR(1 g) = 3.77 W/kg; SAR(10 g) = 1.08 W/kg**
Deviation (1 g) = -6.10%; Deviation (10 g) = -6.49%



# ELEMENT

### DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1066

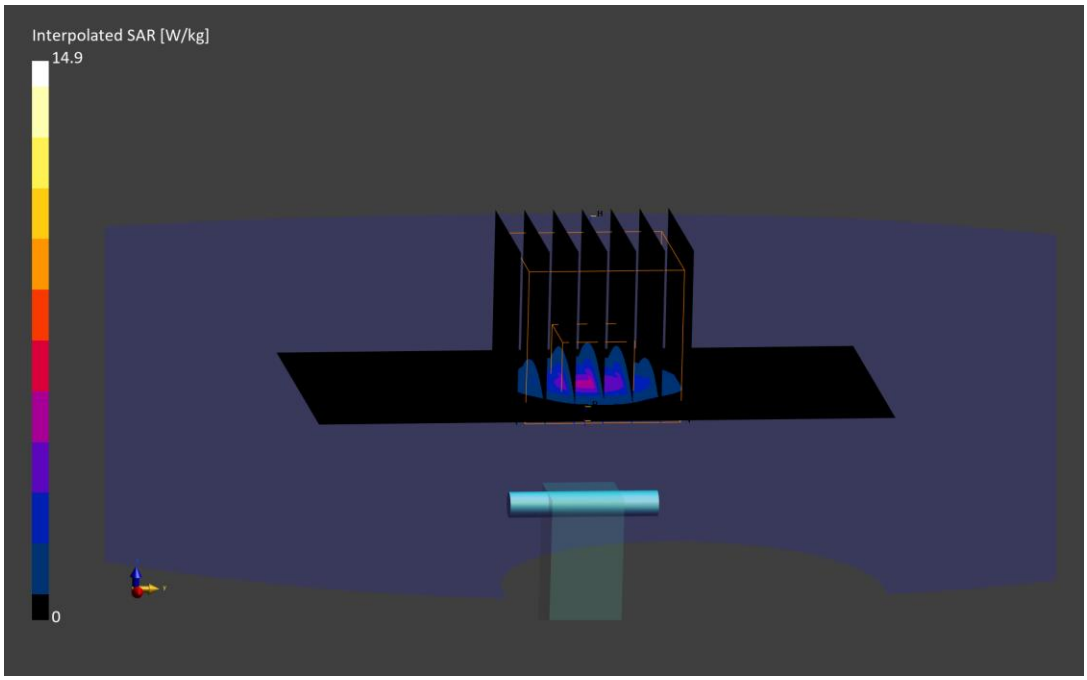
Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.56 S/m; perm = 34.6; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2024; Ambient Temp: 20.8°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7427; ConvF:(4.73,5.26,5.35); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5250.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 14.9 W/kg
**SAR(1 g) = 3.80 W/kg; SAR(10 g) = 1.09 W/kg**
Deviation (1 g) = -5.35%; Deviation (10 g) = -5.63%



# ELEMENT

**DUT: Dipole 5250.0 MHz; Type: D5GHzV2 - SN1123**

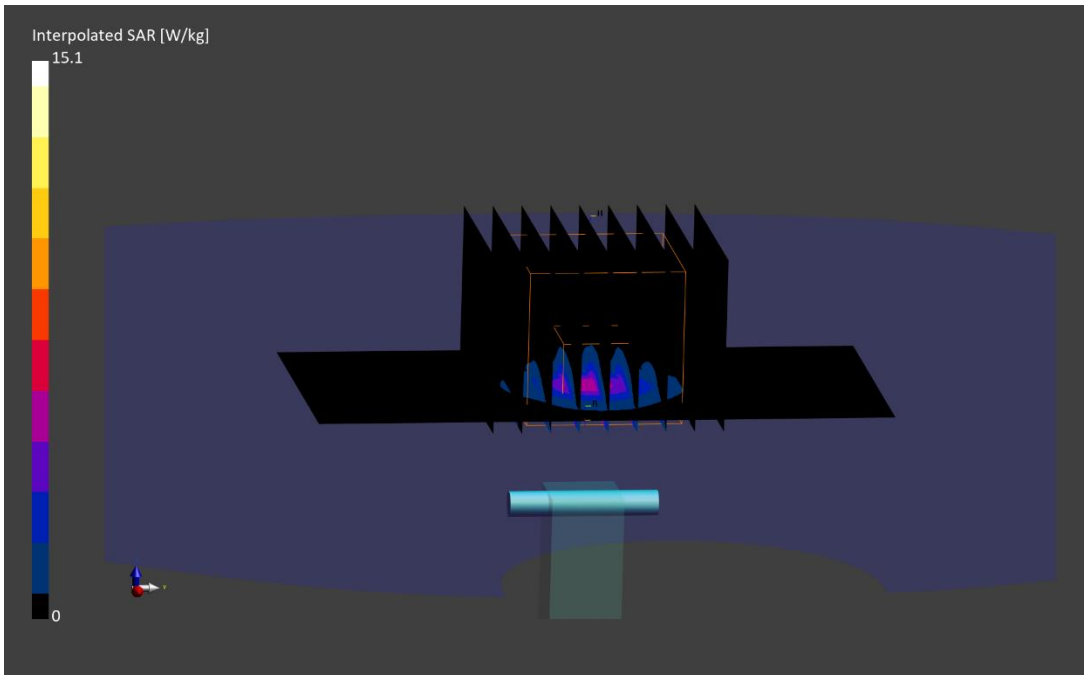
Communication System: UID: 0, CW; Frequency: 5250.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5250.0 MHz; cond = 4.62 S/m; perm = 34.7; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2024; Ambient Temp: 21.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3949; ConvF:(5.74,5.74,5.74); Calibrated: 2023-10-02
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1684; Calibrated: 2023-09-12
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.4.2524

## 5250.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 15.1 W/kg
**SAR(1 g) = 3.96 W/kg; SAR(10 g) = 1.12 W/kg**
Deviation (1 g) = -0.25%; Deviation (10 g) = -1.75%



# ELEMENT

### DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1066

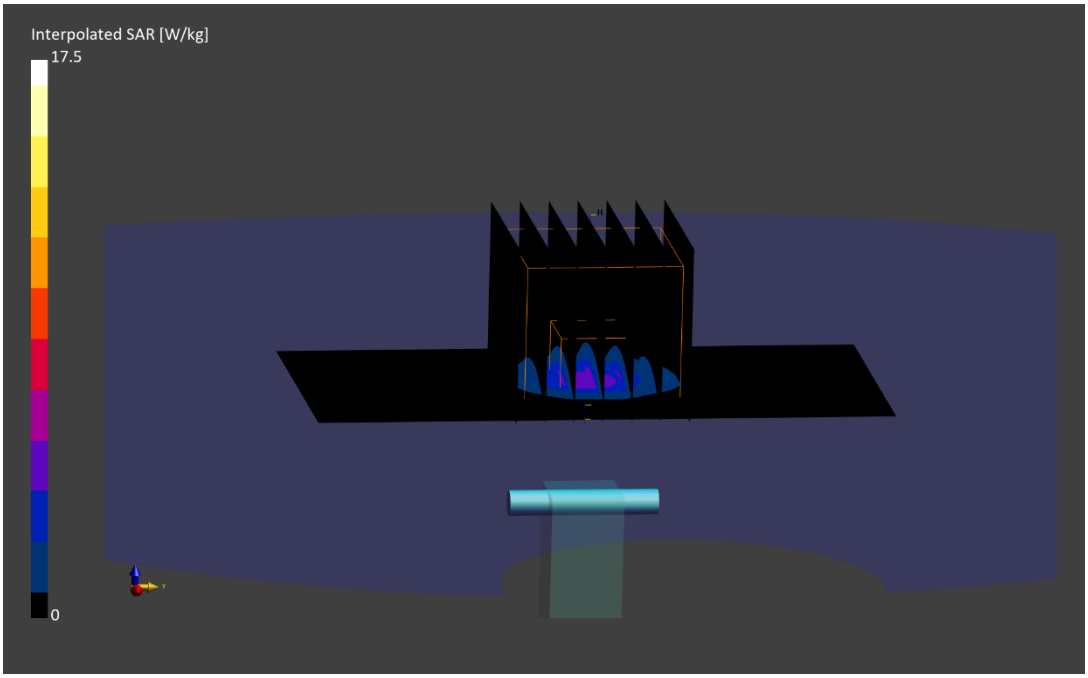
Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 5.02 S/m; perm = 35.0; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/17/2024; Ambient Temp: 21.2°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7427; ConvF:(4.18,4.62,4.72); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5600.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 17.5 W/kg
**SAR(1 g) = 4.21 W/kg; SAR(10 g) = 1.20 W/kg**
Deviation (1 g) = 0.36%; Deviation (10 g) = -0.41%



# ELEMENT

**DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1066**

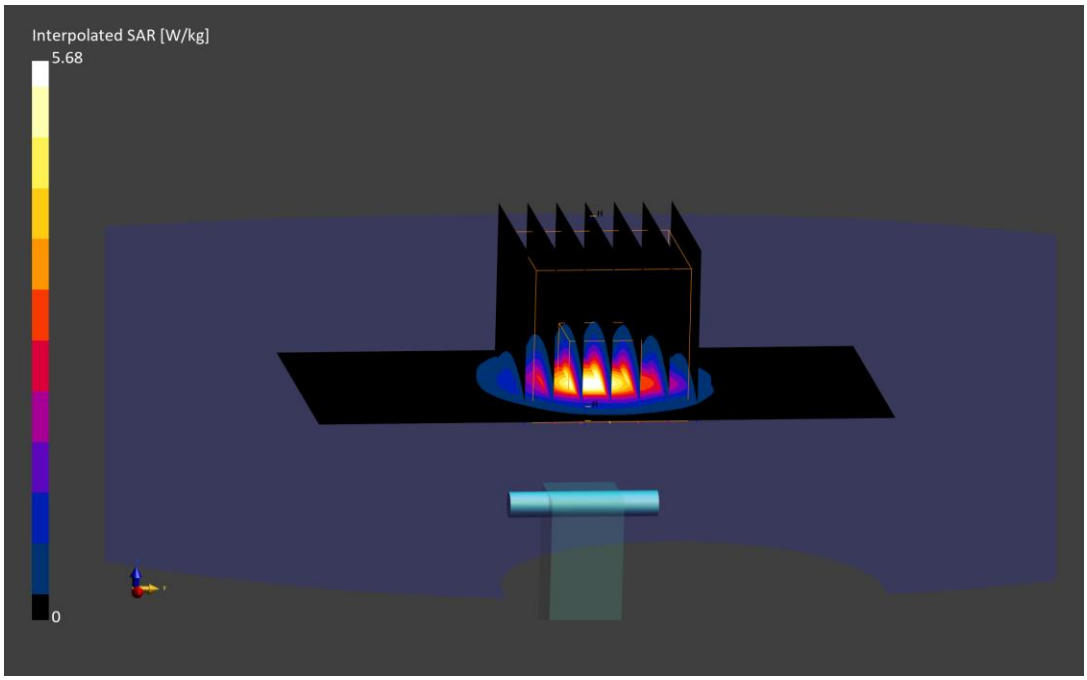
Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 4.98 S/m; perm = 34.1; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/22/2024; Ambient Temp: 21.5°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7427; ConvF:(4.18,4.62,4.72); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5600.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 17.0 W/kg
**SAR(1 g) = 4.16 W/kg; SAR(10 g) = 1.18 W/kg**
Deviation (1 g) = -0.83%; Deviation (10 g) = -2.07%



# ELEMENT

### DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1066

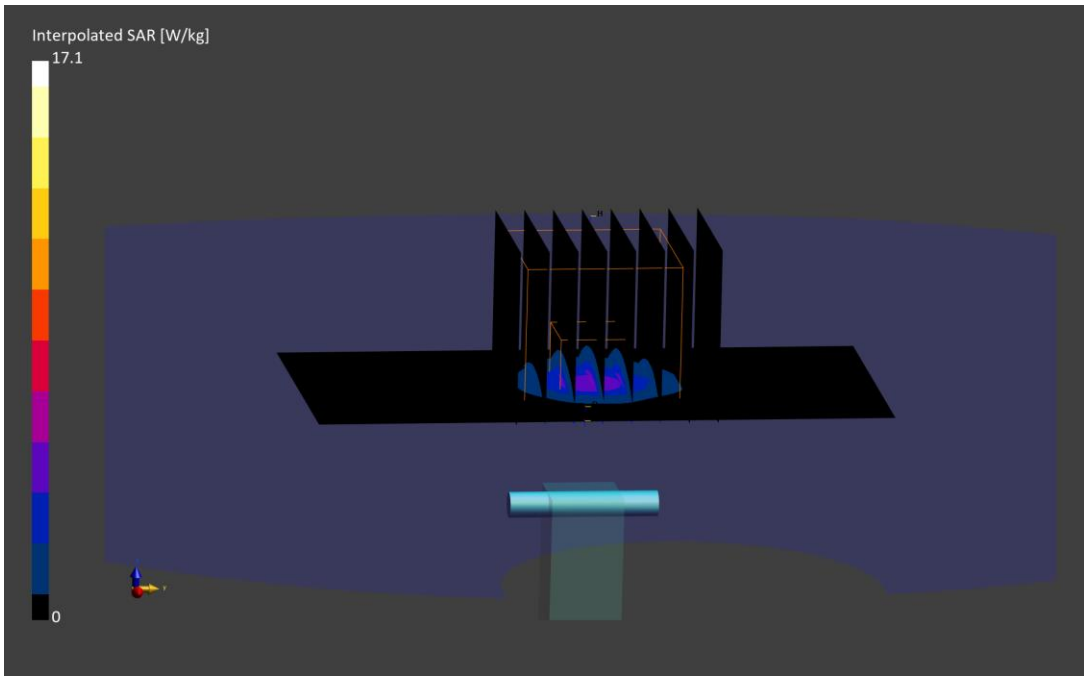
Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 4.93 S/m; perm = 34.1; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2024; Ambient Temp: 20.8°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7427; ConvF:(4.18,4.62,4.72); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5600.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 17.1 W/kg
**SAR(1 g) = 4.12 W/kg; SAR(10 g) = 1.18 W/kg**
Deviation (1 g) = -1.79%; Deviation (10 g) = -2.07%



# ELEMENT

**DUT: Dipole 5600.0 MHz; Type: D5GHzV2 - SN1123**

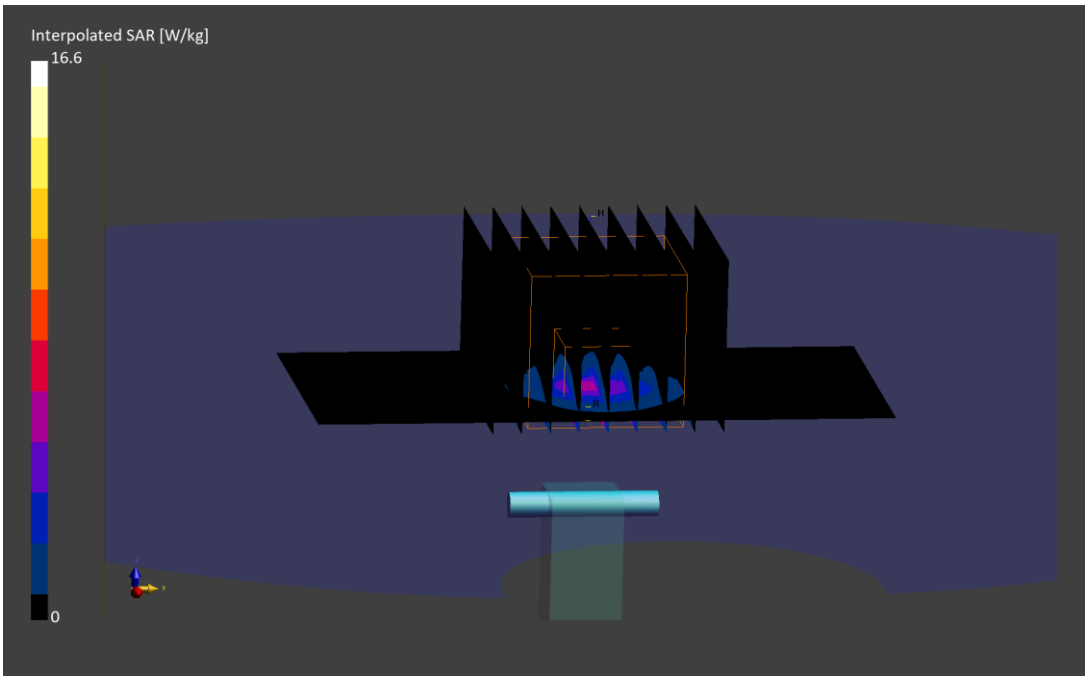
Communication System: UID: 0, CW; Frequency: 5600.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5600.0 MHz; cond = 5.01 S/m; perm = 34.0; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2024; Ambient Temp: 21.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3949; ConvF:(5.11,5.11,5.11); Calibrated: 2023-10-02
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1684; Calibrated: 2023-09-12
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.4.2524

## 5600.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 16.7 W/kg
**SAR(1 g) = 4.05 W/kg; SAR(10 g) = 1.14 W/kg**
Deviation (1 g) = -1.82%; Deviation (10 g) = -3.39%



# ELEMENT

### DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1066

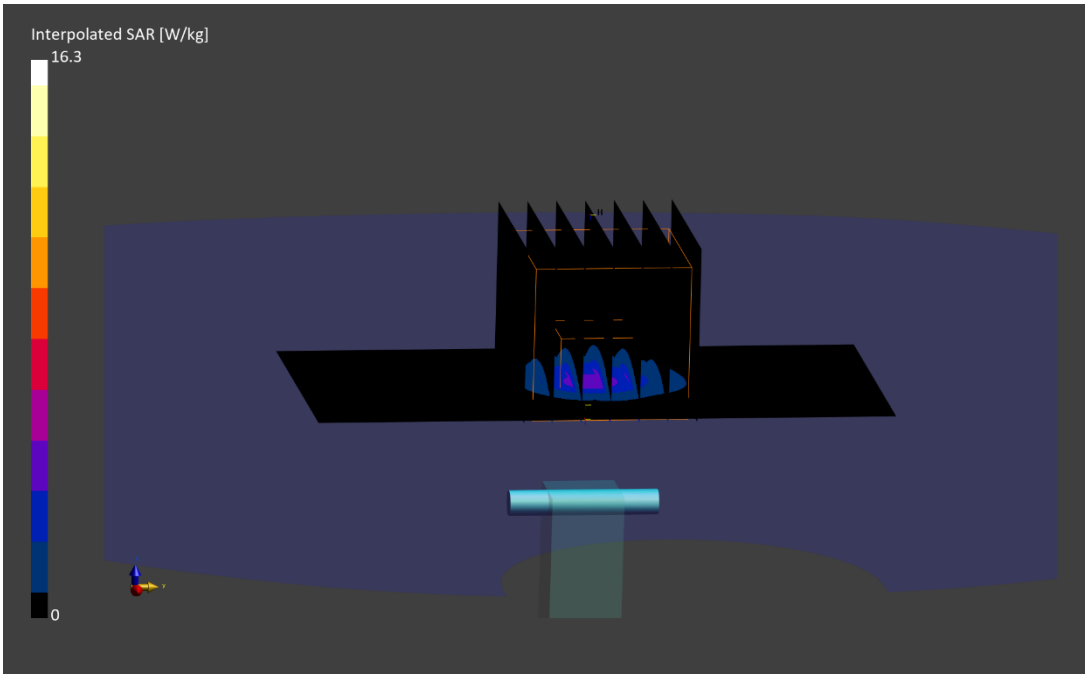
Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.19 S/m; perm = 34.8; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/17/2024; Ambient Temp: 21.2°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7427; ConvF:(4.35,4.78,4.93); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5750.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 16.3 W/kg
**SAR(1 g) = 3.81 W/kg; SAR(10 g) = 1.09 W/kg**
Deviation (1 g) = -4.15%; Deviation (10 g) = -3.54%



# ELEMENT

**DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1066**

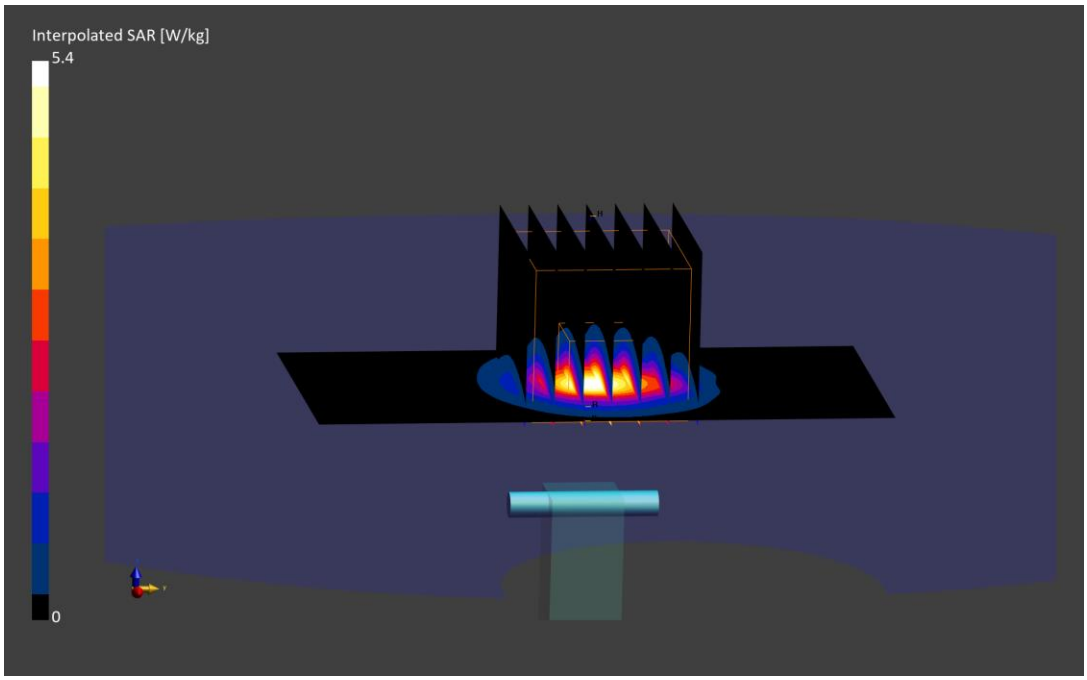
Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.14 S/m; perm = 33.9; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/22/2024; Ambient Temp: 21.5°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7427; ConvF:(4.35,4.78,4.93); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5750.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 16.9 W/kg
**SAR(1 g) = 3.95 W/kg; SAR(10 g) = 1.13 W/kg**
Deviation (1 g) = -0.63%; Deviation (10 g) = 0.00%



# ELEMENT

**DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1066**

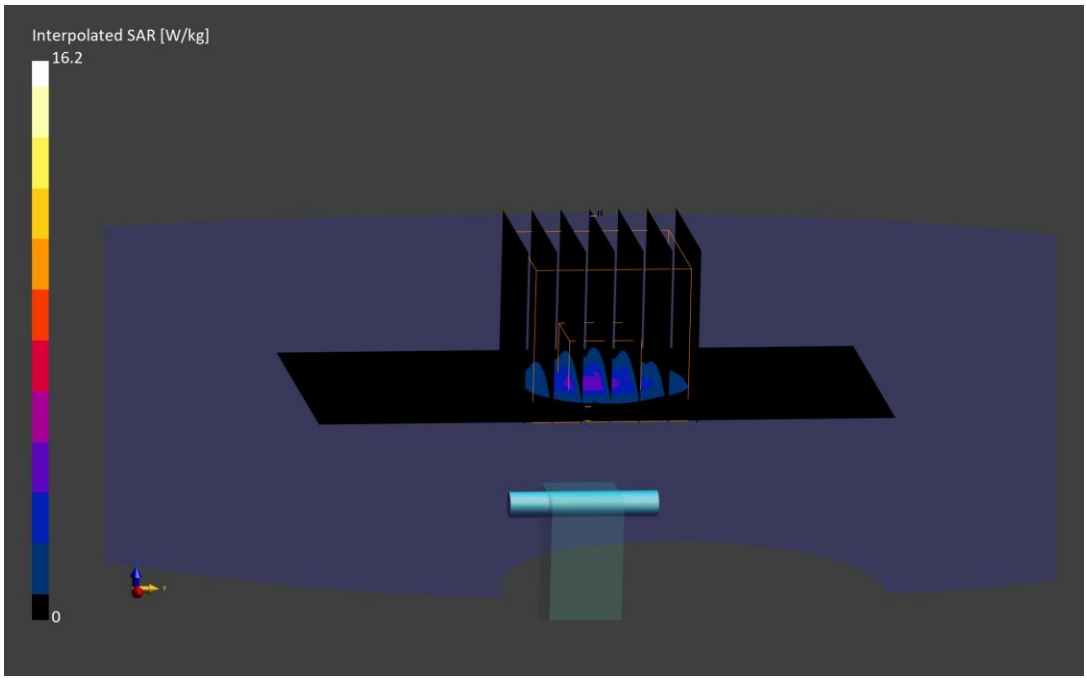
Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.10 S/m; perm = 33.8; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2024; Ambient Temp: 20.8°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7427; ConvF:(4.35,4.78,4.93); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5750.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 16.2 W/kg
**SAR(1 g) = 3.80 W/kg; SAR(10 g) = 1.09 W/kg**
Deviation (1 g) = -4.40%; Deviation (10 g) = -3.54%



# ELEMENT

### DUT: Dipole 5750.0 MHz; Type: D5GHzV2 - SN1123

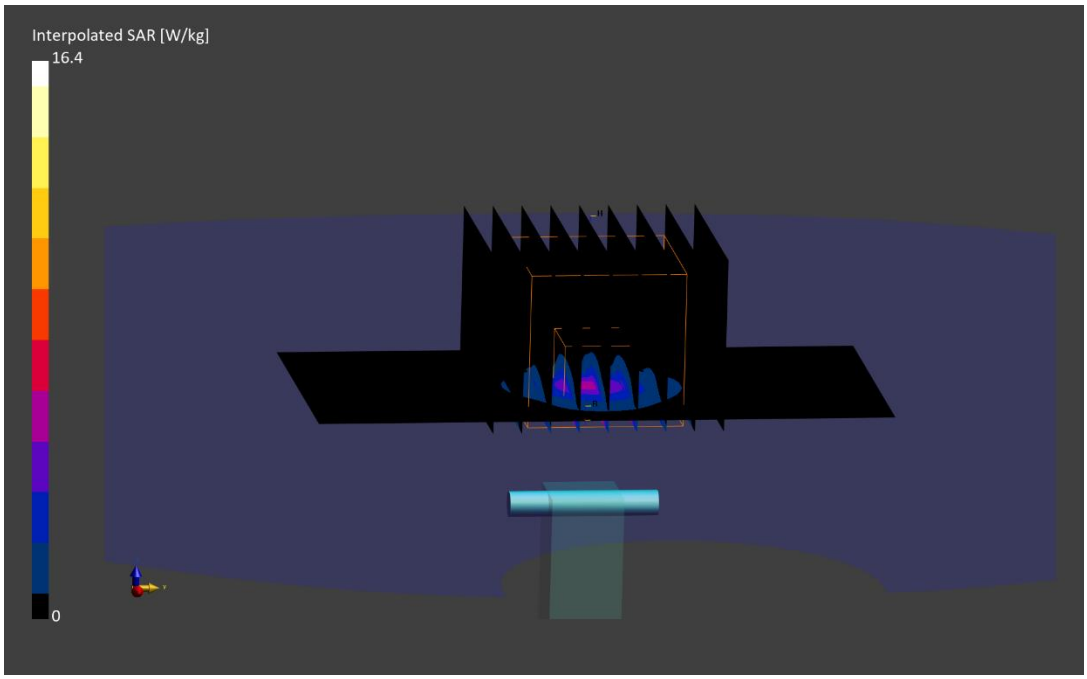
Communication System: UID: 0, CW; Frequency: 5750.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5750.0 MHz; cond = 5.18 S/m; perm = 33.7; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2024; Ambient Temp: 21.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3949; ConvF:(5.31,5.31,5.31); Calibrated: 2023-10-02
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1684; Calibrated: 2023-09-12
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.4.2524

## 5750.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 16.4 W/kg
**SAR(1 g) = 3.88 W/kg; SAR(10 g) = 1.10 W/kg**
Deviation (1 g) = -2.27%; Deviation (10 g) = -2.65%



# ELEMENT

**DUT: Dipole 5850.0 MHz; Type: D5GHzV2 - SN1066**

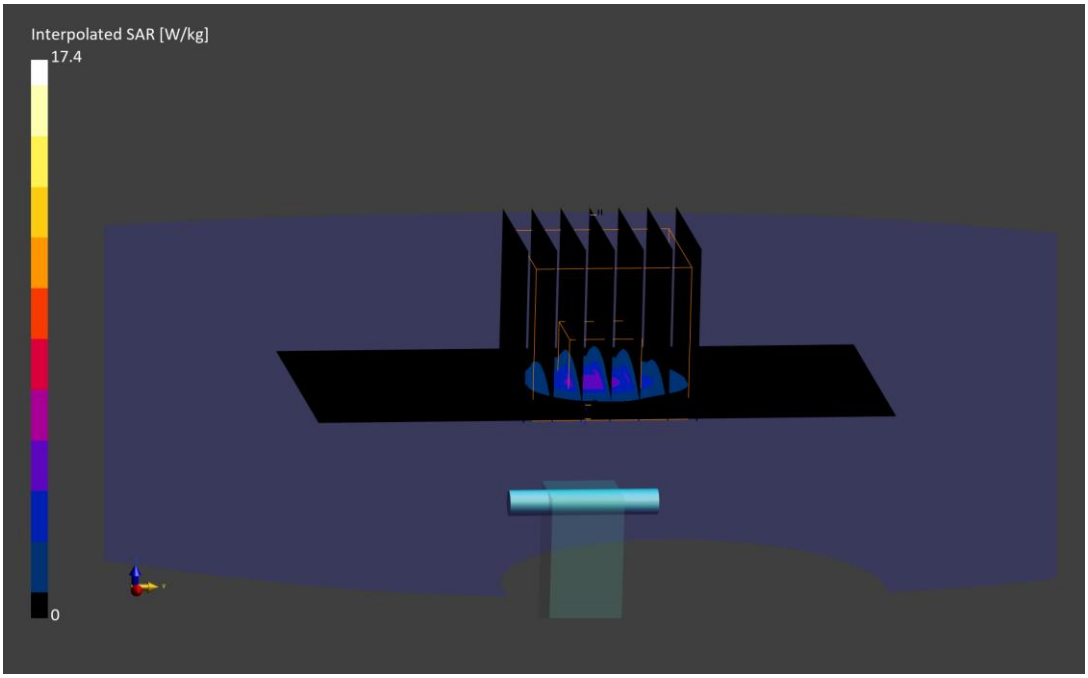
Communication System: UID: 0, CW; Frequency: 5850.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5850.0 MHz; cond = 5.30 S/m; perm = 34.6; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/17/2024; Ambient Temp: 21.2°C; Tissue Temp: 20.4°C

Probe: EX3DV4 - SN7427; ConvF:(4.04,4.57,4.63); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5850.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 17.4 W/kg
**SAR(1 g) = 4.07 W/kg; SAR(10 g) = 1.15 W/kg**
Deviation (1 g) = -0.97%; Deviation (10 g) = -1.71%



# ELEMENT

### DUT: Dipole 5850.0 MHz; Type: D5GHzV2 - SN1066

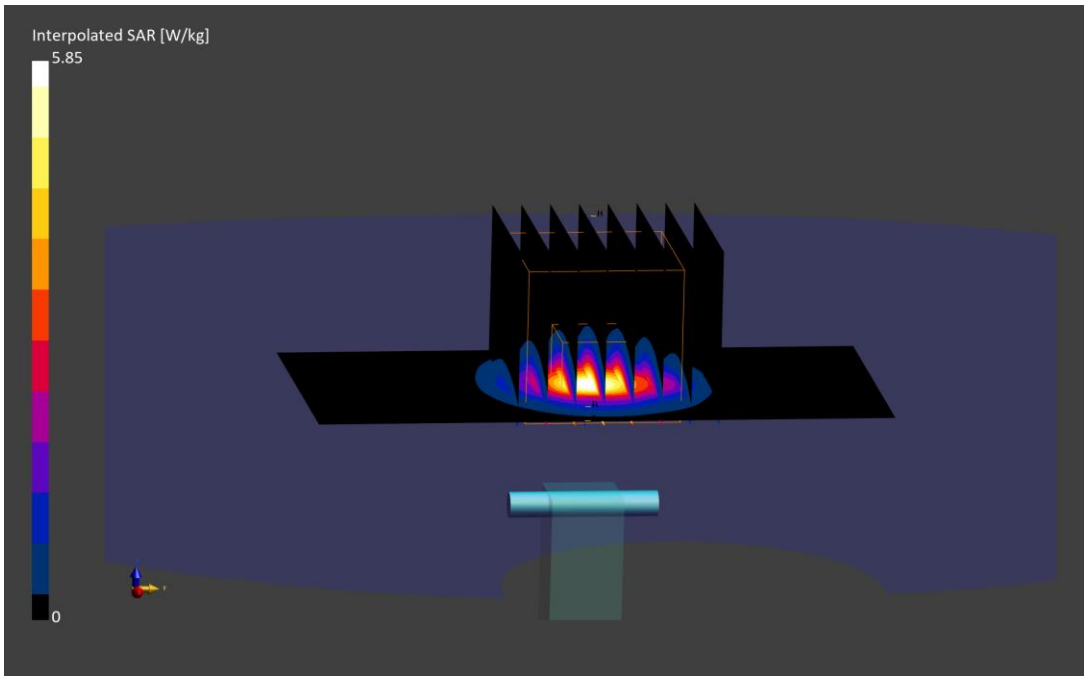
Communication System: UID: 0, CW; Frequency: 5850.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5850.0 MHz; cond = 5.25 S/m; perm = 33.7; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/22/2024; Ambient Temp: 21.5°C; Tissue Temp: 19.6°C

Probe: EX3DV4 - SN7427; ConvF:(4.04,4.57,4.63); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5850.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 17.7 W/kg
**SAR(1 g) = 4.16 W/kg; SAR(10 g) = 1.17 W/kg**
Deviation (1 g) = 1.22%; Deviation (10 g) = 0.00%



# ELEMENT

### DUT: Dipole 5850.0 MHz; Type: D5GHzV2 - SN1066

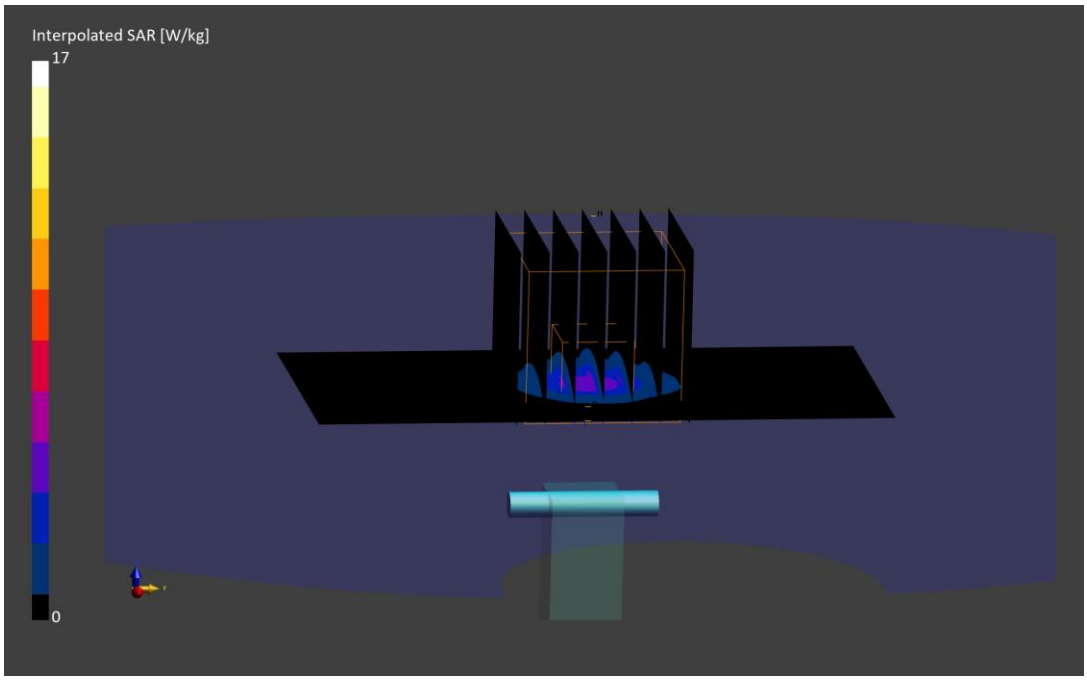
Communication System: UID: 0, CW; Frequency: 5850.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5850.0 MHz; cond = 5.20 S/m; perm = 33.7; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 06/27/2024; Ambient Temp: 20.8°C; Tissue Temp: 19.8°C

Probe: EX3DV4 - SN7427; ConvF:(4.04,4.57,4.63); Calibrated: 2024-02-09
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn467; Calibrated: 2024-02-09
Phantom: Twin-SAM V8.0; Serial: 2070
Measurement SW: DASY Module SAR V16.2.4.2524

## 5850.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 17.0 W/kg
**SAR(1 g) = 3.96 W/kg; SAR(10 g) = 1.12 W/kg**
Deviation (1 g) = -3.65%; Deviation (10 g) = -4.27%



# ELEMENT

### DUT: Dipole 5850.0 MHz; Type: D5GHzV2 - SN1123

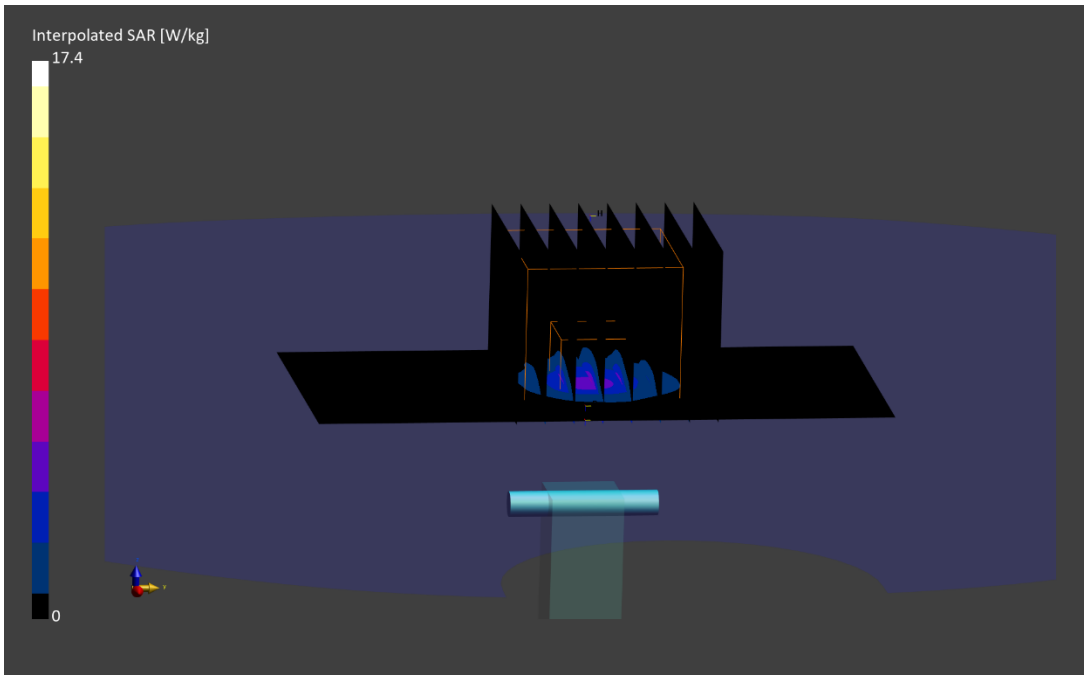
Communication System: UID: 0, CW; Frequency: 5850.0 MHz
Medium: 5200-5800 Head; Medium parameters used:
f = 5850.0 MHz; cond = 5.30 S/m; perm = 33.6; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 10 mm

Test Date: 07/10/2024; Ambient Temp: 21.6°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN3949; ConvF:(5.21,5.21,5.21); Calibrated: 2023-10-02
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1684; Calibrated: 2023-09-12
Phantom: Twin-SAM V8.0; Serial: 1736
Measurement SW: DASY Module SAR V16.2.4.2524

## 5850.0 MHz System Verification at 17.0 dBm (50 mW)

**Area Scan (40.0 x 80.0):** Measurement grid: dx=10.0 mm, dy=10.0 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=4.0 mm, dy=4.0 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 17.4 W/kg
**SAR(1 g) = 3.97 W/kg; SAR(10 g) = 1.12 W/kg**
Deviation (1 g) = -0.87%; Deviation (10 g) = -1.75%



# ELEMENT

**DUT: Dipole 6500.0 MHz; Type: D6.5GHzV2 - SN1019**

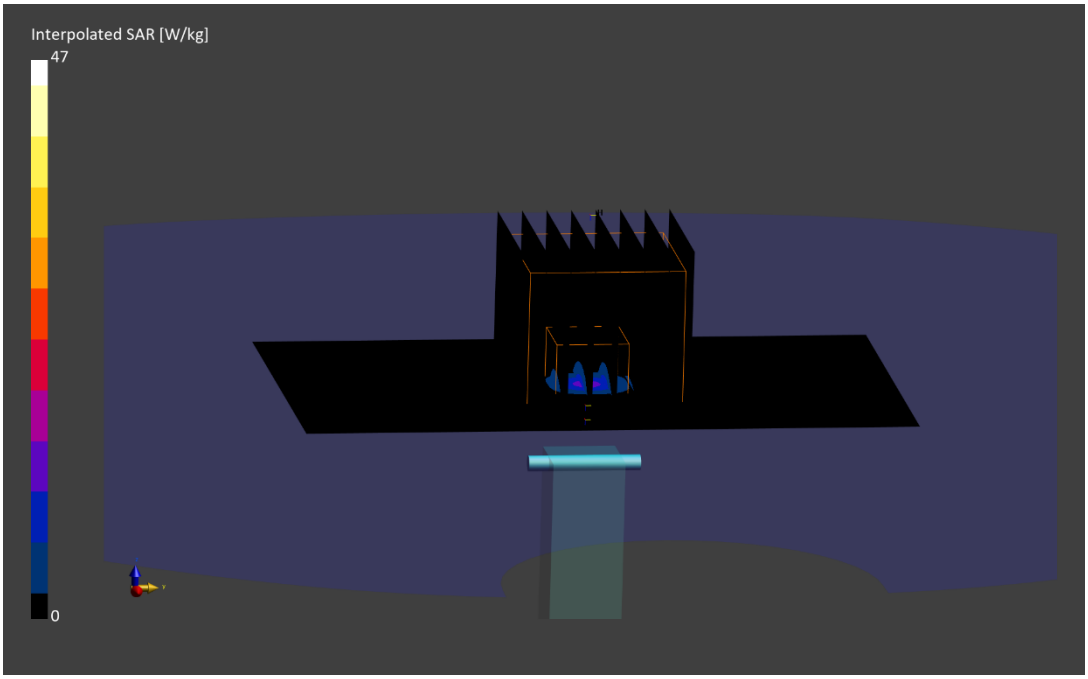
Communication System: UID: 0, CW; Frequency: 6500.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 6500.0 MHz; cond = 5.92 S/m; perm = 35.5; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 5 mm

Test Date: 07/08/2024; Ambient Temp: 21.2°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7421; ConvF:(5.35,5.35,5.35); Calibrated: 2024-03-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn604; Calibrated: 2024-03-06
Phantom: Twin-SAM V8.0; Serial: 2067
Measurement SW: DASY Module SAR V16.2.4.2524

## 6500.0 MHz System Verification at 14.0 dBm (25 mW)

**Area Scan (51.0 x 85.0):** Measurement grid: dx=8.5 mm, dy=8.5 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=3.4 mm, dy=3.4 mm, dz=1.4 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 47.0 W/kg
**SAR(1 g) = 7.63 W/kg; SAR(10 g) = 1.41 W/kg; APD(4$cm^2$) = 34.4 W/$m^2$**
Deviation (1 g) = 4.16%; Deviation (10 g) = 4.25%; Deviation (APD) = 4.24%



# ELEMENT

### DUT: Dipole 8000.0 MHz; Type: D8GHzV2 - SN1006

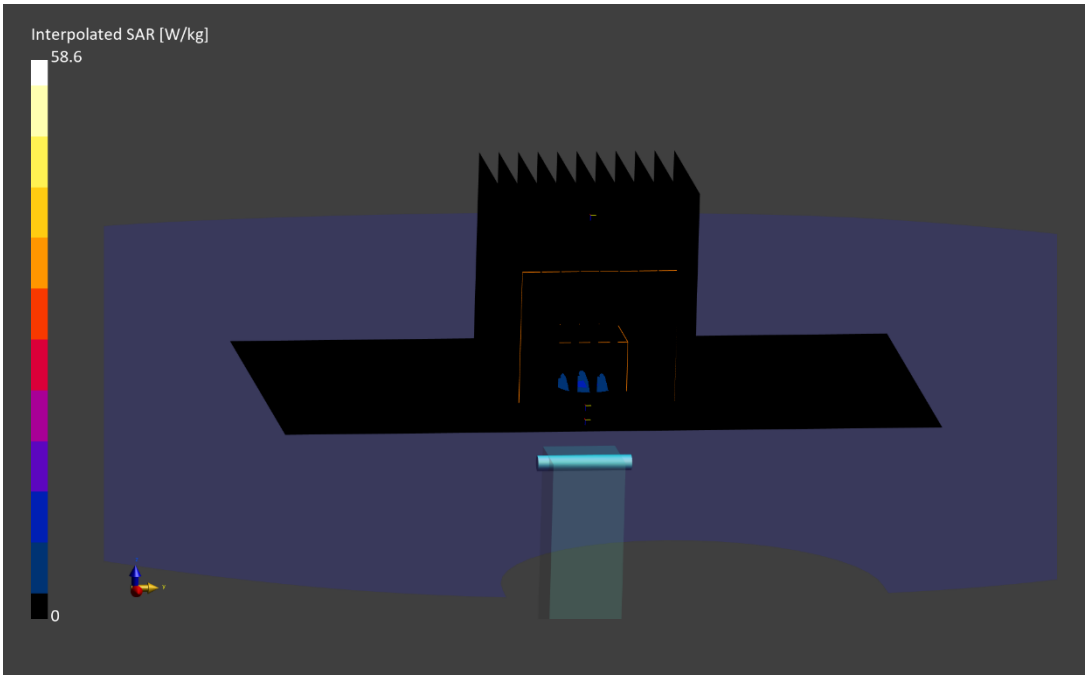
Communication System: UID: 0, CW; Frequency: 8000.0 MHz
Medium: 6000 Head; Medium parameters used:
f = 8000.0 MHz; cond = 7.74 S/m; perm = 33.2; density = 1000 kg/$m^3$
Phantom Section: Flat; Space: 5 mm

Test Date: 07/08/2024; Ambient Temp: 21.2°C; Tissue Temp: 19.7°C

Probe: EX3DV4 - SN7421; ConvF:(5.25,5.25,5.25); Calibrated: 2024-03-11
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn604; Calibrated: 2024-03-06
Phantom: Twin-SAM V8.0; Serial: 2067
Measurement SW: DASY Module SAR V16.2.4.2524

## 8000.0 MHz System Verification at 14.0 dBm (25 mW)

**Area Scan (52.0 x 91.0):** Measurement grid: dx=6.5 mm, dy=6.5 mm
**Zoom Scan (22.0 x 22.0 x 22.0):** Measurement grid: dx=2.7 mm, dy=2.7 mm, dz=1.3 mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 58.7 W/kg
**SAR(1 g) = 6.79 W/kg; SAR(10 g) = 1.15 W/kg; APD(4$cm^2$) = 28.2 W/$m^2$**
Deviation (1 g) = 0.59%; Deviation (10 g) = 1.32%; Deviation (APD) = 1.62%



element

# ELEMENT

**Date: 07/03/2024**

10 GHz System Verification

## Device Under Test Properties

| DUT | Serial Number |
|---|---|
| 10 GHz Verification Source | 1006 |

## Exposure Conditions

| Phantom Section | Position | Test Distance [mm] | Band | Frequency [MHz] |
|---|---|---|---|---|
| 5G | FRONT | 10.00 | Validation band | 10000.0 |

## Hardware Setup

| Probe, Calibration Date | DAE, Calibration Date |
|---|---|
| EUmmWV4 - SN9487, 04/08/2024 | DAE4 - SN793, 10/18/2023 |

## Software Setup

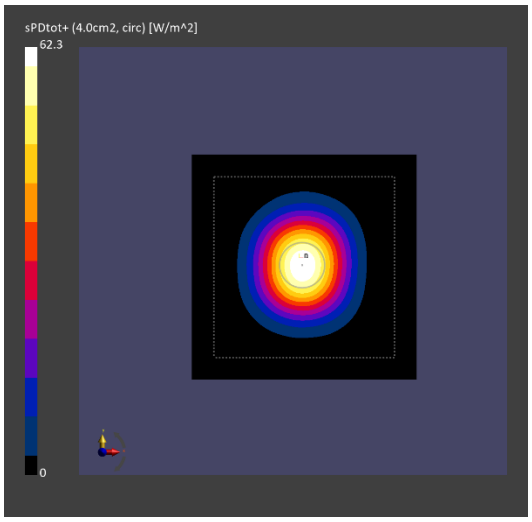
| Software | Software Version |
|---|---|
| cDASY6 Module mmWave | 3.2.0.1840 |

## Scans Setup

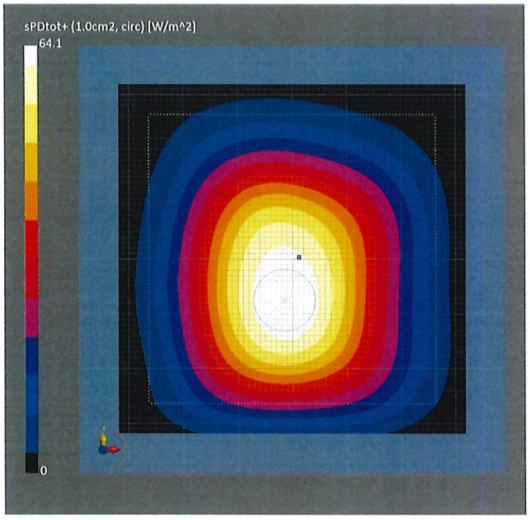
| | |
|---|---|
| **Scan Type** | 5G Scan |
| **Grid Extents [mm]** | 60.0 x 60.0 |
| **Grid Steps [lambda]** | 0.25 x 0.25 |
| **Sensor Surface [mm]** | 10.0 |

## Measurement Results

| | |
|---|---|
| **Scan Type** | 5G Scan |
| **Avg. Area [cm²]** | 4.00 |
| **$pS_{tot}$ avg [W/m²]** | 62.3 |
| **$pS_n$ avg [W/m²]** | 62.1 |
| **$E_{peak}$ [V/m]** | 162 |
| **Deviation [dB] $pS_{tot}$** | 0.24 |
| **Deviation [dB] $pS_n$** | 0.26 |




10 GHz System Verification




Calibration Certificate