

APPENDIX A: VERIFICATION PLOTS

ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1161

Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Body; Medium parameters used:
f = 750.0 MHz; cond = 0.963 S/m; perm = 55.1; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 03/27/2023; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

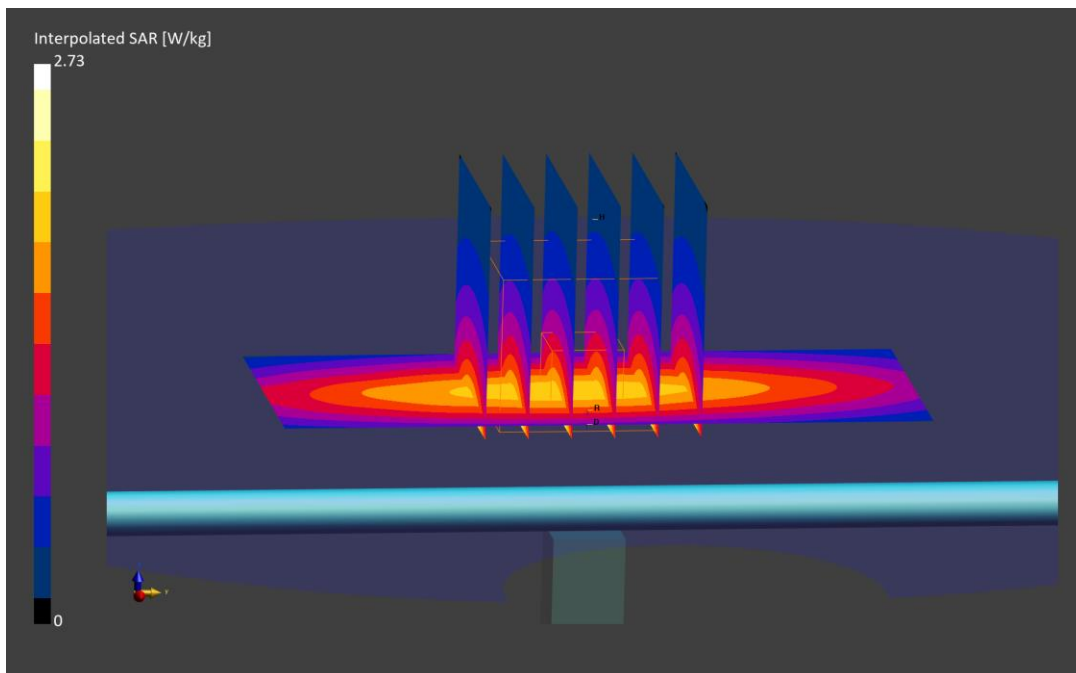
Probe: EX3DV4 - SN7670; ConvF:(10.16,10.16,10.16); Calibrated: 2022-08-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.2.0.1425

750 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) = 2.73 W/kg
SAR(1 g) = 1.73 W/kg; SAR(10 g) = 1.15 W/kg
Deviation (1 g) = -1.59%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d132

Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 750 Body; Medium parameters used:
f = 835.0 MHz; cond = 0.997 S/m; perm = 54.9; density = 1000 kg/m³
Phantom Section: Flat; Space: 15 mm

Test Date: 03/27/2023; Ambient Temp: 22.0°C; Tissue Temp: 21.0°C

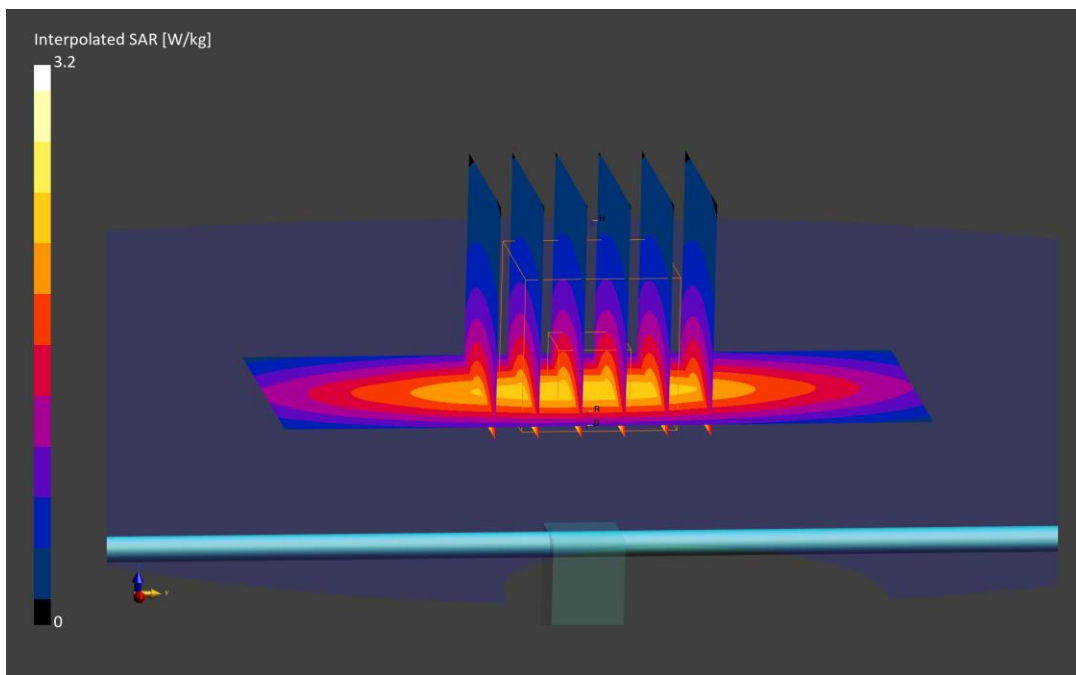
Probe: EX3DV4 - SN7670; ConvF:(9.89,9.89,9.89); Calibrated: 2022-08-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.2.0.1425

835 MHz System Verification at 23 dBm (200 mW)

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

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

Peak SAR (extrapolated) = 3.20 W/kg
SAR(1 g) = 2.05 W/kg; SAR(10 g) = 1.35 W/kg
Deviation (1 g) = 4.49%



ELEMENT

DUT: Dipole 1900.0 MHz; Type: D1900V2 - SN5d149

Communication System: UID: 0, CW; Frequency: 1900.0 MHz
Medium: 1900 Body; Medium parameters used:
f = 1900.0 MHz; cond = 1.57 S/m; perm = 53.7; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 03/20/2023; Ambient Temp: 19.7°C; Tissue Temp: 19.1°C

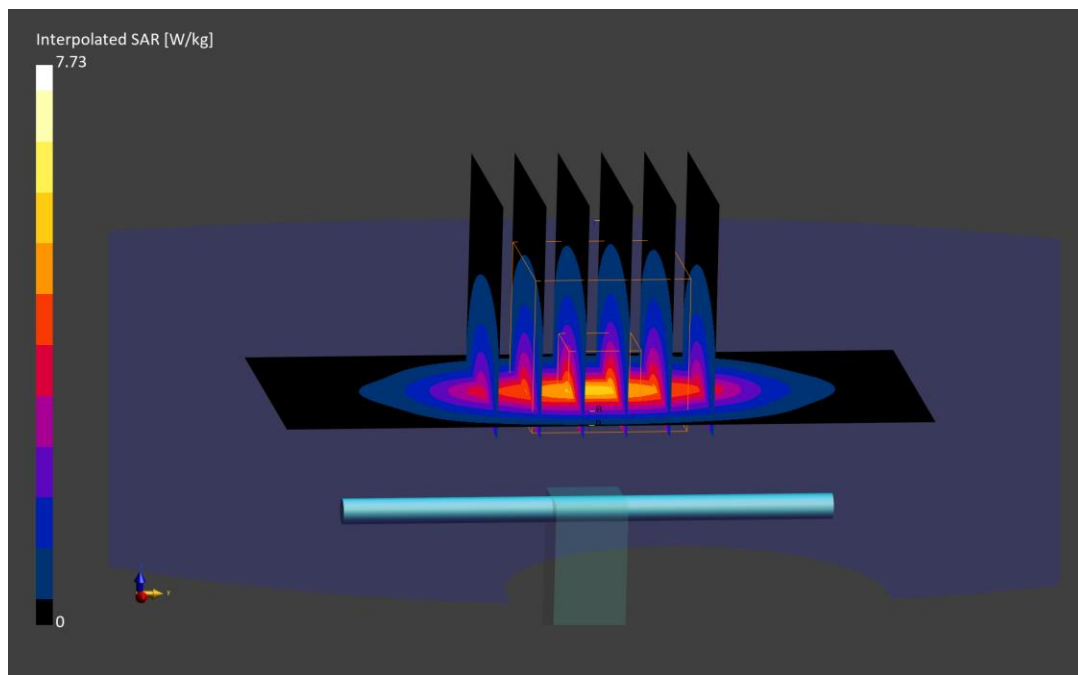
Probe: EX3DV4 - SN7670; ConvF:(8.26,8.26,8.26); Calibrated: 2022-08-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.2.0.1425

1900 MHz System Verification at 20 dBm (100 mW)

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

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

Peak SAR (extrapolated) = 7.73 W/kg
SAR(1 g) = 4.23 W/kg; SAR(10 g) = 2.20 W/kg
Deviation (10 g) = 4.27%;



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1067

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3600 Body; Medium parameters used:
f = 3700.0 MHz; cond = 3.38 S/m; perm = 50.2; density = 1000 kg/m³
Phantom Section: Flat; Space: 10 mm

Test Date: 03/23/2023; Ambient Temp: 21.8°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7670; ConvF:(6.51,6.51,6.51); Calibrated: 2022-08-22
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1681; Calibrated: 2022-08-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.2.0.1425

3700 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 (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) = 15.8 W/kg

SAR(1 g) = 6.24 W/kg; SAR(10 g) = 2.30 W/kg

Deviation (1 g) = -2.80%

