APPENDIX A: VERIFICATION PLOTS

ELEMENT

DUT: Dipole 750.0 MHz; Type: D750V3 - SN1054

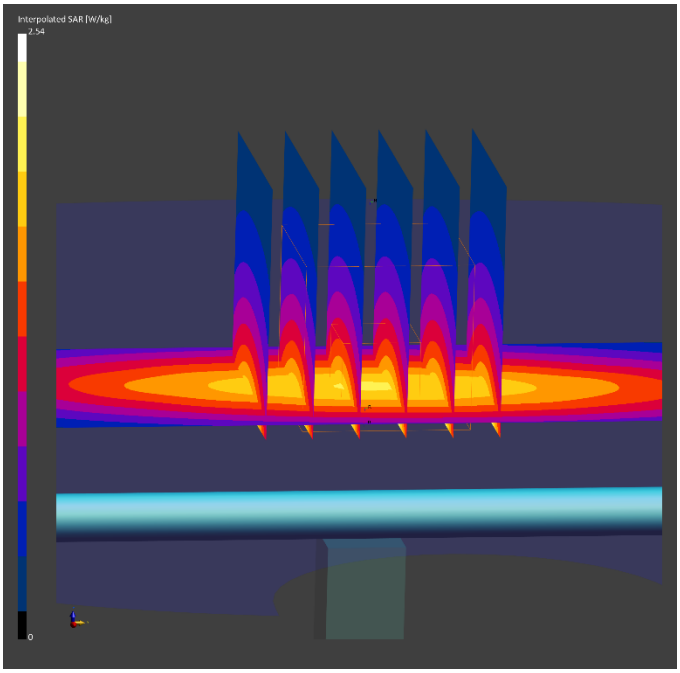
Communication System: UID: 0, CW; Frequency: 750.0 MHz
Medium: 750 Body; Medium parameters used:
f = 750.0 MHz; cond = 0.932 S/m; perm = 53.3; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 07/19/2022; Ambient Temp: 19.4^{0}C; Tissue Temp: 24.5^{0}C

Probe: EX3DV4 - SN7551; ConvF:(10.16,10.16,10.16); Calibrated: 2021-10-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; Calibrated: 2021-09-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.0.2.136

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) = 2.54 W/kg
SAR(1 g) = 1.68 W/kg; SAR(10 g) = 1.13 W/kg
Deviation (1 g) = -2.67%



ELEMENT

DUT: Dipole 835.0 MHz; Type: D835V2 - SN4d132

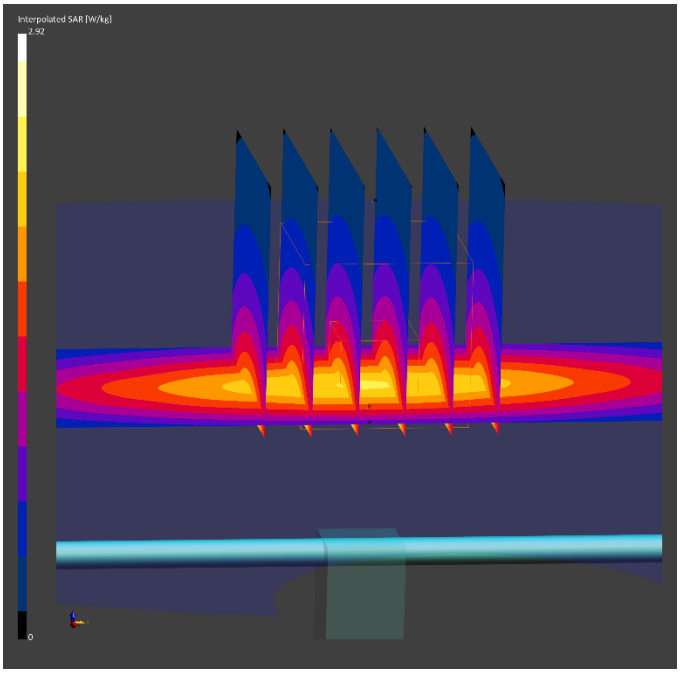
Communication System: UID: 0, CW; Frequency: 835.0 MHz
Medium: 835 Body; Medium parameters used:
f = 835.0 MHz; cond = 0.946 S/m; perm = 52.8; density = 1000 kg/m3
Phantom Section: Flat; Space: 15 mm

Test Date: 07/20/2022; Ambient Temp: 22.2^{0}C; Tissue Temp: 21.5^{0}C

Probe: EX3DV4 - SN7551; ConvF:(9.98,9.98,9.98); Calibrated: 2021-10-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; Calibrated: 2021-09-15
Phantom: Twin-SAM V8.0 (Left); Serial: 1964
Measurement SW: DASY Module SAR V16.0.2.136

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) = 2.91 W/kg
SAR(1 g) = 1.89 W/kg; SAR(10 g) = 1.25 W/kg
Deviation (1 g) = -3.67%



ELEMENT

DUT: Dipole 1750.0 MHz; Type: D1765V2 - SN1008

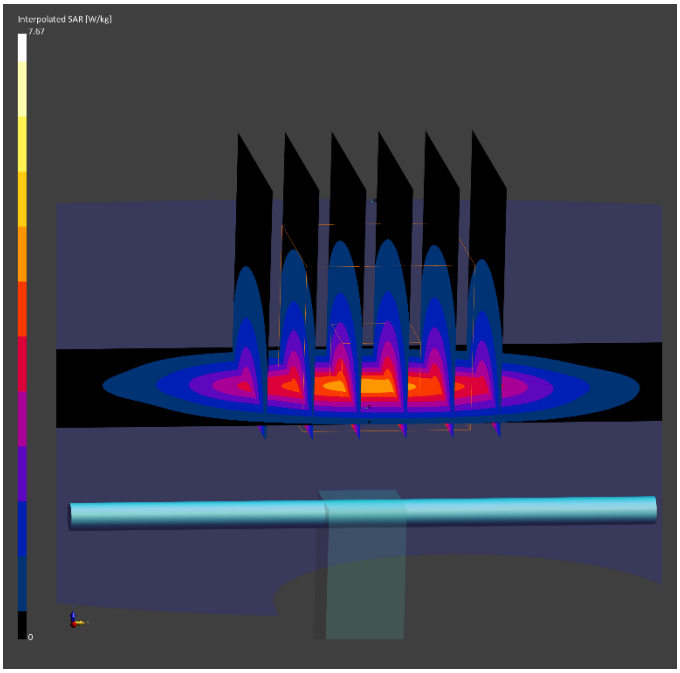
Communication System: UID: 0, CW; Frequency: 1750.0 MHz
Medium: 1750 Body; Medium parameters used:
f = 1750.0 MHz; cond = 1.53 S/m; perm = 51.6; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/20/2022; Ambient Temp: 22.2^{0}C; Tissue Temp: 21.5^{0}C

Probe: EX3DV4 - SN7551; ConvF:(8.18,8.18,8.18); Calibrated: 2021-10-26
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1449; Calibrated: 2021-09-15
Phantom: Twin-SAM V8.0 Right; Serial: 1981
Measurement SW: DASY Module SAR V16.0.2.136

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) = 7.67 W/kg
SAR(1 g) = 3.94 W/kg; SAR(10 g) = 2.04 W/kg
Deviation (1 g) = 4.23%



ELEMENT

DUT: Dipole 3700.0 MHz; Type: D3700V2 - SN1018

Communication System: UID: 0, CW; Frequency: 3700.0 MHz
Medium: 3700 Body; Medium parameters used:
f = 3700.0 MHz; cond = 3.38 S/m; perm = 49.9; density = 1000 kg/m3
Phantom Section: Flat; Space: 10 mm

Test Date: 07/21/2022; Ambient Temp: 21.0^{0}C; Tissue Temp: 19.6^{0}C

Probe: EX3DV4 - SN7713; ConvF:(6.49,6.49,6.49); Calibrated: 2022-02-04
Sensor-Surface: 1.4mm (VMS + 6p)
Electronics: DAE4 Sn1530; Calibrated: 2022-01-12
Phantom: Twin-SAM V8.0; Serial: 1978
Measurement SW: DASY Module SAR V16.0.2.136

3700 MHz System Verification at 20 dBm (100 mW)

Area Scan (40.0 x 96.0): Measurement grid: dx=10.0 mm, dy=12.0 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) = 15.5 W/kg
SAR(1 g) = 6.05 W/kg; SAR(10 g) = 2.25 W/kg
Deviation (1 g) = -4.72%