APPENDIX A: VERIFICATION PLOTS

ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1034

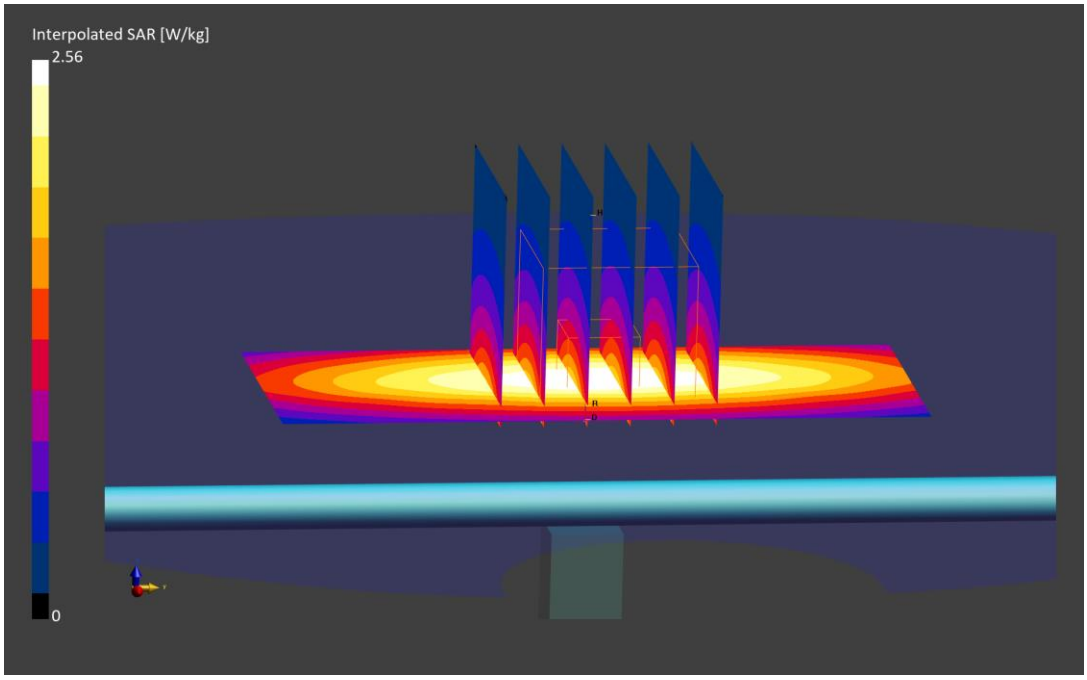
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.870 S/m; perm = 43.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 03/07/2024; Ambient Temp: 22.5°C; Tissue Temp: 21.1°C

Probe: EX3DV4 - SN7782; ConvF:(9.26,9.26,9.26); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; 2023-09-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

750.0 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 2.56 W/kg
SAR(1 g) = 1.65 W/kg; SAR(10 g) = 1.09 W/kg
Deviation (1 g) = -4.51%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d040

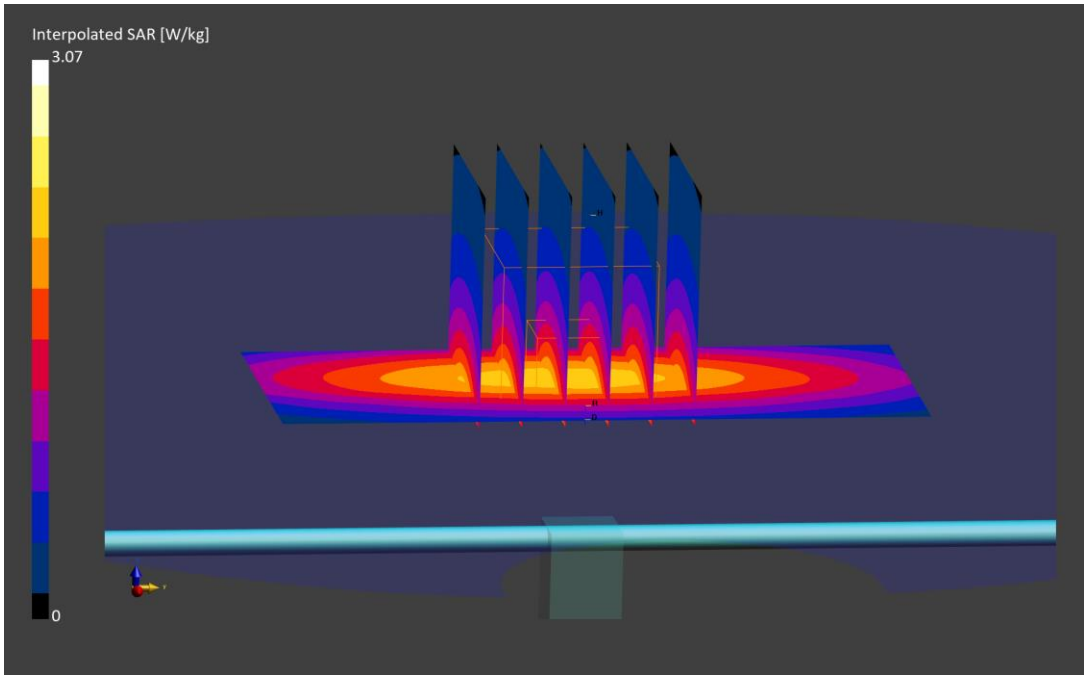
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.876 S/m; perm = 43.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 03/08/2024; Ambient Temp: 23.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7782; ConvF:(8.99,8.99,8.99); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; 2023-09-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

835.0 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 3.07 W/kg
SAR(1 g) = 1.92 W/kg; SAR(10 g) = 1.26 W/kg
Deviation (1 g) = -1.94%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d131

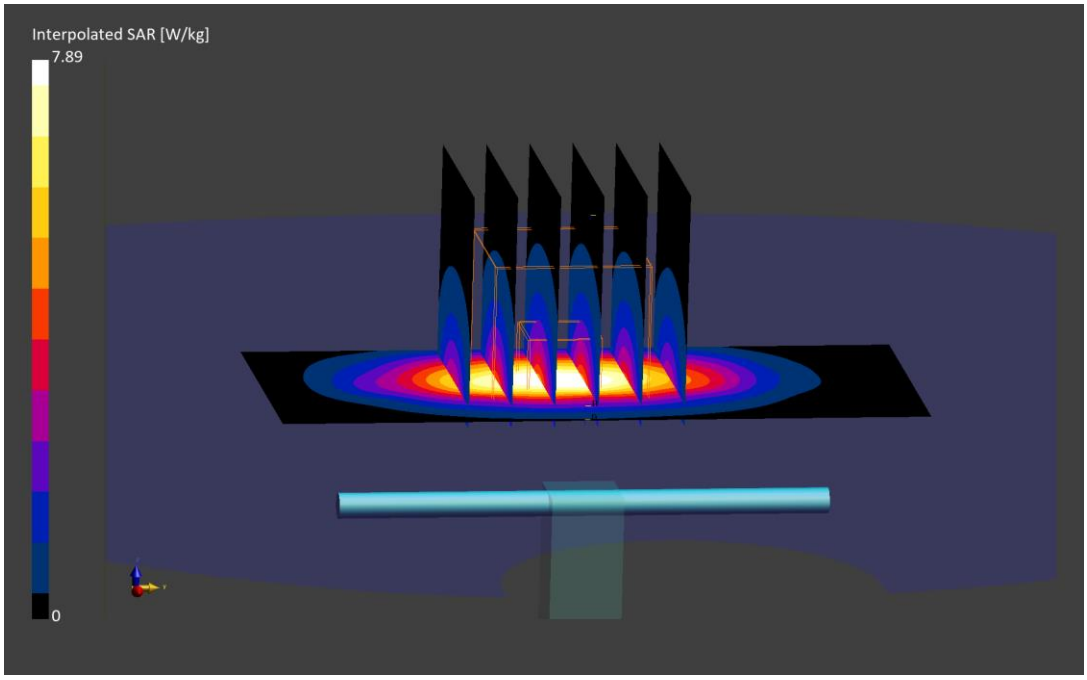
Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 835 Head; Medium parameters used:
f = 1900.0 MHz; cond = 1.39 S/m; perm = 41.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/08/2024; Ambient Temp: 23.3°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN7782; ConvF:(7.76,7.76,7.76); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; 2023-09-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

1900.0 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 7.89 W/kg
SAR(1 g) = 4.00 W/kg; SAR(10 g) = 2.07 W/kg
Deviation (1 g) = -0.25%



ELEMENT

DUT: Dipole 2450.0 MHz; Type: D2450V2 - SN750

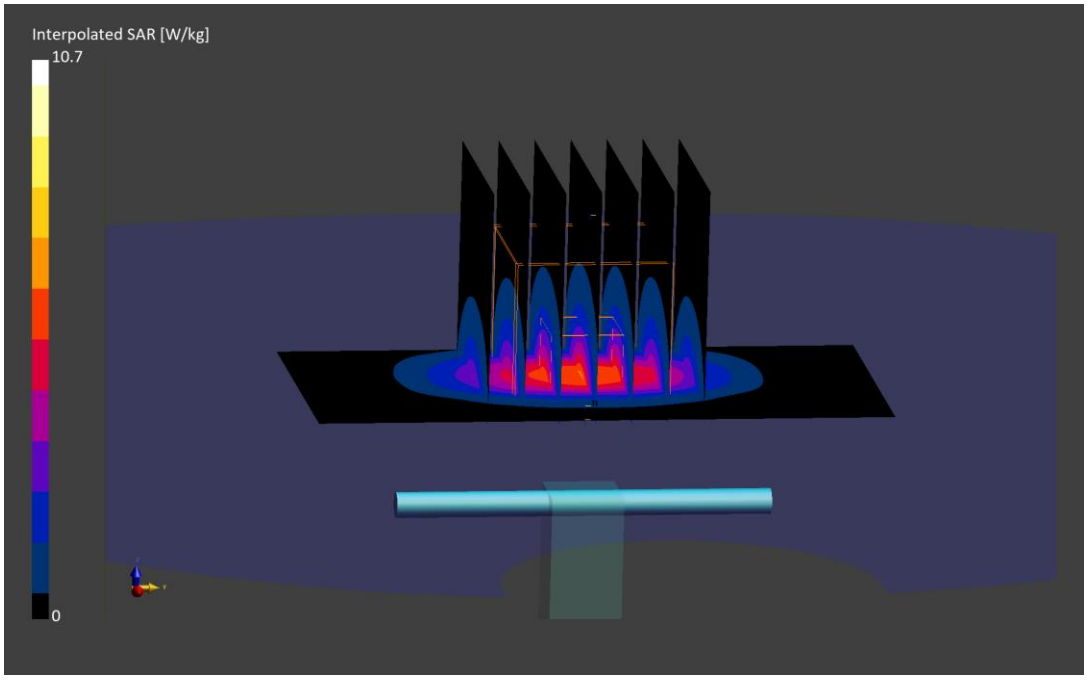
Communication System: UID: 0, CW; Frequency: 2450.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2450.0 MHz; cond = 1.77 S/m; perm = 40.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/11/2024; Ambient Temp: 22.7°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7782; ConvF:(7.11,7.11,7.11); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; 2023-09-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

2450.0 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 10.7 W/kg
SAR(1 g) = 5.05 W/kg; SAR(10 g) = 2.36 W/kg
Deviation (1 g) = -3.99%



ELEMENT

DUT: Dipole 2600.0 MHz; Type: D2600V2 - SN1042

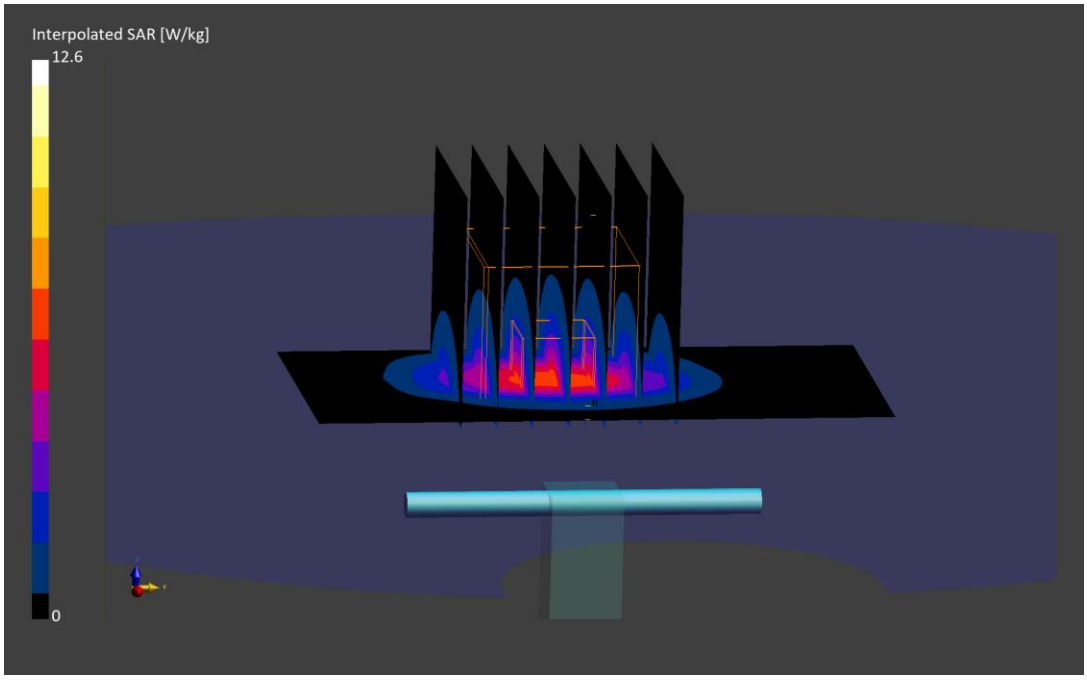
Communication System: UID: 0, CW; Frequency: 2600.0 MHz
Medium: 2450 Head; Medium parameters used:
f = 2600.0 MHz; cond = 1.89 S/m; perm = 40.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/11/2024; Ambient Temp: 22.7°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7782; ConvF:(6.99,6.99,6.99); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; 2023-09-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

2600.0 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.5 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 12.6 W/kg
SAR(1 g) = 5.66 W/kg; SAR(10 g) = 2.54 W/kg
Deviation (1 g) = 1.43%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1097

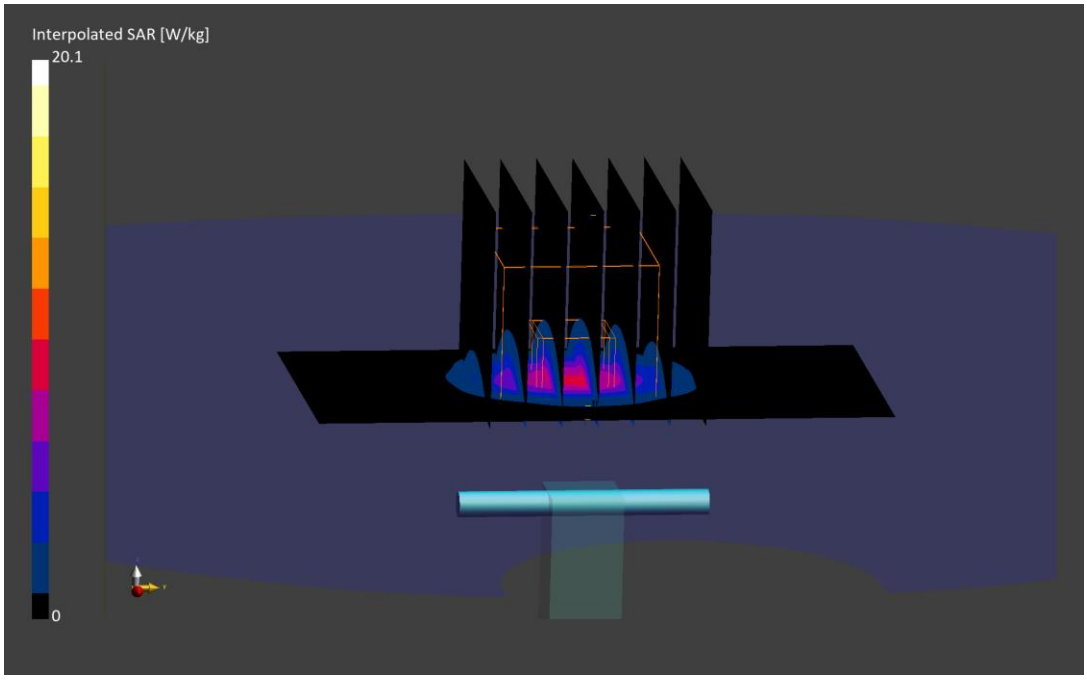
Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3700.0 MHz; cond = 3.12 S/m; perm = 37.4; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/12/2024; Ambient Temp: 22.0°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7782; ConvF:(6.18,6.18,6.18); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; 2023-09-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

3700.0 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 20.1 W/kg
SAR(1 g) = 6.88 W/kg; SAR(10 g) = 2.49 W/kg
Deviation (1 g) = 1.03%



ELEMENT

DUT: Dipole 3900.0 MHz; Type: D3900V2 - SN1073

Communication System: UID: 0, CW; Frequency: 3900.0 MHz
Medium: 3600 Head; Medium parameters used:
f = 3900.0 MHz; cond = 3.30 S/m; perm = 37.1; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 03/12/2024; Ambient Temp: 22.0°C; Tissue Temp: 22.3°C

Probe: EX3DV4 - SN7782; ConvF:(5.65,5.65,5.65); 2023-09-12
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1646; 2023-09-08
Phantom: Twin-SAM V8.0; Serial: 1944
Measurement SW: DASY Module SAR V16.2.0.1425

3900.0 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (40.0 x 80.0): Measurement grid: dx=10.0 mm, dy=10.0 mm
Zoom Scan (28.0 x 28.0 x 28.0): Measurement grid: dx=5.0 mm, dy=5.0 mm, dz=1.4 mm; Graded Ratio: 1.5
Peak SAR (extrapolated) = 19.4 W/kg
SAR(1 g) = 6.69 W/kg; SAR(10 g) = 2.33 W/kg
Deviation (1 g) = -4.02%