

APPENDIX B: SAR DIPOLE VERIFICATION PLOTS

ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1054

Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Head; Medium parameters used:
f = 750.0 MHz; cond = 0.877 S/m; perm = 42.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 01/23/2024; Ambient Temp: 22.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(9.96,9.96,9.96); 2023-07-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; 2023-07-10
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

750.0 MHz System Verification at 23.0 dBm (200 mW)

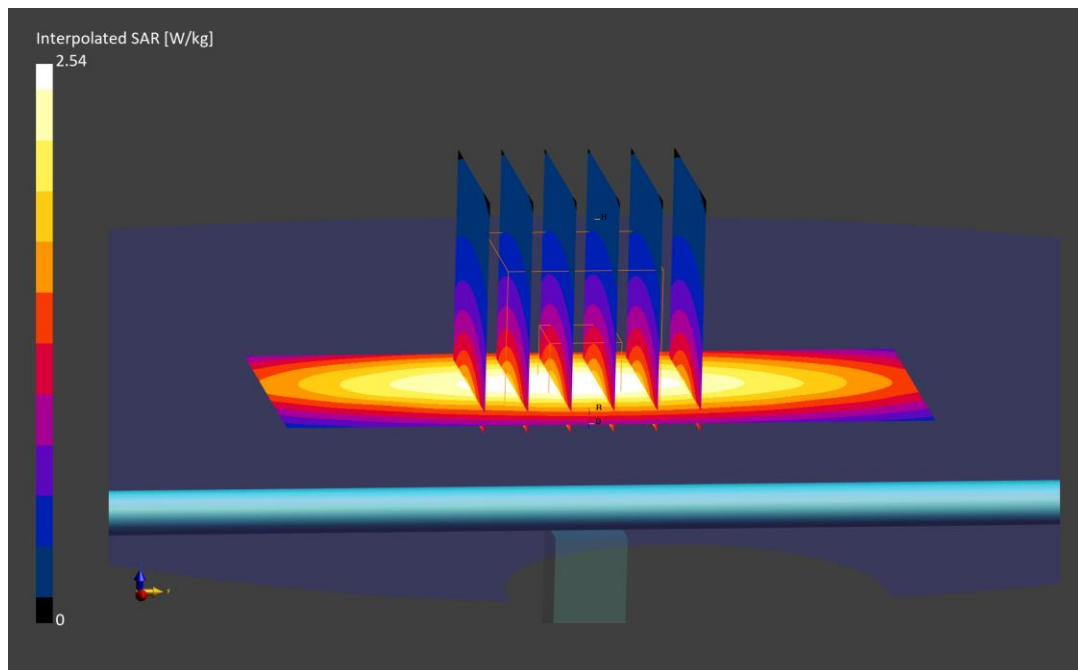
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

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) = 2.54 W/kg

SAR(1 g) = 1.63 W/kg; SAR(10 g) = 1.07 W/kg

Deviation (1 g) = -4.34%; Deviation (10 g) = -4.46%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d133

Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Head; Medium parameters used:
f = 835.0 MHz; cond = 0.907 S/m; perm = 42.0; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 01/23/2024; Ambient Temp: 22.9°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7406; ConvF:(9.71,9.71,9.71); 2023-07-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; 2023-07-10
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

835.0 MHz System Verification at 23.0 dBm (200 mW)

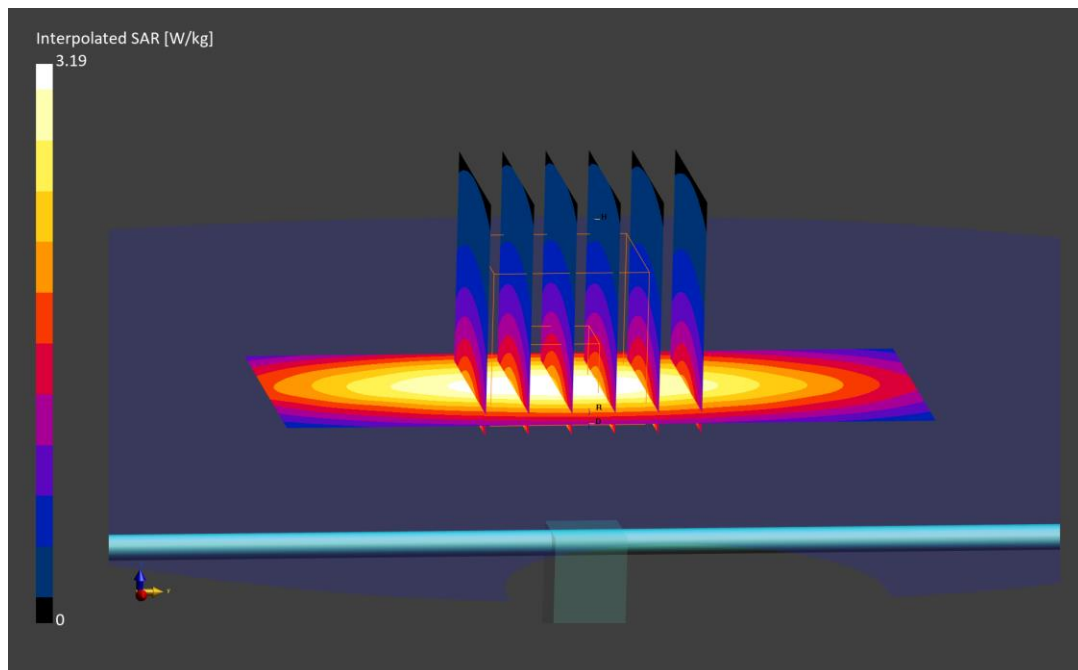
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.28 W/kg

Deviation (1 g) = 0.41%; Deviation (10 g) = 0.47%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1765V2 - SN1008

Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Head; Medium parameters used:
f = 1750.0 MHz; cond = 1.32 S/m; perm = 39.6; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 01/22/2024; Ambient Temp: 20.3°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7406; ConvF:(8.33,8.33,8.33); 2023-07-07
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1677; 2023-07-10
Phantom: Twin-SAM V8.0; Serial: 2056
Measurement SW: DASY Module SAR V16.2.0.1425

1750.0 MHz System Verification at 20.0 dBm (100 mW)

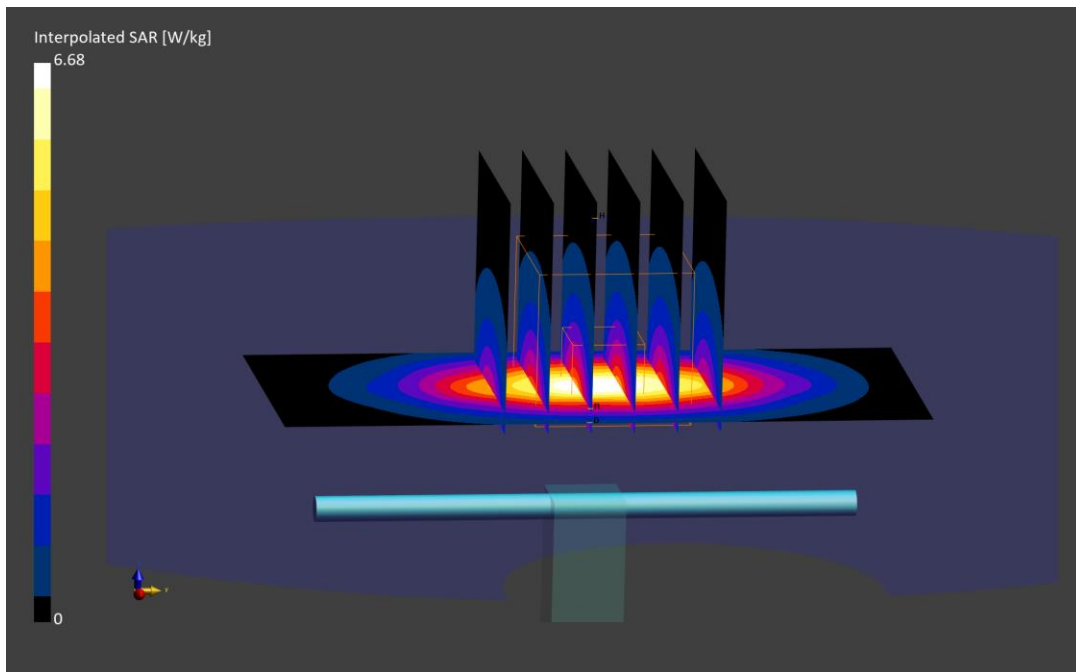
Area Scan (40.0 x 90.0): Measurement grid: dx=10.0 mm, dy=15.0 mm

Zoom Scan (30.0 x 30.0 x 30.0): Measurement grid: dx=6.0 mm, dy=6.0 mm, dz=1.5 mm; Graded Ratio: 1.5

Peak SAR (extrapolated) = 6.68 W/kg

SAR(1 g) = 3.53 W/kg; SAR(10 g) = 1.88 W/kg

Deviation (1 g) = -5.61%; Deviation (10 g) = -4.08%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

Communication System: UID: 0, CW; Frequency: 1900.0 MHz

Medium: 1900 Head; Medium parameters used:

f = 1900.0 MHz; cond = 1.39 S/m; perm = 39.2; density = 1000 kg/m³

Phantom Section: Flat; Space: 10 mm

Test Date: 01/22/2024; Ambient Temp: 20.3°C; Tissue Temp: 19.1°C

Probe: EX3DV4 - SN7406; ConvF:(8.03,8.03,8.03); 2023-07-07

Sensor-Surface: 1.4mm (VMS + 6p)

Electronics: DAE4 Sn1677; 2023-07-10

Phantom: Twin-SAM V8.0; Serial: 2056

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) = 7.69 W/kg

SAR(1 g) = 3.95 W/kg; SAR(10 g) = 2.05 W/kg

Deviation (1 g) = -2.47%; Deviation (10 g) = -3.30%

