Plot B1

Date Tested: 06/03/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.8C; Barometric Pressure: 101.7 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

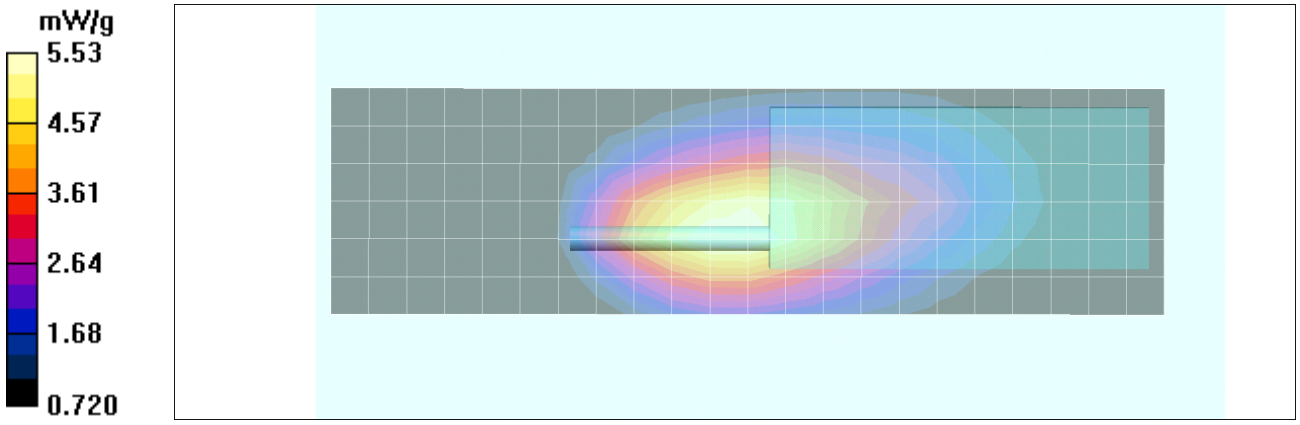
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

408 - Li-poly - 1219/10 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 5.65 mW/g

408 - Li-poly - 1219/10 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 73.3 V/m; Power Drift = -0.392 dB
Peak SAR (extrapolated) = 7.82 W/kg
SAR(1 g) = 5.24 mW/g; SAR(10 g) = 3.7 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 5.53 mW/g



Plot B2

Date Tested: 06/03/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

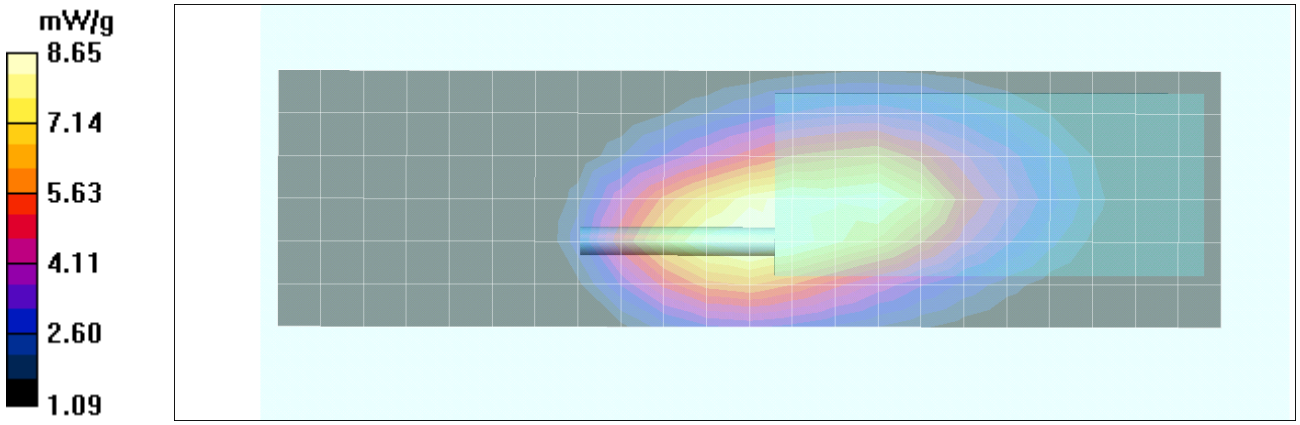
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.8C; Barometric Pressure: 101.7 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

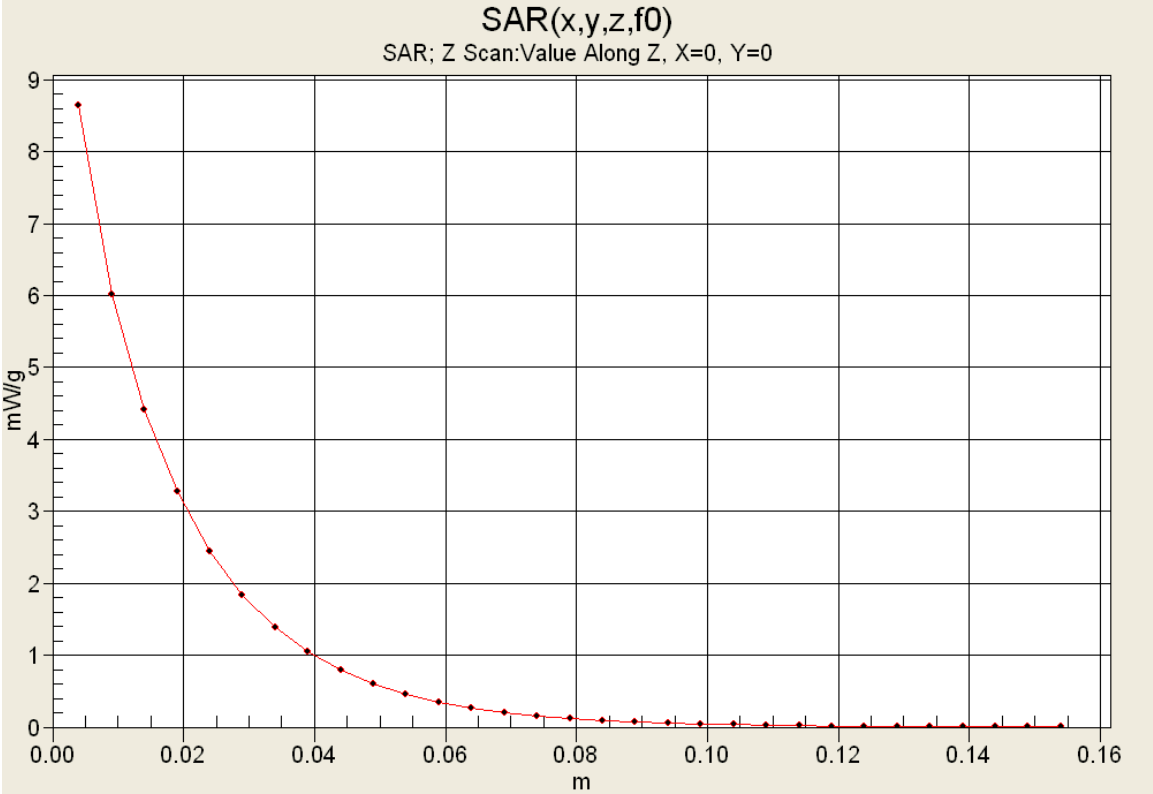
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-poly - 1219/12 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 8.92 mW/g

470 - Li-poly - 1219/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.4 V/m; Power Drift = -0.257 dB
Peak SAR (extrapolated) = 12.3 W/kg
SAR(1 g) = 8.25 mW/g; SAR(10 g) = 5.83 mW/g
Maximum value of SAR (measured) = 8.65 mW/g



Z-Axis Scan



Plot B3

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 458 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 458 MHz; σ = 0.956 mho/m; ε_r = 57.4; ρ = 1000 kg/m^3

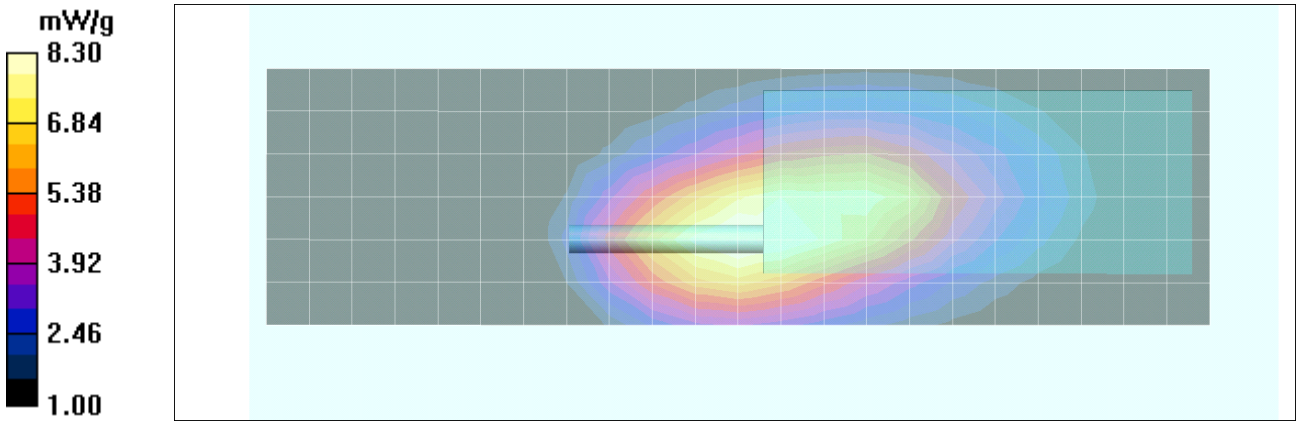
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

458 - Li-poly - 1219/12 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.79 mW/g

458 - Li-poly - 1219/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 85.2 V/m; Power Drift = -0.418 dB
Peak SAR (extrapolated) = 11.7 W/kg
SAR(1 g) = 7.85 mW/g; SAR(10 g) = 5.53 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.30 mW/g



Plot B4

Date Tested: 06/03/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.8C; Barometric Pressure: 101.7 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

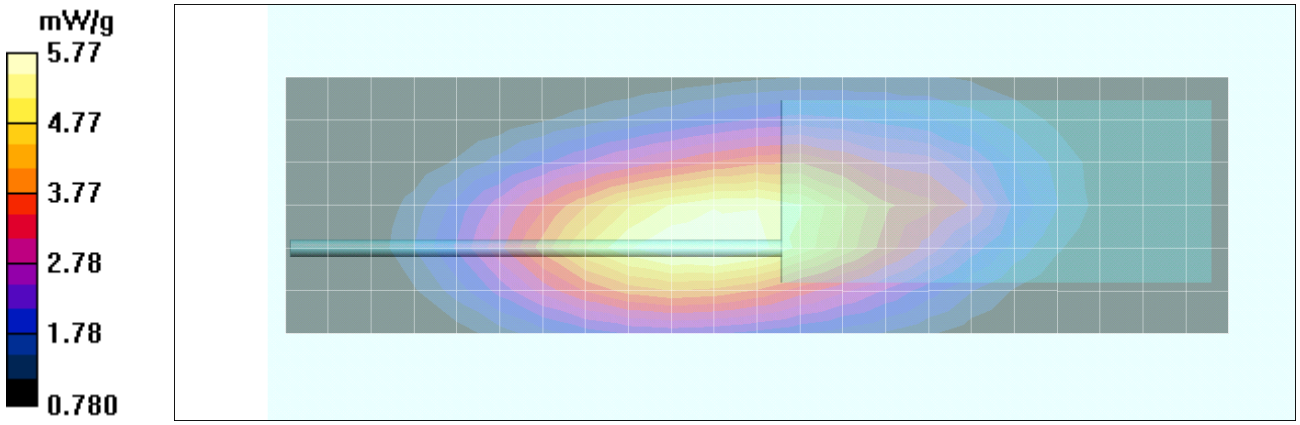
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

408 - Li-poly - 1223/10 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 5.89 mW/g

408 - Li-poly - 1223/10 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 72.9 V/m; Power Drift = -0.132 dB
Peak SAR (extrapolated) = 8.16 W/kg
SAR(1 g) = 5.51 mW/g; SAR(10 g) = 3.9 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 5.77 mW/g



Plot B5

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

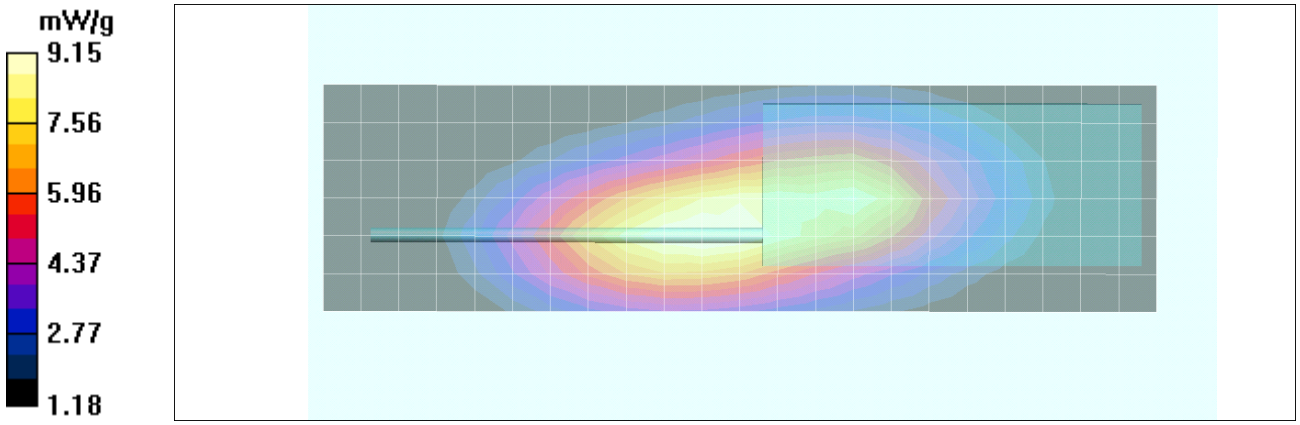
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-poly - 1223/12 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.53 mW/g

470 - Li-poly - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 91.7 V/m; Power Drift = -0.340 dB
Peak SAR (extrapolated) = 13.0 W/kg
SAR(1 g) = 8.71 mW/g; SAR(10 g) = 6.1 mW/g
Maximum value of SAR (measured) = 9.15 mW/g



Plot B6

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 458 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 458 MHz; σ = 0.956 mho/m; ε_r = 57.4; ρ = 1000 kg/m^3

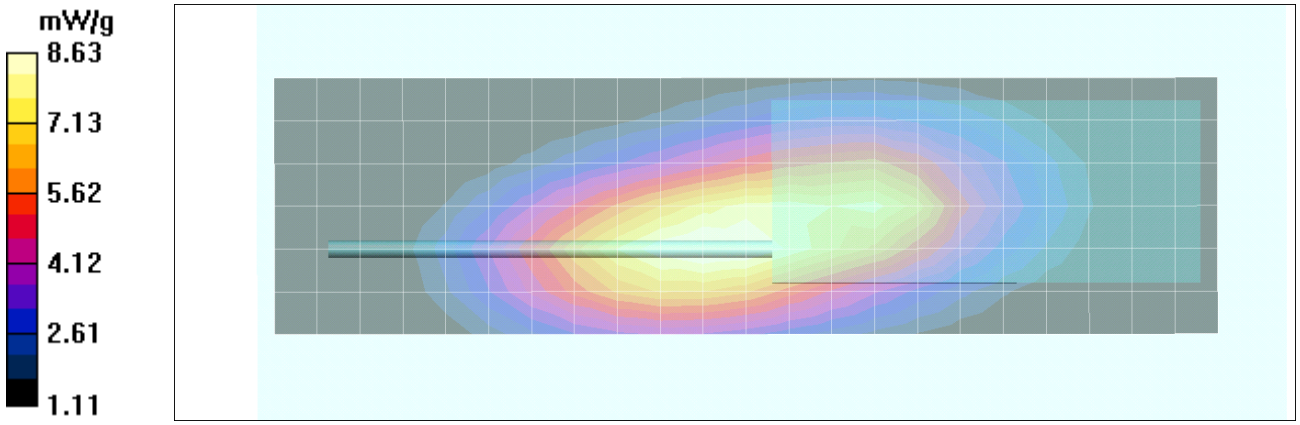
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

458 - Li-poly - 1223/12 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.96 mW/g

458 - Li-poly - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 86.9 V/m; Power Drift = -0.248 dB
Peak SAR (extrapolated) = 12.2 W/kg
SAR(1 g) = 8.17 mW/g; SAR(10 g) = 5.73 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.63 mW/g



Plot B7

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

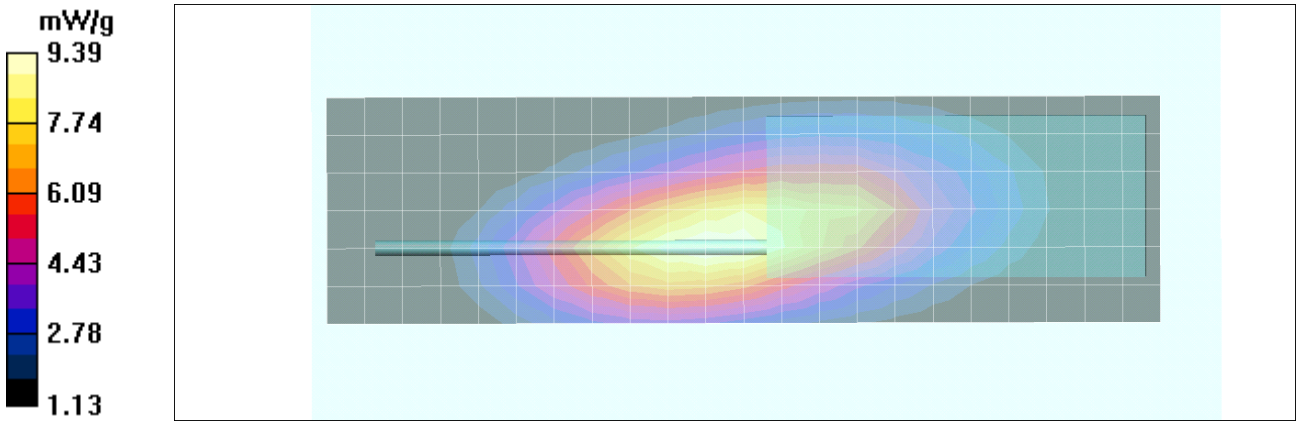
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - Li-poly - 1223/12 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.64 mW/g

443 - Li-poly - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 89.3 V/m; Power Drift = -0.288 dB
Peak SAR (extrapolated) = 13.1 W/kg
SAR(1 g) = 8.78 mW/g; SAR(10 g) = 6.12 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.39 mW/g



Plot B8

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

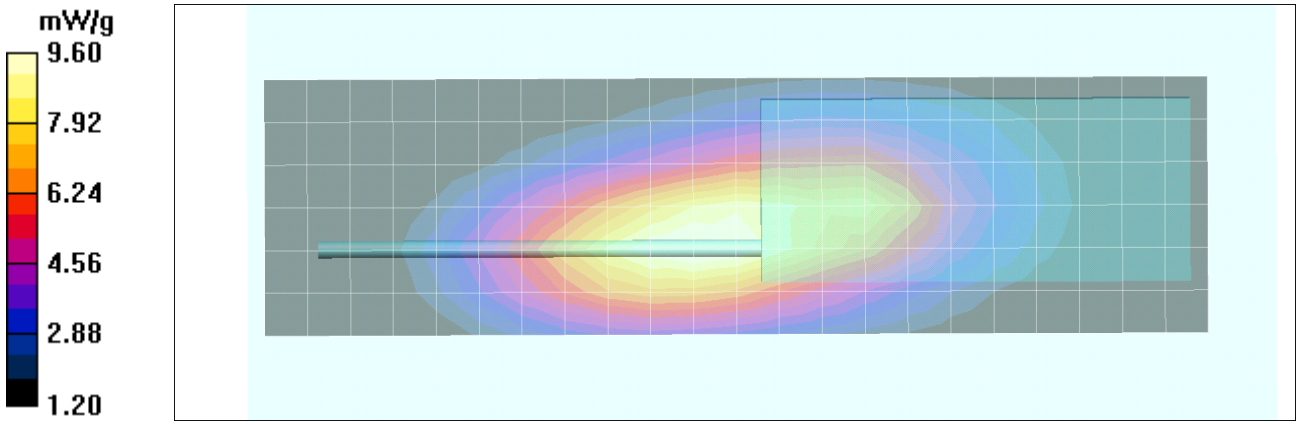
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - NiMH NIS - 1223/12 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 10.0 mW/g

443 - NiMH NIS - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.5 V/m; Power Drift = -0.173 dB
Peak SAR (extrapolated) = 13.5 W/kg
SAR(1 g) = 9.07 mW/g; SAR(10 g) = 6.36 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.60 mW/g



Plot B9

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

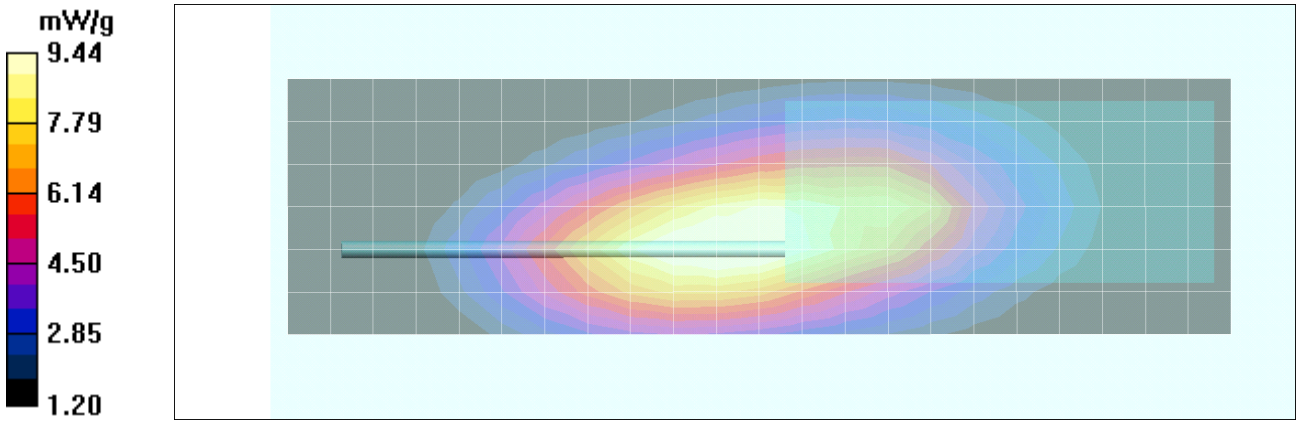
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - NiMH IS - 1223/12 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 10.3 mW/g

443 - NiMH IS - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.1 V/m; Power Drift = -0.669 dB
Peak SAR (extrapolated) = 13.4 W/kg
SAR(1 g) = 8.99 mW/g; SAR(10 g) = 6.3 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.44 mW/g



Plot B10

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

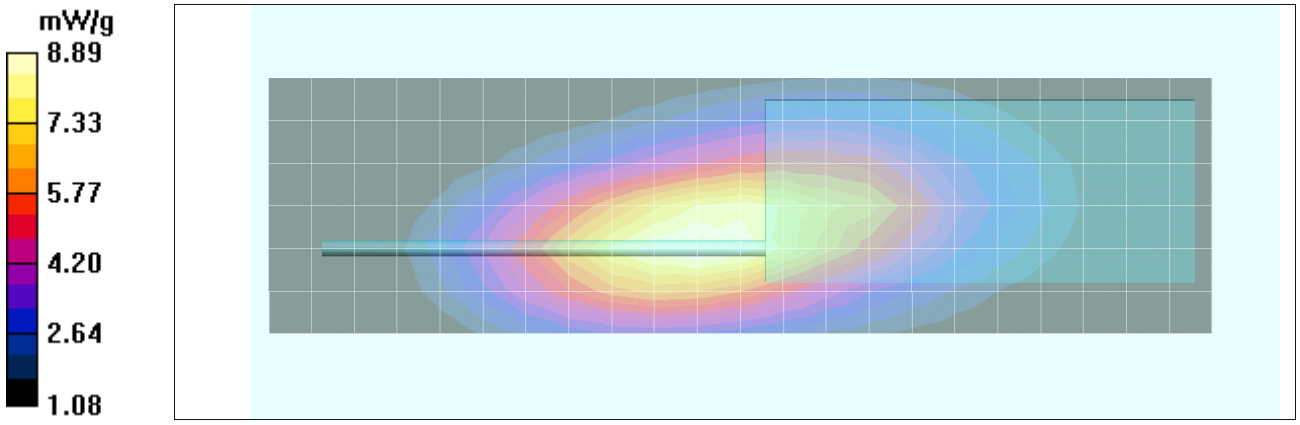
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - Li-ion - 1223/12 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.20 mW/g

443 - Li-ion - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 87.5 V/m; Power Drift = -0.210 dB
Peak SAR (extrapolated) = 12.6 W/kg
SAR(1 g) = 8.46 mW/g; SAR(10 g) = 5.93 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.89 mW/g



Plot B11

Date Tested: 06/03/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.8C; Barometric Pressure: 101.7 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

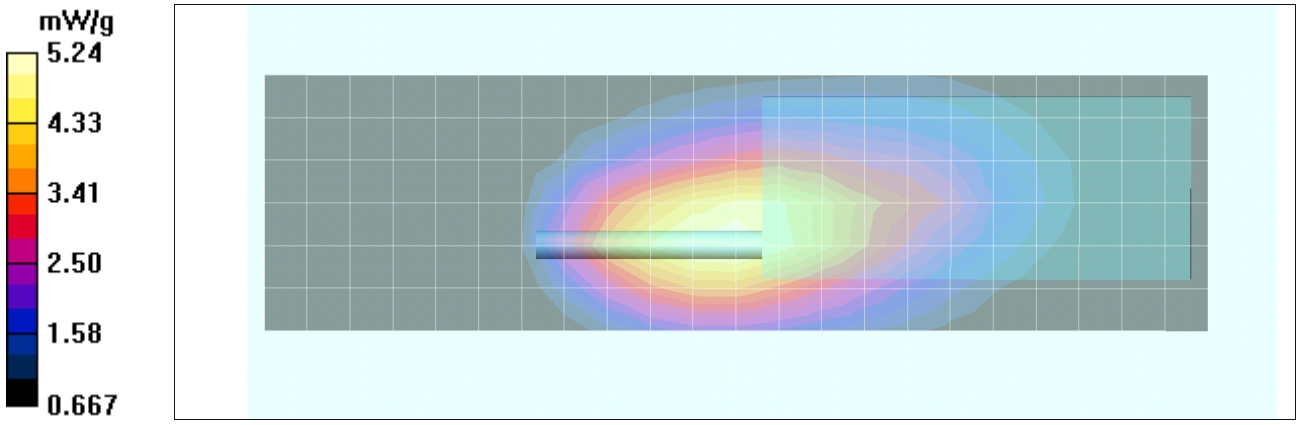
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 408 - Li-poly - 1219/10 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 5.27 mW/g

SCAN - 408 - Li-poly - 1219/10 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 68.6 V/m; Power Drift = -0.040 dB
Peak SAR (extrapolated) = 7.43 W/kg
SAR(1 g) = 4.97 mW/g; SAR(10 g) = 3.51 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 5.24 mW/g



Plot B12

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

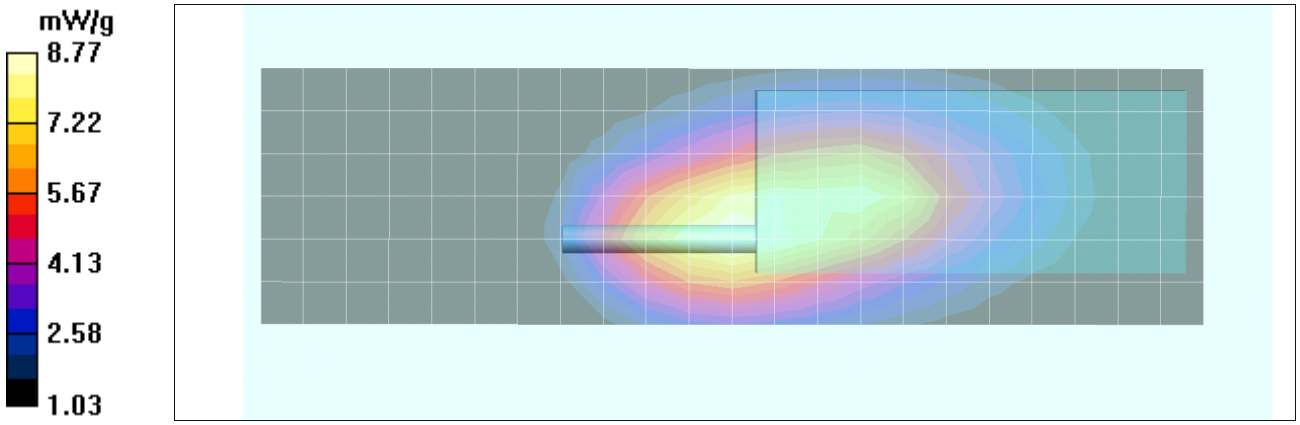
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 470 - Li-poly - 1219/12 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 8.94 mW/g

SCAN - 470 - Li-poly - 1219/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 88.9 V/m; Power Drift = -0.157 dB
Peak SAR (extrapolated) = 12.4 W/kg
SAR(1 g) = 8.31 mW/g; SAR(10 g) = 5.84 mW/g
Maximum value of SAR (measured) = 8.77 mW/g



Plot B13

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

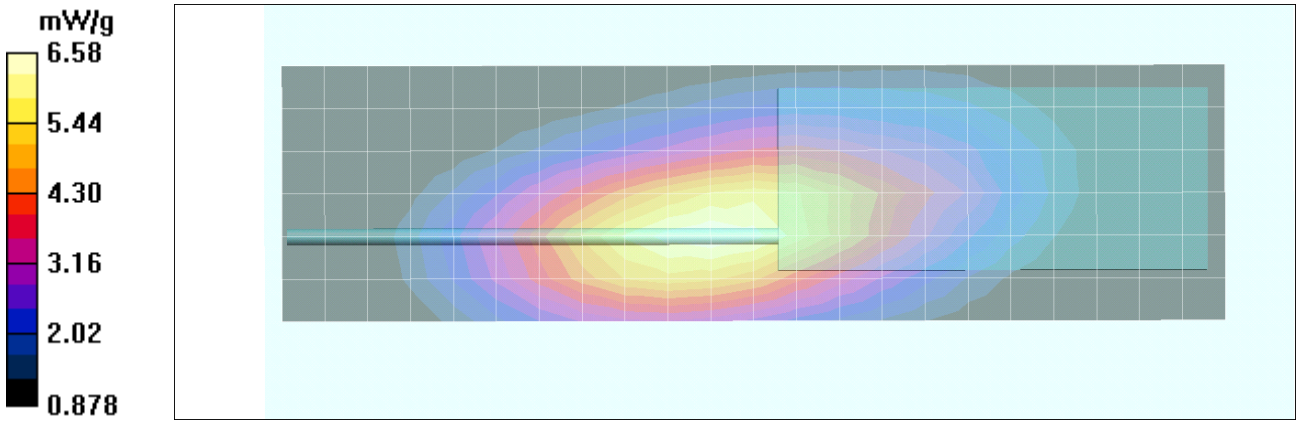
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 408 - Li-poly - 1223/10 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 6.61 mW/g

SCAN - 408 - Li-poly - 1223/10 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 73.7 V/m; Power Drift = -0.003 dB
Peak SAR (extrapolated) = 9.19 W/kg
SAR(1 g) = 6.25 mW/g; SAR(10 g) = 4.42 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 6.58 mW/g



Plot B14

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.94 mho/m; ε_r = 57.7; ρ = 1000 kg/m^3

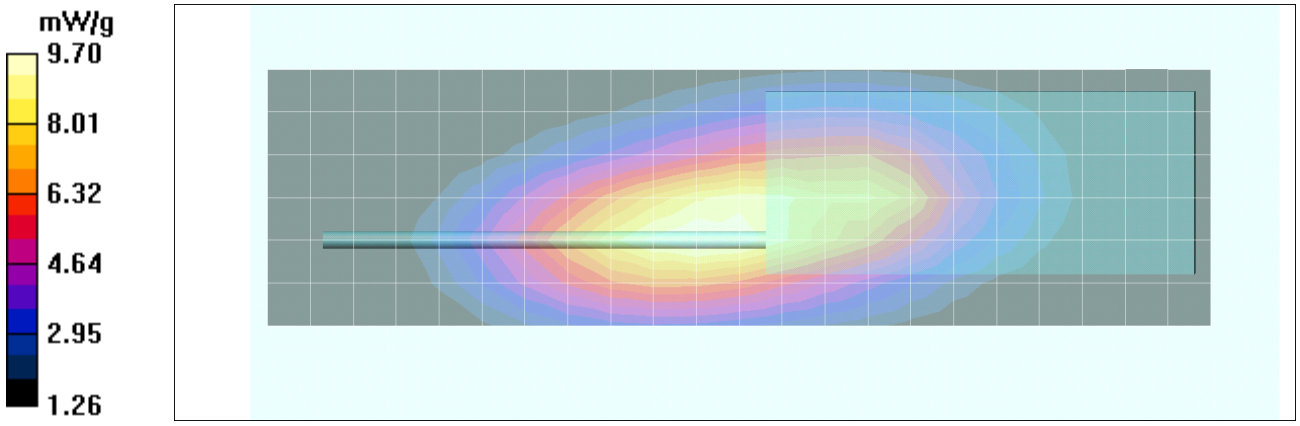
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 443 - NiMH NIS - 1223/12 - Belt-Clip/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

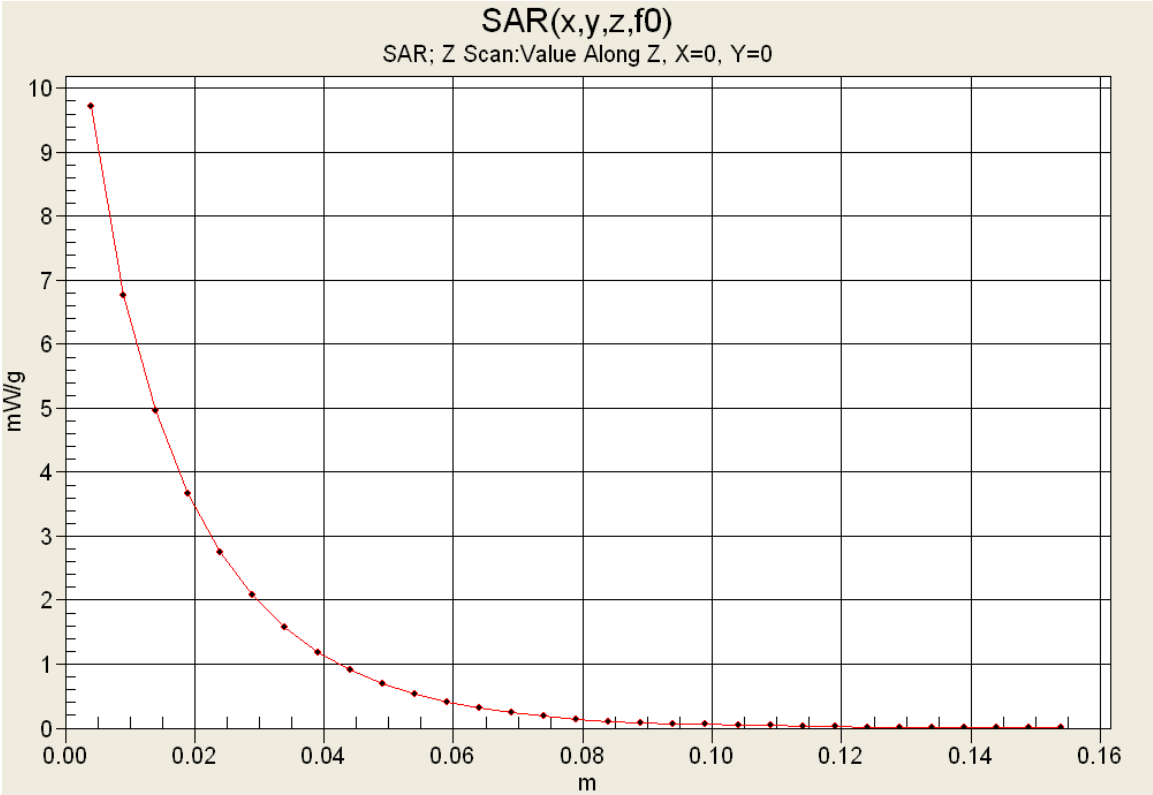
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.85 mW/g

SCAN - 443 - NiMH NIS - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 90.9 V/m; Power Drift = 0.037 dB
Peak SAR (extrapolated) = 13.7 W/kg
SAR(1 g) = 9.21 mW/g; SAR(10 g) = 6.47 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.70 mW/g



Z-Axis Scan



Plot B15

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

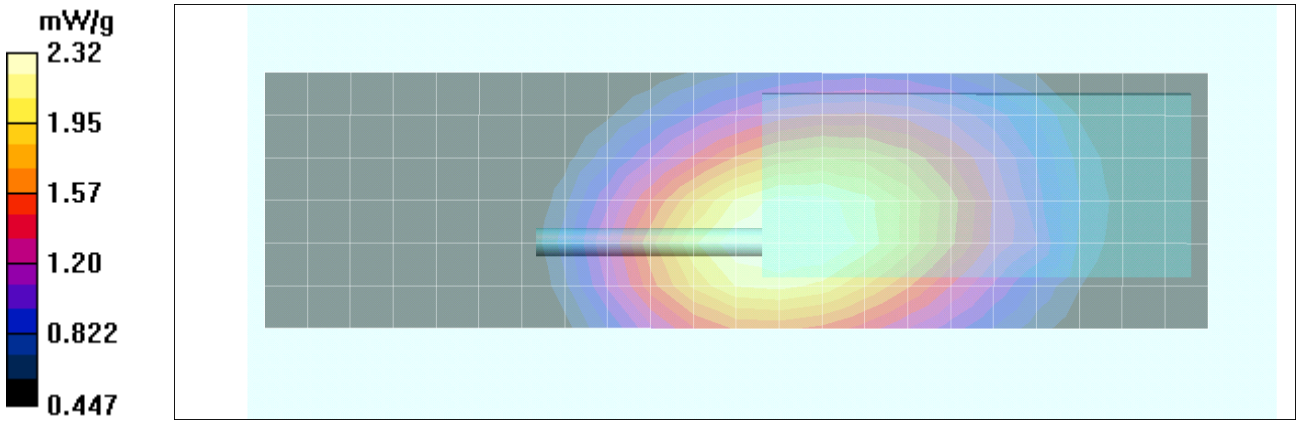
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

408 - Li-poly - 1219/10 - Nylon/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.39 mW/g

408 - Li-poly - 1219/10 - Nylon/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 48.7 V/m; Power Drift = -0.360 dB
Peak SAR (extrapolated) = 3.09 W/kg
SAR(1 g) = 2.22 mW/g; SAR(10 g) = 1.66 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.32 mW/g



Plot B16

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

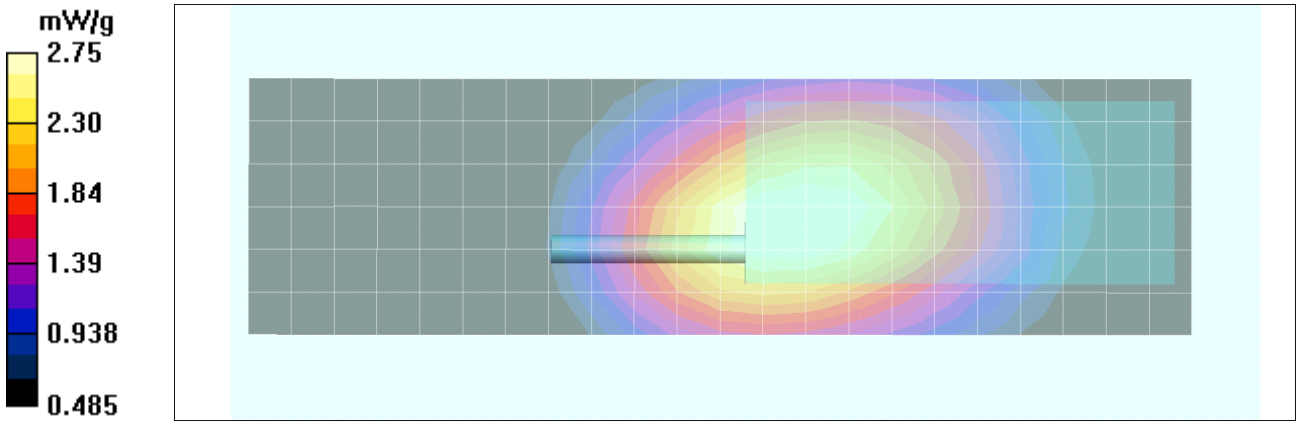
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-poly - 1219/12 - Nylon/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.83 mW/g

470 - Li-poly - 1219/12 - Nylon/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.0 V/m; Power Drift = -0.311 dB
Peak SAR (extrapolated) = 3.69 W/kg
SAR(1 g) = 2.61 mW/g; SAR(10 g) = 1.94 mW/g
Maximum value of SAR (measured) = 2.75 mW/g



Plot B17

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

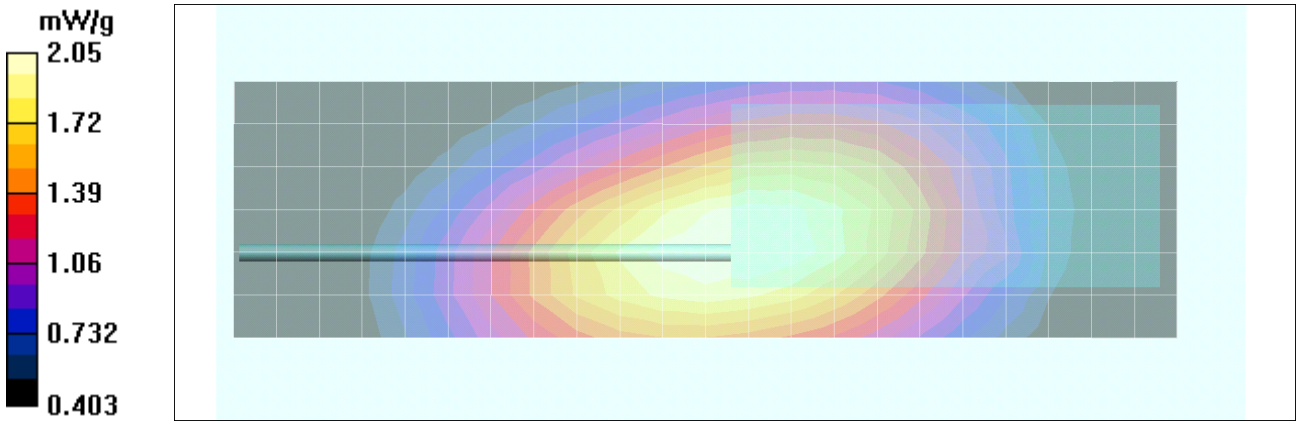
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

408 - Li-poly - 1223/10 - Nylon/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.09 mW/g

408 - Li-poly - 1223/10 - Nylon/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 45.6 V/m; Power Drift = -0.136 dB
Peak SAR (extrapolated) = 2.72 W/kg
SAR(1 g) = 1.96 mW/g; SAR(10 g) = 1.47 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.05 mW/g



Plot B18

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

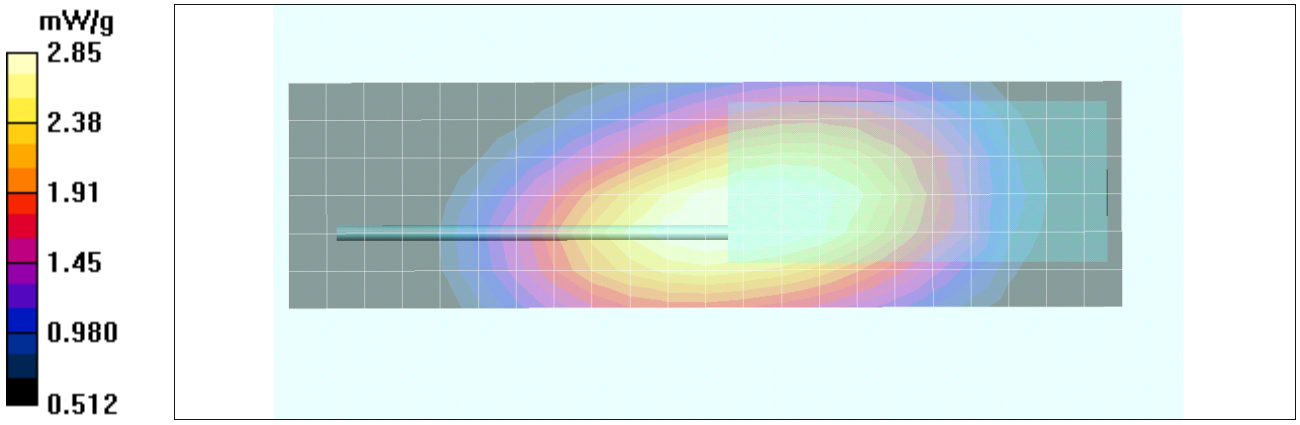
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-poly - 1223/12 - Nylon/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.95 mW/g

470 - Li-poly - 1223/12 - Nylon/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.6 V/m; Power Drift = -0.148 dB
Peak SAR (extrapolated) = 3.81 W/kg
SAR(1 g) = 2.72 mW/g; SAR(10 g) = 2.03 mW/g
Maximum value of SAR (measured) = 2.85 mW/g



Plot B19

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

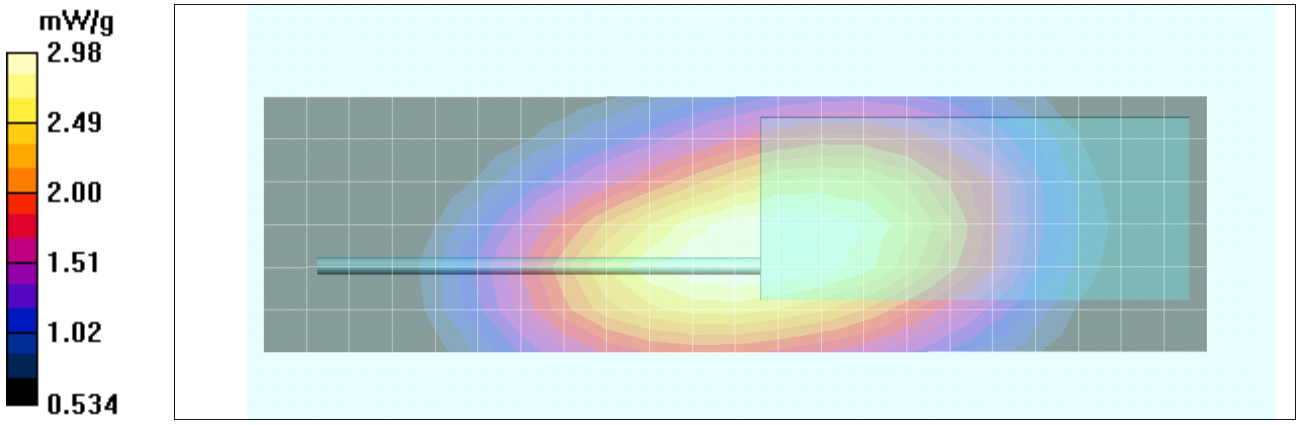
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

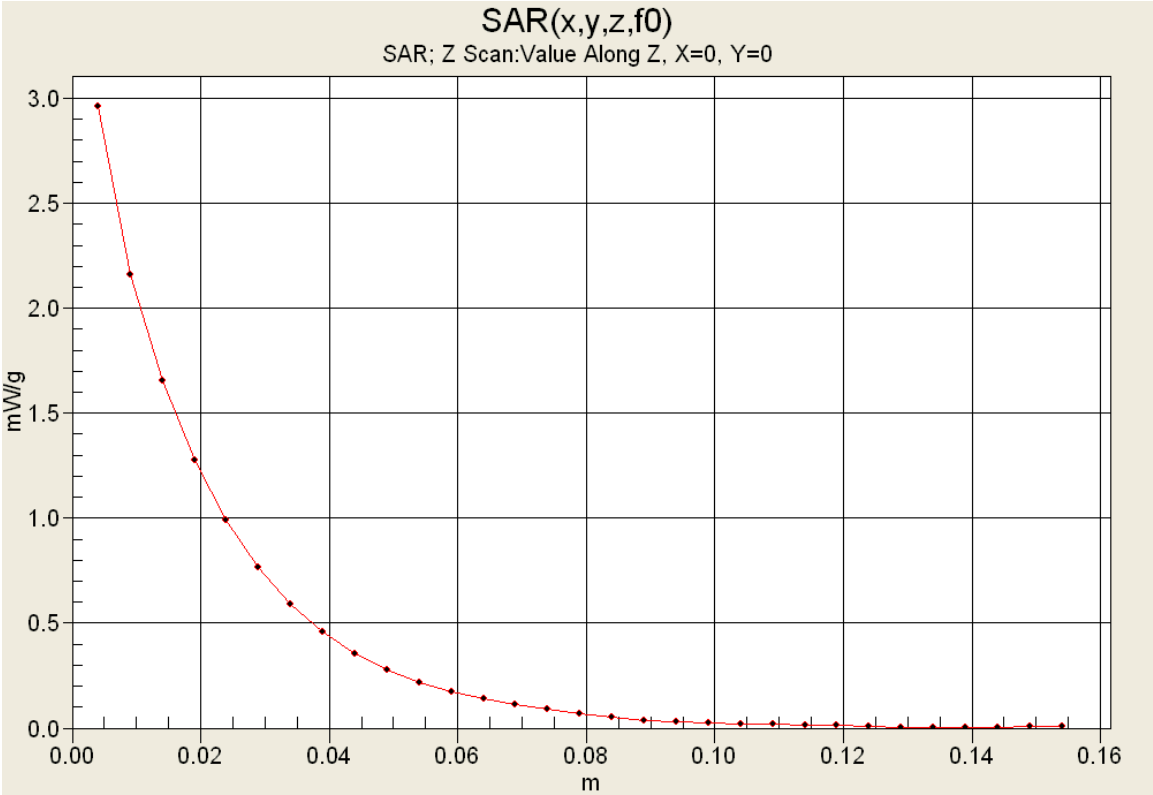
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - NiMH NIS - 1223/12 - Nylon/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.05 mW/g

470 - NiMH NIS - 1223/12 - Nylon/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 55.0 V/m; Power Drift = -0.164 dB
Peak SAR (extrapolated) = 3.99 W/kg
SAR(1 g) = 2.85 mW/g; SAR(10 g) = 2.12 mW/g
Maximum value of SAR (measured) = 2.98 mW/g



Z-Axis Scan



Plot B20

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

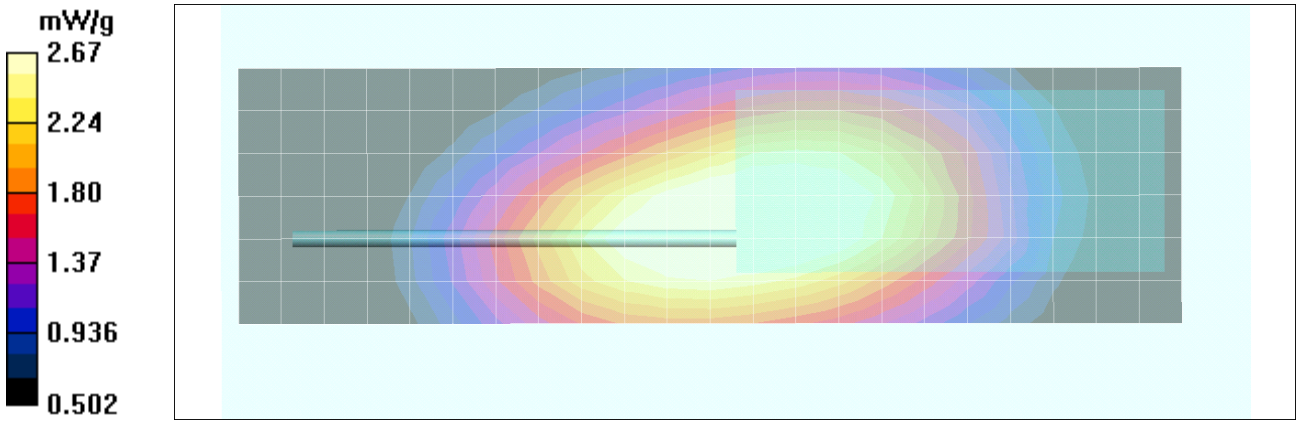
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - NiMH IS - 1223/12 - Nylon/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.96 mW/g

470 - NiMH IS - 1223/12 - Nylon/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.5 V/m; Power Drift = -0.555 dB
Peak SAR (extrapolated) = 3.57 W/kg
SAR(1 g) = 2.55 mW/g; SAR(10 g) = 1.9 mW/g
Maximum value of SAR (measured) = 2.67 mW/g



Plot B21

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

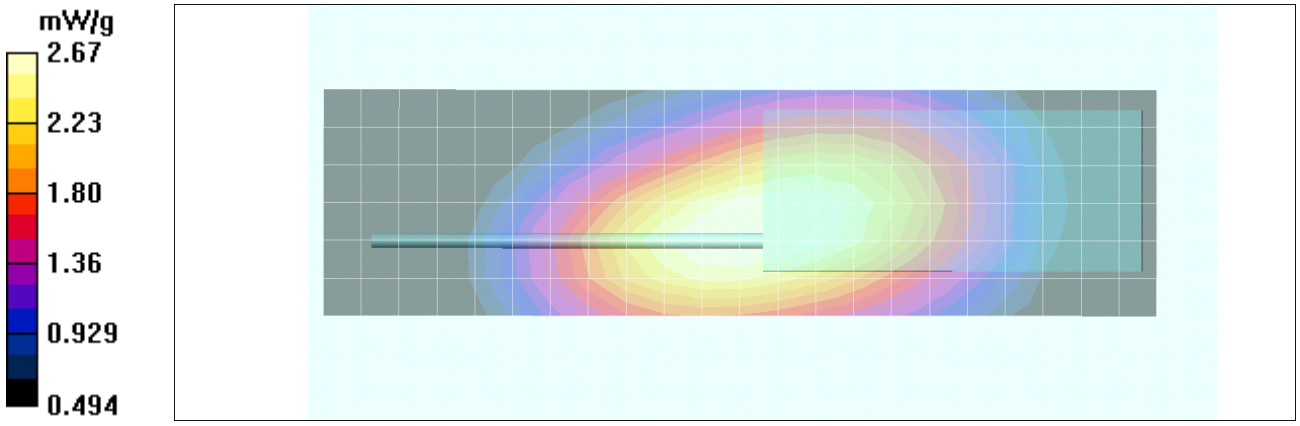
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-ion - 1223/12 - Nylon/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.79 mW/g

470 - Li-ion - 1223/12 - Nylon/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.7 V/m; Power Drift = -0.343 dB
Peak SAR (extrapolated) = 3.56 W/kg
SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.9 mW/g
Maximum value of SAR (measured) = 2.67 mW/g



Plot B22

Date Tested: 06/04/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

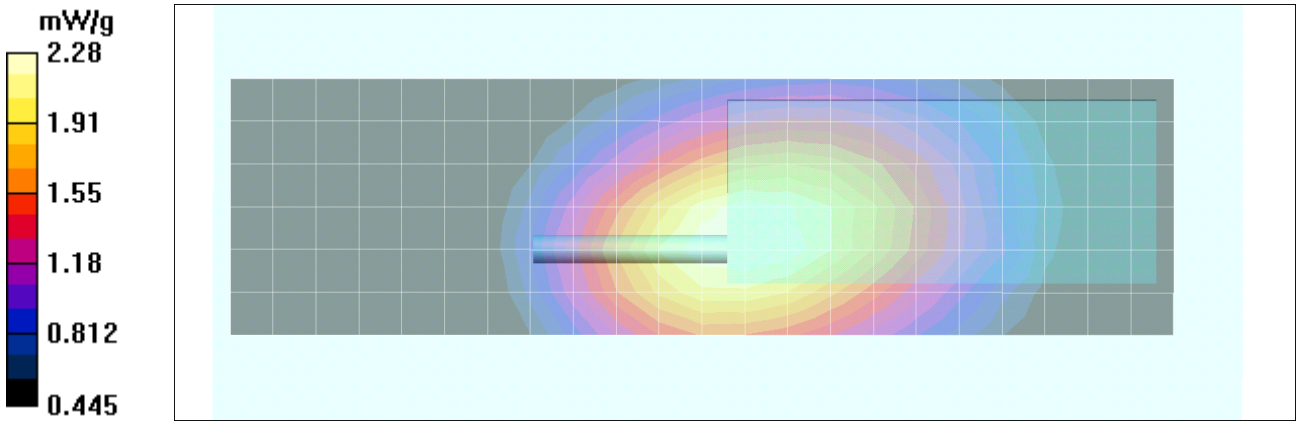
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 408 - Li-poly - 1219/10 - Nylon/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.31 mW/g

SCAN - 408 - Li-poly - 1219/10 - Nylon/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 48.3 V/m; Power Drift = -0.238 dB
Peak SAR (extrapolated) = 3.02 W/kg
SAR(1 g) = 2.18 mW/g; SAR(10 g) = 1.64 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.28 mW/g



Plot B23

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

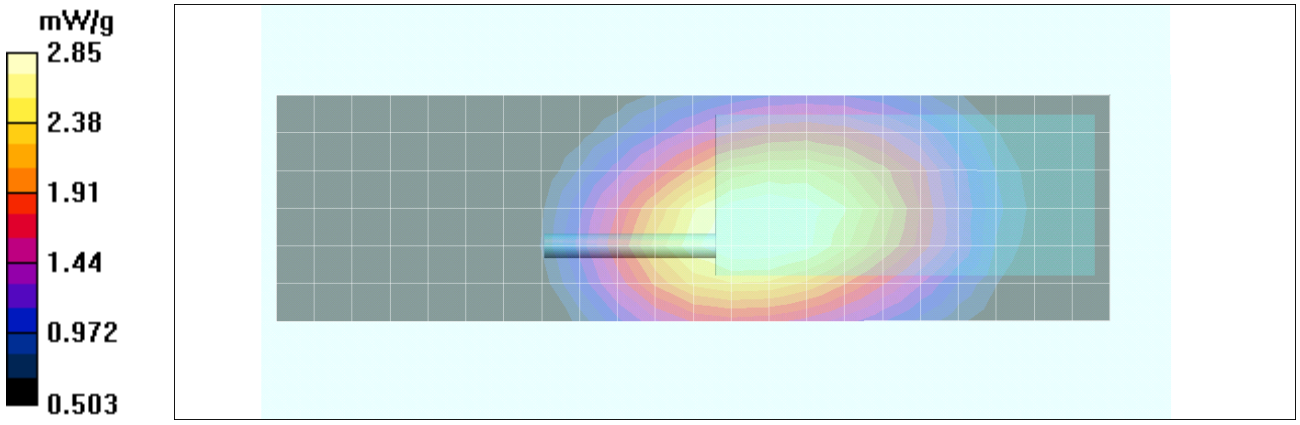
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 470 - Li-poly - 1219/12 - Nylon/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.88 mW/g

SCAN - 470 - Li-poly - 1219/12 - Nylon/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.3 V/m; Power Drift = -0.124 dB
Peak SAR (extrapolated) = 3.85 W/kg
SAR(1 g) = 2.73 mW/g; SAR(10 g) = 2.04 mW/g
Maximum value of SAR (measured) = 2.85 mW/g



Plot B24

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

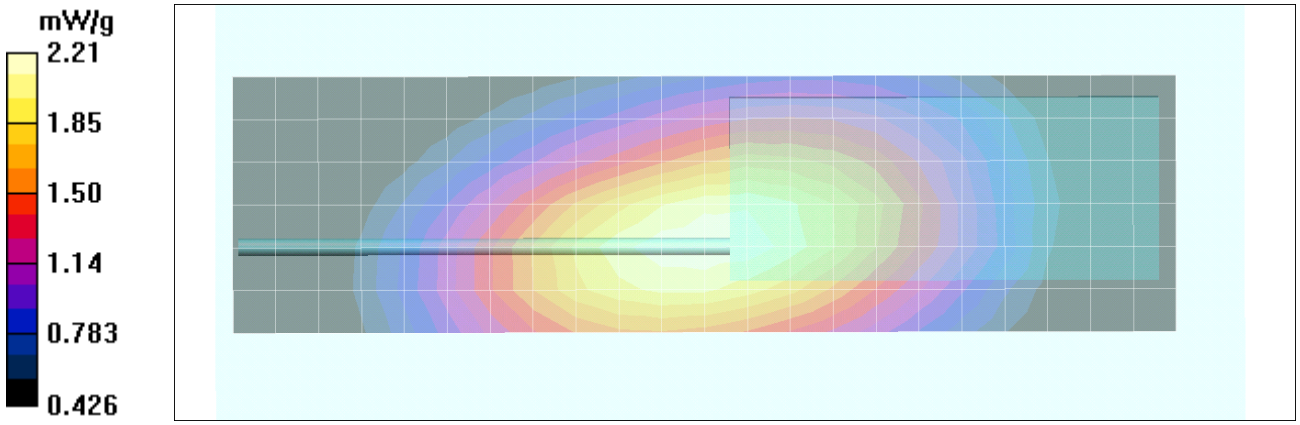
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 408 - Li-poly - 1223/10 - Nylon/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.20 mW/g

SCAN - 408 - Li-poly - 1223/10 - Nylon/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 46.4 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 2.94 W/kg
SAR(1 g) = 2.11 mW/g; SAR(10 g) = 1.57 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.21 mW/g



Plot B25

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

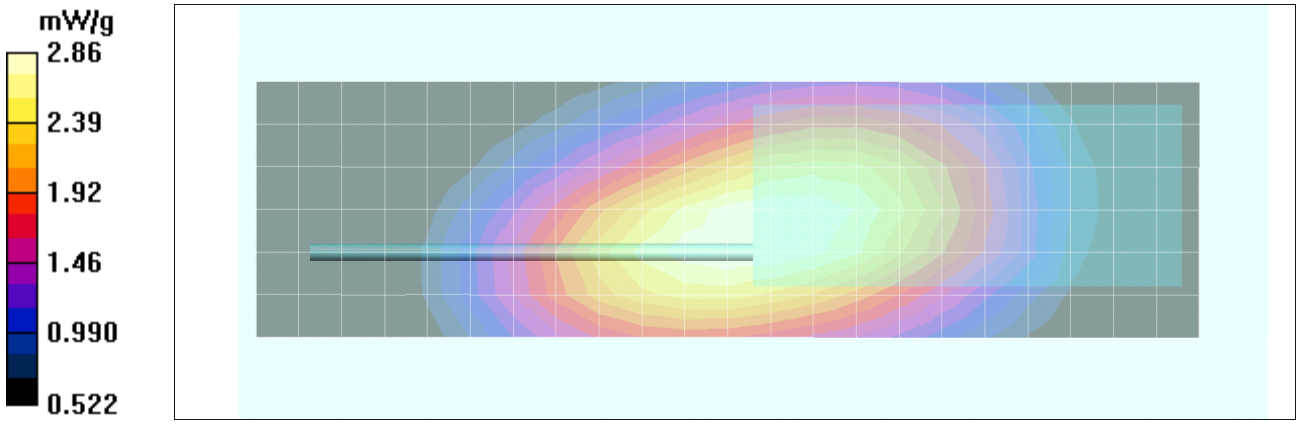
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 470 - NiMH NIS - 1223/12 - Nylon/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.87 mW/g

SCAN - 470 - NiMH NIS - 1223/12 - Nylon/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 53.0 V/m; Power Drift = 0.059 dB
Peak SAR (extrapolated) = 3.83 W/kg
SAR(1 g) = 2.73 mW/g; SAR(10 g) = 2.04 mW/g
Maximum value of SAR (measured) = 2.86 mW/g



Plot B26

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

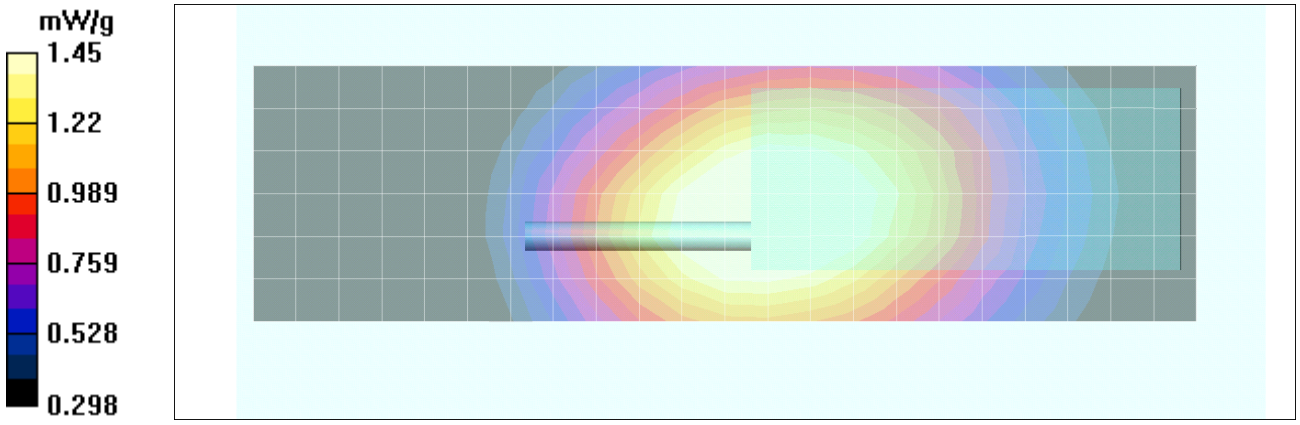
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

408 - Li-poly - 1219/10 - Leather Belt-loop/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.61 mW/g

408 - Li-poly - 1219/10 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 40.9 V/m; Power Drift = -0.401 dB
Peak SAR (extrapolated) = 1.91 W/kg
SAR(1 g) = 1.4 mW/g; SAR(10 g) = 1.06 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.45 mW/g



Plot B27

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

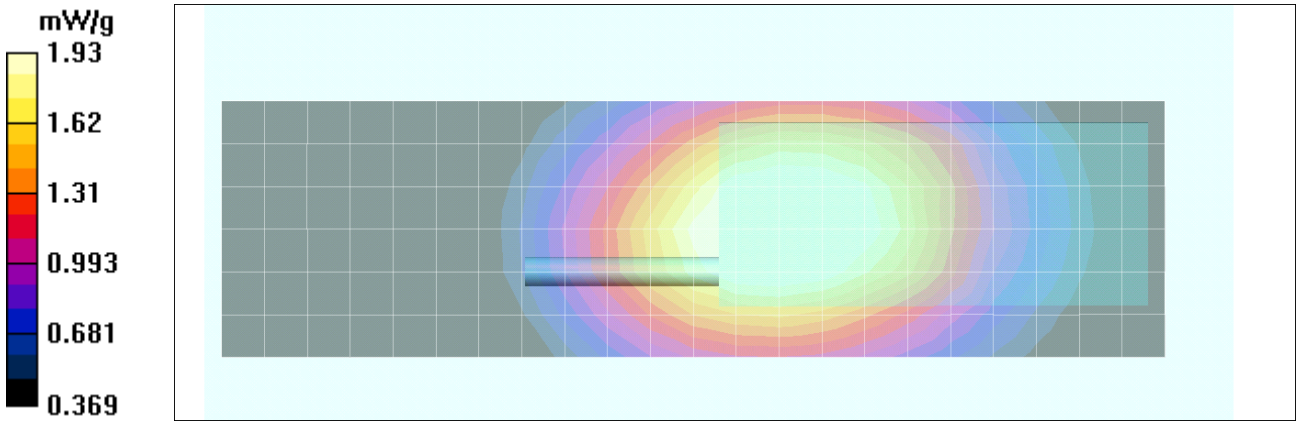
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-poly - 1219/12 - Leather Belt-loop/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.13 mW/g

470 - Li-poly - 1219/12 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 45.5 V/m; Power Drift = -0.350 dB
Peak SAR (extrapolated) = 2.54 W/kg
SAR(1 g) = 1.85 mW/g; SAR(10 g) = 1.4 mW/g
Maximum value of SAR (measured) = 1.93 mW/g



Plot B28

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

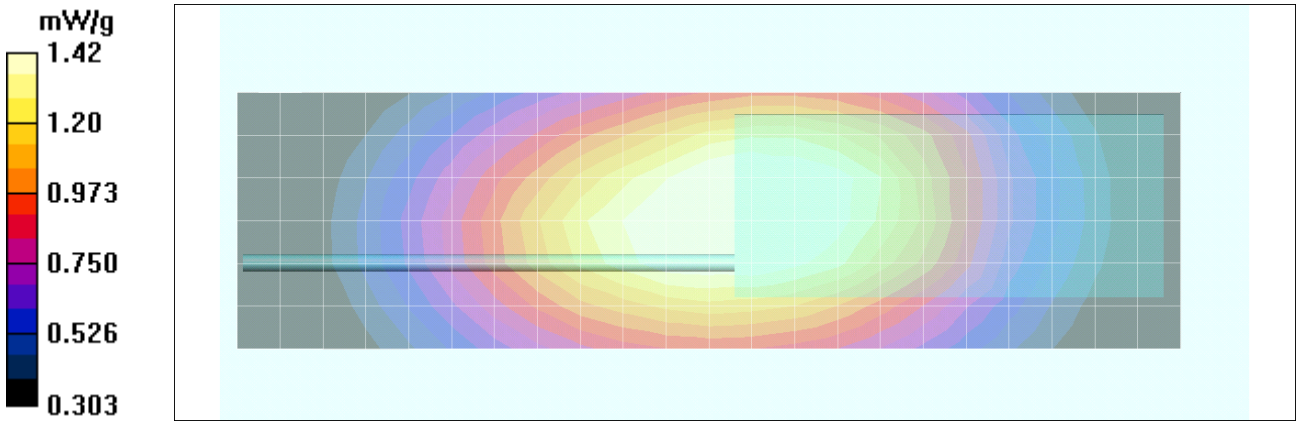
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

408 - Li-poly - 1223/10 - Leather Belt-loop/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.51 mW/g

408 - Li-poly - 1223/10 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 40.5 V/m; Power Drift = -0.221 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 1.36 mW/g; SAR(10 g) = 1.03 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.42 mW/g



Plot B29

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

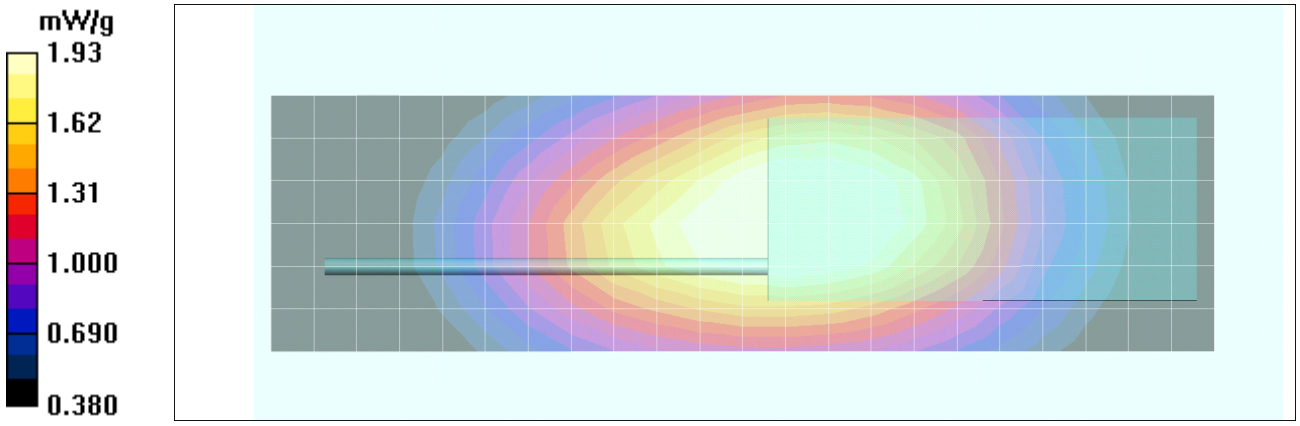
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-poly - 1223/12 - Leather Belt-loop/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.09 mW/g

470 - Li-poly - 1223/12 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 46.0 V/m; Power Drift = -0.162 dB
Peak SAR (extrapolated) = 2.55 W/kg
SAR(1 g) = 1.85 mW/g; SAR(10 g) = 1.4 mW/g
Maximum value of SAR (measured) = 1.93 mW/g



Plot B30

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

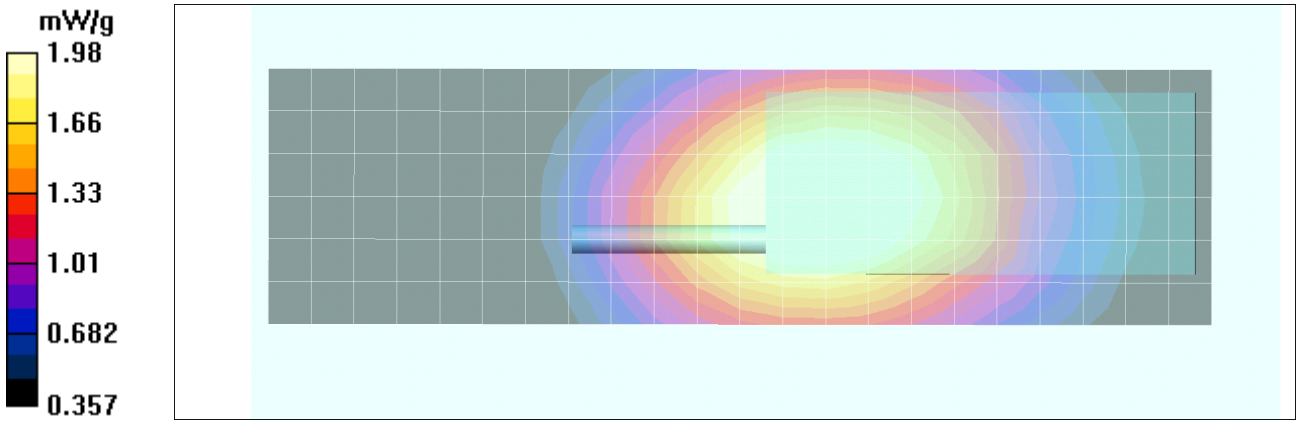
Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.95 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - NiMH NIS - 1219/12 - Leather Belt-loop/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.20 mW/g

470 - NiMH NIS - 1219/12 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 45.8 V/m; Power Drift = -0.336 dB
Peak SAR (extrapolated) = 2.62 W/kg
SAR(1 g) = 1.9 mW/g; SAR(10 g) = 1.43 mW/g
Maximum value of SAR (measured) = 1.98 mW/g



Plot B31

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

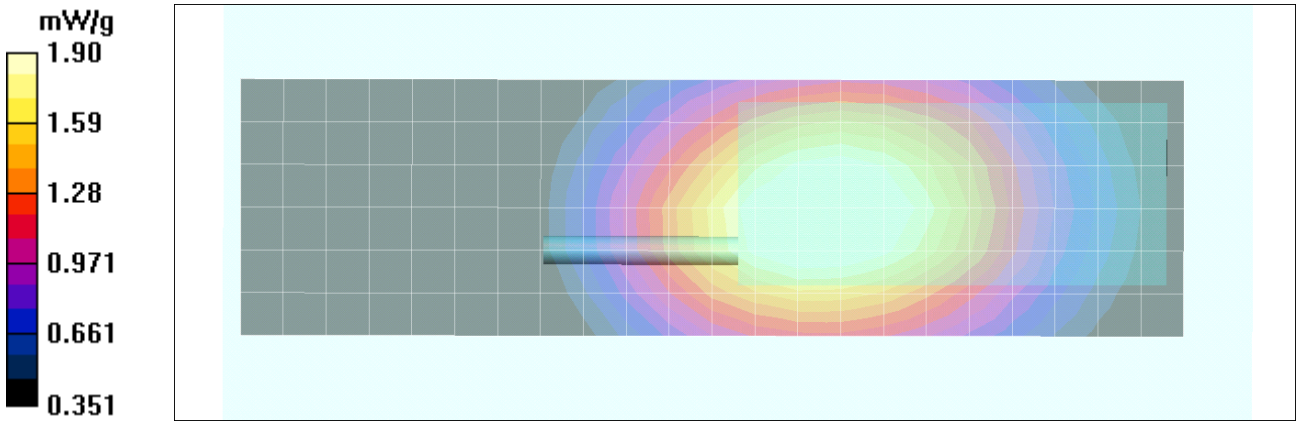
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - NiMH IS - 1219/12 - Leather Belt-loop/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.05 mW/g

470 - NiMH IS - 1219/12 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 43.3 V/m; Power Drift = -0.340 dB
Peak SAR (extrapolated) = 2.51 W/kg
SAR(1 g) = 1.82 mW/g; SAR(10 g) = 1.37 mW/g
Maximum value of SAR (measured) = 1.90 mW/g



Plot B32

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

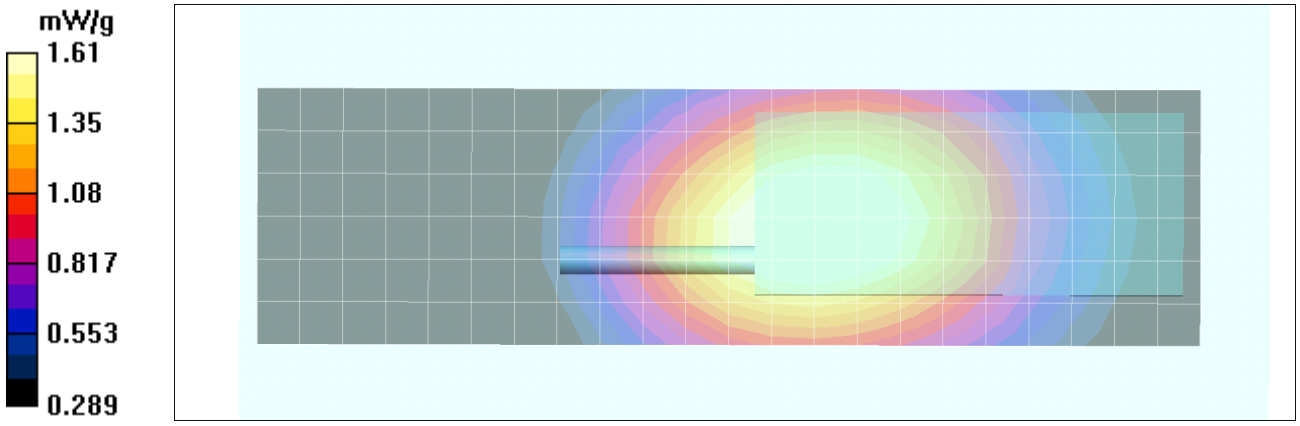
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-ion - 1219/12 - Leather Belt-loop/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.75 mW/g

470 - Li-ion - 1219/12 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 41.2 V/m; Power Drift = -0.297 dB
Peak SAR (extrapolated) = 2.12 W/kg
SAR(1 g) = 1.54 mW/g; SAR(10 g) = 1.16 mW/g
Maximum value of SAR (measured) = 1.61 mW/g



Plot B33

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

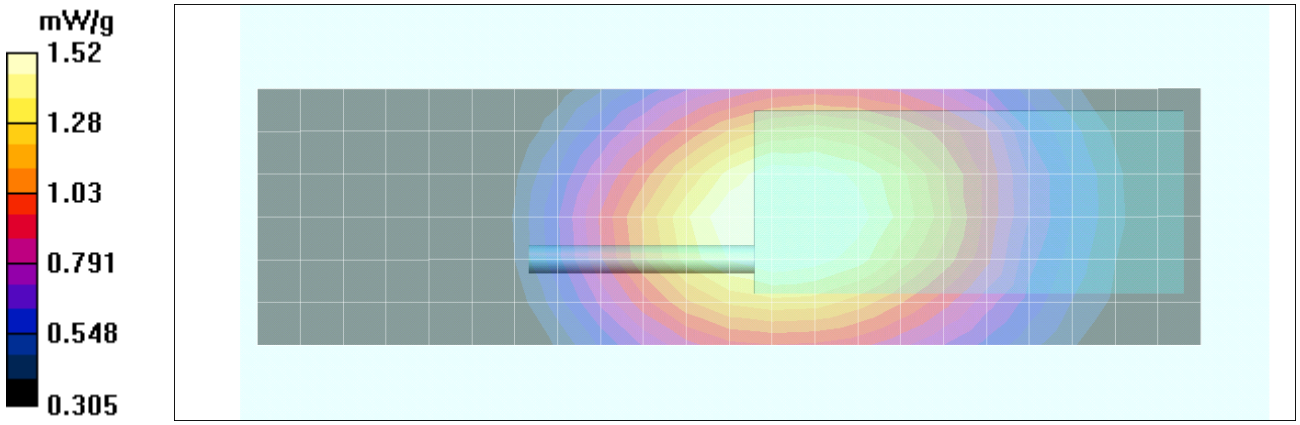
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 408 - Li-poly - 1219/10 - Leather Belt-loop/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.59 mW/g

SCAN - 408 - Li-poly - 1219/10 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 41.1 V/m; Power Drift = -0.081 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 1.44 mW/g; SAR(10 g) = 1.1 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.52 mW/g



Plot B34

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

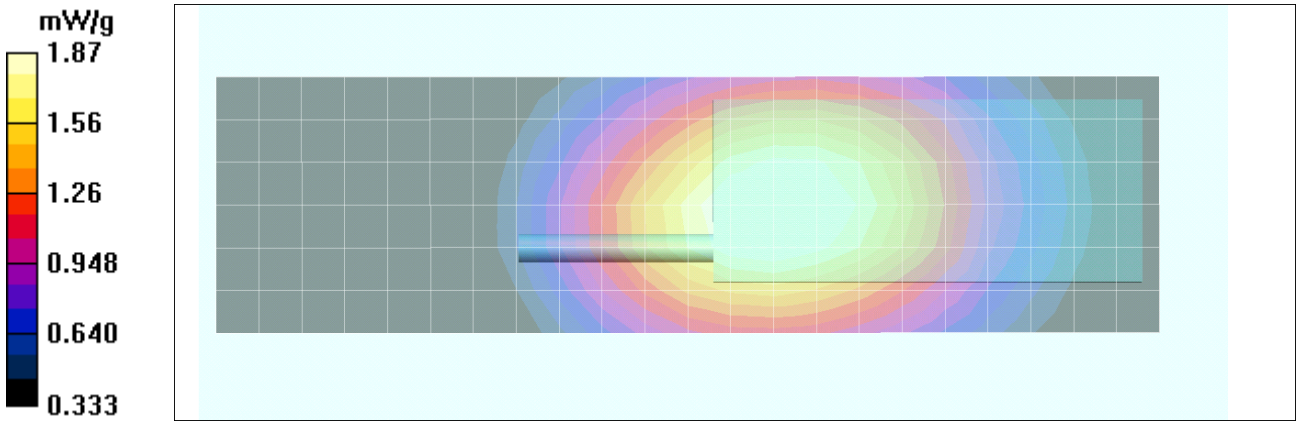
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 470 - NiMH NIS - 1219/12 - Leather Belt-loop/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.95 mW/g

SCAN - 470 - NiMH NIS - 1219/12 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 43.4 V/m; Power Drift = -0.097 dB
Peak SAR (extrapolated) = 2.46 W/kg
SAR(1 g) = 1.79 mW/g; SAR(10 g) = 1.35 mW/g
Maximum value of SAR (measured) = 1.87 mW/g



Plot B35

Date Tested: 06/05/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.908 mho/m; ε_r = 58.2; ρ = 1000 kg/m^3

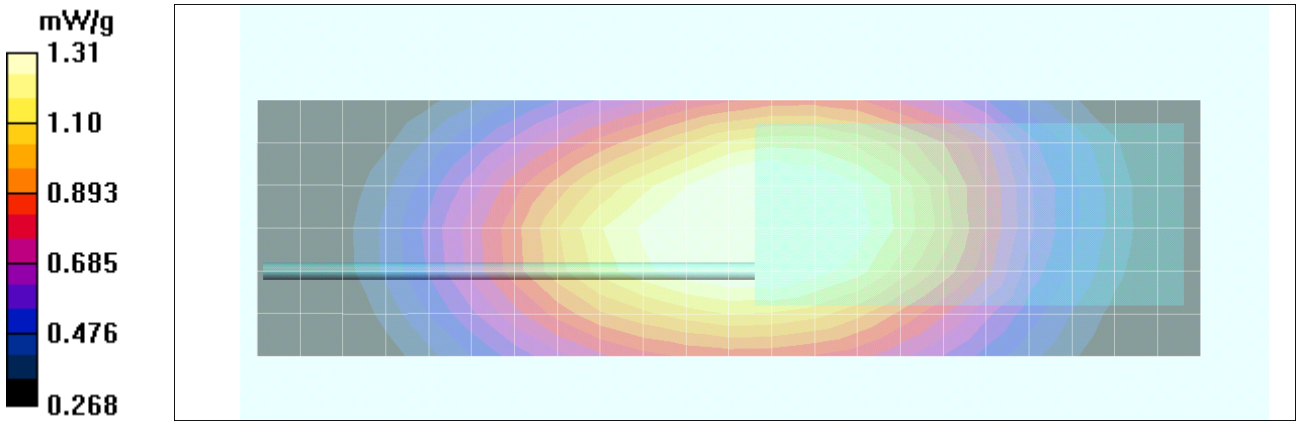
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 408 - Li-poly - 1223/10 - Leather Belt-loop/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.42 mW/g

SCAN - 408 - Li-poly - 1223/10 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 38.0 V/m; Power Drift = 0.004 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.942 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.31 mW/g



Plot B36

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

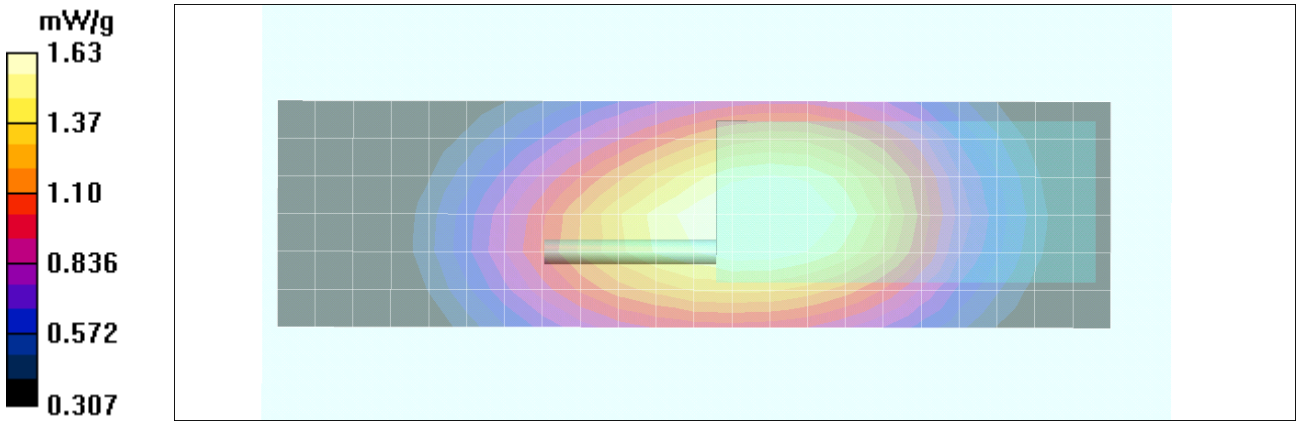
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 470 - Li-Poly - 1223/12 - Leather Belt-loop/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 1.68 mW/g

SCAN - 470 - Li-Poly - 1223/12 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 41.1 V/m; Power Drift = -0.024 dB
Peak SAR (extrapolated) = 2.15 W/kg
SAR(1 g) = 1.56 mW/g; SAR(10 g) = 1.18 mW/g
Maximum value of SAR (measured) = 1.63 mW/g



Plot B37

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.9 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

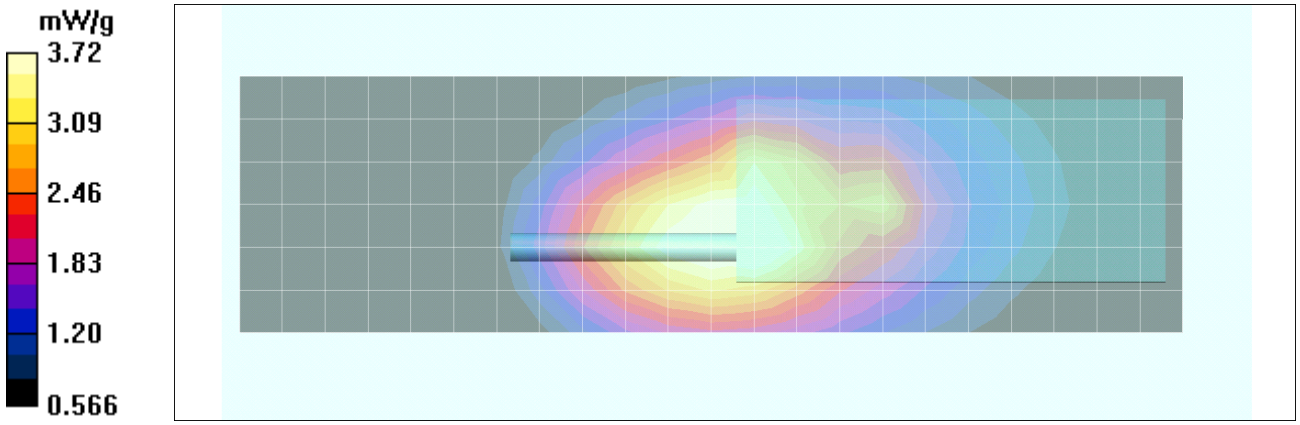
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

408 - Li-Poly - 1219/10 - Leather Shoulder Strap/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 4.07 mW/g

408 - Li-Poly - 1219/10 - Leather Shoulder Strap/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 62.6 V/m; Power Drift = -0.426 dB
Peak SAR (extrapolated) = 5.27 W/kg
SAR(1 g) = 3.54 mW/g; SAR(10 g) = 2.54 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.72 mW/g



Plot B38

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

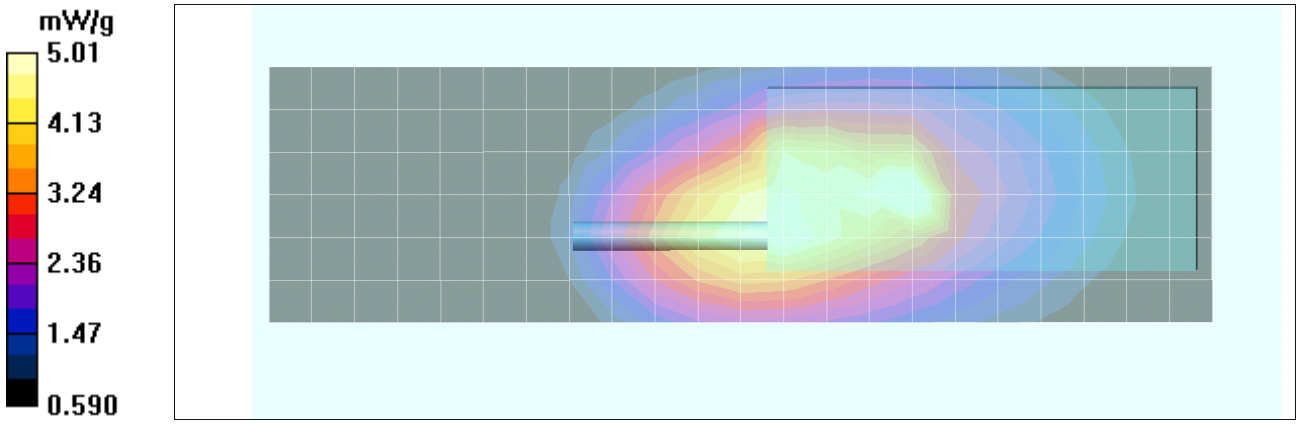
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-Poly - 1219/12 - Leather Shoulder Strap/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.68 mW/g

470 - Li-Poly - 1219/12 - Leather Shoulder Strap/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 68.3 V/m; Power Drift = -0.406 dB
Peak SAR (extrapolated) = 8.95 W/kg
SAR(1 g) = 4.6 mW/g; SAR(10 g) = 3 mW/g
Maximum value of SAR (measured) = 5.01 mW/g



Plot B39

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.9 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

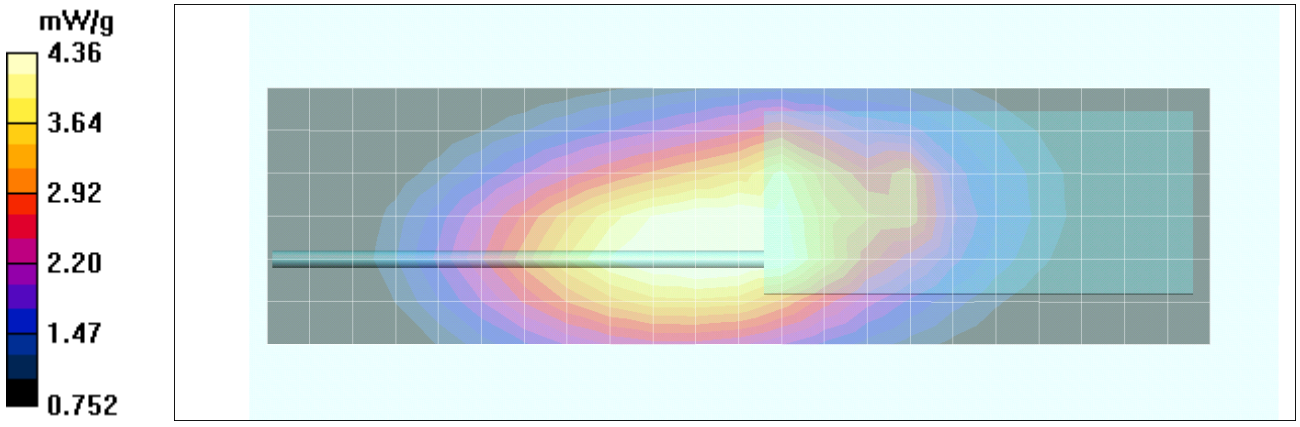
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

408 - Li-Poly - 1223/10 - Leather Shoulder Strap/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 4.60 mW/g

408 - Li-Poly - 1223/10 - Leather Shoulder Strap/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 68.0 V/m; Power Drift = -0.218 dB
Peak SAR (extrapolated) = 5.84 W/kg
SAR(1 g) = 4.17 mW/g; SAR(10 g) = 3.08 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 4.36 mW/g



Plot B40

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

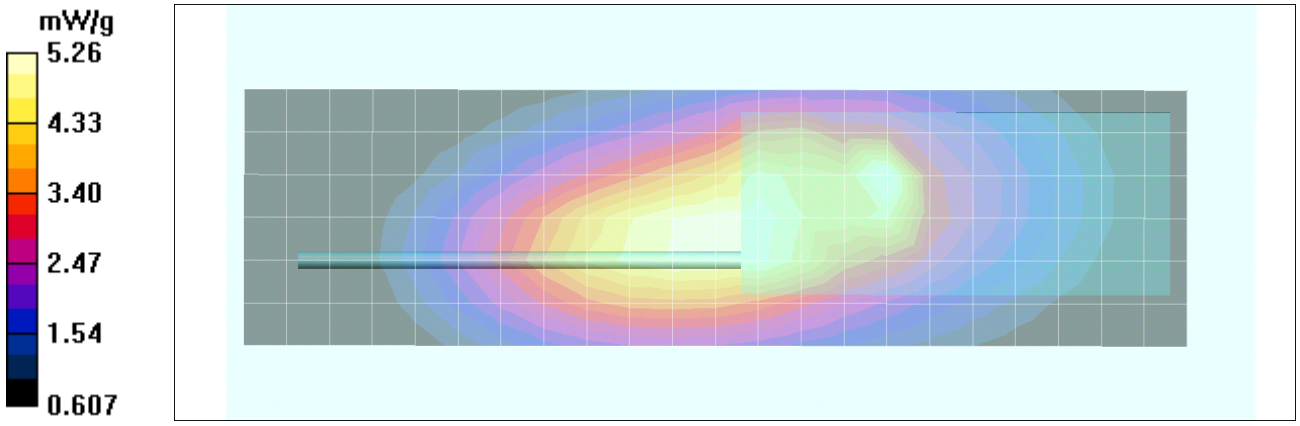
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-Poly - 1223/12 - Leather Shoulder Strap/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.51 mW/g

470 - Li-Poly - 1223/12 - Leather Shoulder Strap/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 71.7 V/m; Power Drift = -0.217 dB
Peak SAR (extrapolated) = 9.54 W/kg
SAR(1 g) = 4.82 mW/g; SAR(10 g) = 3.1 mW/g
Maximum value of SAR (measured) = 5.26 mW/g



Plot B41

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

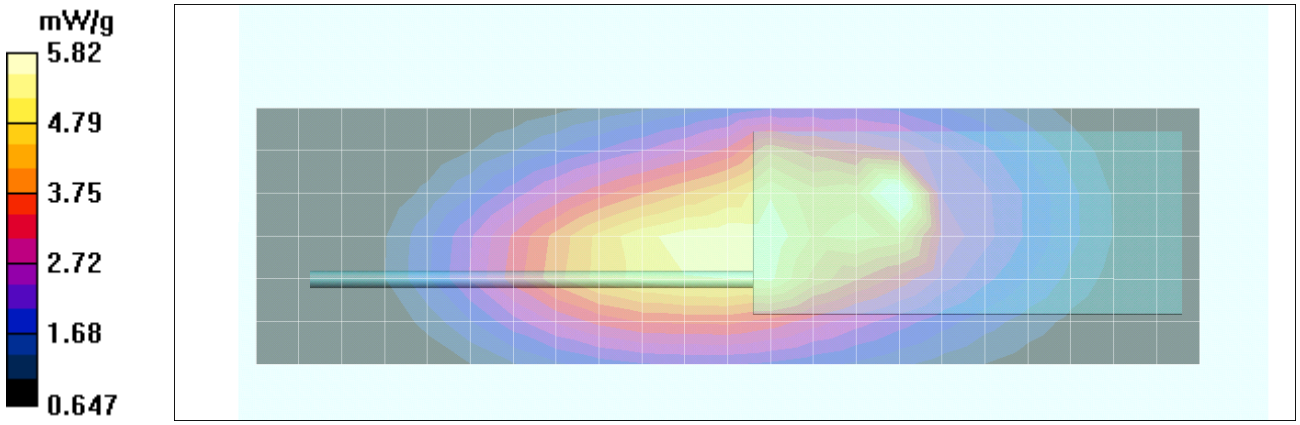
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - NiMH NIS - 1223/12 - Leather Shoulder Strap/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.13 mW/g

470 - NiMH NIS - 1223/12 - Leather Shoulder Strap/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 73.9 V/m; Power Drift = -0.235 dB
Peak SAR (extrapolated) = 11.5 W/kg
SAR(1 g) = 5.34 mW/g; SAR(10 g) = 3.34 mW/g
Maximum value of SAR (measured) = 5.82 mW/g



Plot B42

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

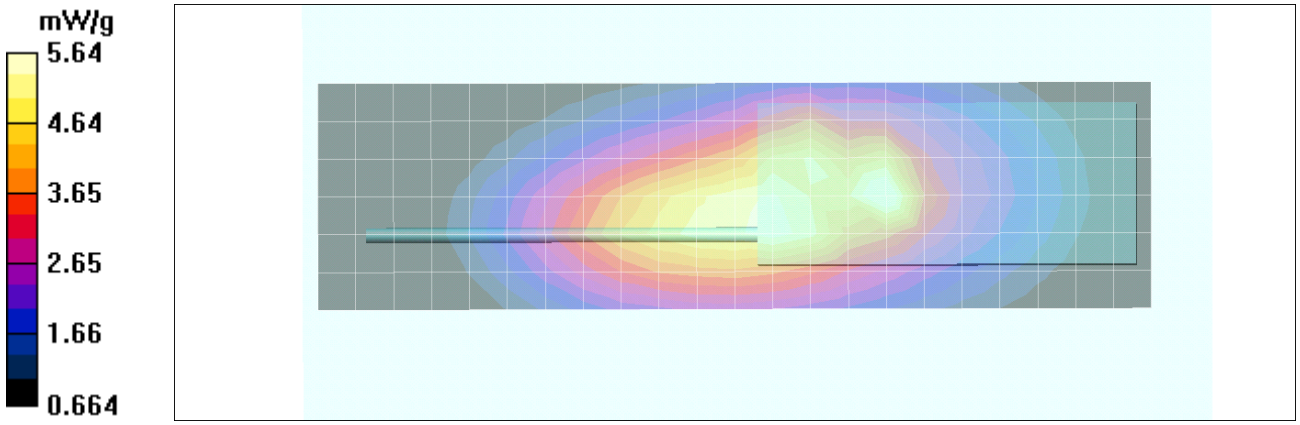
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - NiMH IS - 1223/12 - Leather Shoulder Strap/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.02 mW/g

470 - NiMH IS - 1223/12 - Leather Shoulder Strap/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 73.8 V/m; Power Drift = -0.571 dB
Peak SAR (extrapolated) = 10.8 W/kg
SAR(1 g) = 5.12 mW/g; SAR(10 g) = 3.26 mW/g
Maximum value of SAR (measured) = 5.64 mW/g



Plot B43

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

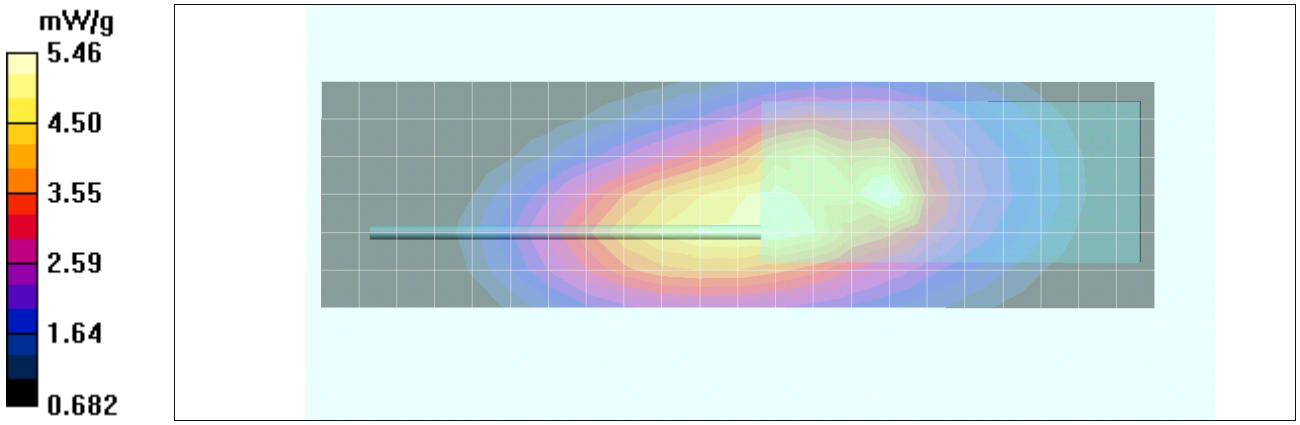
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-ion - 1223/12 - Leather Shoulder Strap/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.52 mW/g

470 - Li-ion - 1223/12 - Leather Shoulder Strap/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 69.7 V/m; Power Drift = -0.169 dB
Peak SAR (extrapolated) = 10.1 W/kg
SAR(1 g) = 4.96 mW/g; SAR(10 g) = 3.22 mW/g
Maximum value of SAR (measured) = 5.46 mW/g



Plot B44

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.9 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

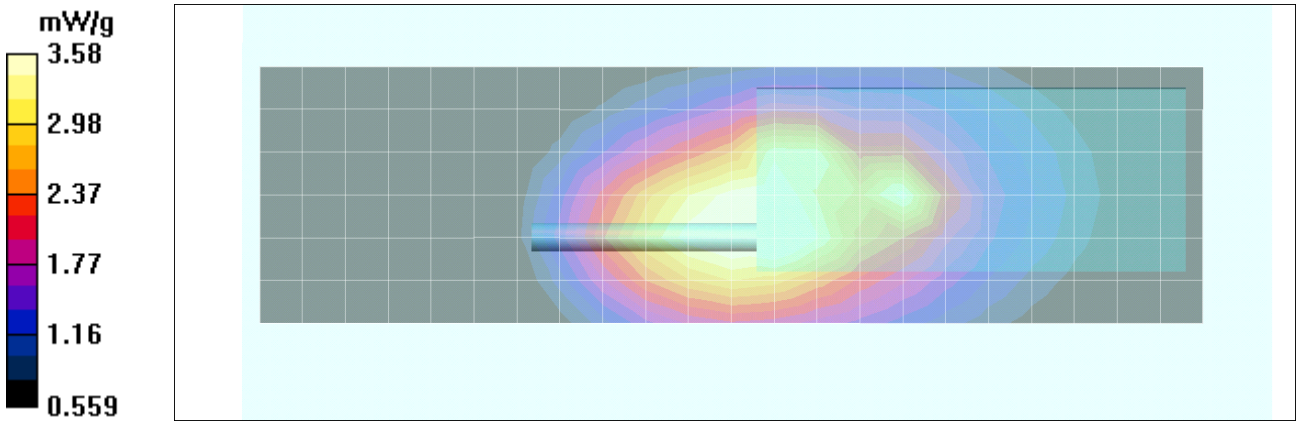
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 408 - Li-Poly - 1219/10 - Leather Shoulder Strap/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.93 mW/g

SCAN - 408 - Li-Poly - 1219/10 - Leather Shoulder Strap/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 60.8 V/m; Power Drift = -0.270 dB
Peak SAR (extrapolated) = 5.01 W/kg
SAR(1 g) = 3.42 mW/g; SAR(10 g) = 2.49 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.58 mW/g



Plot B45

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

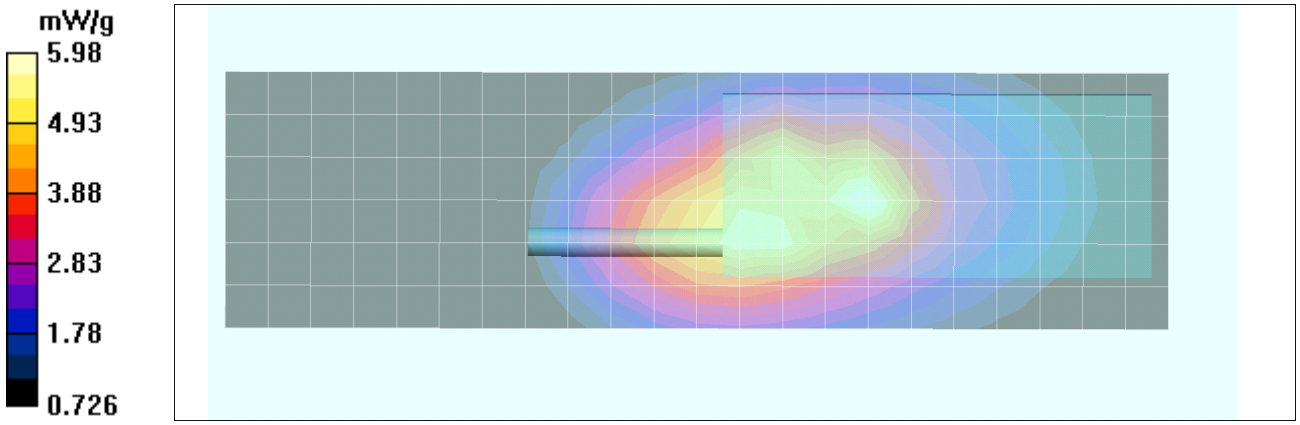
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

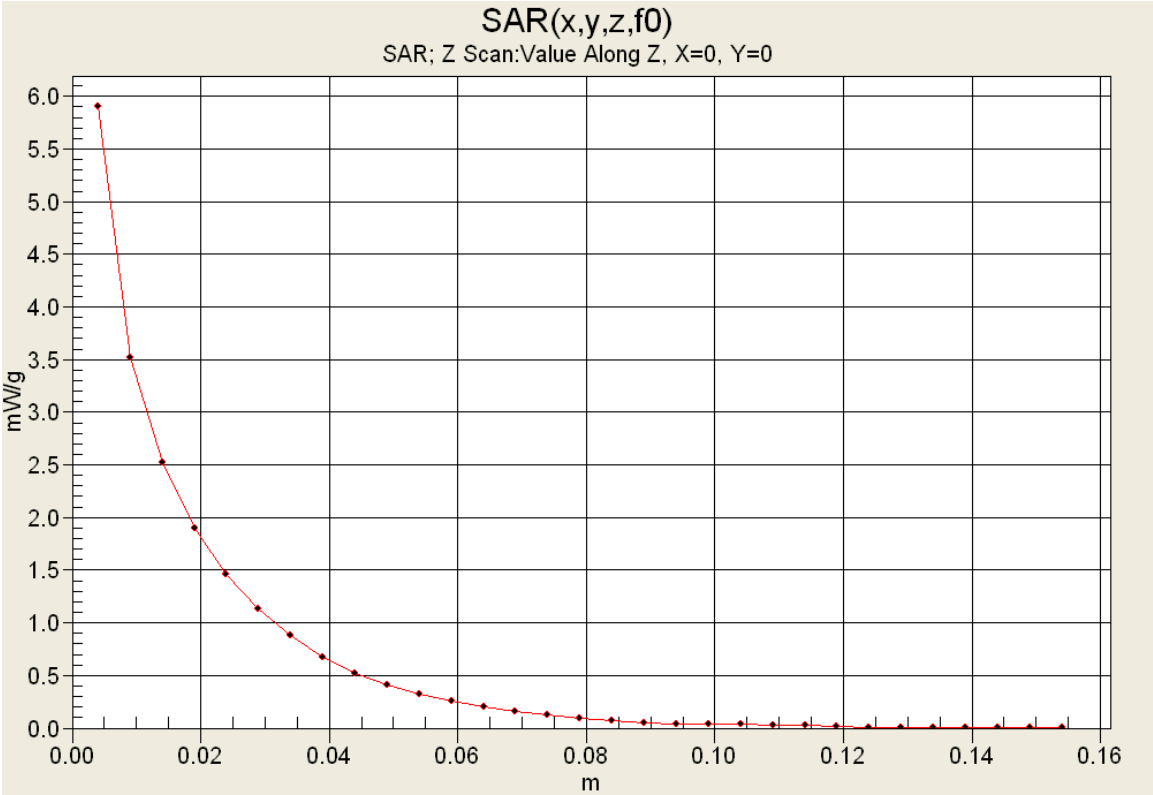
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 470 - Li-Poly - 1219/12 - Leather Shoulder Strap/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.20 mW/g

SCAN - 470 - Li-Poly - 1219/12 - Leather Shoulder Strap/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 70.1 V/m; Power Drift = -0.168 dB
Peak SAR (extrapolated) = 10.8 W/kg
SAR(1 g) = 5.35 mW/g; SAR(10 g) = 3.48 mW/g
Maximum value of SAR (measured) = 5.98 mW/g



Z-Axis Scan



Plot B46

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.9 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

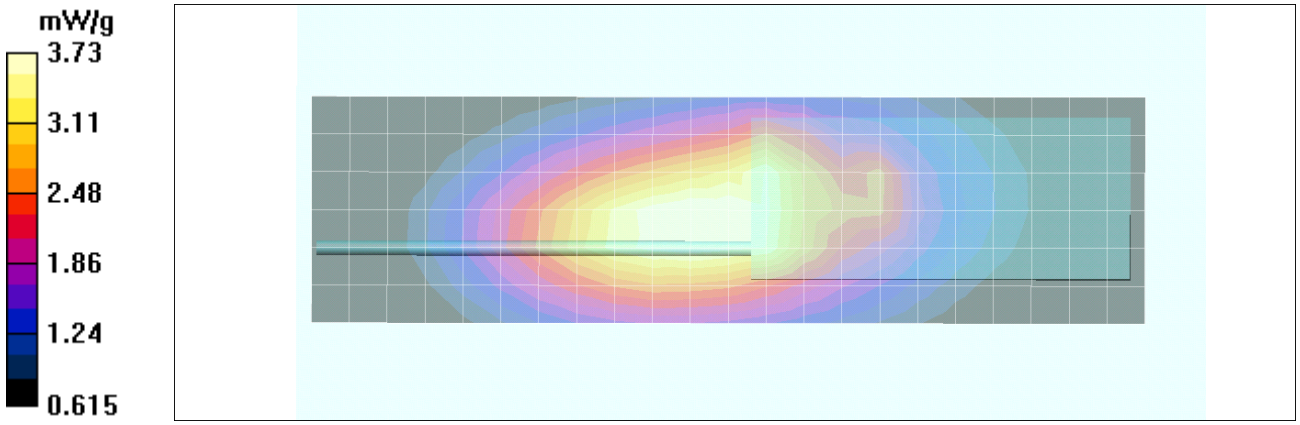
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 408 - Li-Poly - 1223/10 - Leather Shoulder Strap/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.78 mW/g

SCAN - 408 - Li-Poly - 1223/10 - Leather Shoulder Strap/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 62.5 V/m; Power Drift = 0.061 dB
Peak SAR (extrapolated) = 5.03 W/kg
SAR(1 g) = 3.54 mW/g; SAR(10 g) = 2.61 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.73 mW/g



Plot B47

Date Tested: 06/06/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

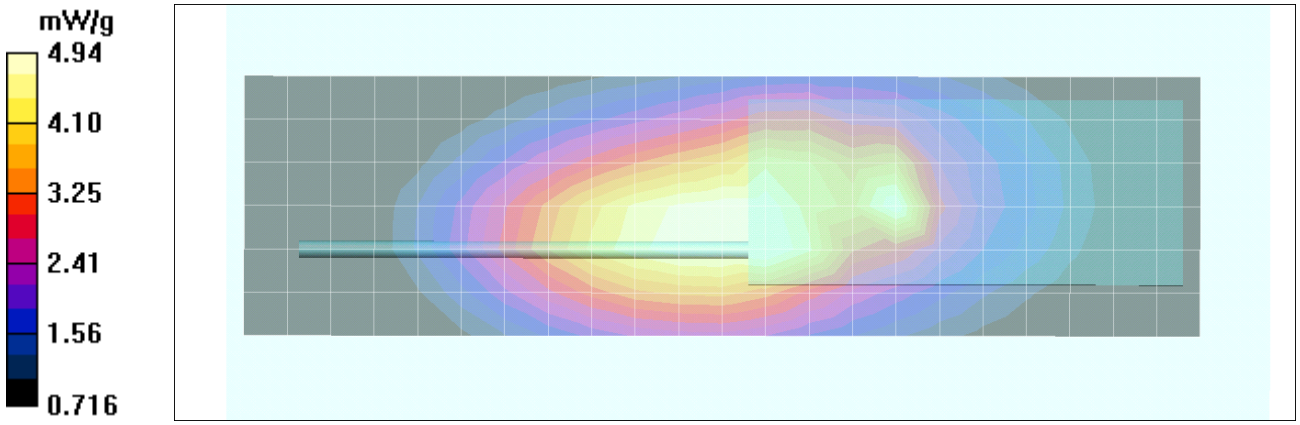
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 470 - NiMH NIS - 1223/12 - Leather Shoulder Strap/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.05 mW/g

SCAN - 470 - NiMH NIS - 1223/12 - Leather Shoulder Strap/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 70.1 V/m; Power Drift = -0.159 dB
Peak SAR (extrapolated) = 7.01 W/kg
SAR(1 g) = 4.68 mW/g; SAR(10 g) = 3.41 mW/g
Maximum value of SAR (measured) = 4.94 mW/g



Plot B48

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.9 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

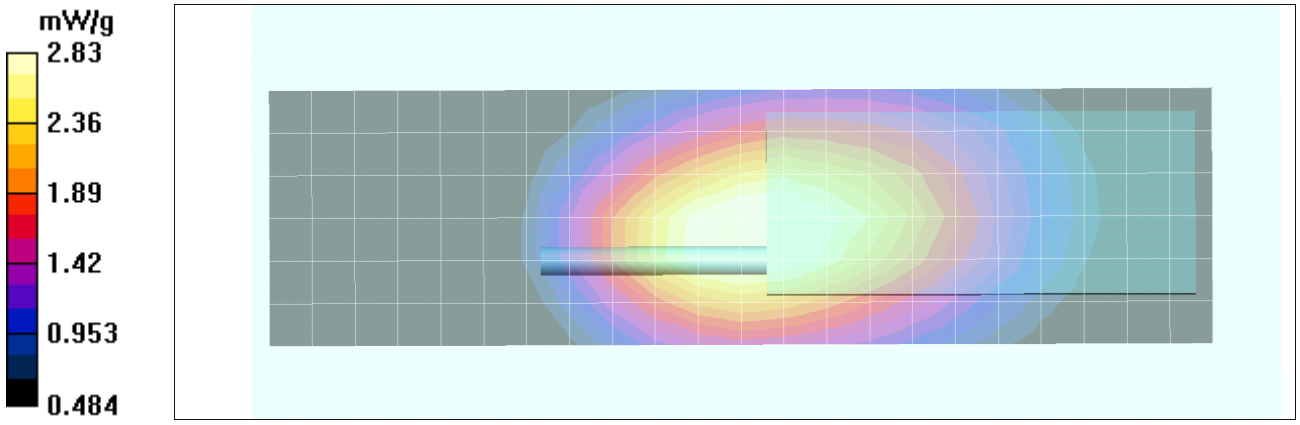
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

408 - Li-Poly - 1219/10 - Belt-loop Swivel/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.03 mW/g

408 - Li-Poly - 1219/10 - Belt-loop Swivel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 57.4 V/m; Power Drift = -0.423 dB
Peak SAR (extrapolated) = 3.83 W/kg
SAR(1 g) = 2.7 mW/g; SAR(10 g) = 1.99 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.83 mW/g



Plot B49

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

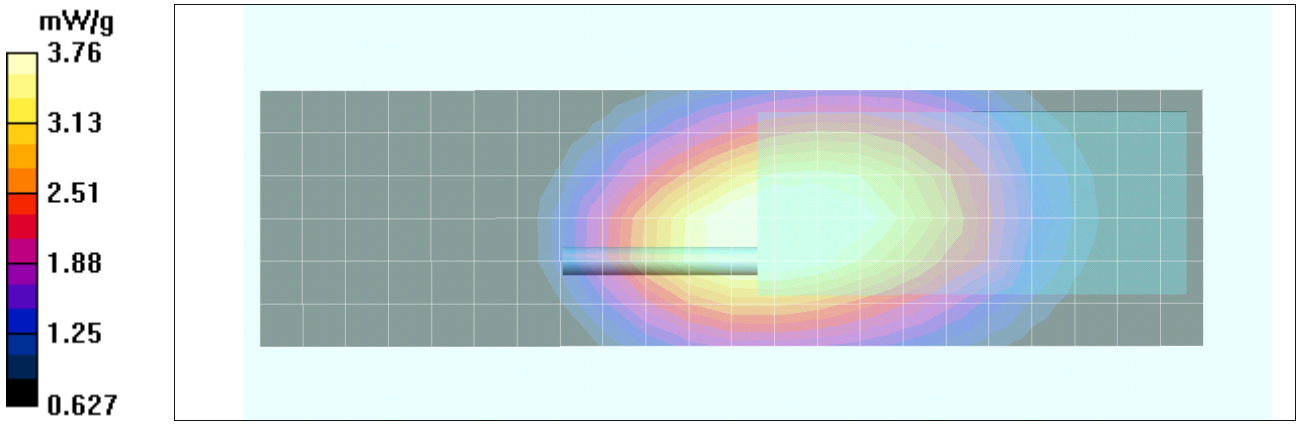
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-Poly - 1219/12 - Belt-loop Swivel/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.13 mW/g

470 - Li-Poly - 1219/12 - Belt-loop Swivel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.6 V/m; Power Drift = -0.272 dB
Peak SAR (extrapolated) = 5.09 W/kg
SAR(1 g) = 3.59 mW/g; SAR(10 g) = 2.65 mW/g
Maximum value of SAR (measured) = 3.76 mW/g



Plot B50

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.9 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

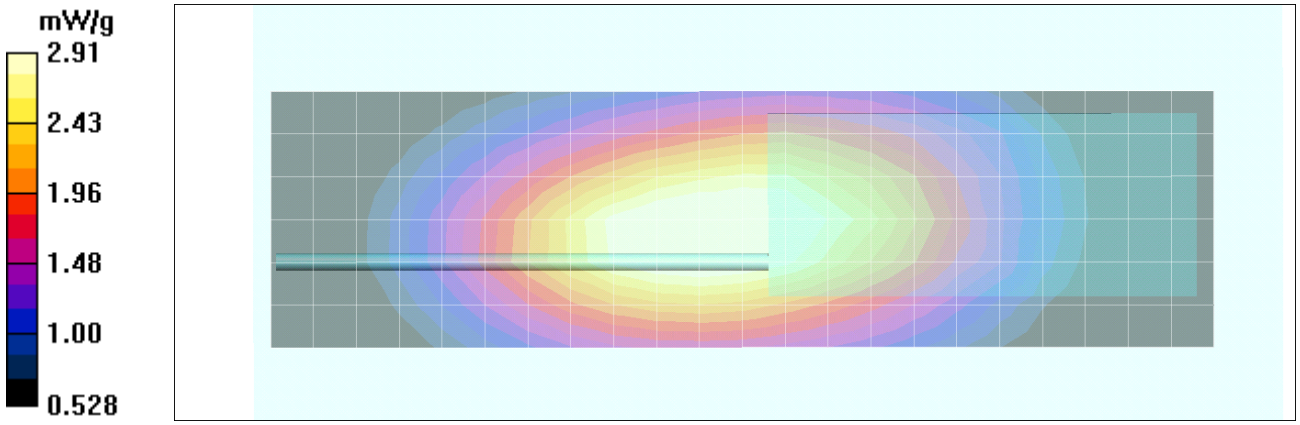
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

408 - Li-Poly - 1223/10 - Belt-loop Swivel/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.12 mW/g

408 - Li-Poly - 1223/10 - Belt-loop Swivel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 56.4 V/m; Power Drift = -0.187 dB
Peak SAR (extrapolated) = 3.92 W/kg
SAR(1 g) = 2.78 mW/g; SAR(10 g) = 2.07 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.91 mW/g



Plot B51

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

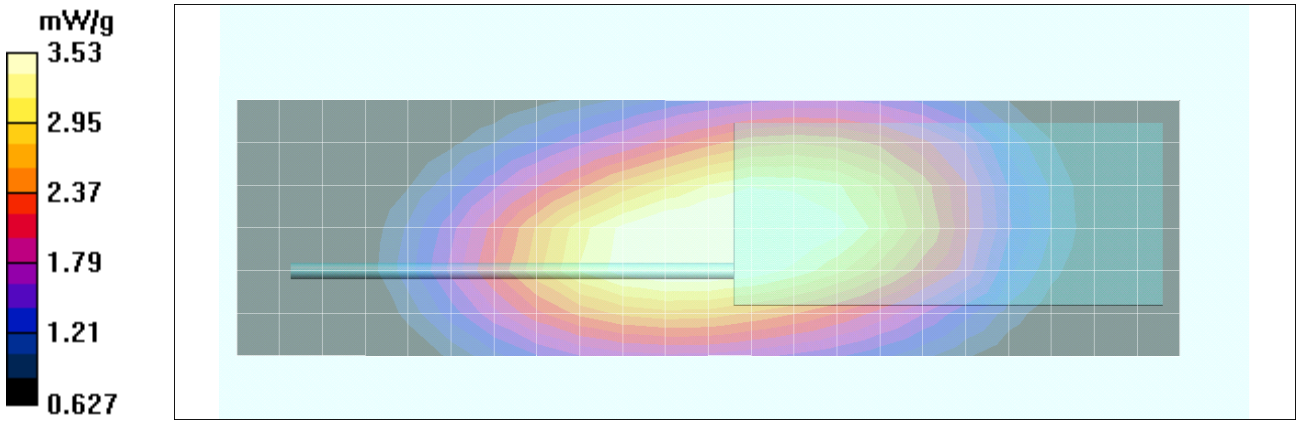
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-Poly - 1223/12 - Belt-loop Swivel/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.82 mW/g

470 - Li-Poly - 1223/12 - Belt-loop Swivel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 62.2 V/m; Power Drift = -0.207 dB
Peak SAR (extrapolated) = 4.78 W/kg
SAR(1 g) = 3.38 mW/g; SAR(10 g) = 2.49 mW/g
Maximum value of SAR (measured) = 3.53 mW/g



Plot B52

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

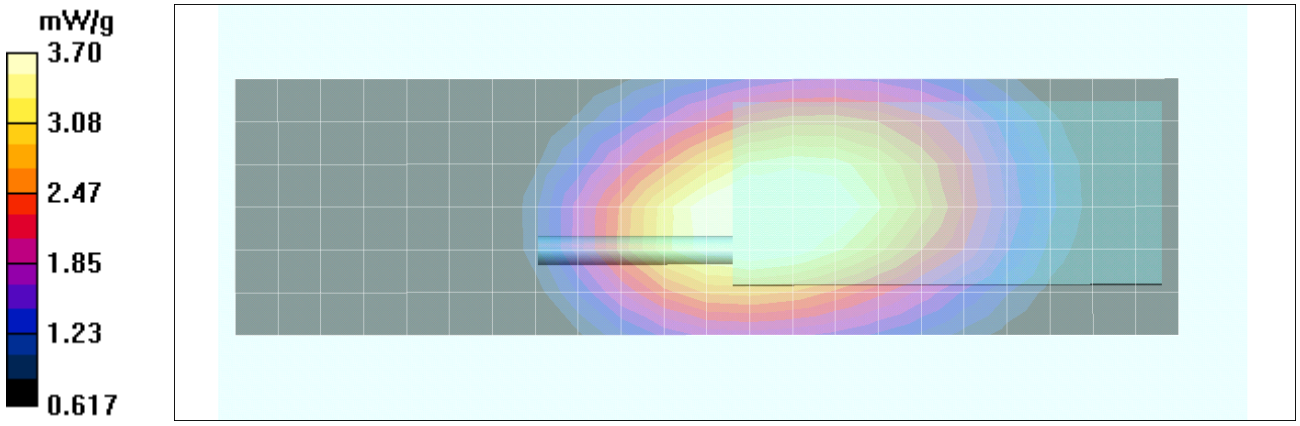
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - NiMH-NIS - 1219/12 - Belt-loop Swivel/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.02 mW/g

470 - NiMH-NIS - 1219/12 - Belt-loop Swivel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.2 V/m; Power Drift = -0.278 dB
Peak SAR (extrapolated) = 4.97 W/kg
SAR(1 g) = 3.55 mW/g; SAR(10 g) = 2.62 mW/g
Maximum value of SAR (measured) = 3.70 mW/g



Plot B53

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

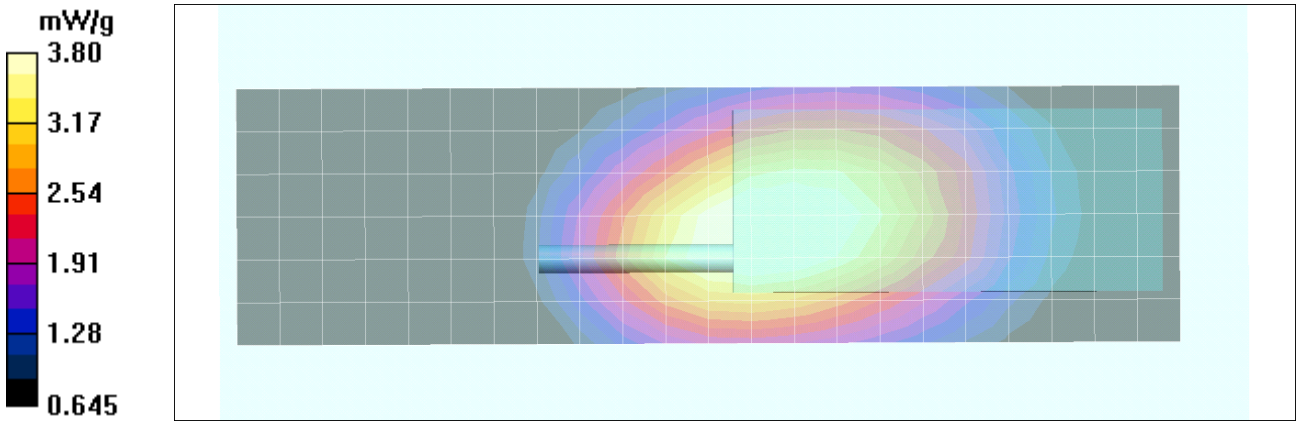
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - NiMH-IS - 1219/12 - Belt-loop Swivel/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.08 mW/g

470 - NiMH-IS - 1219/12 - Belt-loop Swivel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.5 V/m; Power Drift = -0.383 dB
Peak SAR (extrapolated) = 5.10 W/kg
SAR(1 g) = 3.64 mW/g; SAR(10 g) = 2.69 mW/g
Maximum value of SAR (measured) = 3.80 mW/g



Plot B54

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

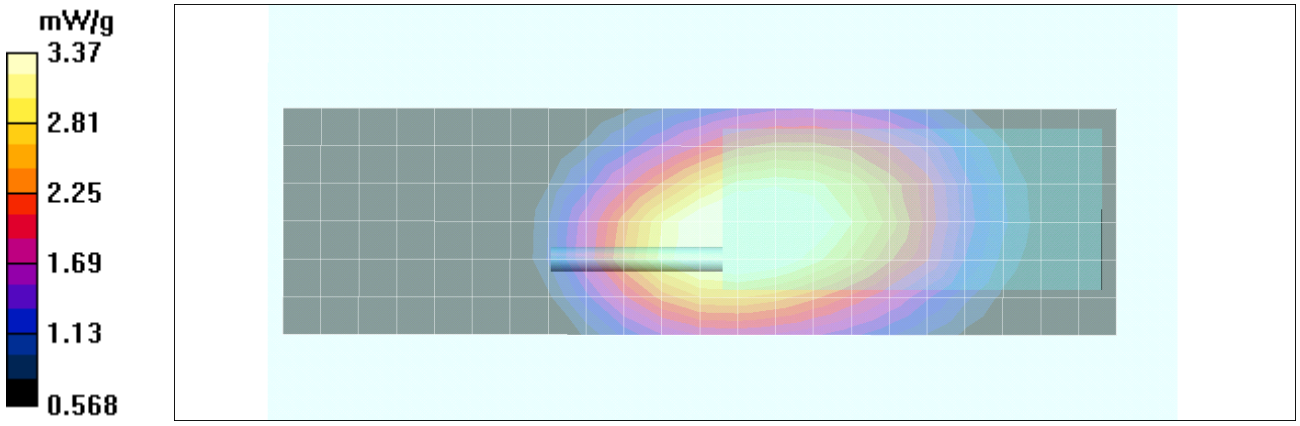
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

470 - Li-ion - 1219/12 - Belt-loop Swivel/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.73 mW/g

470 - Li-ion - 1219/12 - Belt-loop Swivel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 61.6 V/m; Power Drift = -0.520 dB
Peak SAR (extrapolated) = 4.53 W/kg
SAR(1 g) = 3.23 mW/g; SAR(10 g) = 2.4 mW/g
Maximum value of SAR (measured) = 3.37 mW/g



Plot B55

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.9 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

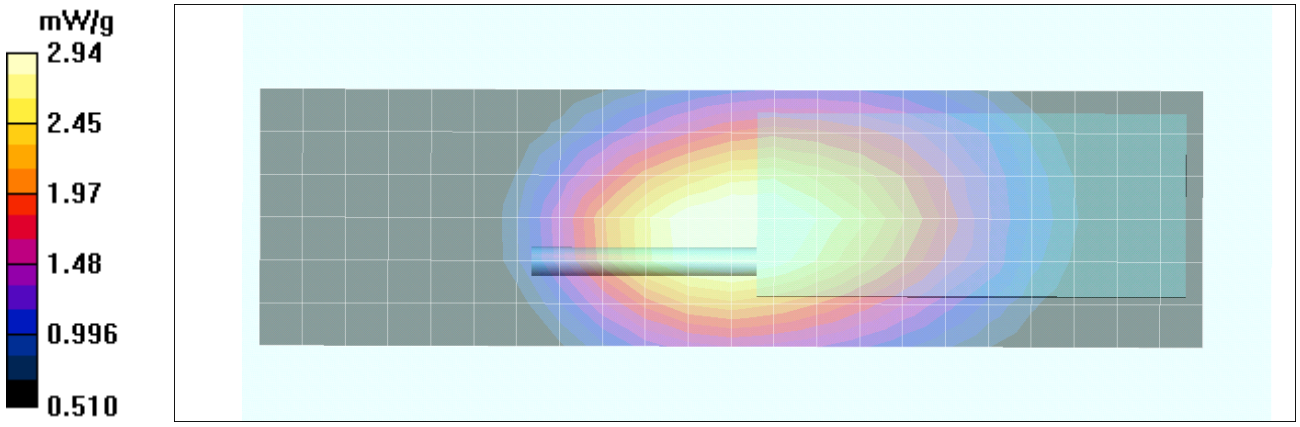
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 408 - Li-Poly - 1219/10 - Belt-loop Swivel/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.08 mW/g

SCAN - 408 - Li-Poly - 1219/10 - Belt-loop Swivel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 58.3 V/m; Power Drift = -0.273 dB
Peak SAR (extrapolated) = 3.96 W/kg
SAR(1 g) = 2.82 mW/g; SAR(10 g) = 2.09 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.94 mW/g



Plot B56

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

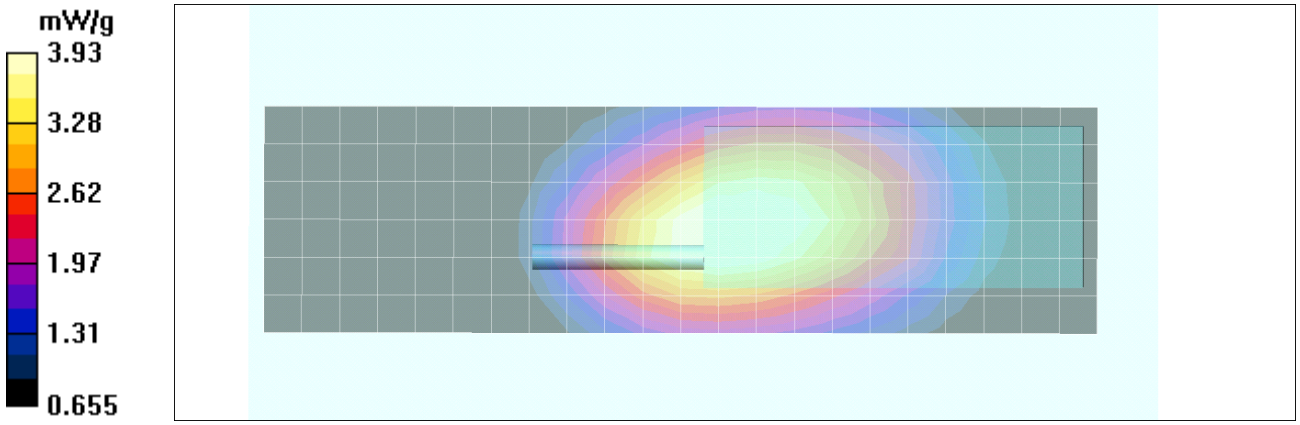
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 470 - NiMH-IS - 1219/12 - Belt-loop Swivel/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.19 mW/g

SCAN - 470 - NiMH-IS - 1219/12 - Belt-loop Swivel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.0 V/m; Power Drift = -0.069 dB
Peak SAR (extrapolated) = 5.31 W/kg
SAR(1 g) = 3.74 mW/g; SAR(10 g) = 2.77 mW/g
Maximum value of SAR (measured) = 3.93 mW/g



Plot B57

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 408 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 408 MHz; σ = 0.9 mho/m; ε_r = 57.6; ρ = 1000 kg/m^3

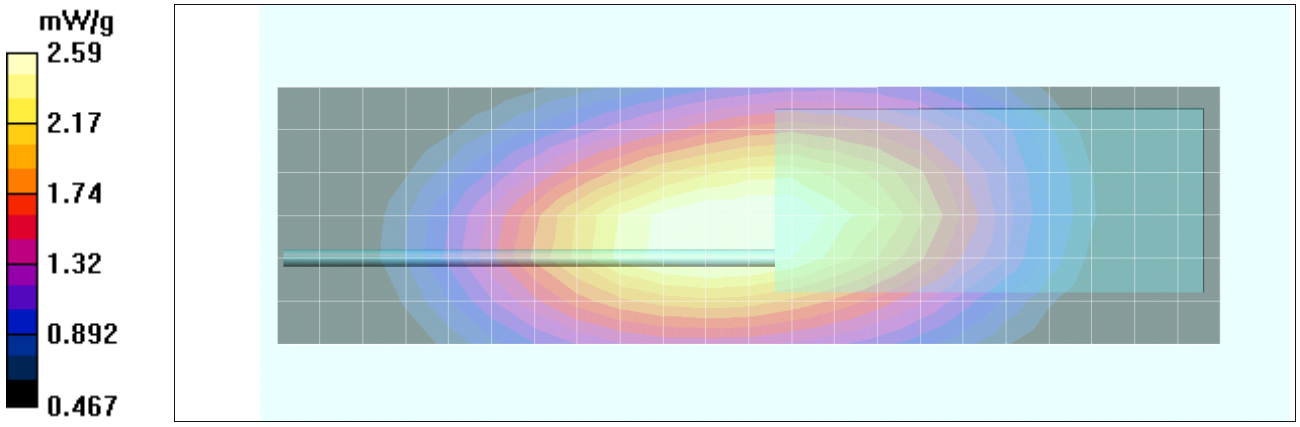
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 408 - Li-Poly - 1223/10 - Belt-loop Swivel/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.63 mW/g

SCAN - 408 - Li-Poly - 1223/10 - Belt-loop Swivel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 52.4 V/m; Power Drift = 0.084 dB
Peak SAR (extrapolated) = 3.48 W/kg
SAR(1 g) = 2.48 mW/g; SAR(10 g) = 1.84 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.59 mW/g



Plot B58

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50

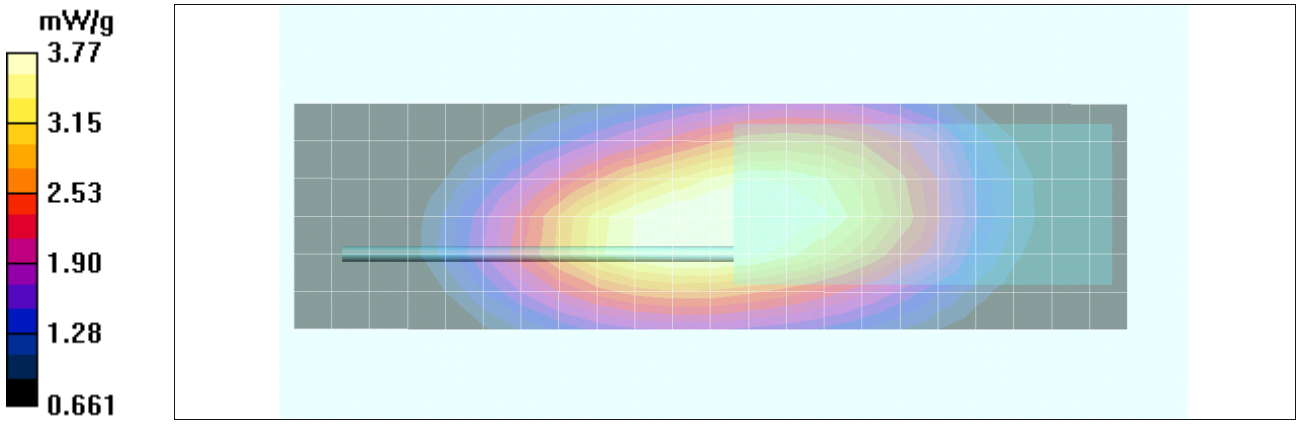
Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 470 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used: f = 470 MHz; σ = 0.94 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

SCAN - 470 - Li-Poly - 1223/12 - Belt-loop Swivel/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.03 mW/g

SCAN - 470 - Li-Poly - 1223/12 - Belt-loop Swivel/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 63.4 V/m; Power Drift = -0.058 dB
Peak SAR (extrapolated) = 5.09 W/kg
SAR(1 g) = 3.6 mW/g; SAR(10 g) = 2.66 mW/g
Maximum value of SAR (measured) = 3.77 mW/g



Plot A1

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.909 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

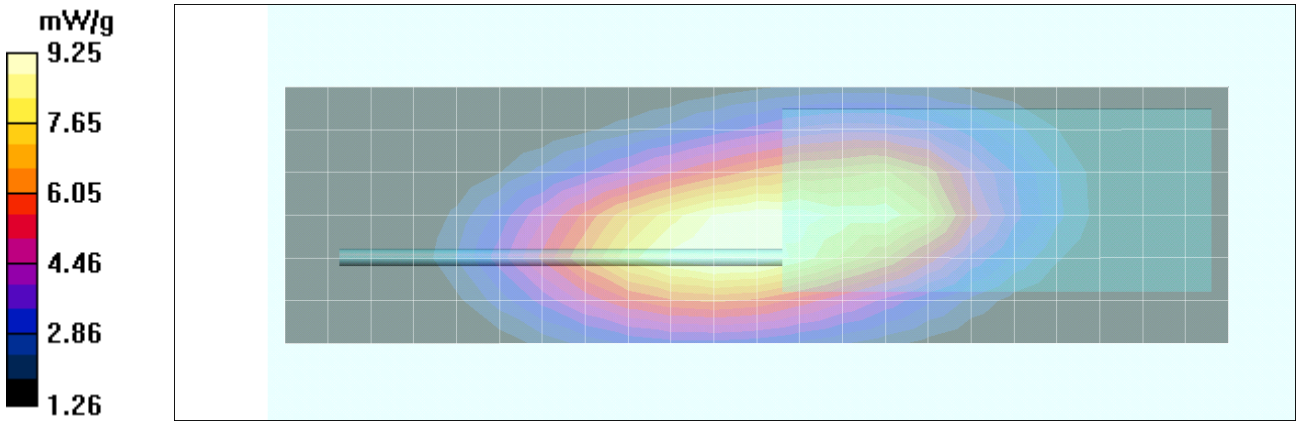
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - NiMH-NIS - 1223/12 - Belt-clip - Earphone Kit/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.42 mW/g

443 - NiMH-NIS - 1223/12 - Belt-clip - Earphone Kit/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 95.6 V/m; Power Drift = -0.156 dB
Peak SAR (extrapolated) = 13.2 W/kg
SAR(1 g) = 8.8 mW/g; SAR(10 g) = 6.24 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.25 mW/g



Plot A2

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.909 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

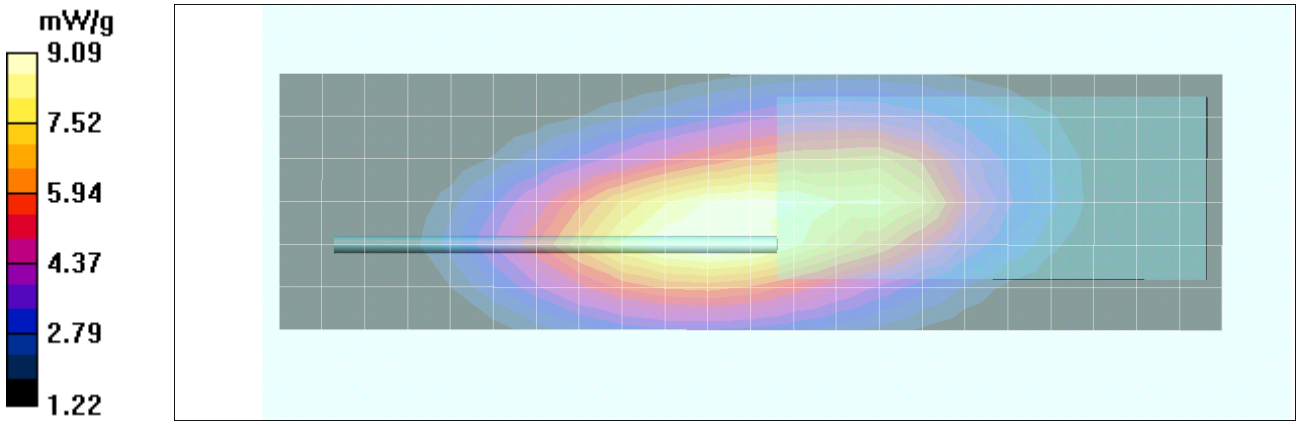
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - NiMH-NIS - 1223/12 - Belt-clip - 2-Wire Kit/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.39 mW/g

443 - NiMH-NIS - 1223/12 - Belt-clip - 2-Wire Kit/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 93.5 V/m; Power Drift = -0.228 dB
Peak SAR (extrapolated) = 12.7 W/kg
SAR(1 g) = 8.62 mW/g; SAR(10 g) = 6.1 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.09 mW/g



Plot A3

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.909 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

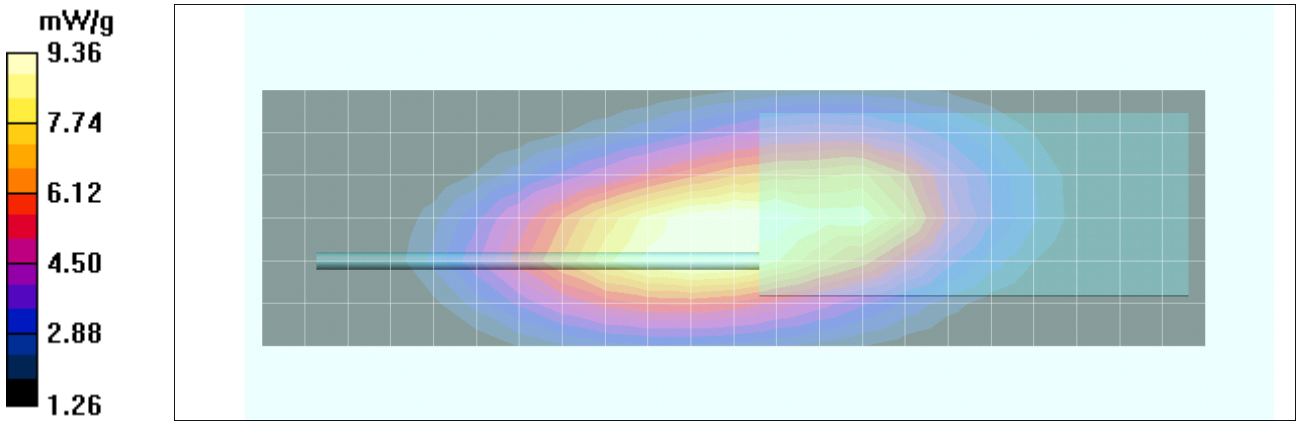
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - NiMH-NIS - 1223/12 - Belt-clip - 3-Wire Kit/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.47 mW/g

443 - NiMH-NIS - 1223/12 - Belt-clip - 3-Wire Kit/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 97.4 V/m; Power Drift = -0.208 dB
Peak SAR (extrapolated) = 13.3 W/kg
SAR(1 g) = 8.94 mW/g; SAR(10 g) = 6.32 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.36 mW/g



Plot A4

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.909 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

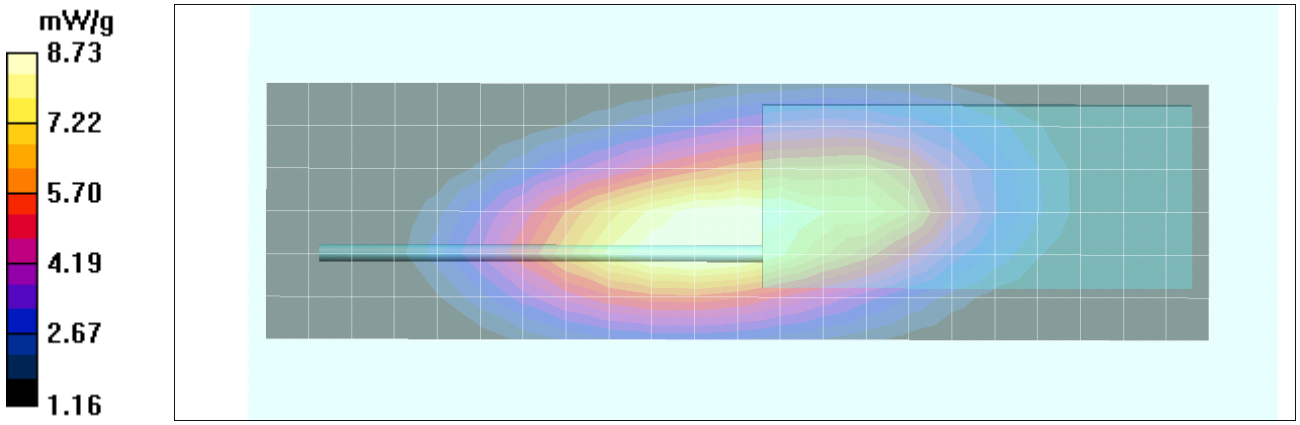
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - NiMH-NIS - 1223/12 - Belt-clip - Heavy-Duty BH/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.99 mW/g

443 - NiMH-NIS - 1223/12 - Belt-clip - Heavy-Duty BH/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 92.7 V/m; Power Drift = -0.178 dB
Peak SAR (extrapolated) = 12.4 W/kg
SAR(1 g) = 8.32 mW/g; SAR(10 g) = 5.91 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.73 mW/g



Plot A5

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.909 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

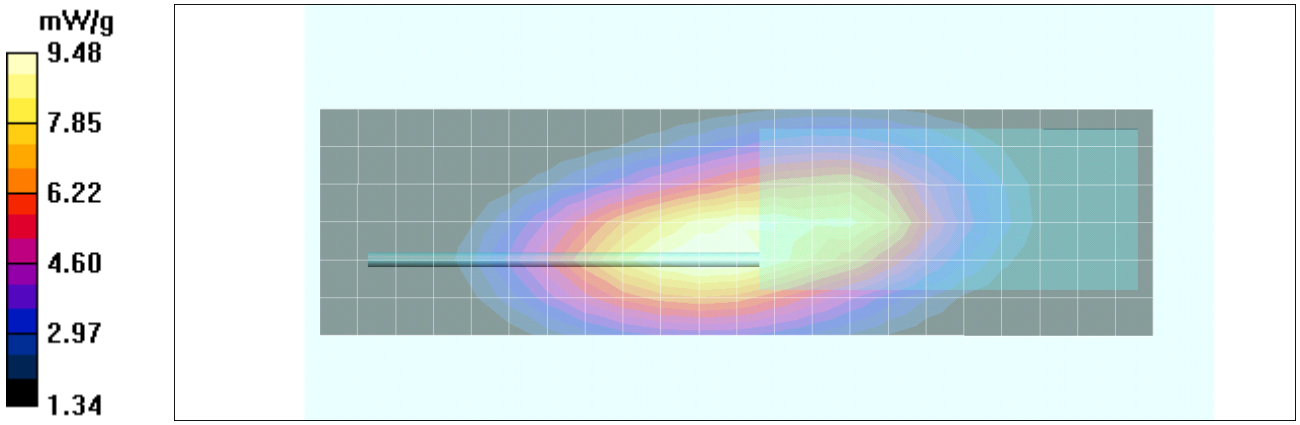
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - NiMH-NIS - 1223/12 - Belt-clip - Ranger Headset/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.69 mW/g

443 - NiMH-NIS - 1223/12 - Belt-clip - Ranger Headset/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.8 V/m; Power Drift = -0.130 dB
Peak SAR (extrapolated) = 13.4 W/kg
SAR(1 g) = 9.01 mW/g; SAR(10 g) = 6.39 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.48 mW/g



Plot A6

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.909 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

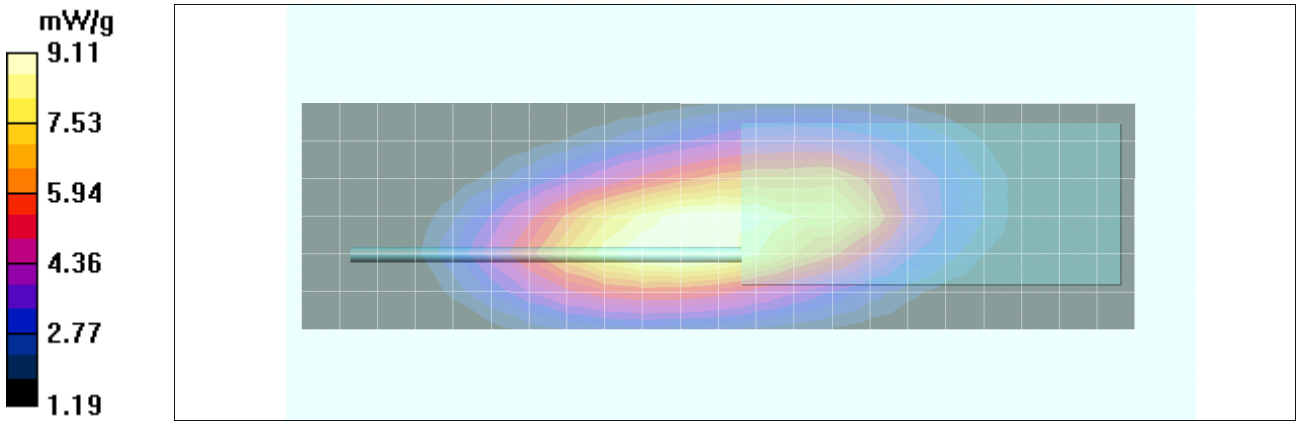
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - NiMH-NIS - 1223/12 - Belt-clip - Skull mic/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.42 mW/g

443 - NiMH-NIS - 1223/12 - Belt-clip - Skull mic/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.7 V/m; Power Drift = -0.149 dB
Peak SAR (extrapolated) = 12.9 W/kg
SAR(1 g) = 8.68 mW/g; SAR(10 g) = 6.18 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.11 mW/g



Plot A7

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.909 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

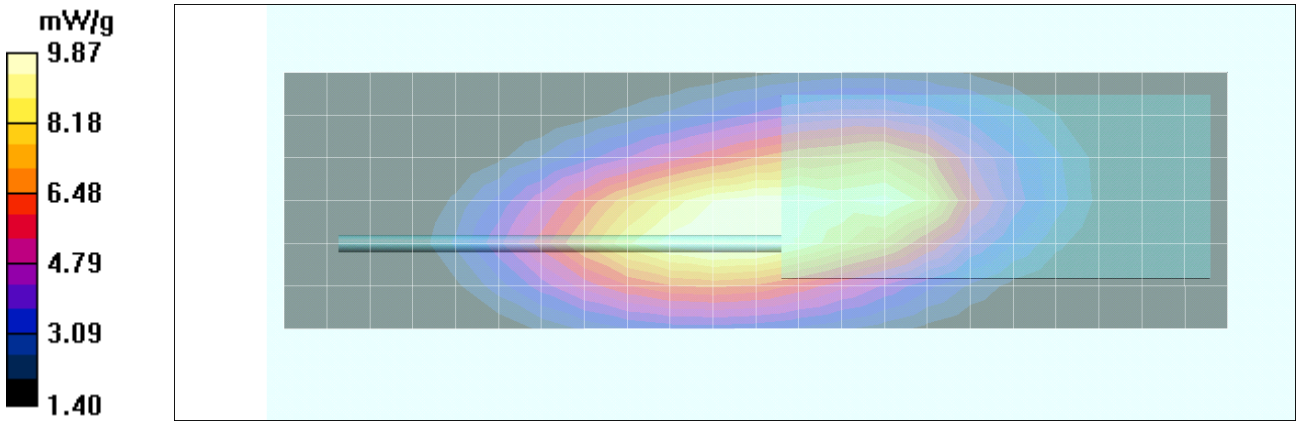
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - NiMH-NIS - 1223/12 - Belt-clip - Throat mic/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

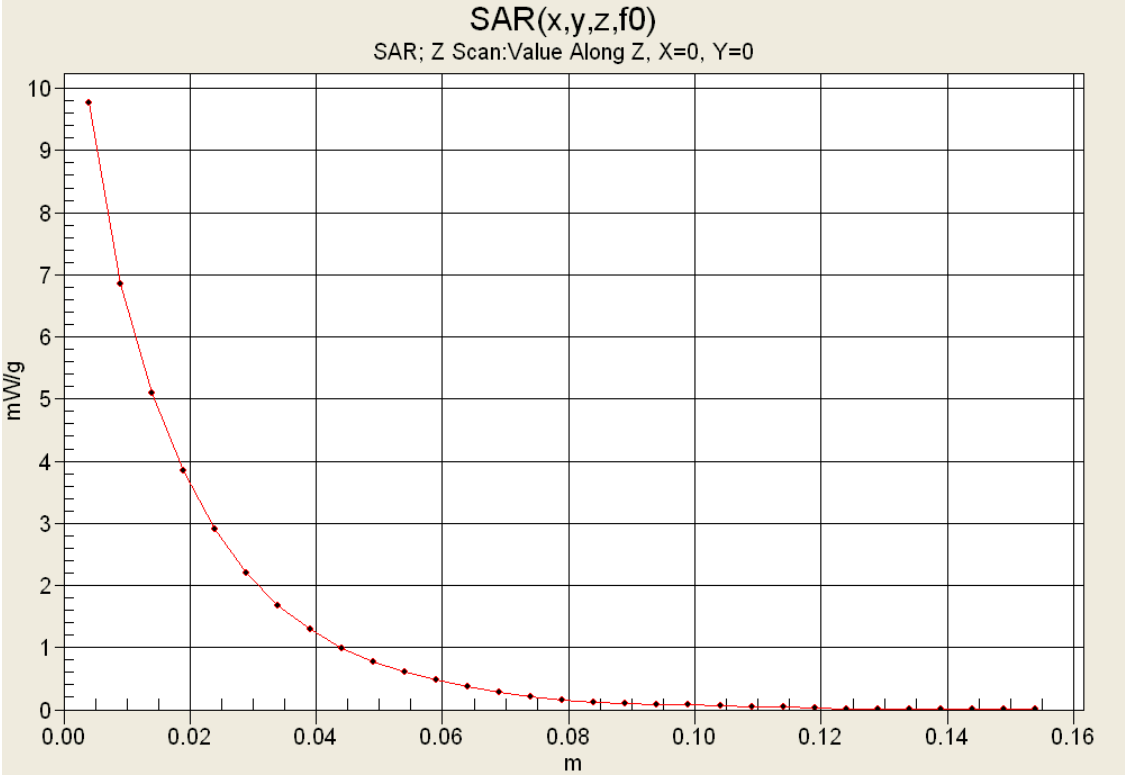
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 10.1 mW/g

443 - NiMH-NIS - 1223/12 - Belt-clip - Throat mic/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 97.9 V/m; Power Drift = -0.187 dB
Peak SAR (extrapolated) = 13.8 W/kg
SAR(1 g) = 9.36 mW/g; SAR(10 g) = 6.65 mW/g

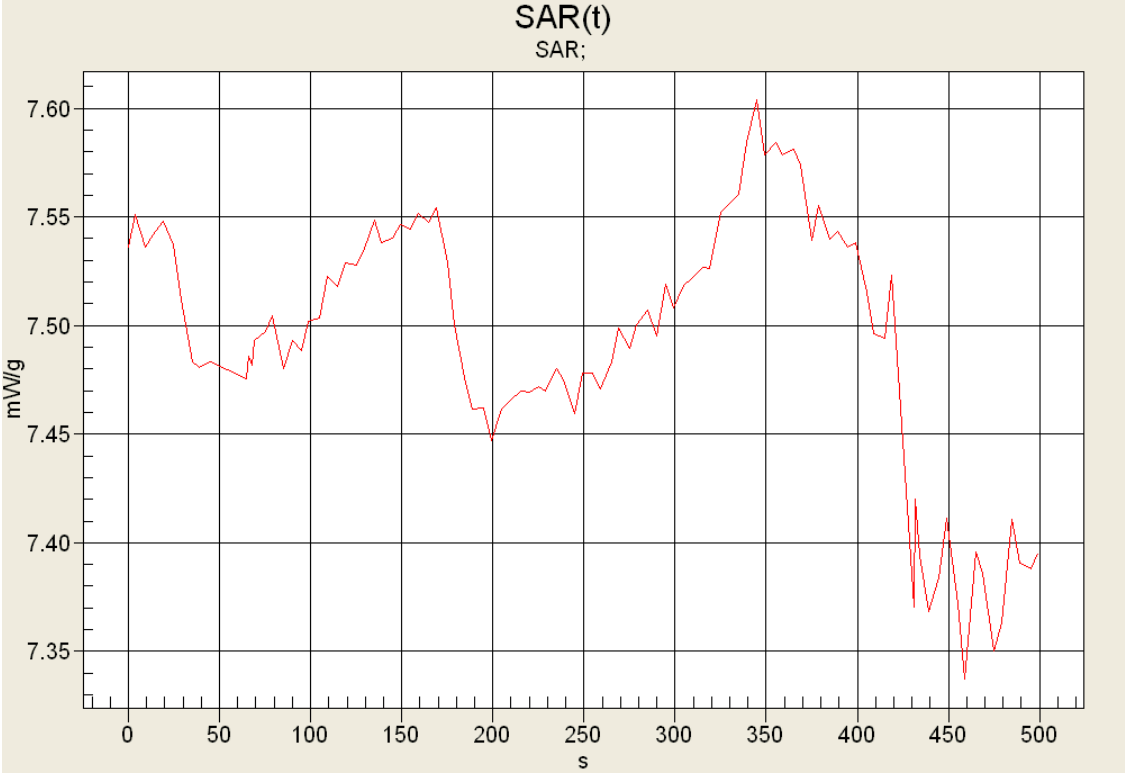
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 9.87 mW/g



Z-Axis Scan



SAR-Versus-Time



Plot A8

Date Tested: 06/07/2013

DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.9C; Barometric Pressure: 101.3 kPa; Humidity: 31%

Communication System: UHF-L
Frequency: 443 MHz; Duty Cycle: 1:1
Medium: M450 Medium parameters used (interpolated): f = 443 MHz; σ = 0.909 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

443 - NiMH-NIS - 1223/12 - Belt-clip - Throat mic/Area Scan (7x23x1): Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.94 mW/g

443 - NiMH-NIS - 1223/12 - Belt-clip - Throat mic/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 94.2 V/m; Power Drift = -0.673 dB
Peak SAR (extrapolated) = 12.2 W/kg
SAR(1 g) = 8.12 mW/g; SAR(10 g) = 5.68 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 8.52 mW/g