APPENDIX B PLOTS OF THE SAR MEASUREMENTS

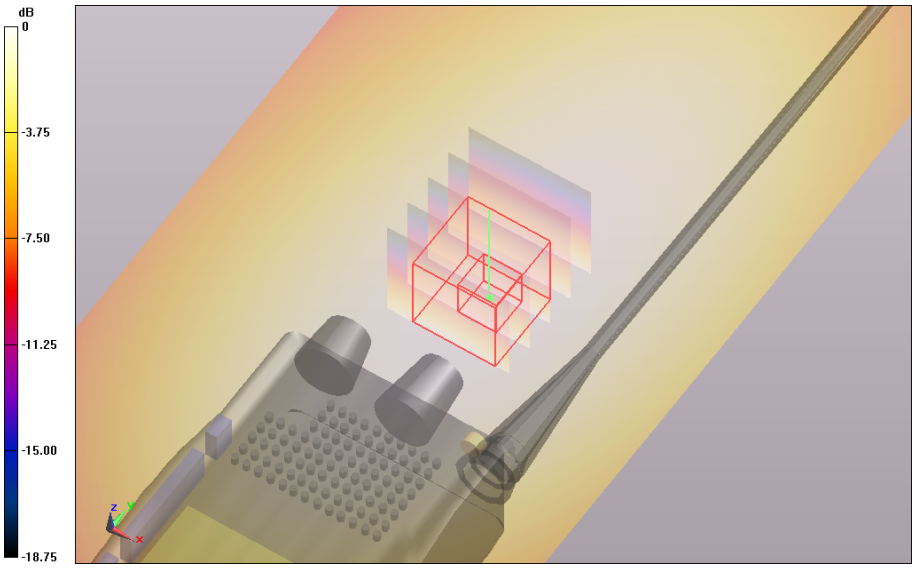
Test Lab: EMCTech Test File: M130531 450 MHz Face Frontal Antenna Whip.da52:0

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Head Face Frontal 16 Key 04-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.88 S/m; ε_r = 42.5; ρ = 1.0g/cm^3
Phantom section: Flat Section

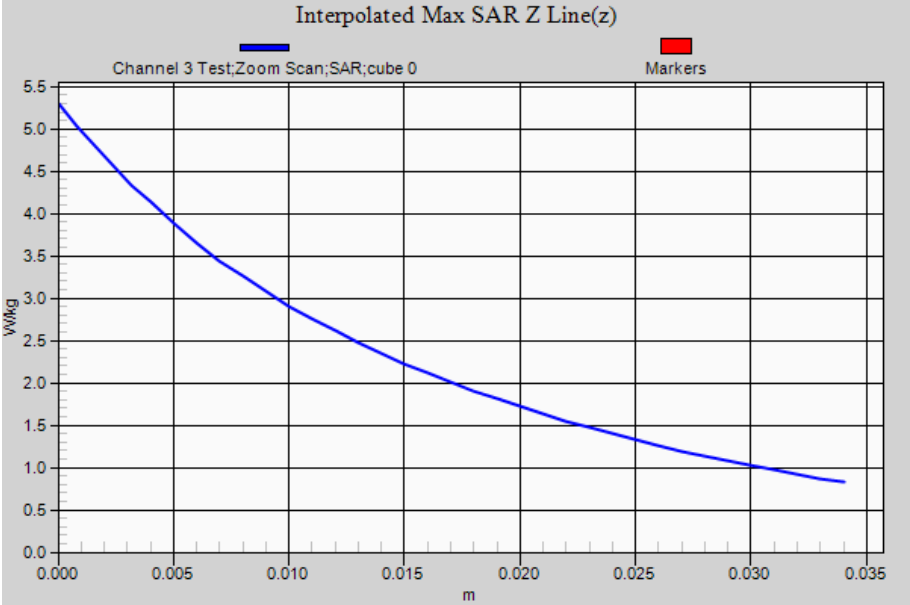
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.21,7.21,7.21); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Head Face Frontal 16 Key 04-06-13/Channel 3 Test/Area Scan (81x221x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 4.030 W/kg
Head Face Frontal 16 Key 04-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 53.403 V/m; **Power Drift = -0.06 dB**
Averaged SAR: SAR(1g) = 3.940 W/kg; SAR(10g) = 2.940 W/kg
Maximum value of SAR (interpolated) = 5.290 W/kg



0 dB = 4.03 W/kg = 6.05 dBW/kg

SAR Measurement Plot 1



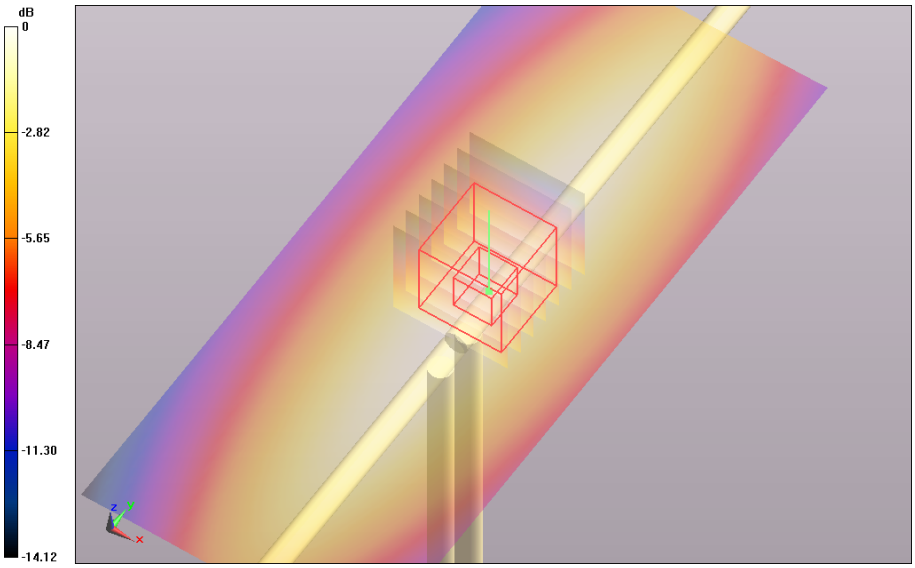
Test Lab: EMCTech Test File: M130531 450 MHz Face Frontal Antenna Whip.da52:2

DUT Name: Dipole 450 MHz, Type: D450V3, Serial: 1074

Configuration: System Check 04-06-13
Communication System: 0 - n/a - CW 450 MHz; Communication System Band: **CW**; Frequency: 450.0 MHz, Communication System PAR: 0.00 dB; PMF: 1.00; Duty Cycle: 1:1.00
Medium Parameters used: f=450 MHz; σ = 0.89 S/m; ε_r = 42.3; ρ = 1.0g/cm^3
Phantom section: Flat Section

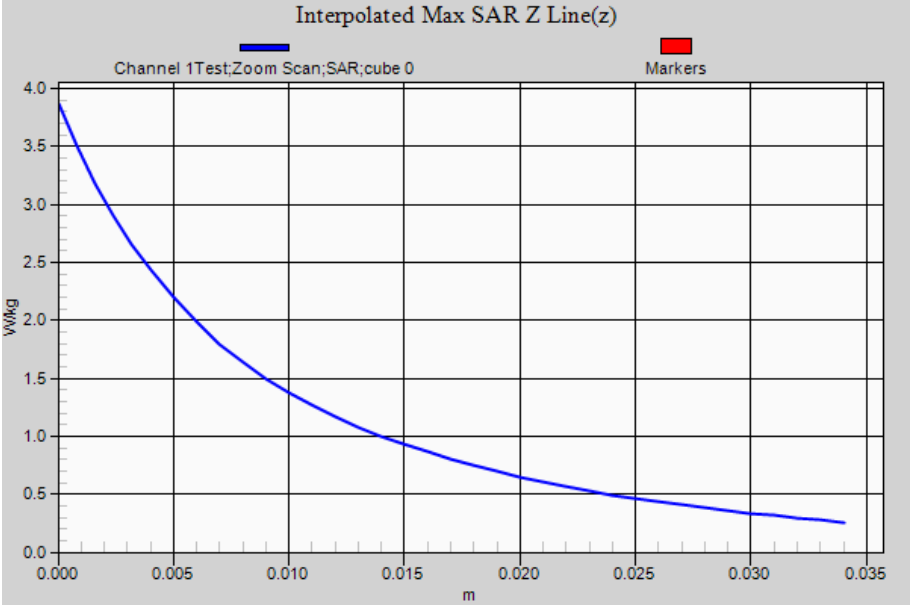
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.21,7.21,7.21); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection)
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

System Check 04-06-13/Channel 1Test/Area Scan (51x121x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 2.350 W/kg
System Check 04-06-13/Channel 1Test/Zoom Scan (31x31x36)/Cube 0: Interpolated grid: dx=1.0 mm, dy=1.0 mm, dz=1.0 mm; Reference Value = 51.938 V/m; **Power Drift = -0.03 dB**
Averaged SAR: SAR(1g) = 2.260 W/kg; SAR(10g) = 1.410 W/kg
Maximum value of SAR (interpolated) = 3.870 W/kg



0 dB = 2.35 W/kg = 3.71 dBW/kg

SAR Measurement Plot 2



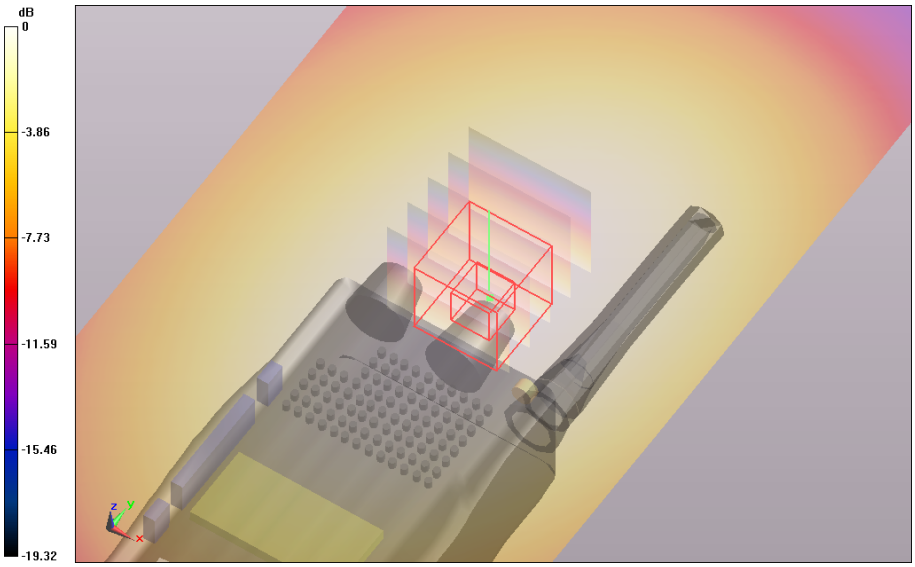
Test Lab: EMCTech Test File: M130531 450 MHz Face Frontal Antenna Helical.da52:0

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Head Face Frontal 16 Key 04-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.88 S/m; ε_r = 42.5; ρ = 1.0g/cm^3
Phantom section: Flat Section

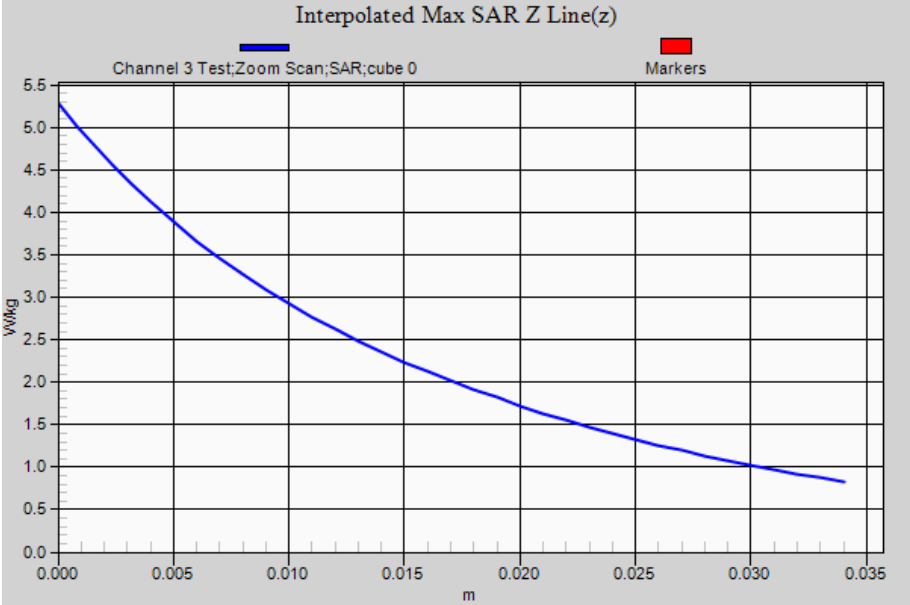
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.21,7.21,7.21); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Head Face Frontal 16 Key 04-06-13/Channel 3 Test/Area Scan (81x181x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 4.130 W/kg
Head Face Frontal 16 Key 04-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 54.953 V/m; **Power Drift = -0.02 dB**
Averaged SAR: SAR(1g) = 3.940 W/kg; SAR(10g) = 2.940 W/kg
Maximum value of SAR (interpolated) = 5.280 W/kg



0 dB = 4.13 W/kg = 6.16 dBW/kg

SAR Measurement Plot 3



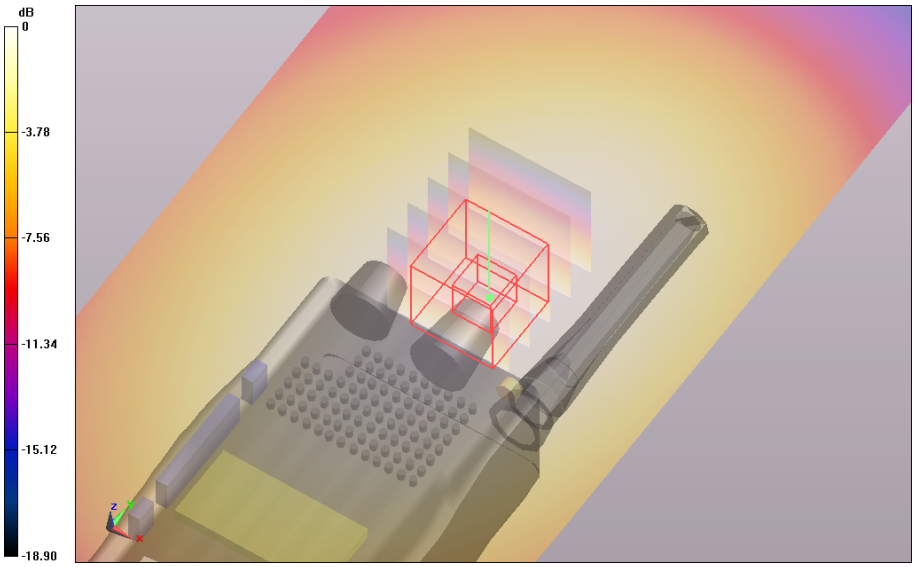
Test Lab: EMCTech Test File: M130531 450 MHz Face Frontal Antenna Helical.da52:1

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Head Face Frontal 16 Key Low Capacity Battery 04-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.88 S/m; ε_r = 42.5; ρ = 1.0g/cm^3
Phantom section: Flat Section

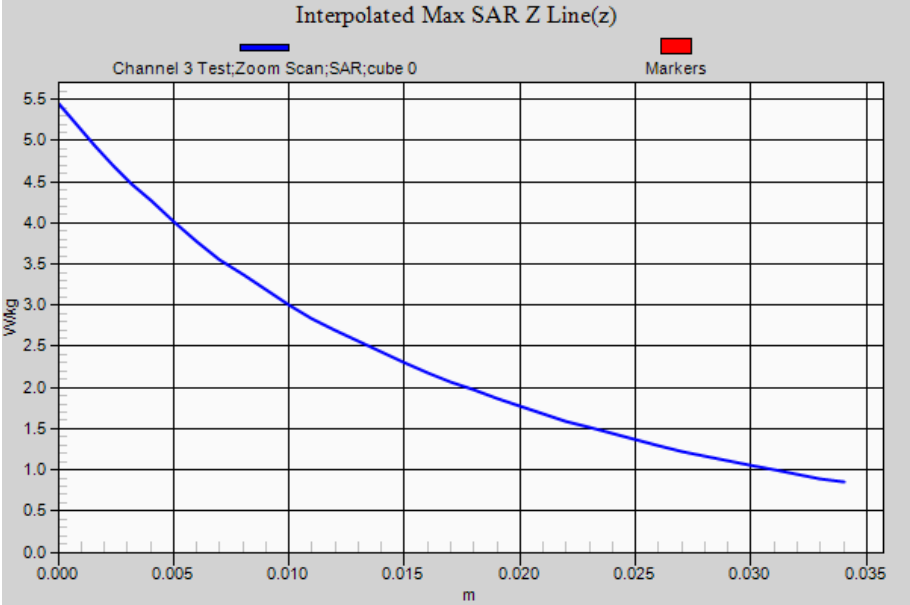
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.21,7.21,7.21); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Head Face Frontal 16 Key Low Capacity Battery 04-06-13/Channel 3 Test/Area Scan (81x181x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 4.280 W/kg
Head Face Frontal 16 Key Low Capacity Battery 04-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 56.042 V/m; **Power Drift = -0.09 dB**
Averaged SAR: SAR(1g) = 4.060 W/kg; SAR(10g) = 3.030 W/kg
Maximum value of SAR (interpolated) = 5.440 W/kg



0 dB = 4.28 W/kg = 6.31 dBW/kg

SAR Measurement Plot 4



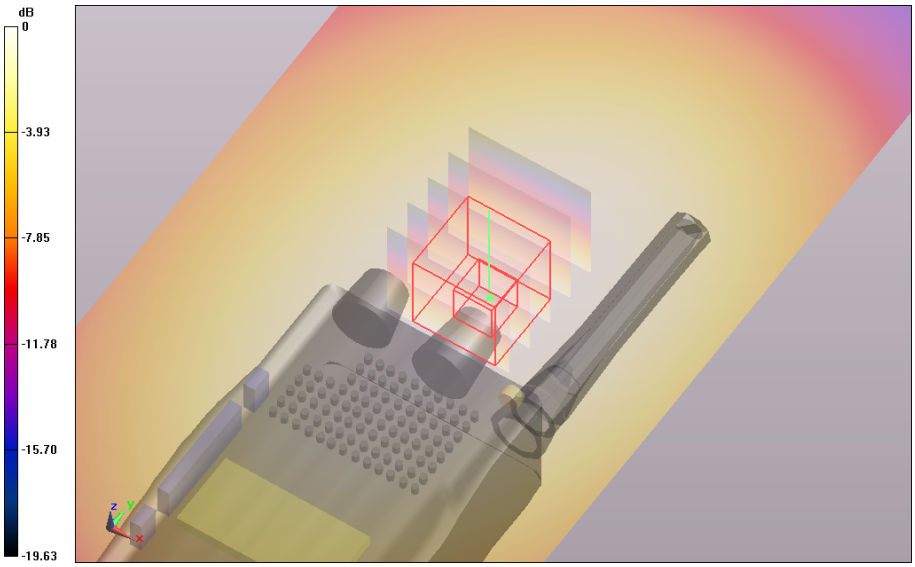
Test Lab: EMCTech Test File: M130531 450 MHz Face Frontal Antenna Helical.da52:2

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452378

Configuration: Head Face Frontal 4 Key Low Capacity Battery 04-06-13 2
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.88 S/m; ε_r = 42.5; ρ = 1.0g/cm^3
Phantom section: Flat Section

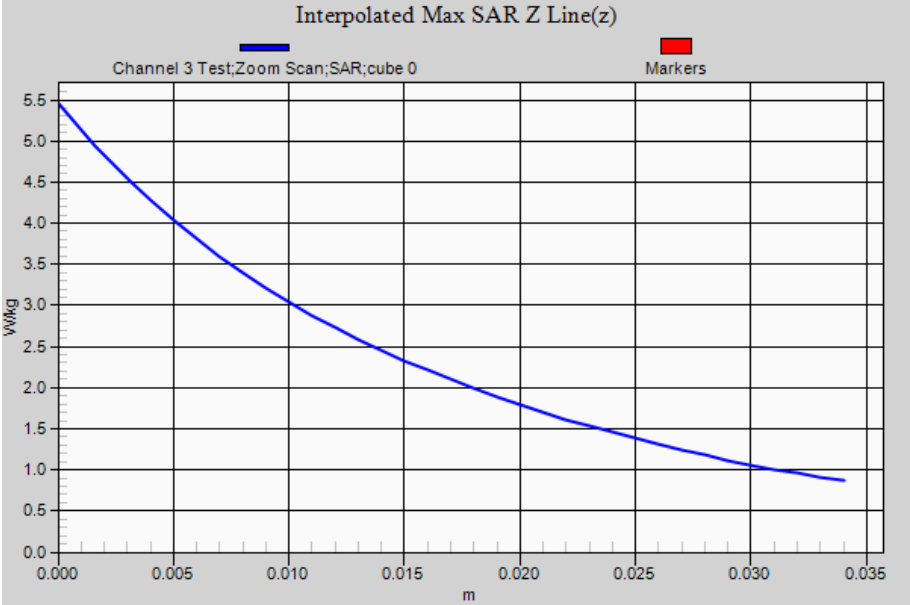
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.21,7.21,7.21); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Head Face Frontal 4 Key Low Capacity Battery 04-06-13 2/Channel 3 Test/Area Scan (81x181x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 4.350 W/kg
Head Face Frontal 4 Key Low Capacity Battery 04-06-13 2/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 56.979 V/m; **Power Drift = -0.11 dB**
Averaged SAR: SAR(1g) = 4.090 W/kg; SAR(10g) = 3.060 W/kg
Maximum value of SAR (interpolated) = 5.450 W/kg



0 dB = 4.35 W/kg = 6.38 dBW/kg

SAR Measurement Plot 5



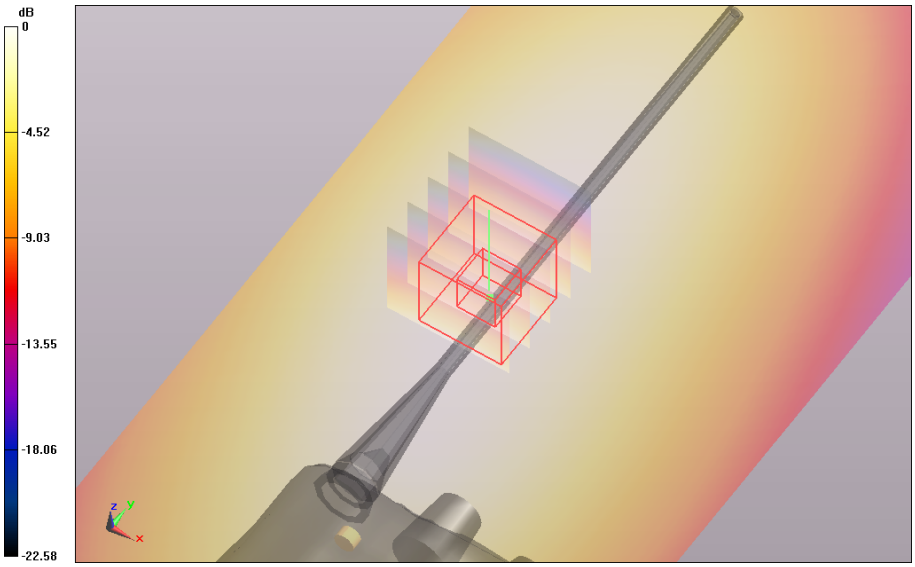
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:0

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Battery Clip 16 Key 06-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.95 S/m; ε_r = 56.5; ρ = 1.0g/cm^3
Phantom section: Flat Section

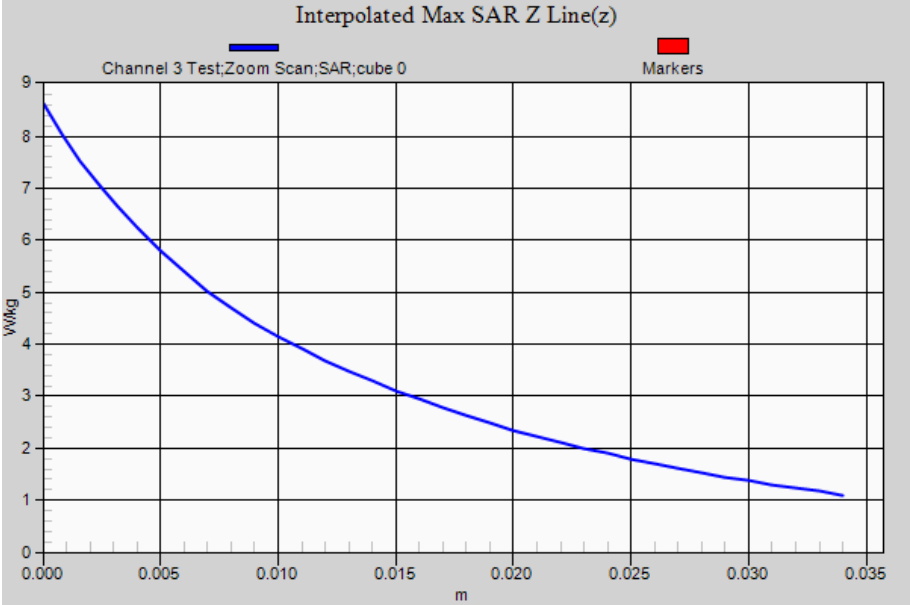
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Battery Clip 16 Key 06-06-13/Channel 3 Test/Area Scan (81x221x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 6.080 W/kg
Body Battery Clip 16 Key 06-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 63.650 V/m; **Power Drift = -0.16 dB**
Averaged SAR: SAR(1g) = 5.920 W/kg; SAR(10g) = 4.240 W/kg
Maximum value of SAR (interpolated) = 8.620 W/kg



0 dB = 6.08 W/kg = 7.84 dBW/kg

SAR Measurement Plot 6



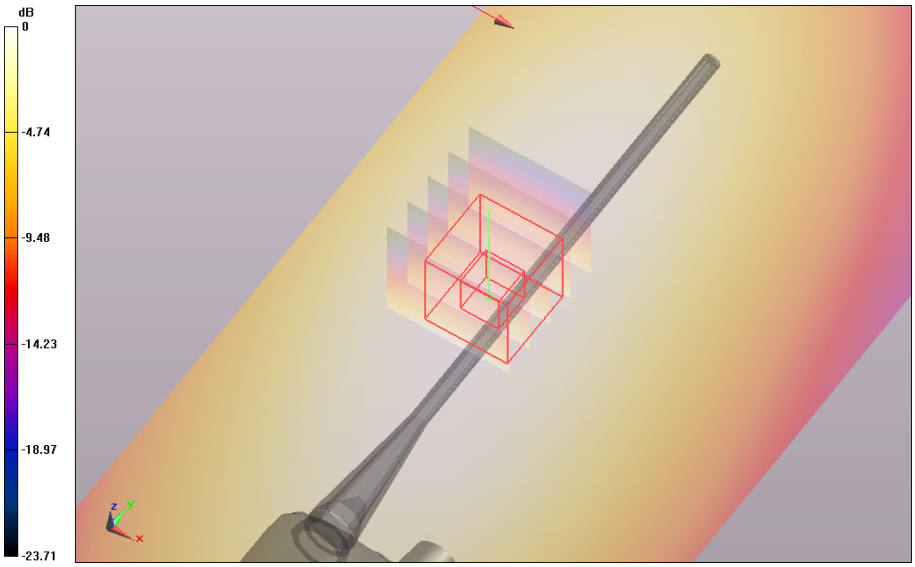
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:1

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Nylon Case Battery Clip 16 Key 06-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.95 S/m; ε_r = 56.5; ρ = 1.0g/cm^3
Phantom section: Flat Section

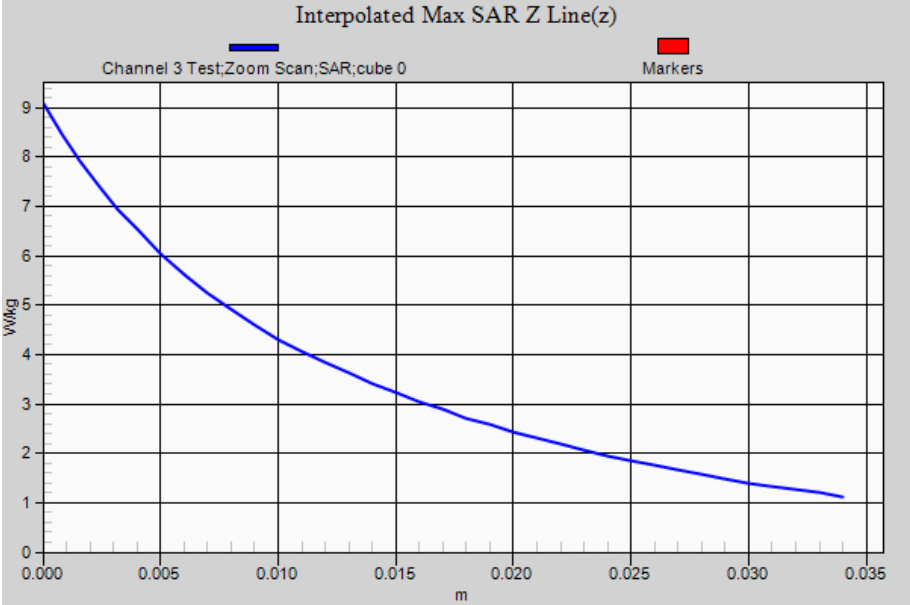
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Nylon Case Battery Clip 16 Key 06-06-13/Channel 3 Test/Area Scan (81x221x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 6.370 W/kg
Body Nylon Case Battery Clip 16 Key 06-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 71.221 V/m; **Power Drift = -0.18 dB**
Averaged SAR: SAR(1g) = 6.200 W/kg; SAR(10g) = 4.430 W/kg
Maximum value of SAR (interpolated) = 9.070 W/kg



0 dB = 6.37 W/kg = 8.04 dBW/kg

SAR Measurement Plot 7



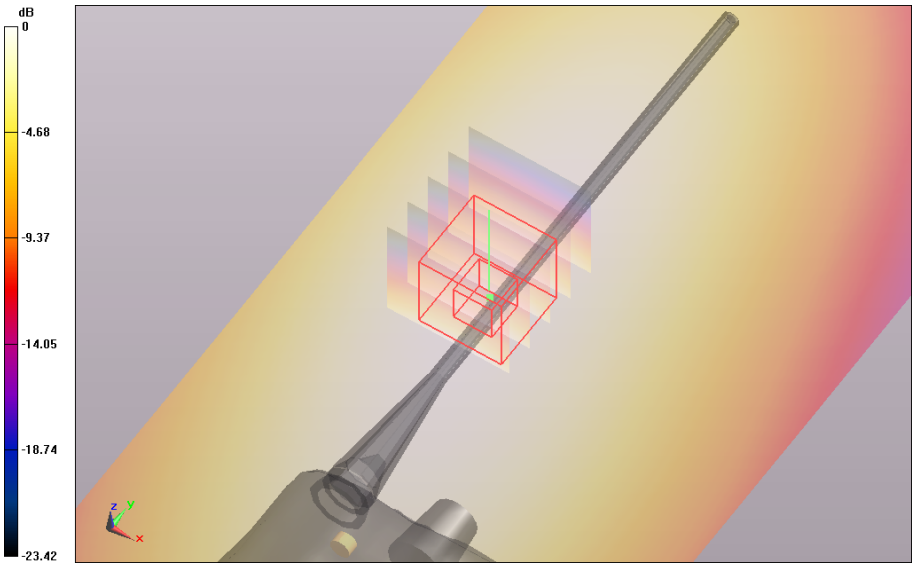
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:2

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Nylon Case Belt Loop 16 Key 07-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.95 S/m; ε_r = 57.2; ρ = 1.0g/cm^3
Phantom section: Flat Section

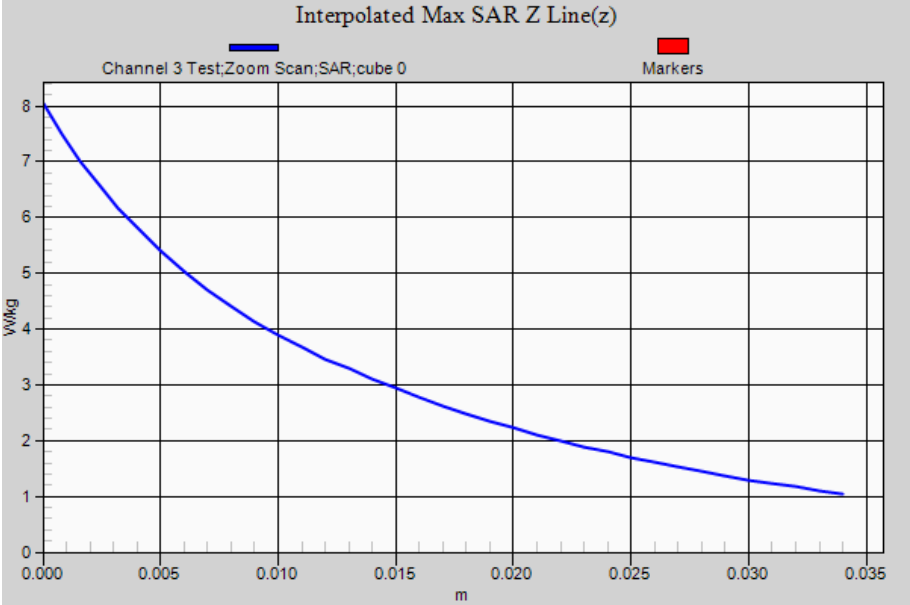
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Nylon Case Belt Loop 16 Key 07-06-13/Channel 3 Test/Area Scan (81x221x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 5.660 W/kg
Body Nylon Case Belt Loop 16 Key 07-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0:
Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 67.433 V/m; **Power Drift = -0.14 dB**
Averaged SAR: SAR(1g) = 5.540 W/kg; SAR(10g) = 3.990 W/kg
Maximum value of SAR (interpolated) = 8.030 W/kg



0 dB = 5.66 W/kg = 7.53 dBW/kg

SAR Measurement Plot 8



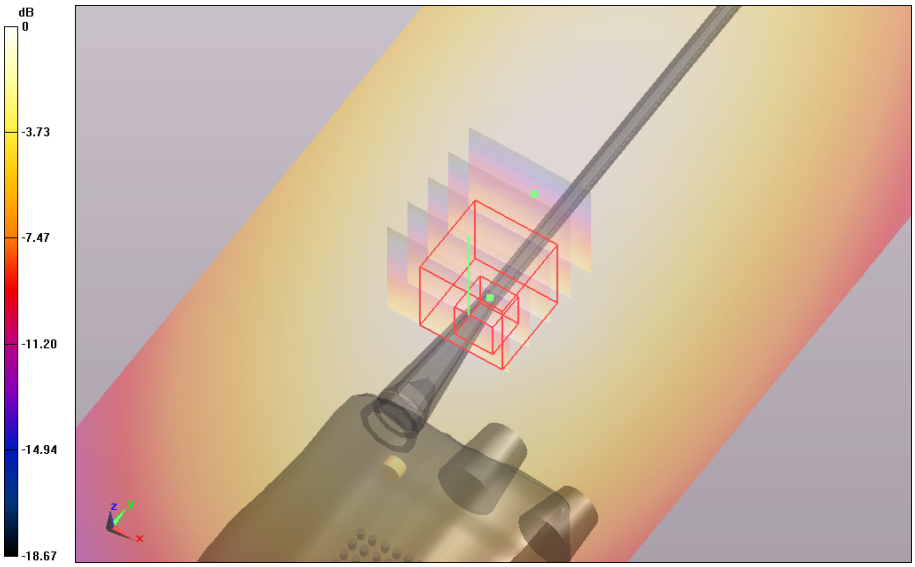
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:3

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Nylon Case D-Stud Spring Clip 16 Key 07-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.95 S/m; ε_r = 57.2; ρ = 1.0g/cm^3
Phantom section: Flat Section

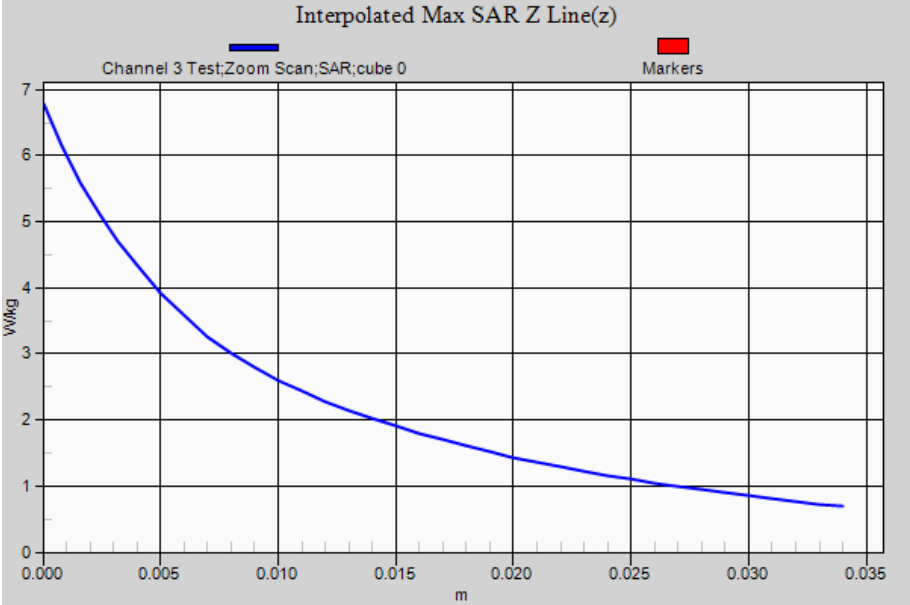
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Nylon Case D-Stud Spring Clip 16 Key 07-06-13/Channel 3 Test/Area Scan (81x221x1):
Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 3.830 W/kg
Body Nylon Case D-Stud Spring Clip 16 Key 07-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 50.871 V/m; **Power Drift = -0.15 dB**
Averaged SAR: SAR(1g) = 4.030 W/kg; SAR(10g) = 2.710 W/kg
Maximum value of SAR (interpolated) = 6.780 W/kg



0 dB = 3.83 W/kg = 5.83 dBW/kg

SAR Measurement Plot 9



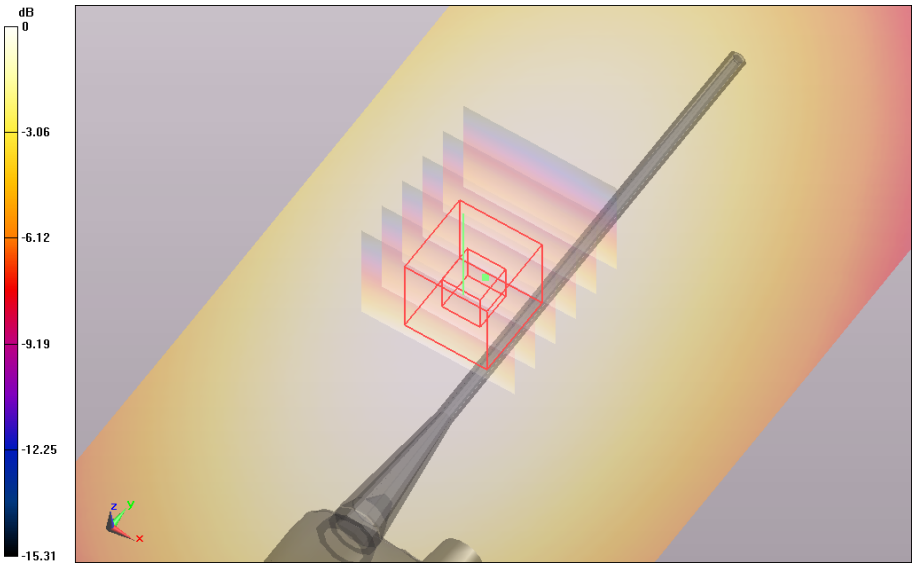
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:4

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Nylon Case D-Stud Belt Loop 16 Key 07-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.95 S/m; ε_r = 57.2; ρ = 1.0g/cm^3
Phantom section: Flat Section

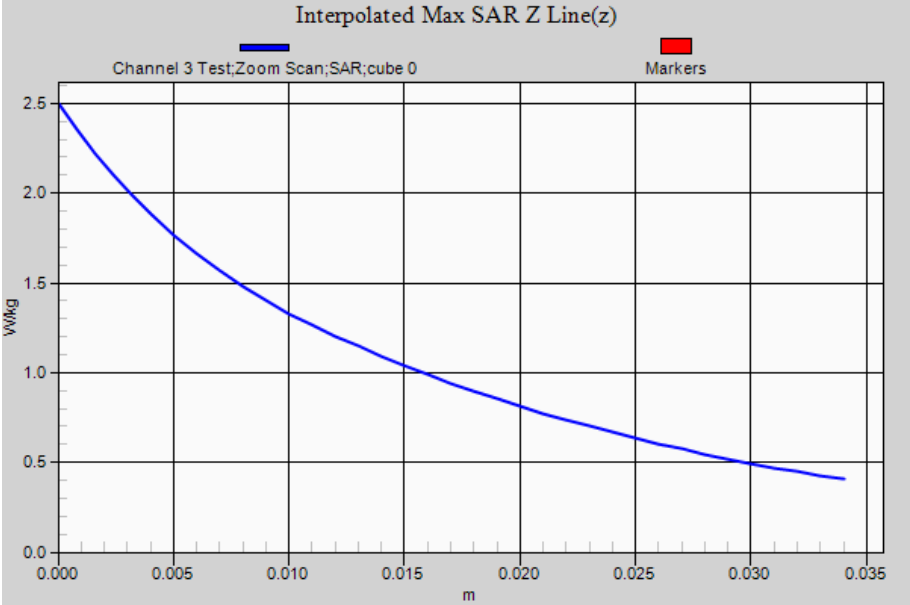
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Nylon Case D-Stud Belt Loop 16 Key 07-06-13/Channel 3 Test/Area Scan (81x221x1):
Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 1.830 W/kg
Body Nylon Case D-Stud Belt Loop 16 Key 07-06-13/Channel 3 Test/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 38.824 V/m; **Power Drift = -0.15 dB**
Averaged SAR: SAR(1g) = 1.810 W/kg; SAR(10g) = 1.360 W/kg
Maximum value of SAR (interpolated) = 2.500 W/kg



0 dB = 1.83 W/kg = 2.62 dBW/kg

SAR Measurement Plot 10



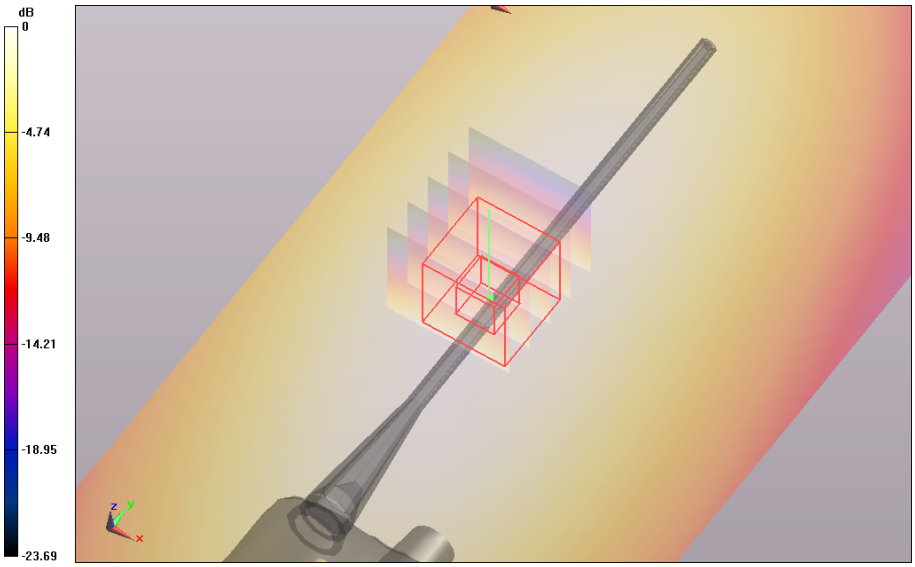
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:5

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Soft Leather Case Battery Clip 16 Key 07-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.95 S/m; ε_r = 57.2; ρ = 1.0g/cm^3
Phantom section: Flat Section

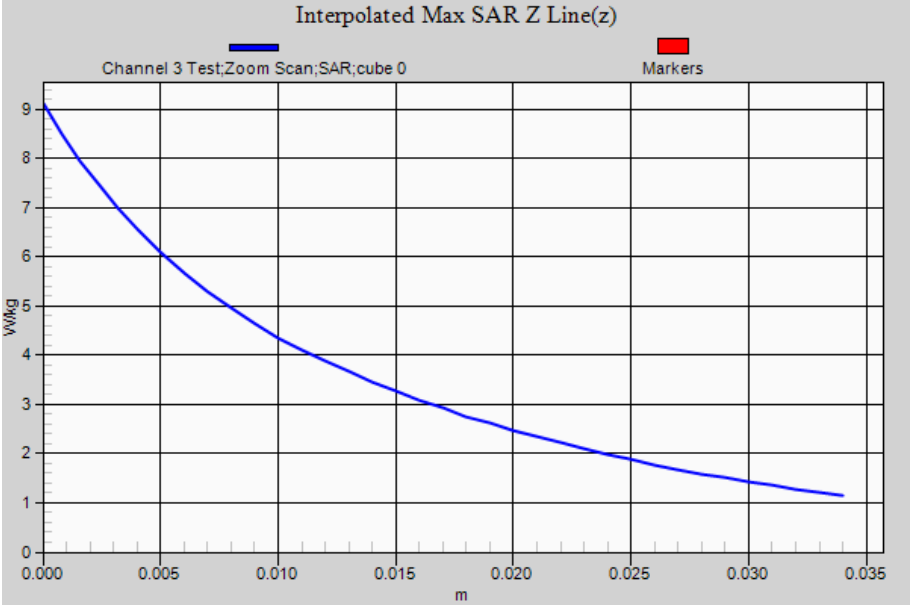
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Soft Leather Case Battery Clip 16 Key 07-06-13/Channel 3 Test/Area Scan (81x221x1):
Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 6.370 W/kg
Body Soft Leather Case Battery Clip 16 Key 07-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 67.322 V/m; **Power Drift = -0.15 dB**
Averaged SAR: SAR(1g) = 6.250 W/kg; SAR(10g) = 4.470 W/kg
Maximum value of SAR (interpolated) = 9.100 W/kg



0 dB = 6.37 W/kg = 8.04 dBW/kg

SAR Measurement Plot 11



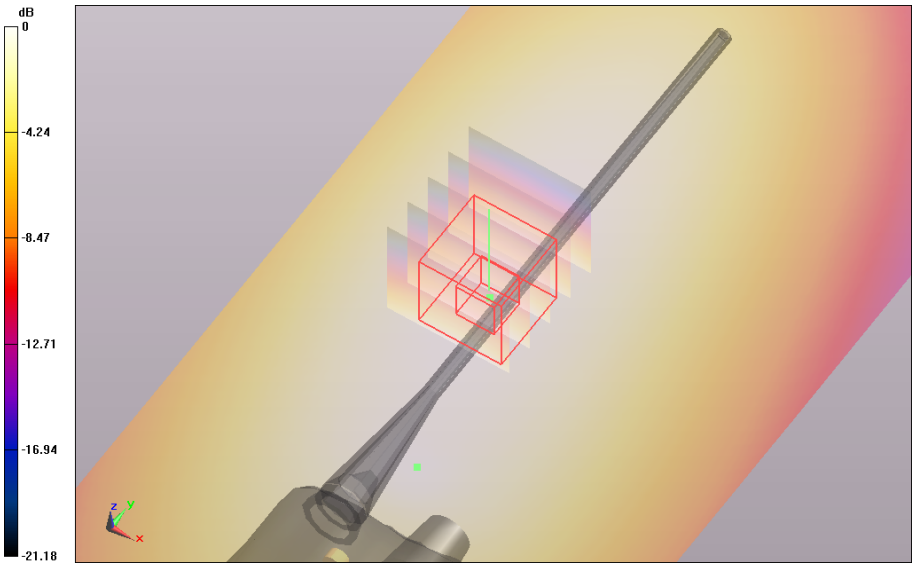
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:6

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Leather Case Spring Clip 16 Key 07-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.95 S/m; ε_r = 57.2; ρ = 1.0g/cm^3
Phantom section: Flat Section

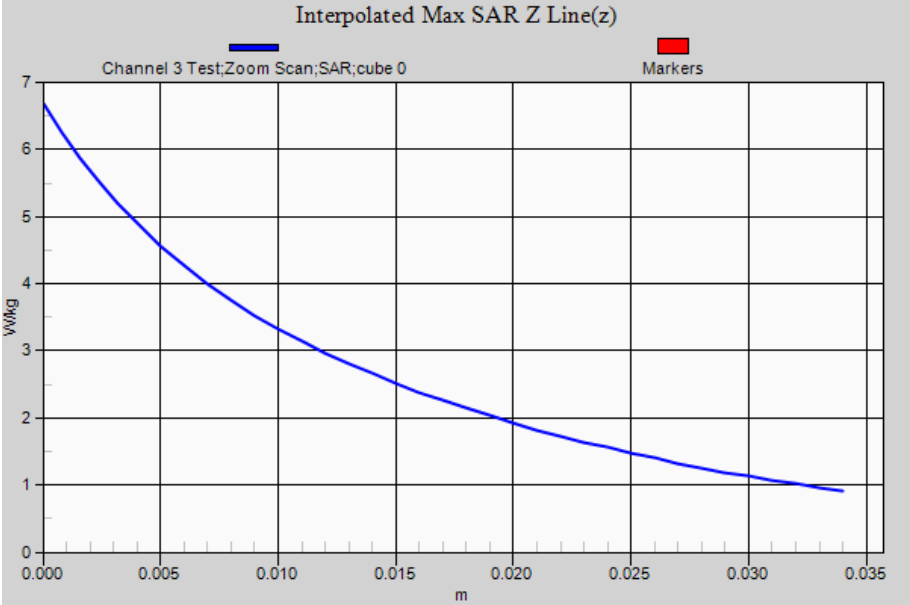
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Leather Case Spring Clip 16 Key 07-06-13/Channel 3 Test/Area Scan (81x221x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 4.770 W/kg
Body Leather Case Spring Clip 16 Key 07-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 59.669 V/m; **Power Drift = -0.22 dB**
Averaged SAR: SAR(1g) = 4.690 W/kg; SAR(10g) = 3.420 W/kg
Maximum value of SAR (interpolated) = 6.680 W/kg



0 dB = 4.77 W/kg = 6.79 dBW/kg

SAR Measurement Plot 12



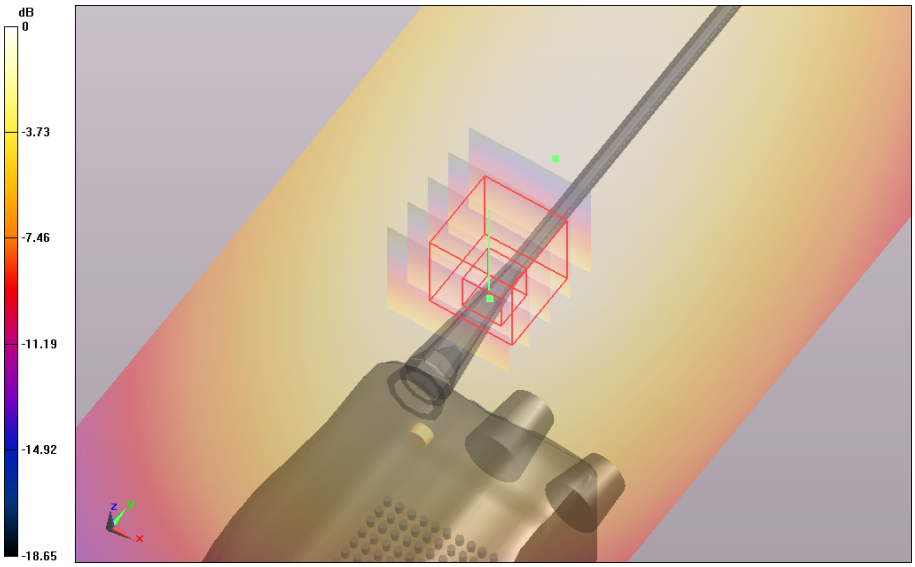
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:7

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Leather Case D-Stud Spring Clip 16 Key 07-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.95 S/m; ε_r = 57.2; ρ = 1.0g/cm^3
Phantom section: Flat Section

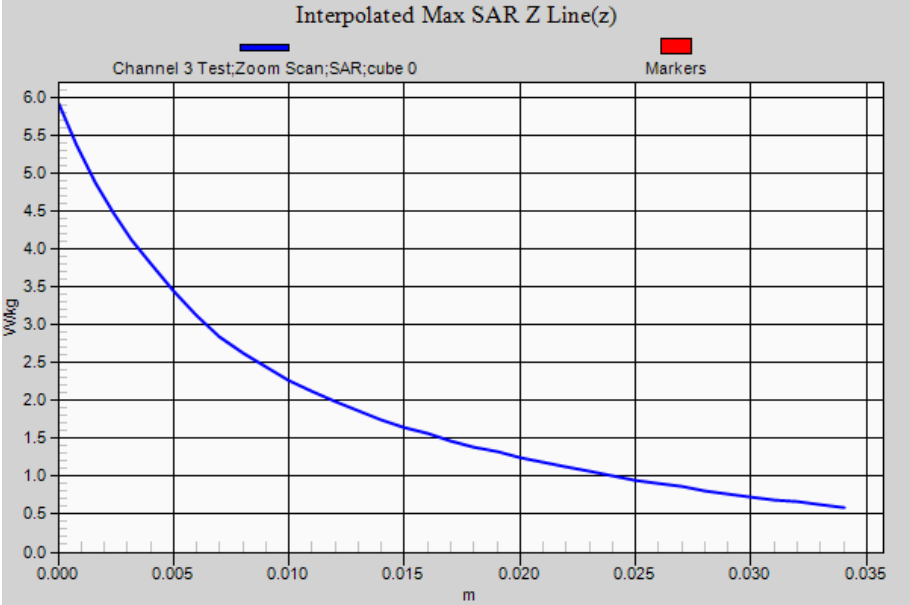
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Leather Case D-Stud Spring Clip 16 Key 07-06-13/Channel 3 Test/Area Scan (81x221x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 3.440 W/kg
Body Leather Case D-Stud Spring Clip 16 Key 07-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 47.754 V/m; **Power Drift = -0.13 dB**
Averaged SAR: SAR(1g) = 3.510 W/kg; SAR(10g) = 2.350 W/kg
Maximum value of SAR (interpolated) = 5.910 W/kg



0 dB = 3.44 W/kg = 5.37 dBW/kg

SAR Measurement Plot 13



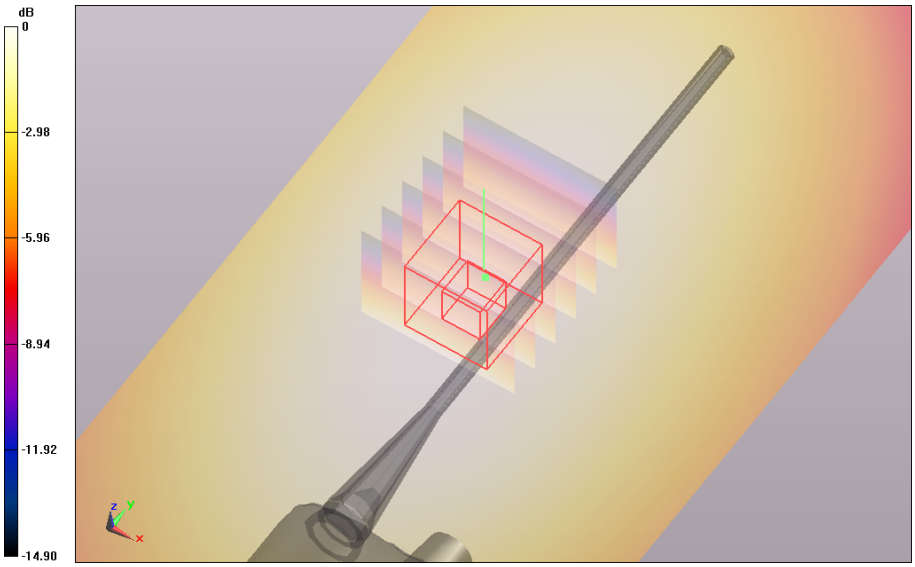
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:8

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Leather Case D-Stud Belt Loop 16 Key 07-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.95 S/m; ε_r = 57.2; ρ = 1.0g/cm^3
Phantom section: Flat Section

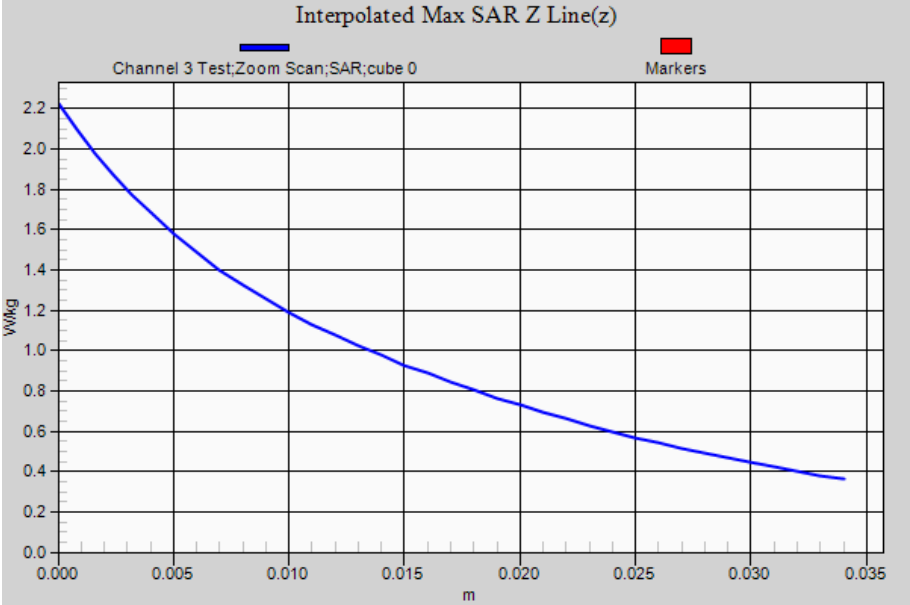
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Leather Case D-Stud Belt Loop 16 Key 07-06-13/Channel 3 Test/Area Scan (81x221x1):
Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 1.620 W/kg
Body Leather Case D-Stud Belt Loop 16 Key 07-06-13/Channel 3 Test/Zoom Scan (26x26x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 35.618 V/m; **Power Drift = -0.11 dB**
Averaged SAR: SAR(1g) = 1.620 W/kg; SAR(10g) = 1.220 W/kg
Maximum value of SAR (interpolated) = 2.220 W/kg



0 dB = 1.62 W/kg = 2.10 dBW/kg

SAR Measurement Plot 14



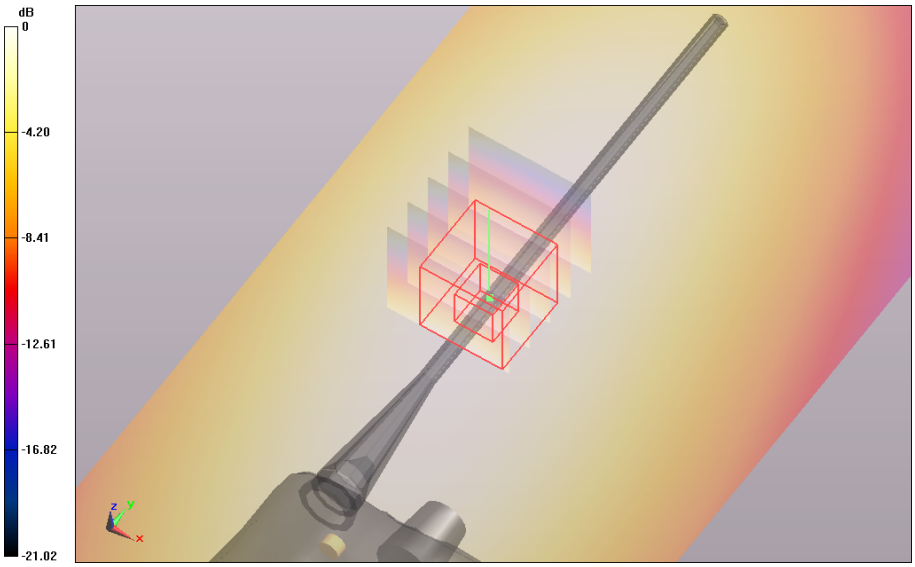
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:9

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Leather Case Belt Loop 16 Key 07-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.95 S/m; ε_r = 57.2; ρ = 1.0g/cm^3
Phantom section: Flat Section

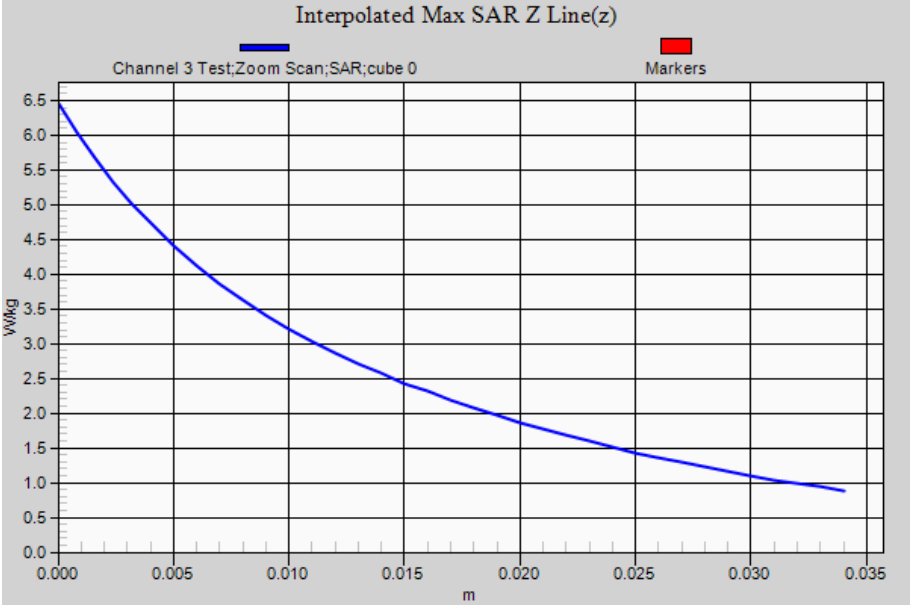
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Leather Case Belt Loop 16 Key 07-06-13/Channel 3 Test/Area Scan (81x221x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 4.680 W/kg
Body Leather Case Belt Loop 16 Key 07-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 58.770 V/m; **Power Drift = -0.12 dB**
Averaged SAR: SAR(1g) = 4.520 W/kg; SAR(10g) = 3.290 W/kg
Maximum value of SAR (interpolated) = 6.450 W/kg



0 dB = 4.68 W/kg = 6.70 dBW/kg

SAR Measurement Plot 15



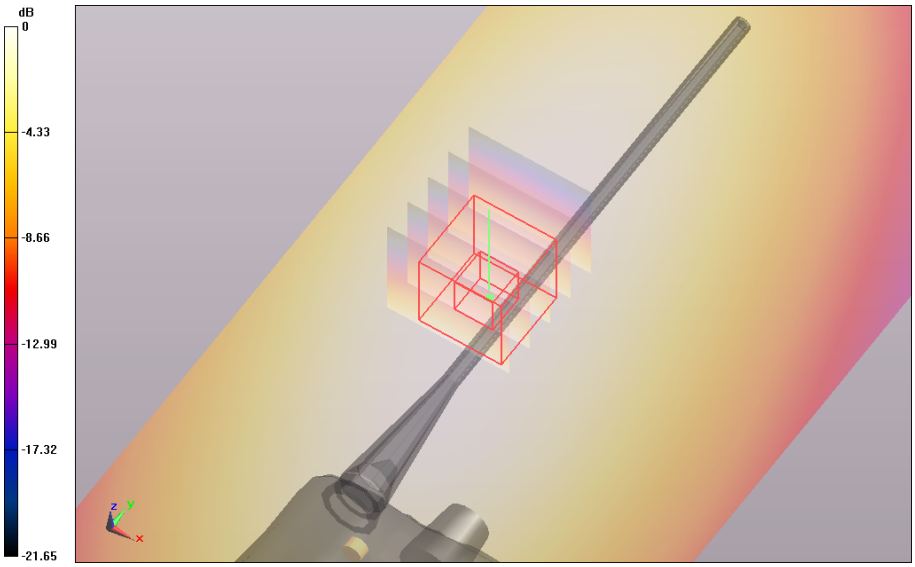
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:10

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Soft Leather Case Battery Clip Extended Battery 16 Key 11-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.94 S/m; ε_r = 55.9; ρ = 1.0g/cm^3
Phantom section: Flat Section

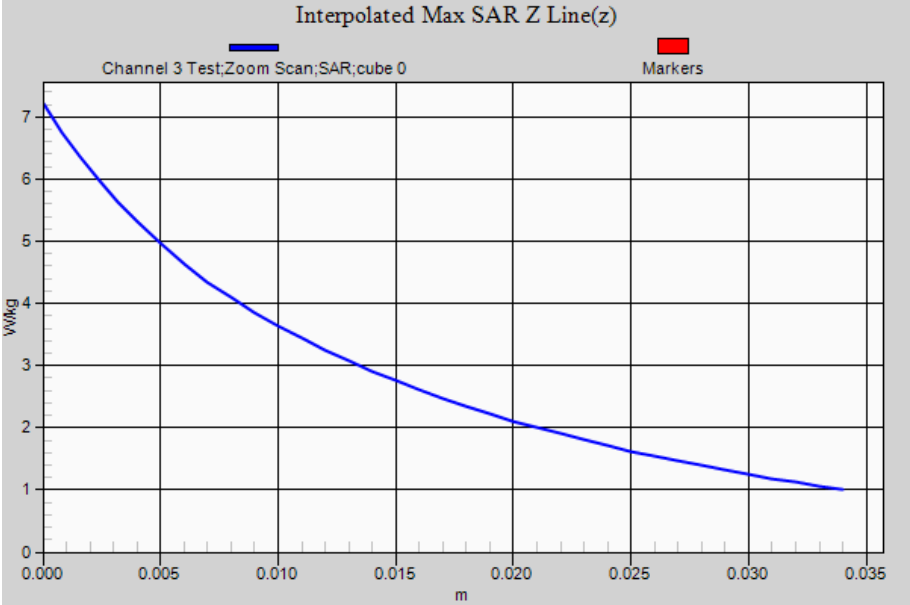
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Soft Leather Case Battery Clip Extended Battery 16 Key 11-06-13/Channel 3 Test/Area Scan (81x221x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 5.140 W/kg
Body Soft Leather Case Battery Clip Extended Battery 16 Key 11-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 66.854 V/m; **Power Drift = -0.12 dB**
Averaged SAR: SAR(1g) = 5.080 W/kg; SAR(10g) = 3.710 W/kg
Maximum value of SAR (interpolated) = 7.210 W/kg



0 dB = 5.14 W/kg = 7.11 dBW/kg

SAR Measurement Plot 16



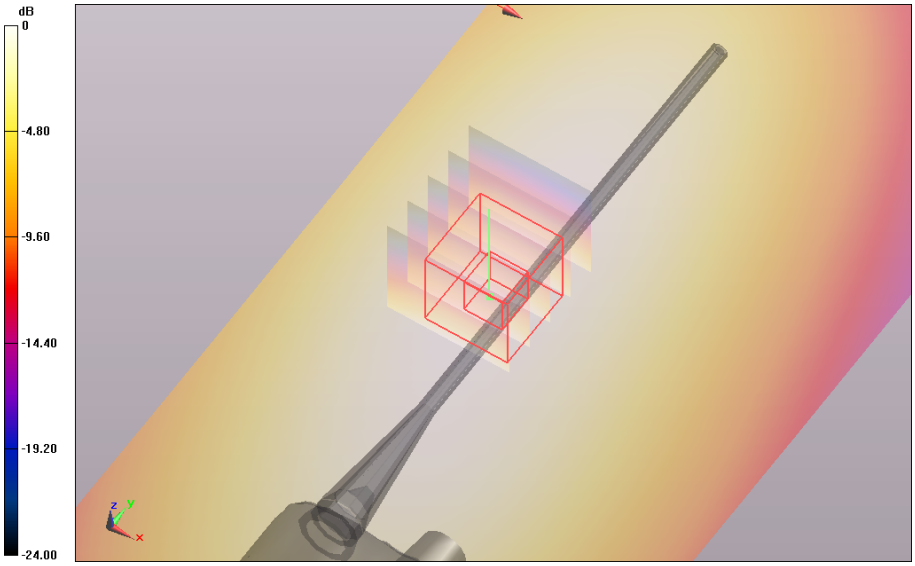
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:11

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Soft Leather Case Battery Clip 16 Key EFAA Audio Accessory 11-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.94 S/m; ε_r = 55.9; ρ = 1.0g/cm^3
Phantom section: Flat Section

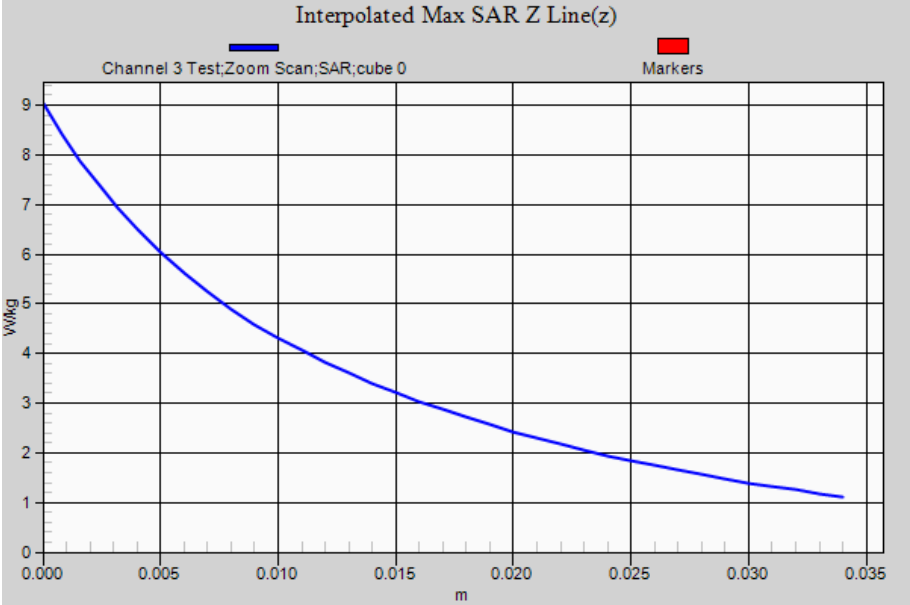
DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Soft Leather Case Battery Clip 16 Key EFAA Audio Accessory 11-06-13/Channel 3 Test/Area Scan (81x221x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 6.290 W/kg
Body Soft Leather Case Battery Clip 16 Key EFAA Audio Accessory 11-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 70.283 V/m; **Power Drift = -0.15 dB**
Averaged SAR: SAR(1g) = 6.190 W/kg; SAR(10g) = 4.420 W/kg
Maximum value of SAR (interpolated) = 9.020 W/kg



0 dB = 6.29 W/kg = 7.99 dBW/kg

SAR Measurement Plot 17



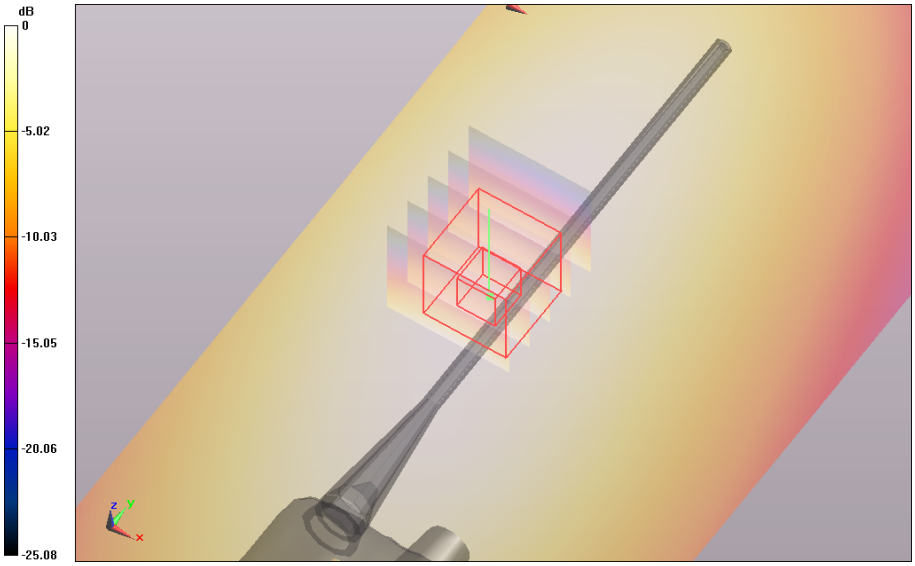
Test Lab: EMCTech Test File: M130531 450 MHz Body Worn Antenna Whip FCC.da52:12

DUT Name: Tait PTT Transceiver, Type: TPDH5A, Serial: 25452380

Configuration: Body Soft Leather Case Battery Clip 16 Key DEAA Audio Accessory 11-06-13
Communication System: 0 - n/a - CW; Communication System Band: Tait 450 MHz; Frequency: 438.1 MHz, Communication System PAR: 0.00 dB; PMF: 0.00; Duty Cycle: 1:1.00
Medium Parameters used: f=438 MHz; σ = 0.94 S/m; ε_r = 55.9; ρ = 1.0g/cm^3
Phantom section: Flat Section

DASY Configuration:
Probe: ET3DV6 - SN1380; ConvF: (7.57,7.57,7.57); Calibrated: 10/12/2012;
Sensor-Surface: 4 mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Electronics: DAE3 Sn442; Calibrated: 4/12/2012
Phantom: ELI 4.0; Type: QDOVA001BA; Serial: 1101
DASY52 52.8.6(1115); SEMCAD X Version 14.6.9 (7117)

Body Soft Leather Case Battery Clip 16 Key DEAA Audio Accessory 11-06-13/Channel 3 Test/Area Scan (81x221x1): Interpolated grid: dx=1.5 mm, dy=1.5 mm; Maximum value of SAR (interpolated) = 6.680 W/kg
Body Soft Leather Case Battery Clip 16 Key DEAA Audio Accessory 11-06-13/Channel 3 Test/Zoom Scan (21x21x36)/Cube 0: Interpolated grid: dx=1.6 mm, dy=1.6 mm, dz=1.0 mm; Reference Value = 73.862 V/m; **Power Drift = -0.13 dB**
Averaged SAR: SAR(1g) = 6.520 W/kg; SAR(10g) = 4.670 W/kg
Maximum value of SAR (interpolated) = 9.470 W/kg



0 dB = 6.68 W/kg = 8.25 dBW/kg

SAR Measurement Plot 18