Body SAR Plot B30

Date Tested: 08/30/2011

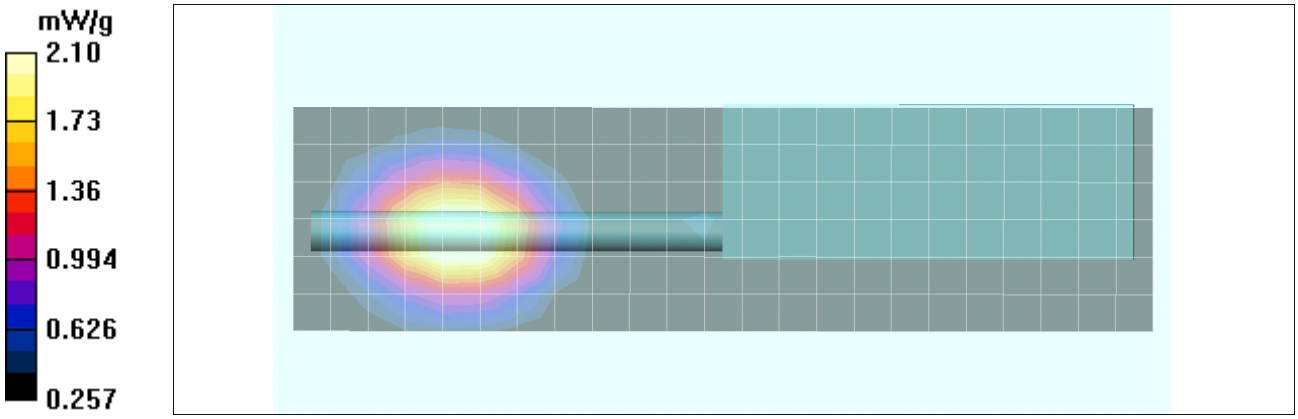
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 23.0C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW
Frequency: 793 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 793 MHz; σ = 0.948 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.20 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.4 V/m; Power Drift = -0.623 dB
Peak SAR (extrapolated) = 2.50 W/kg
SAR(1 g) = 1.99 mW/g; SAR(10 g) = 1.43 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.10 mW/g



Body SAR Plot B31

Date Tested: 08/26/2011

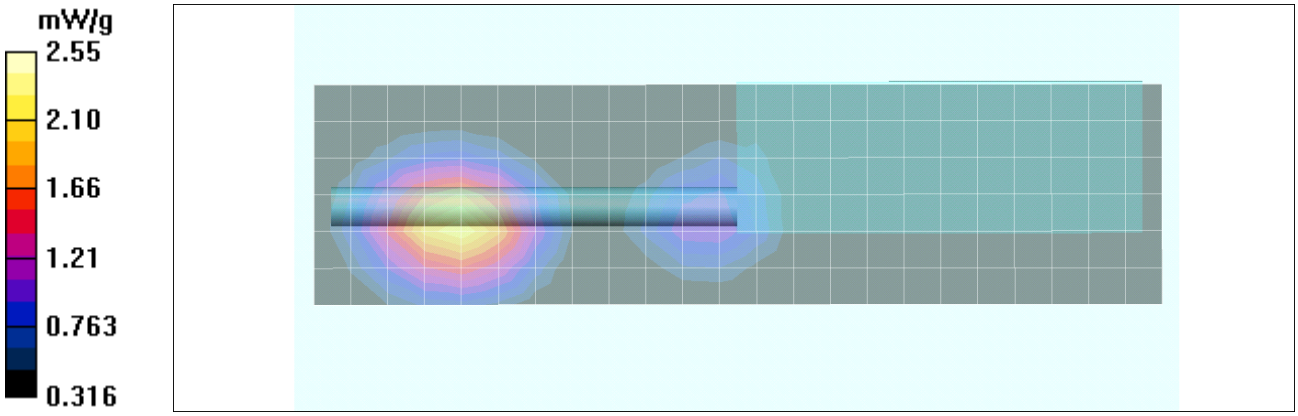
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.25 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.2 V/m; Power Drift = -0.466 dB
Peak SAR (extrapolated) = 3.09 W/kg
SAR(1 g) = 2.4 mW/g; SAR(10 g) = 1.7 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.55 mW/g



Body SAR Plot B32

Date Tested: 08/26/2011

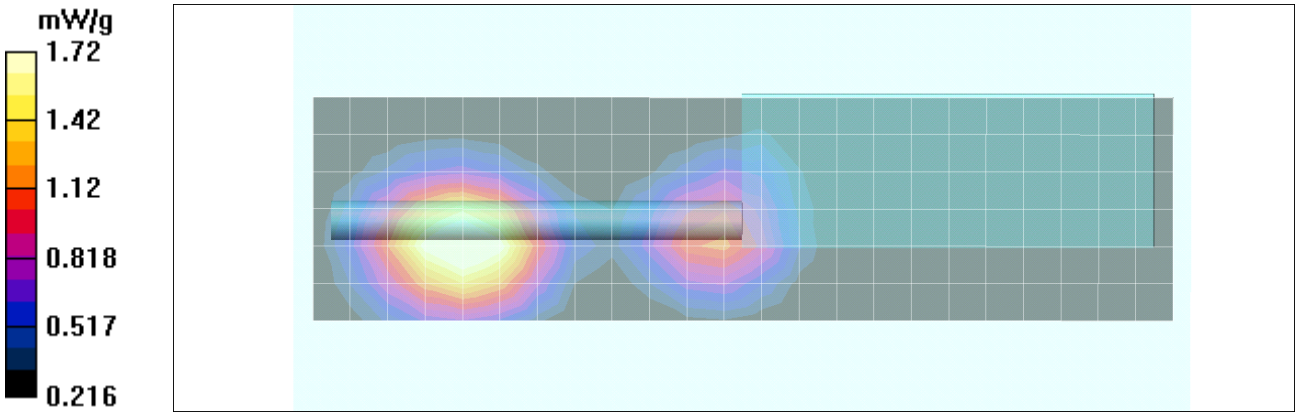
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.96 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 26.7 V/m; Power Drift = -0.310 dB
Peak SAR (extrapolated) = 2.04 W/kg
SAR(1 g) = 1.61 mW/g; SAR(10 g) = 1.16 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.72 mW/g



Body SAR Plot B33

Date Tested: 08/26/2011

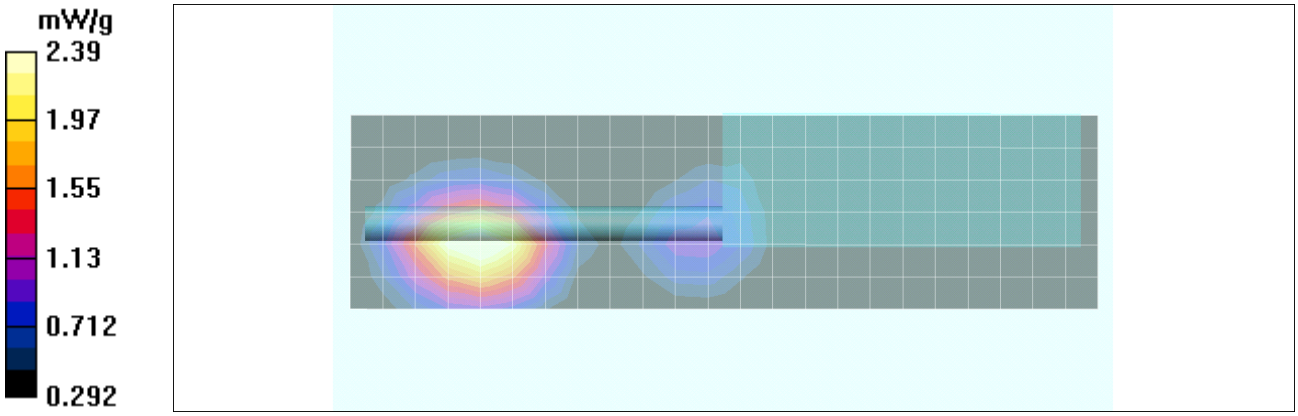
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.63 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.3 V/m; Power Drift = -1.49 dB
Peak SAR (extrapolated) = 2.85 W/kg
SAR(1 g) = 2.23 mW/g; SAR(10 g) = 1.59 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.39 mW/g



Body SAR Plot B34

Date Tested: 08/26/2011

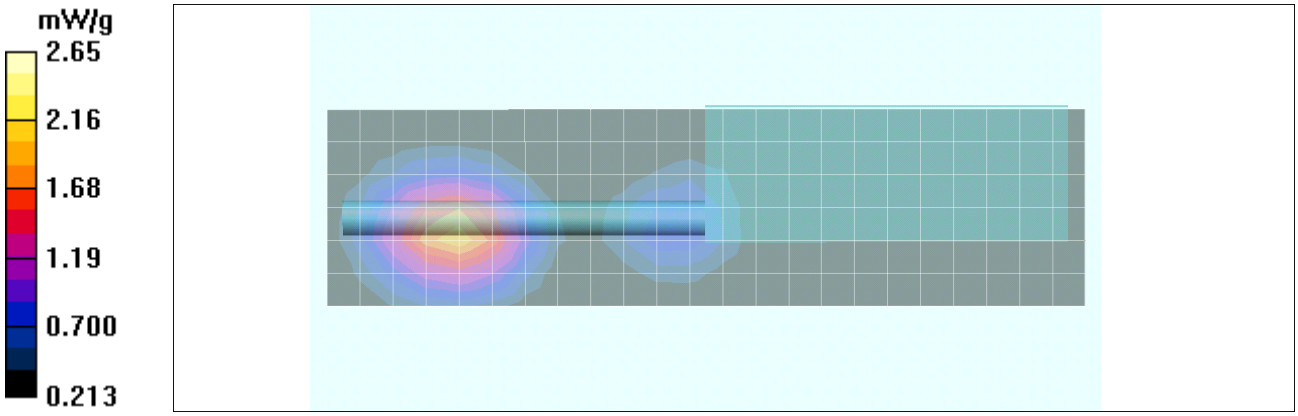
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.98 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 28.1 V/m; Power Drift = -0.299 dB
Peak SAR (extrapolated) = 3.21 W/kg
SAR(1 g) = 2.48 mW/g; SAR(10 g) = 1.7 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.65 mW/g



Body SAR Plot B35

Date Tested: 09/01/2011

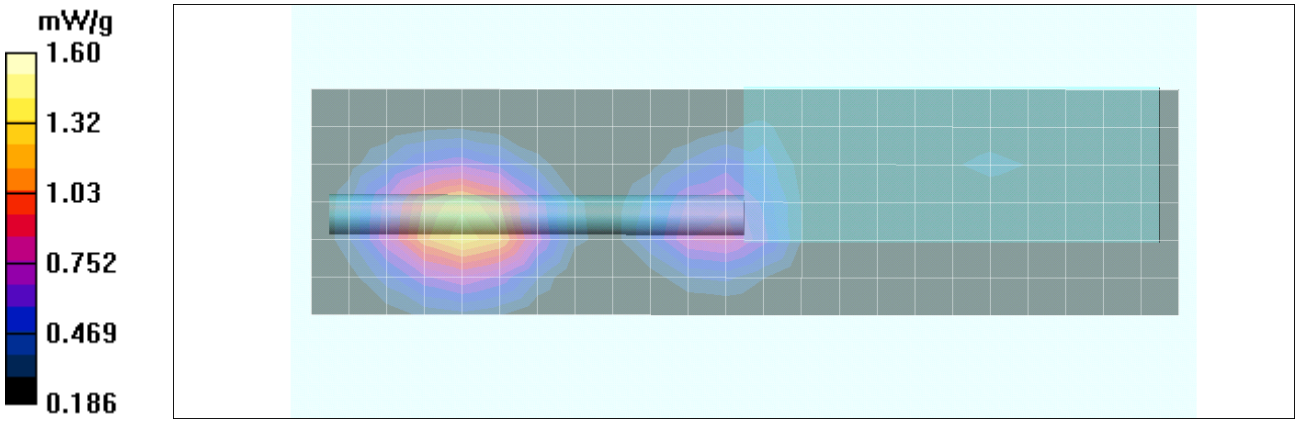
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: 800
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.949 mho/m; ε_r = 56.9; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.28 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 27.6 V/m; Power Drift = -1.11 dB
Peak SAR (extrapolated) = 1.90 W/kg
SAR(1 g) = 1.5 mW/g; SAR(10 g) = 1.09 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.60 mW/g



Body SAR Plot B36

Date Tested: 08/25/2011

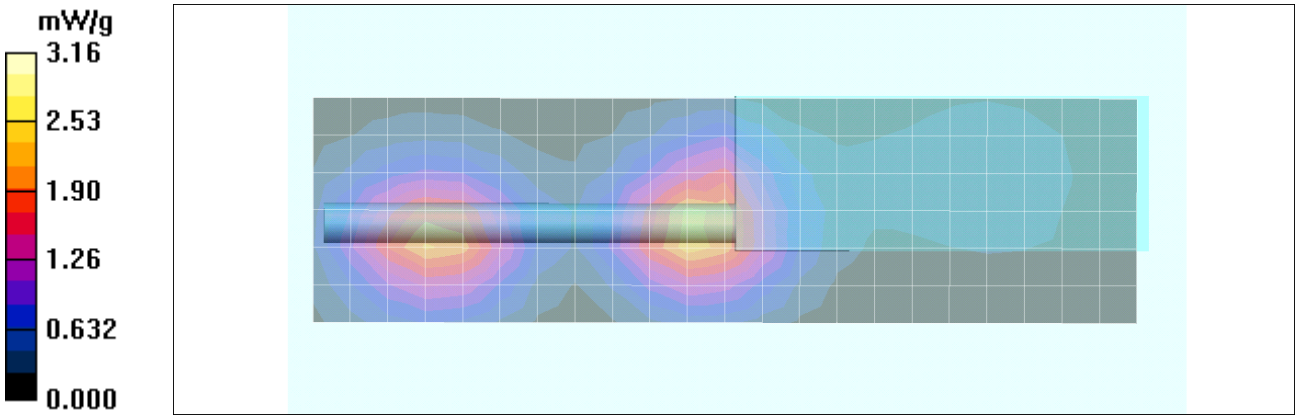
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.99 mho/m; ε_r = 54; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.24 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 49.4 V/m; Power Drift = -1.08 dB
Peak SAR (extrapolated) = 3.97 W/kg
SAR(1 g) = 2.95 mW/g; SAR(10 g) = 2.02 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.16 mW/g



Body SAR Plot B37

Date Tested: 08/25/2011

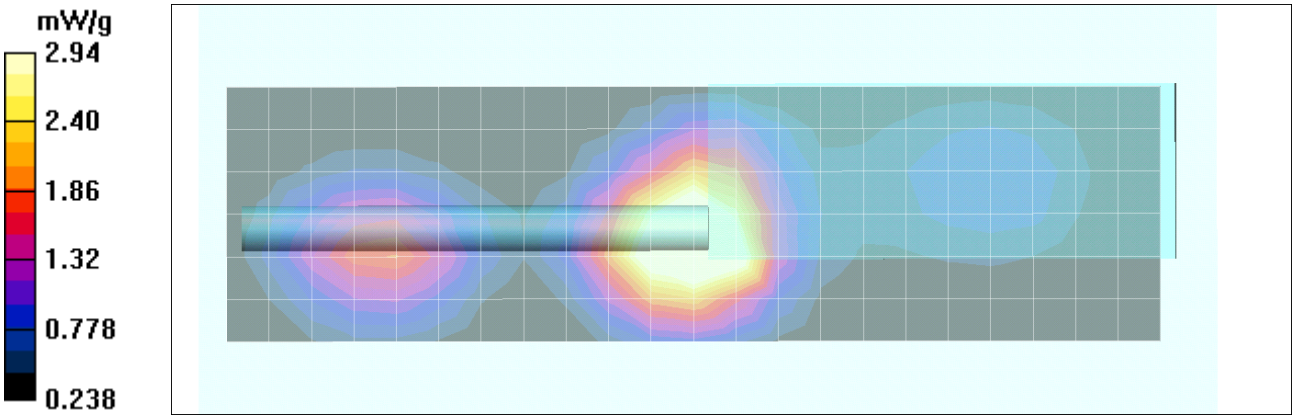
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.99 mho/m; ε_r = 54; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.85 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 43.8 V/m; Power Drift = -1.20 dB
Peak SAR (extrapolated) = 3.66 W/kg
SAR(1 g) = 2.77 mW/g; SAR(10 g) = 1.89 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.94 mW/g



Body SAR Plot B38

Date Tested: 08/25/2011

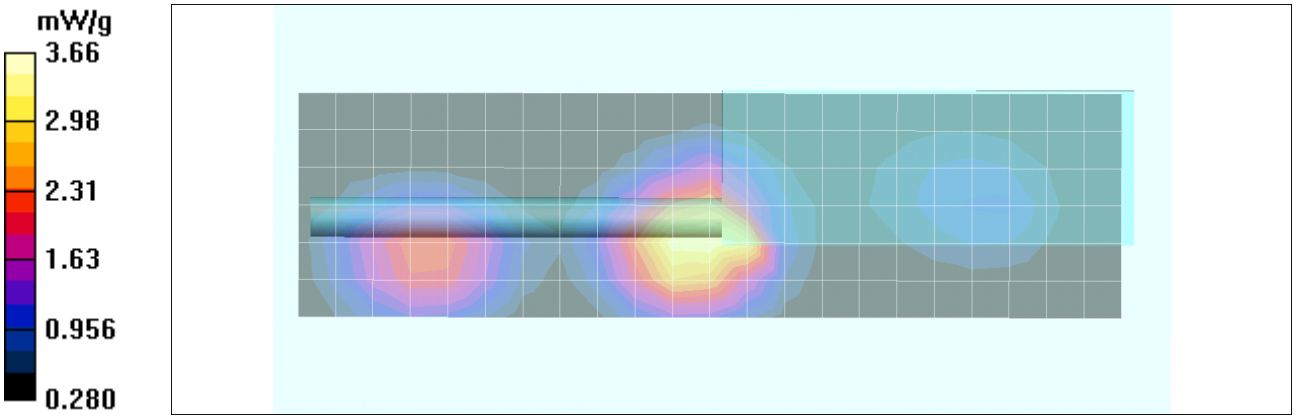
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.99 mho/m; ε_r = 54; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.43 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 50.2 V/m; Power Drift = -1.00 dB
Peak SAR (extrapolated) = 4.51 W/kg
SAR(1 g) = 3.37 mW/g; SAR(10 g) = 2.29 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.66 mW/g



Body SAR Plot B39

Date Tested: 08/25/2011

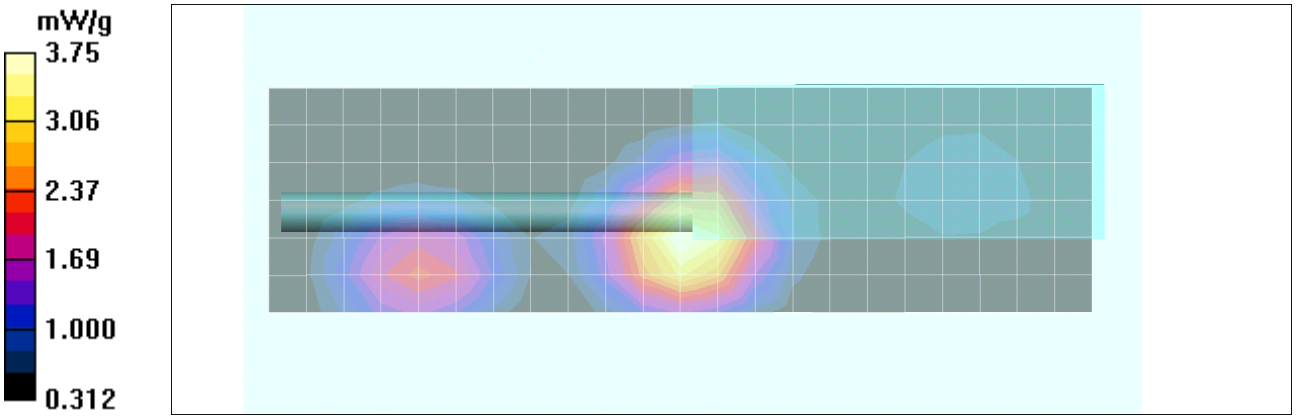
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.99 mho/m; ε_r = 54; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.82 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 52.6 V/m; Power Drift = -1.09 dB
Peak SAR (extrapolated) = 4.71 W/kg
SAR(1 g) = 3.51 mW/g; SAR(10 g) = 2.4 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.75 mW/g



Body SAR Plot B40

Date Tested: 08/25/2011

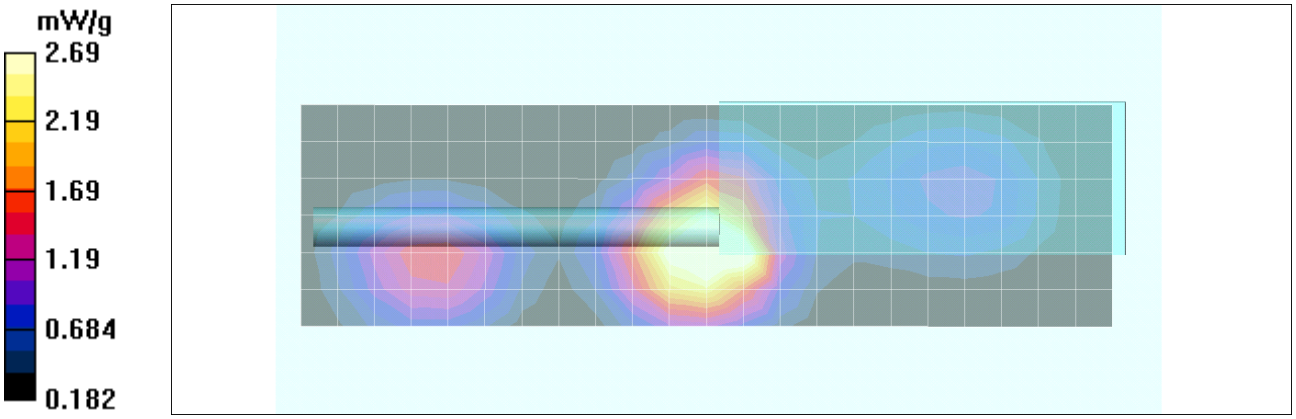
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.99 mho/m; ε_r = 54; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 3.25 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 48.8 V/m; Power Drift = -1.70 dB
Peak SAR (extrapolated) = 3.55 W/kg
SAR(1 g) = 2.5 mW/g; SAR(10 g) = 1.65 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.69 mW/g



Body SAR Plot B41

Date Tested: 09/01/2011

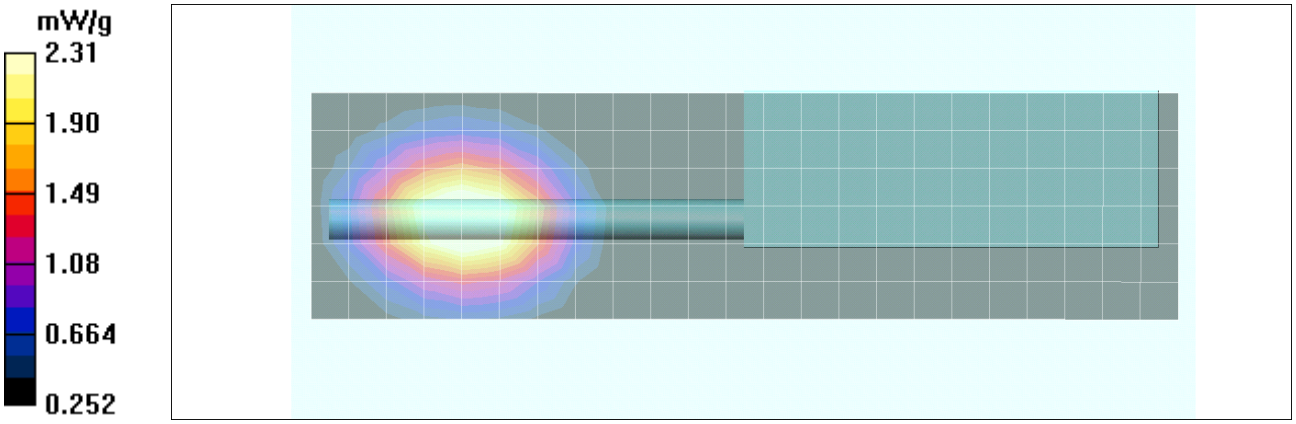
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW
Frequency: 775 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 775 MHz; σ = 0.92 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.62 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.47 V/m; Power Drift = -0.223 dB
Peak SAR (extrapolated) = 2.75 W/kg
SAR(1 g) = 2.2 mW/g; SAR(10 g) = 1.55 mW/g
Maximum value of SAR (measured) = 2.31 mW/g



Body SAR Plot B42

Date Tested: 09/01/2011

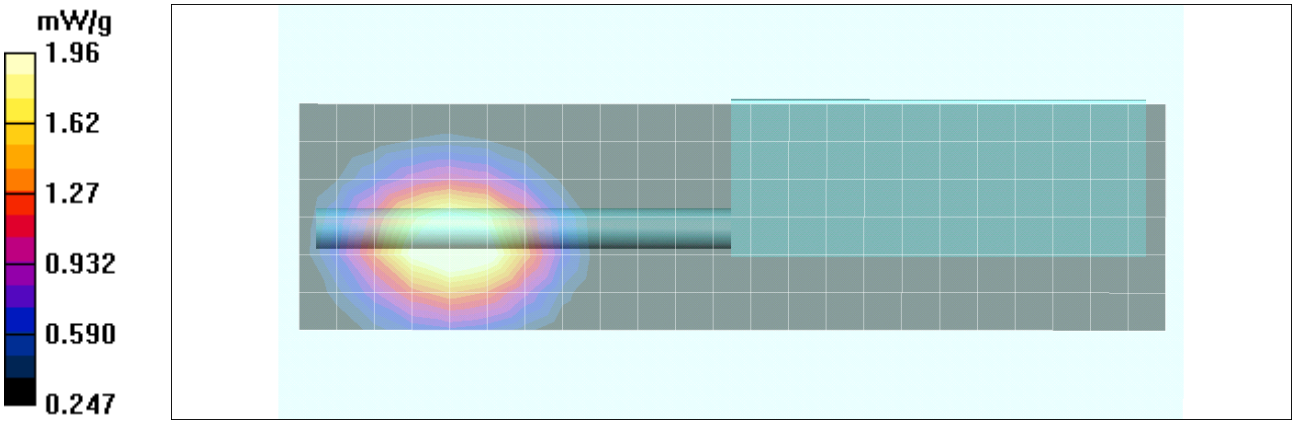
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW
Frequency: 775 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 775 MHz; σ = 0.92 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.24 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.3 V/m; Power Drift = -0.414 dB
Peak SAR (extrapolated) = 2.31 W/kg
SAR(1 g) = 1.85 mW/g; SAR(10 g) = 1.35 mW/g
Maximum value of SAR (measured) = 1.96 mW/g



Body SAR Plot B43

Date Tested: 09/01/2011

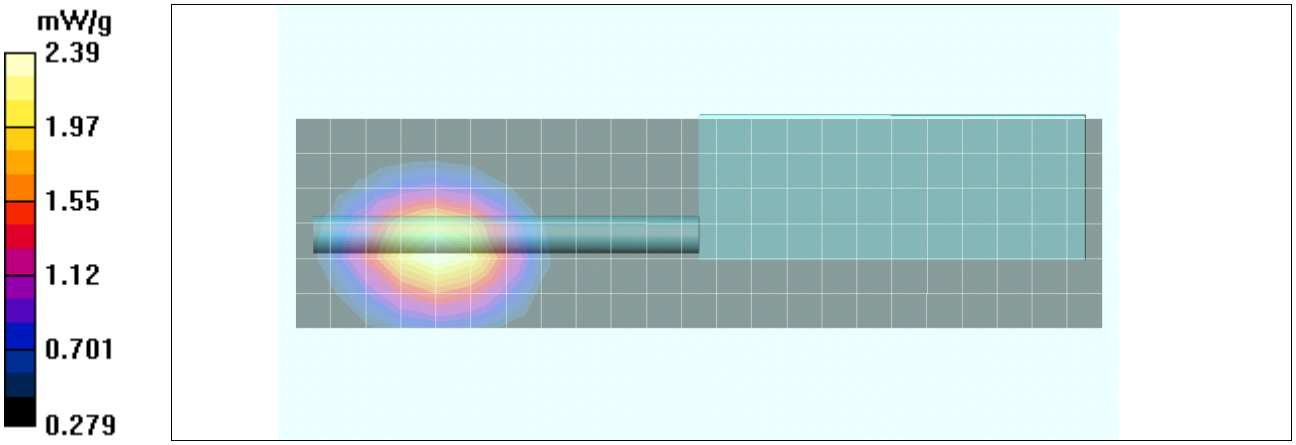
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW
Frequency: 775 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 775 MHz; σ = 0.92 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.66 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.8 V/m; Power Drift = -0.264 dB
Peak SAR (extrapolated) = 2.83 W/kg
SAR(1 g) = 2.25 mW/g; SAR(10 g) = 1.59 mW/g
Maximum value of SAR (measured) = 2.39 mW/g



Body SAR Plot B44

Date Tested: 09/01/2011

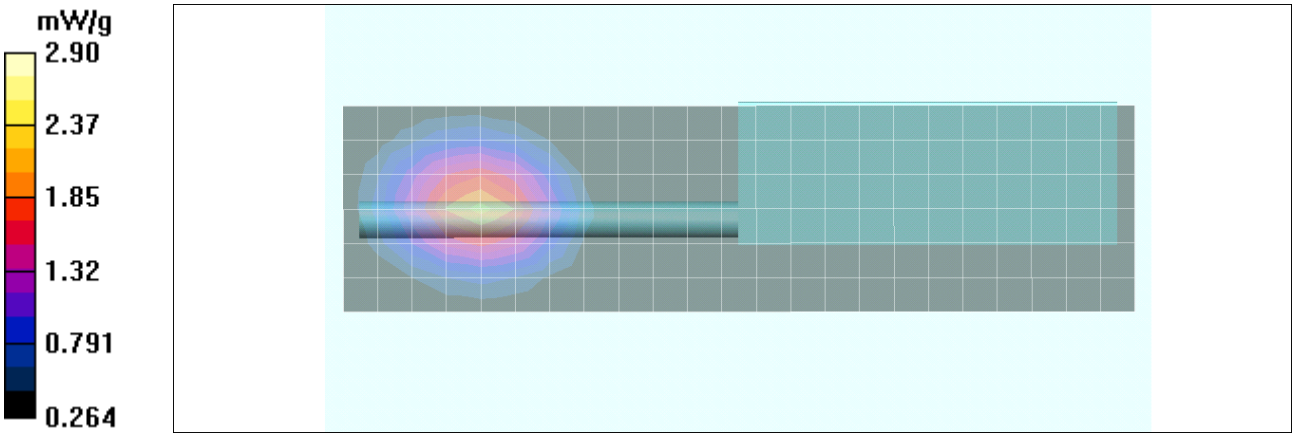
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 32%

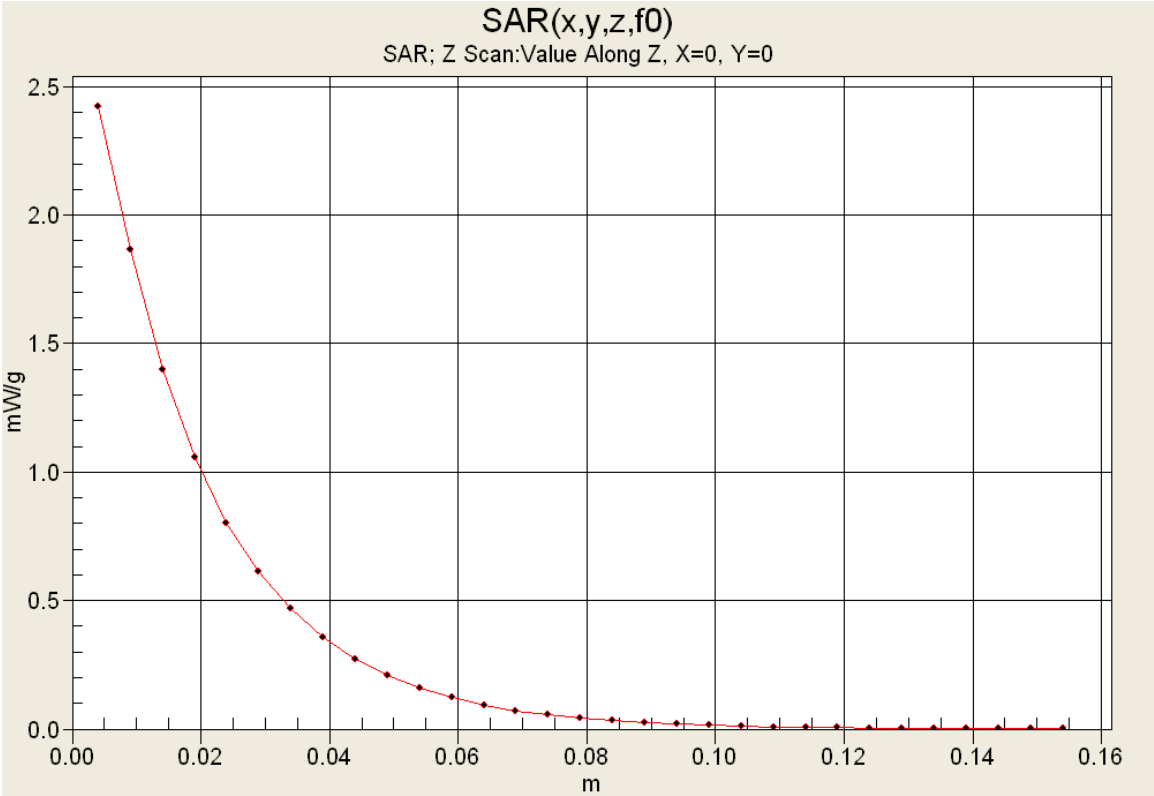
Communication System: CW
Frequency: 775 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 775 MHz; σ = 0.92 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.11 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.7 V/m; Power Drift = -0.137 dB
Peak SAR (extrapolated) = 3.46 W/kg
SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.77 mW/g
Maximum value of SAR (measured) = 2.90 mW/g



Z-Axis Scan



Body SAR Plot B45

Date Tested: 09/01/2011

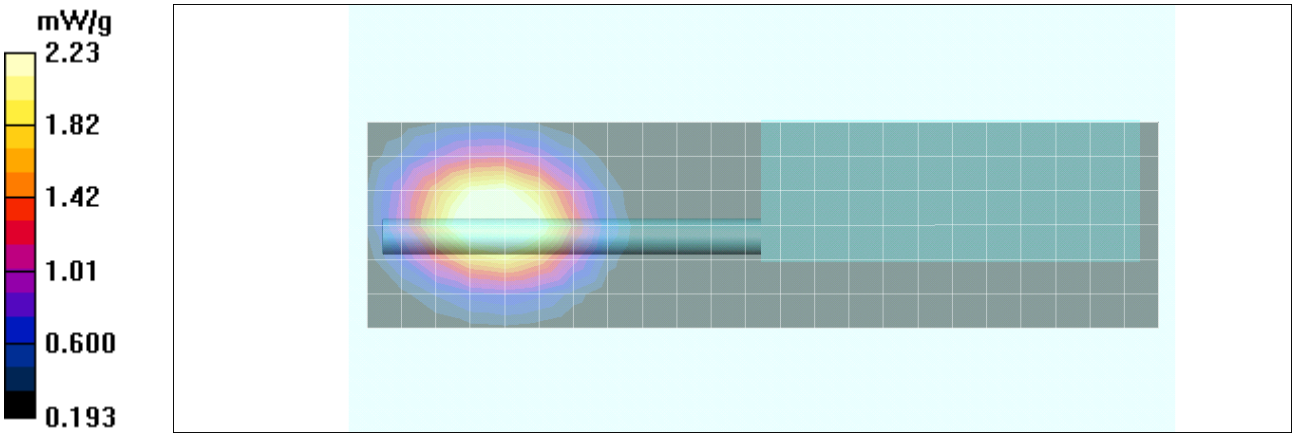
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW
Frequency: 775 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 775 MHz; σ = 0.92 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.65 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.1 V/m; Power Drift = -0.207 dB
Peak SAR (extrapolated) = 2.68 W/kg
SAR(1 g) = 2.08 mW/g; SAR(10 g) = 1.4 mW/g
Maximum value of SAR (measured) = 2.23 mW/g



Body SAR Plot B46

Date Tested: 08/30/2011

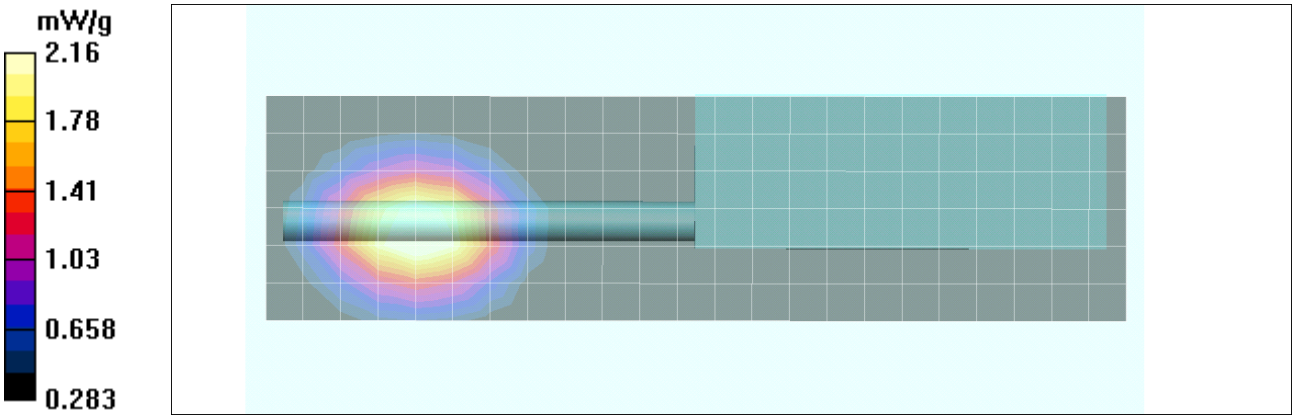
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 23.0C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW
Frequency: 793 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 793 MHz; σ = 0.948 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.33 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.9 V/m; Power Drift = -0.306 dB
Peak SAR (extrapolated) = 2.56 W/kg
SAR(1 g) = 2.03 mW/g; SAR(10 g) = 1.46 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.16 mW/g



Body SAR Plot B47

Date Tested: 08/30/2011

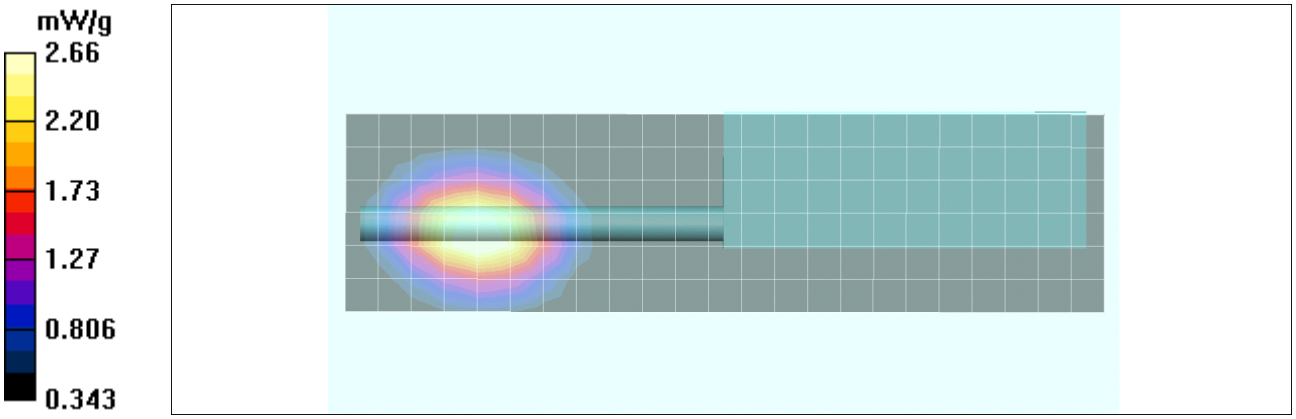
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 23.0C; Barometric Pressure: 101.1 kPa; Humidity: 36%

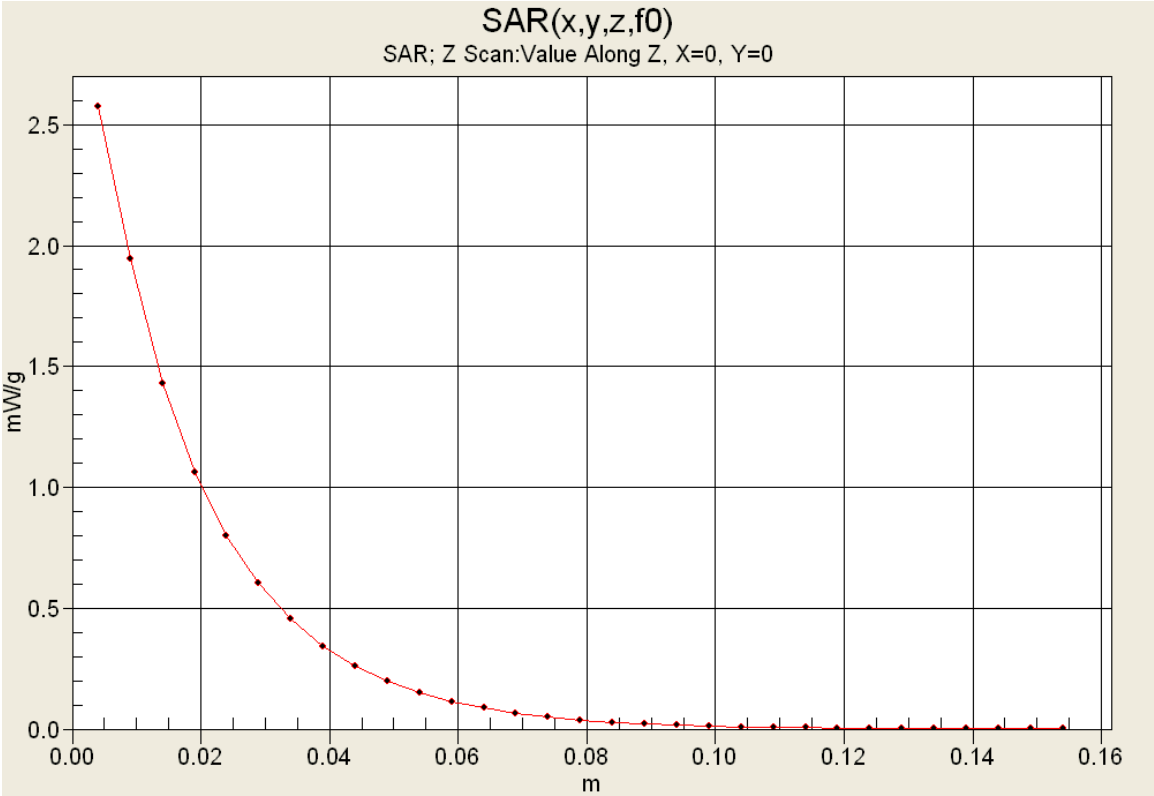
Communication System: CW
Frequency: 793 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 793 MHz; σ = 0.948 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.84 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.9 V/m; Power Drift = -0.178 dB
Peak SAR (extrapolated) = 3.18 W/kg
SAR(1 g) = 2.49 mW/g; SAR(10 g) = 1.77 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.66 mW/g



Z-Axis Scan



Body SAR Plot B48

Date Tested: 08/30/2011

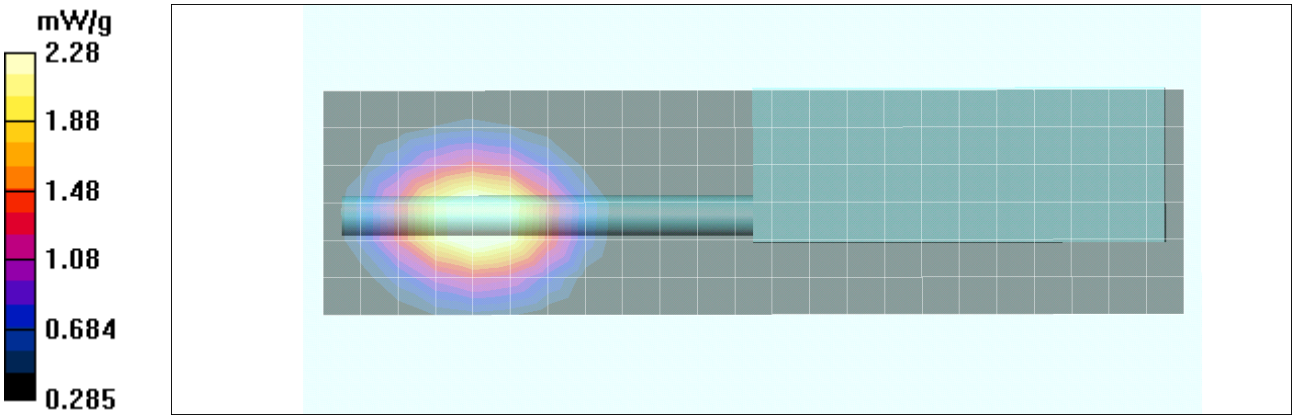
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 23.0C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW
Frequency: 793 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 793 MHz; σ = 0.948 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.42 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.0 V/m; Power Drift = -0.299 dB
Peak SAR (extrapolated) = 2.71 W/kg
SAR(1 g) = 2.14 mW/g; SAR(10 g) = 1.53 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.28 mW/g



Body SAR Plot B49

Date Tested: 08/30/2011

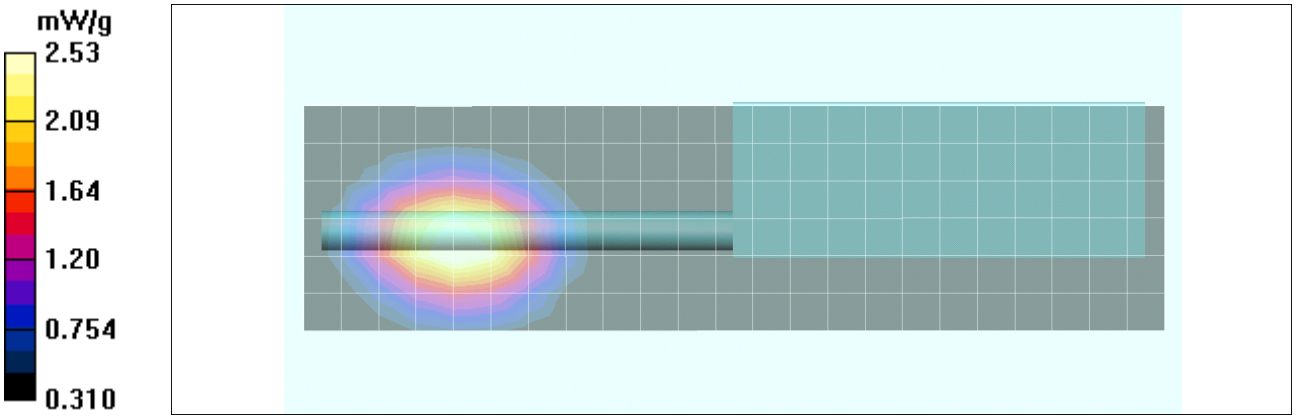
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 23.0C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW
Frequency: 793 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 793 MHz; σ = 0.948 mho/m; ε_r = 56.2; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.67 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.3 V/m; Power Drift = -0.114 dB
Peak SAR (extrapolated) = 3.03 W/kg
SAR(1 g) = 2.39 mW/g; SAR(10 g) = 1.7 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.53 mW/g



Body SAR Plot B50

Date Tested: 08/31/2011

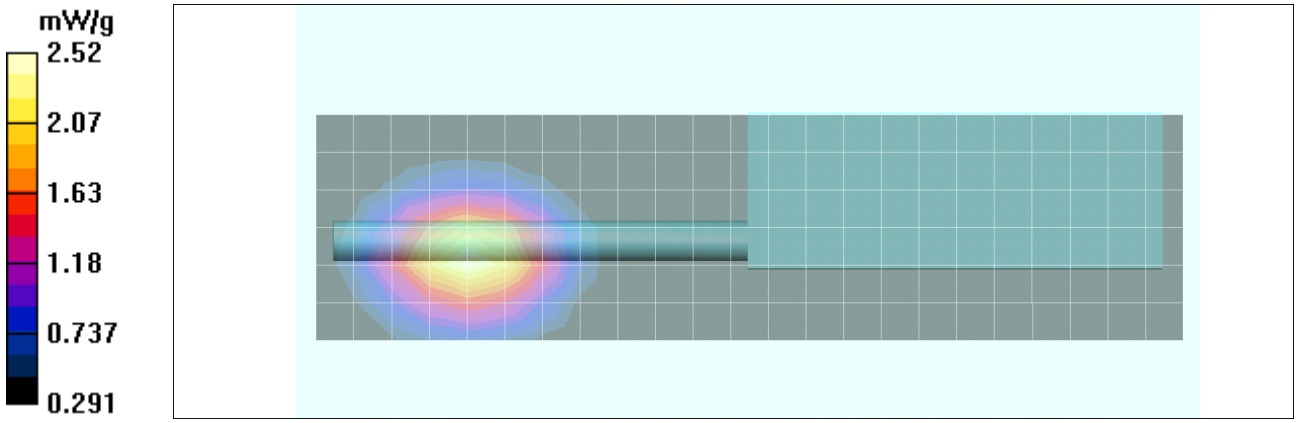
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 793 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 793 MHz; σ = 0.926 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.44 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.4 V/m; Power Drift = -0.274 dB
Peak SAR (extrapolated) = 3.02 W/kg
SAR(1 g) = 2.36 mW/g; SAR(10 g) = 1.68 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.52 mW/g



Body SAR Plot B51

Date Tested: 08/26/2011

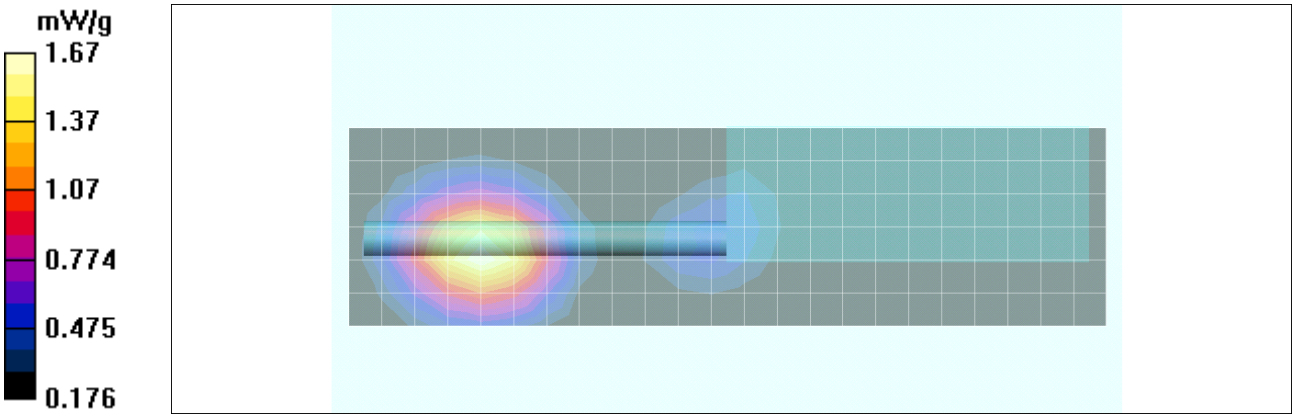
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.67 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.0 V/m; Power Drift = -0.146 dB
Peak SAR (extrapolated) = 1.99 W/kg
SAR(1 g) = 1.58 mW/g; SAR(10 g) = 1.12 mW/g
Info: Interpolated medium parameters used for SAR evaluation.



Body SAR Plot B52

Date Tested: 08/26/2011

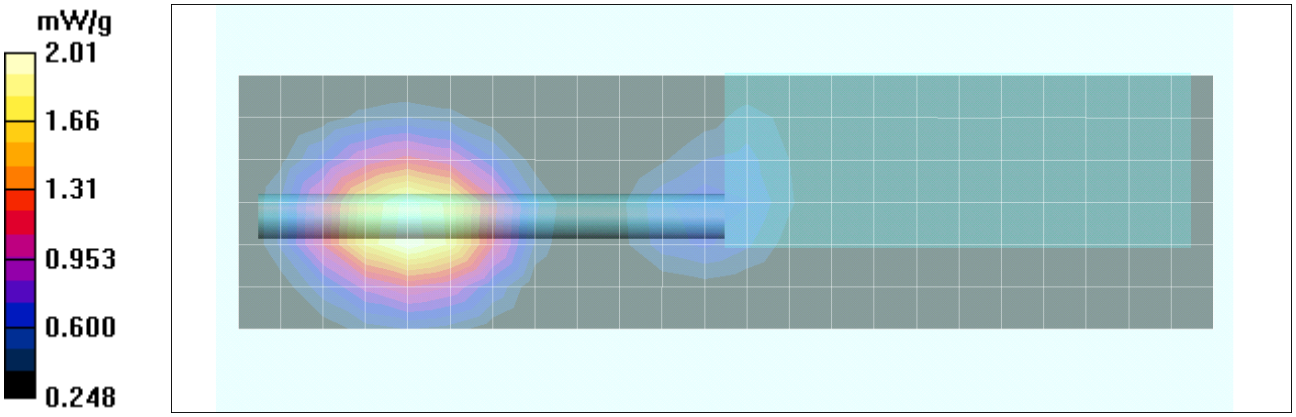
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.99 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 25.1 V/m; Power Drift = -1.48 dB
Peak SAR (extrapolated) = 2.39 W/kg
SAR(1 g) = 1.88 mW/g; SAR(10 g) = 1.35 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.01 mW/g



Body SAR Plot B53

Date Tested: 08/26/2011

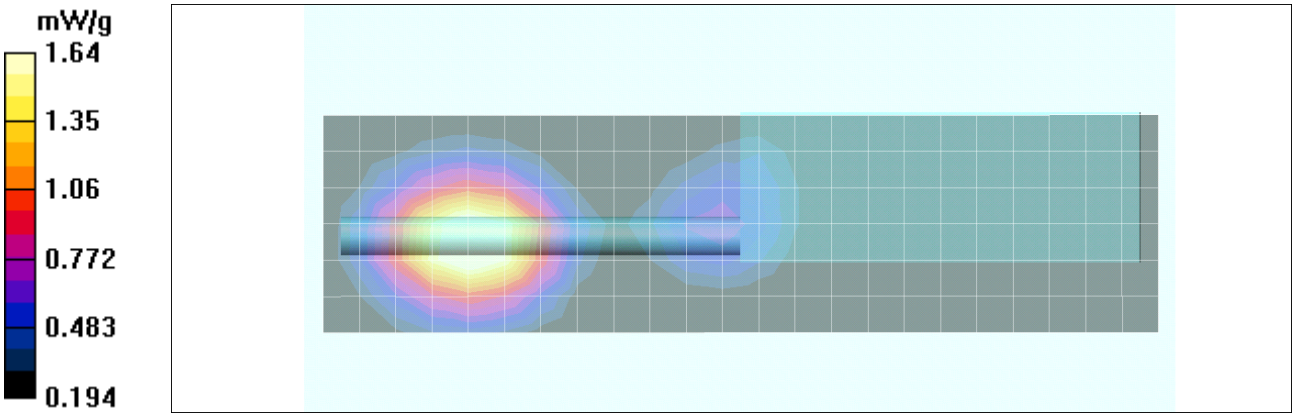
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.76 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 25.4 V/m; Power Drift = -0.097 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 1.55 mW/g; SAR(10 g) = 1.11 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.64 mW/g



Body SAR Plot B54

Date Tested: 08/26/2011

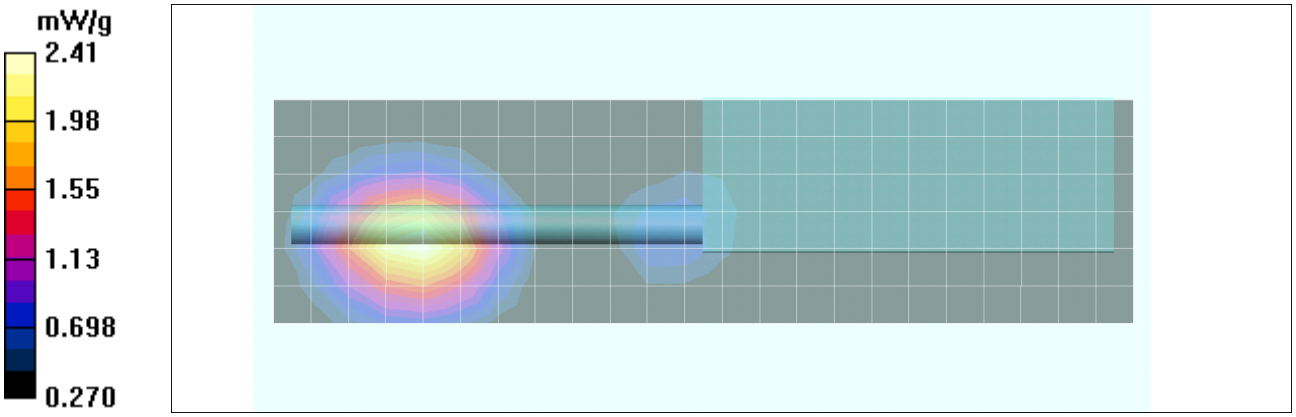
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.38 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.1 V/m; Power Drift = -1.61 dB
Peak SAR (extrapolated) = 2.90 W/kg
SAR(1 g) = 2.26 mW/g; SAR(10 g) = 1.62 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.41 mW/g



Body SAR Plot B55

Date Tested: 08/29/2011

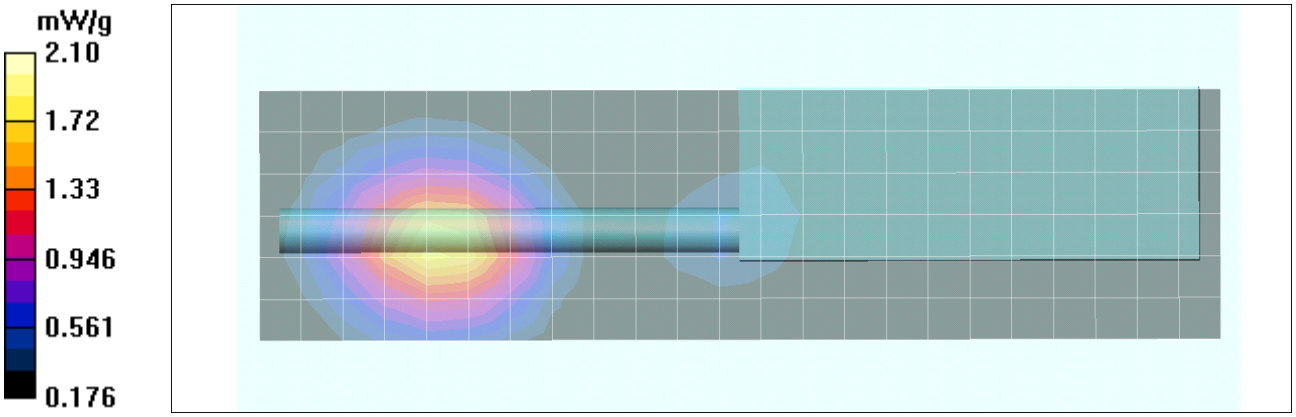
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

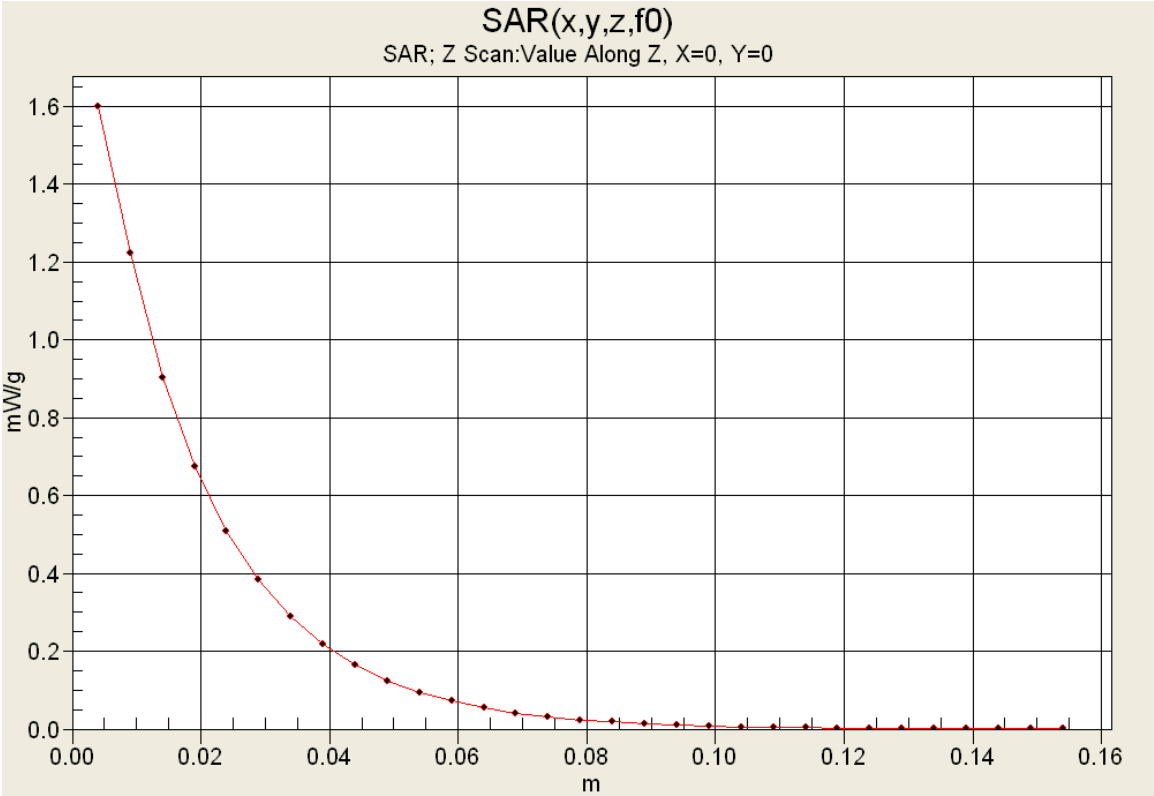
Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.937 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.77 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 25.7 V/m; Power Drift = -2.11 dB
Peak SAR (extrapolated) = 2.50 W/kg
SAR(1 g) = 1.92 mW/g; SAR(10 g) = 1.36 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 2.10 mW/g



Z-Axis Scan



Body SAR Plot B56

Date Tested: 08/25/2011

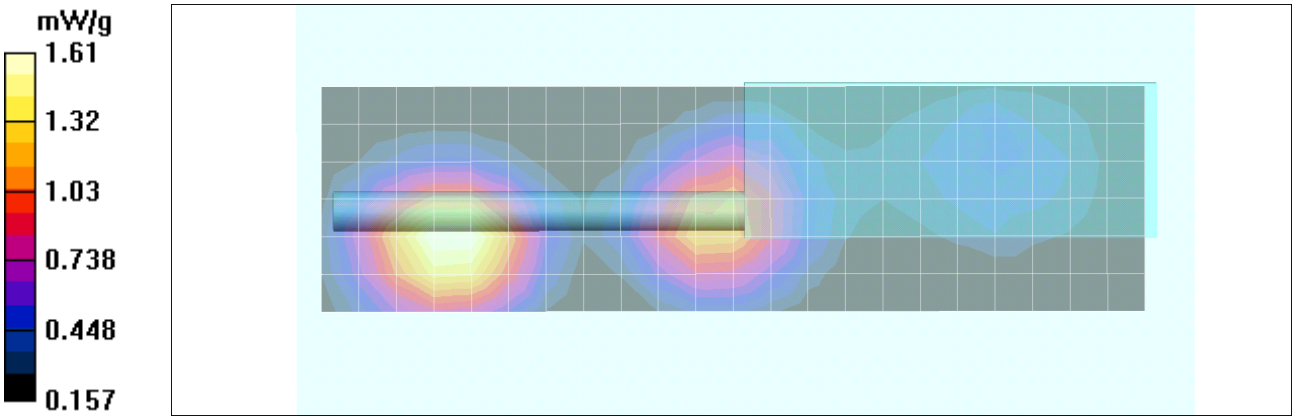
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.99 mho/m; ε_r = 54; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.61 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.4 V/m; Power Drift = -1.53 dB
Peak SAR (extrapolated) = 1.88 W/kg
SAR(1 g) = 1.47 mW/g; SAR(10 g) = 1.06 mW/g
Info: Interpolated medium parameters used for SAR evaluation.



Body SAR Plot B57

Date Tested: 08/25/2011

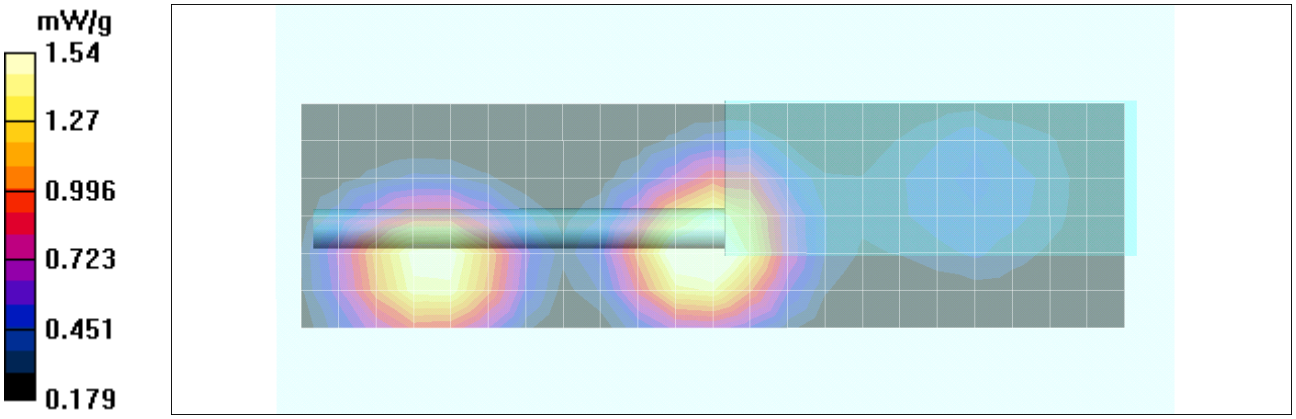
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.99 mho/m; ε_r = 54; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.75 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 37.8 V/m; Power Drift = -1.59 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 1.45 mW/g; SAR(10 g) = 1.03 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.54 mW/g



Body SAR Plot B58

Date Tested: 08/29/2011

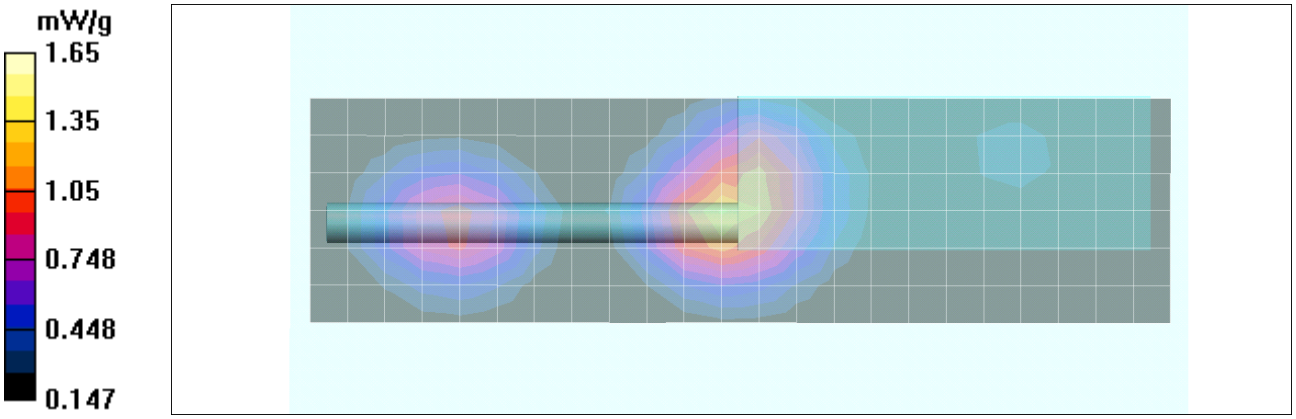
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.978 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.27 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 39.8 V/m; Power Drift = -1.91 dB
Peak SAR (extrapolated) = 2.02 W/kg
SAR(1 g) = 1.48 mW/g; SAR(10 g) = 0.998 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.65 mW/g



Body SAR Plot B59

Date Tested: 08/29/2011

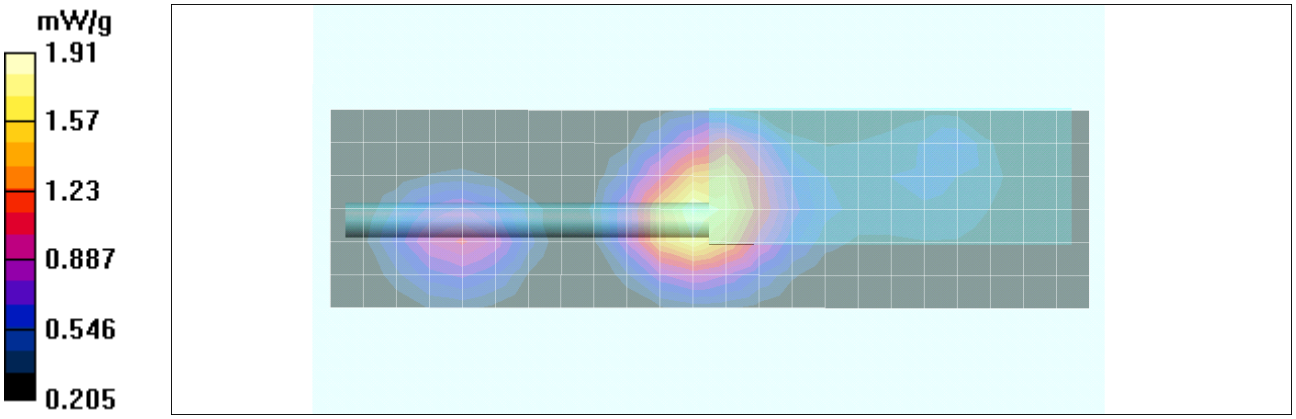
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.978 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.83 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 45.9 V/m; Power Drift = -1.28 dB
Peak SAR (extrapolated) = 2.32 W/kg
SAR(1 g) = 1.78 mW/g; SAR(10 g) = 1.26 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.91 mW/g



Body SAR Plot B60

Date Tested: 08/29/2011

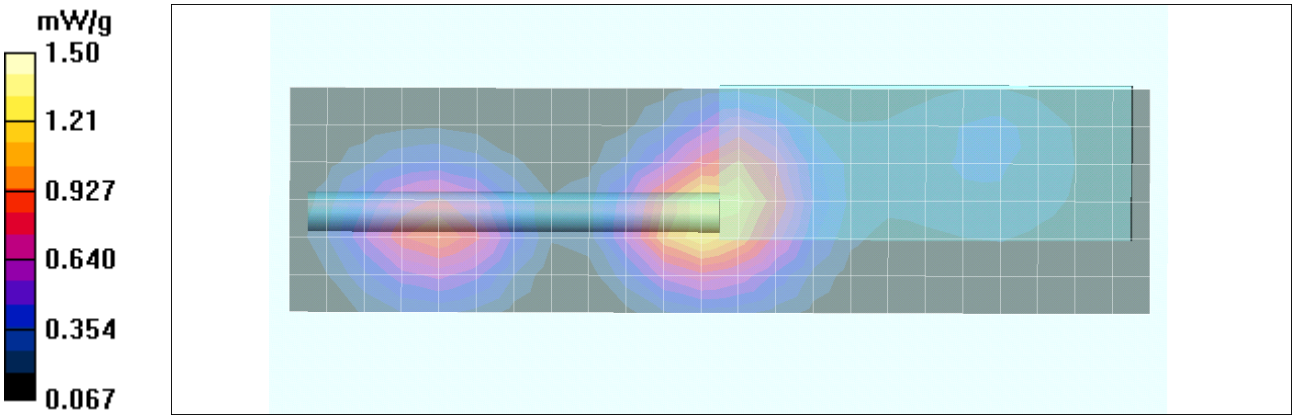
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.978 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.20 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 30.6 V/m; Power Drift = -2.35 dB
Peak SAR (extrapolated) = 1.84 W/kg
SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.811 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.50 mW/g



Body SAR Plot B61

Date Tested: 09/01/2011

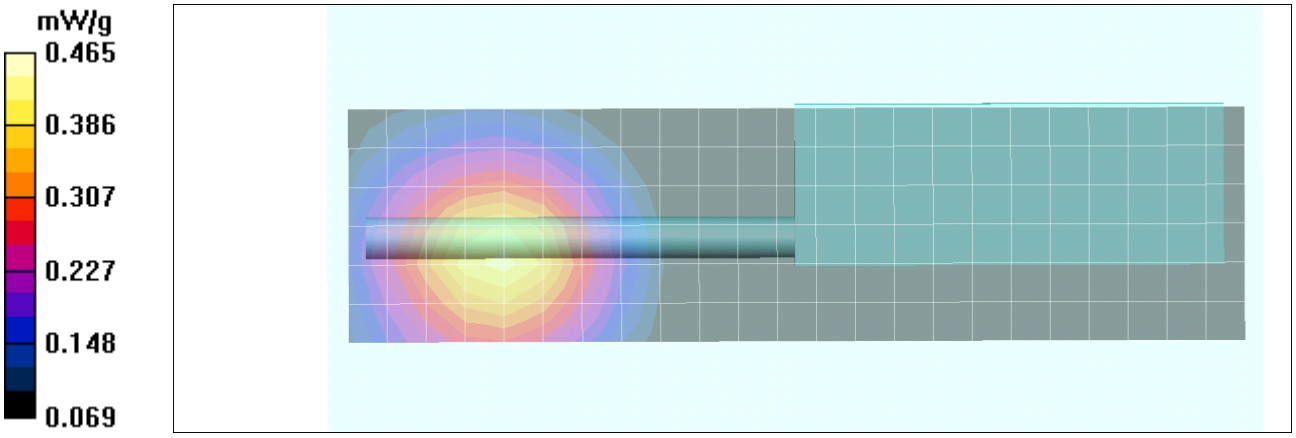
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW
Frequency: 775 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 775 MHz; σ = 0.92 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.424 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.83 V/m; Power Drift = -1.33 dB
Peak SAR (extrapolated) = 0.530 W/kg
SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.323 mW/g
Maximum value of SAR (measured) = 0.465 mW/g



Body SAR Plot B62

Date Tested: 09/01/2011

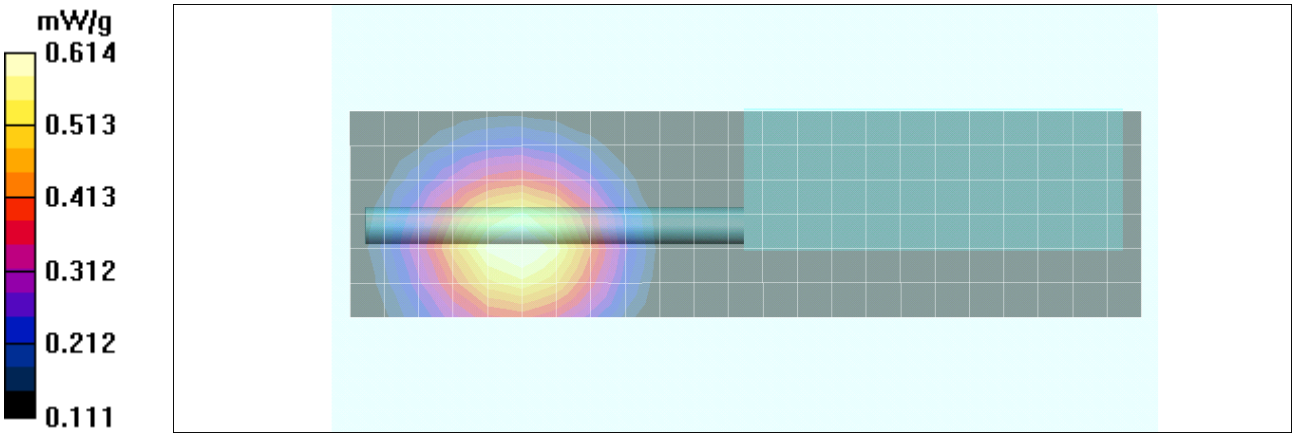
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW
Frequency: 775 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 775 MHz; σ = 0.92 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.636 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.79 V/m; Power Drift = -1.17 dB
Peak SAR (extrapolated) = 0.704 W/kg
SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.445 mW/g
Maximum value of SAR (measured) = 0.614 mW/g



Body SAR Plot B63

Date Tested: 09/01/2011

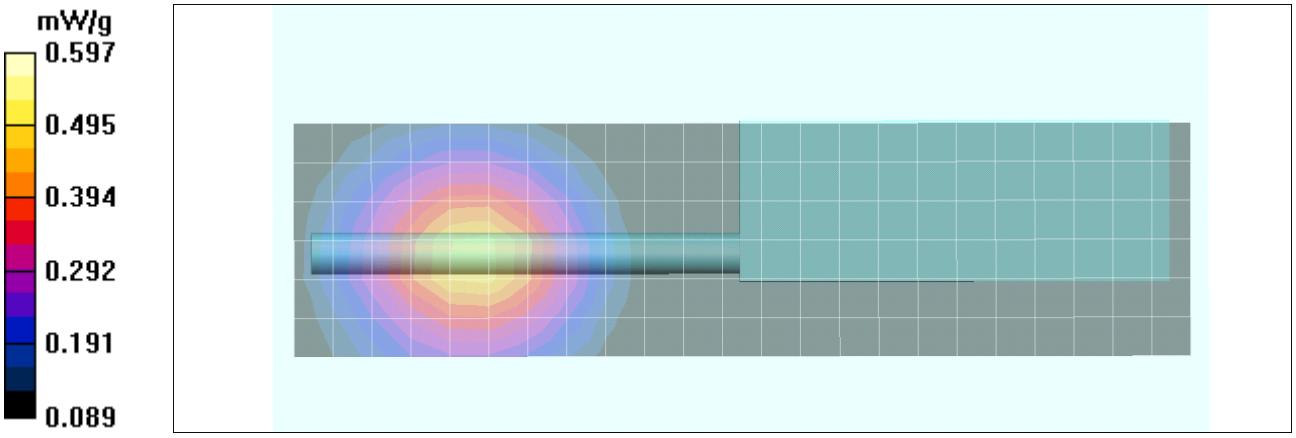
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW
Frequency: 775 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 775 MHz; σ = 0.92 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.475 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.64 V/m; Power Drift = -1.62 dB
Peak SAR (extrapolated) = 0.685 W/kg
SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.422 mW/g
Maximum value of SAR (measured) = 0.597 mW/g



Body SAR Plot B64

Date Tested: 09/01/2011

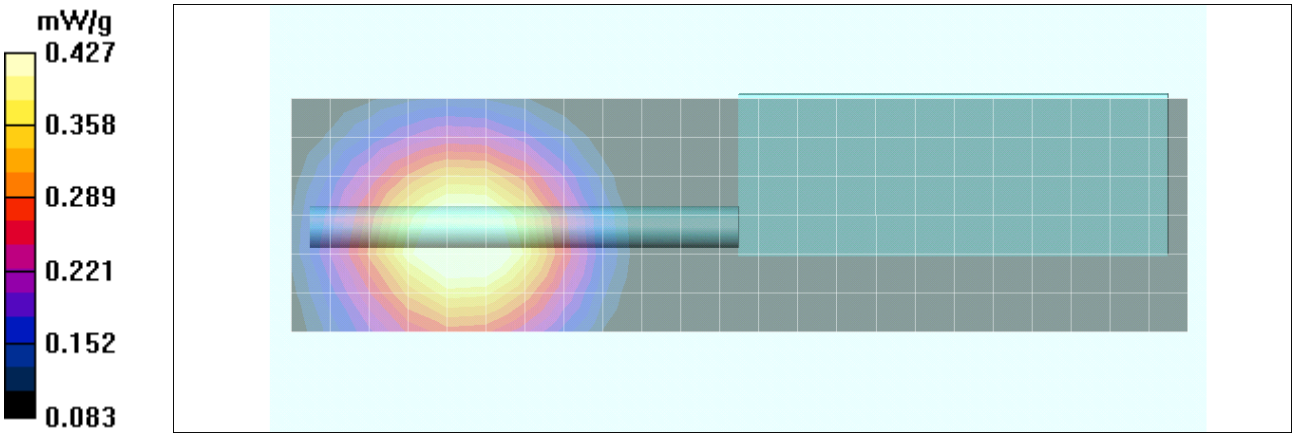
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW
Frequency: 775 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 775 MHz; σ = 0.92 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.459 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.19 V/m; Power Drift = -1.49 dB
Peak SAR (extrapolated) = 0.489 W/kg
SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.311 mW/g
Maximum value of SAR (measured) = 0.427 mW/g



Body SAR Plot B65

Date Tested: 09/01/2011

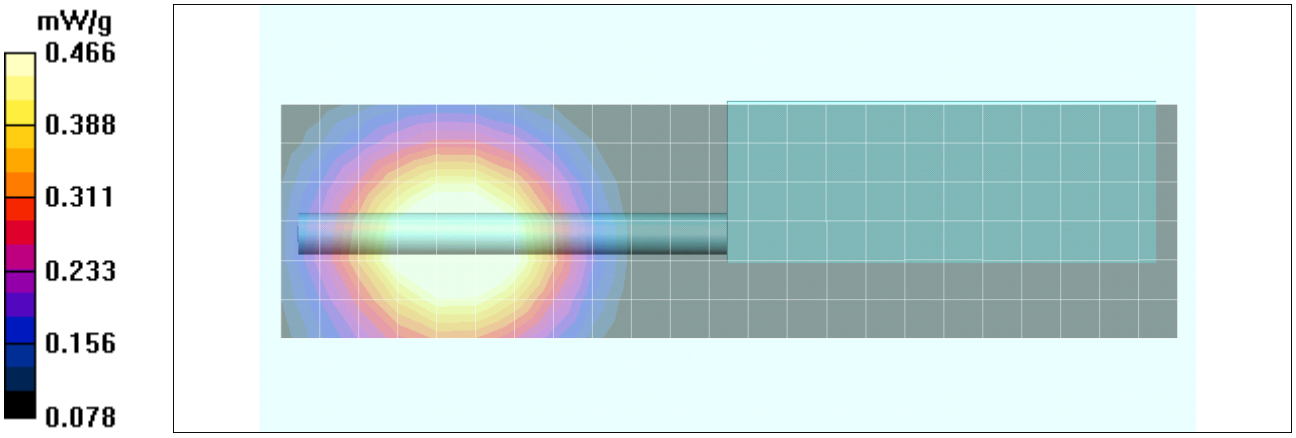
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW
Frequency: 775 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used: f = 775 MHz; σ = 0.92 mho/m; ε_r = 57.1; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.557 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.42 V/m; Power Drift = -1.69 dB
Peak SAR (extrapolated) = 0.532 W/kg
SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.331 mW/g
Maximum value of SAR (measured) = 0.466 mW/g



Body SAR Plot B66

Date Tested: 08/31/2011

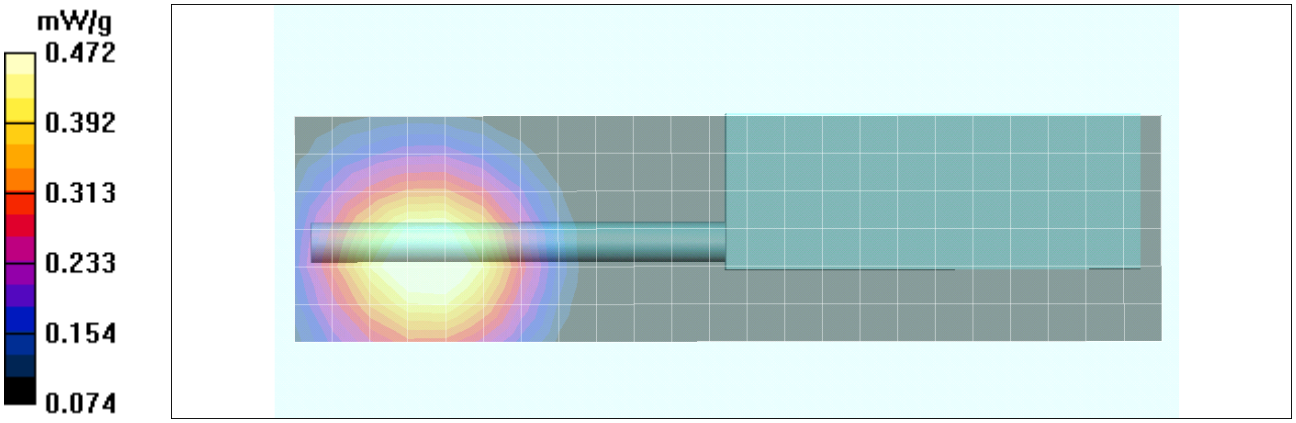
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 793 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 793 MHz; σ = 0.926 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.510 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.70 V/m; Power Drift = -0.023 dB
Peak SAR (extrapolated) = 0.542 W/kg
SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.336 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.472 mW/g



Body SAR Plot B67

Date Tested: 08/31/2011

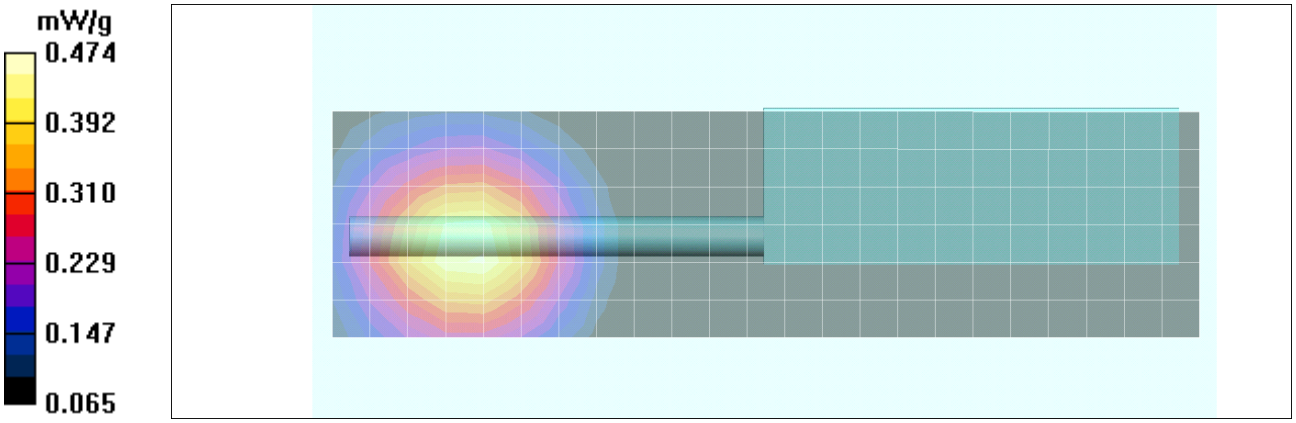
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 793 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 793 MHz; σ = 0.926 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.451 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.06 V/m; Power Drift = -0.591 dB
Peak SAR (extrapolated) = 0.547 W/kg
SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.323 mW/g
Info: Interpolated medium parameters used for SAR evaluation..
Maximum value of SAR (measured) = 0.474 mW/g



Body SAR Plot B68

Date Tested: 08/31/2011

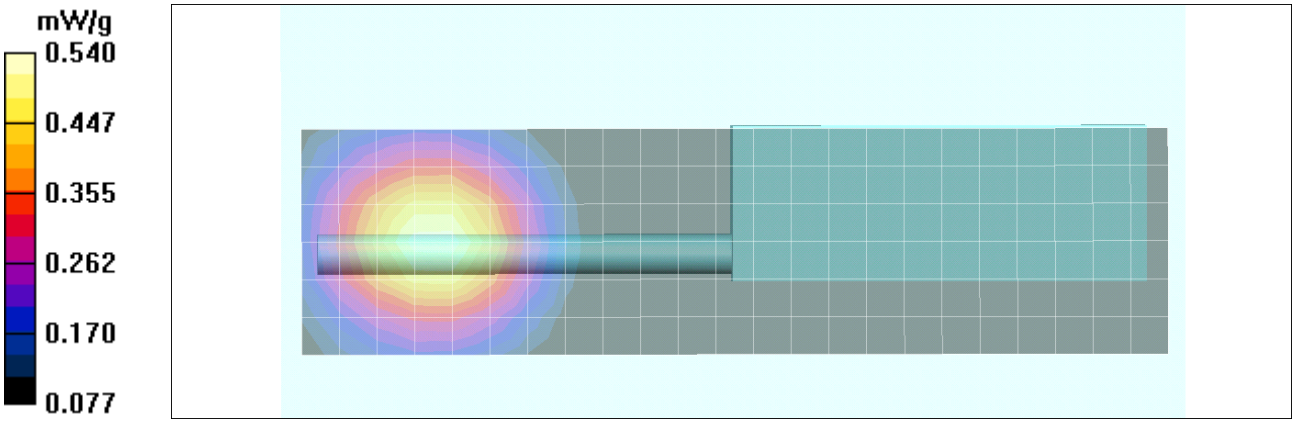
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 793 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 793 MHz; σ = 0.926 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.529 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.33 V/m; Power Drift = -0.079 dB
Peak SAR (extrapolated) = 0.622 W/kg
SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.383 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.540 mW/g



Body SAR Plot B69

Date Tested: 08/31/2011

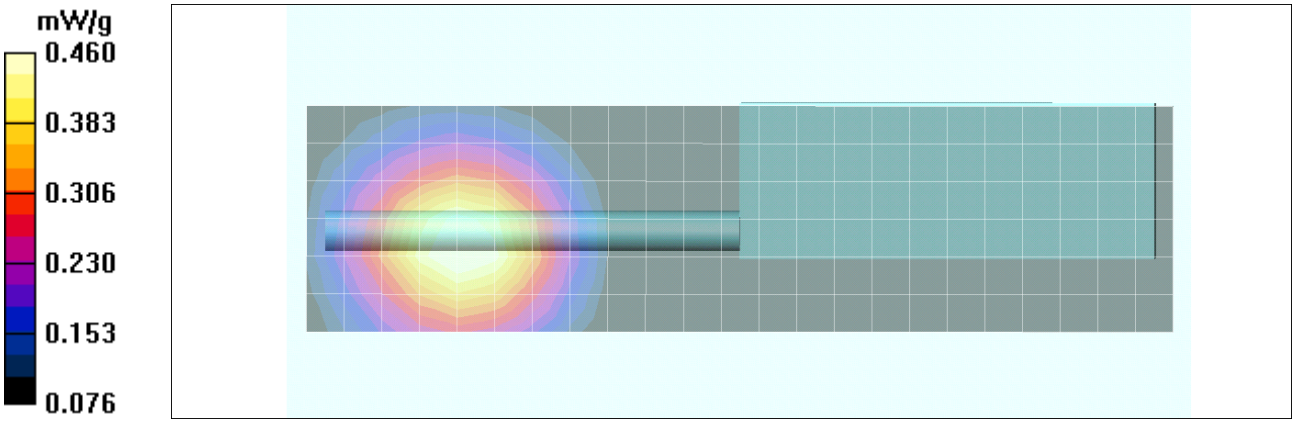
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 793 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 793 MHz; σ = 0.926 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.480 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.40 V/m; Power Drift = -0.596 dB
Peak SAR (extrapolated) = 0.528 W/kg
SAR(1 g) = 0.435 mW/g; SAR(10 g) = 0.329 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.460 mW/g



Body SAR Plot B70

Date Tested: 08/31/2011

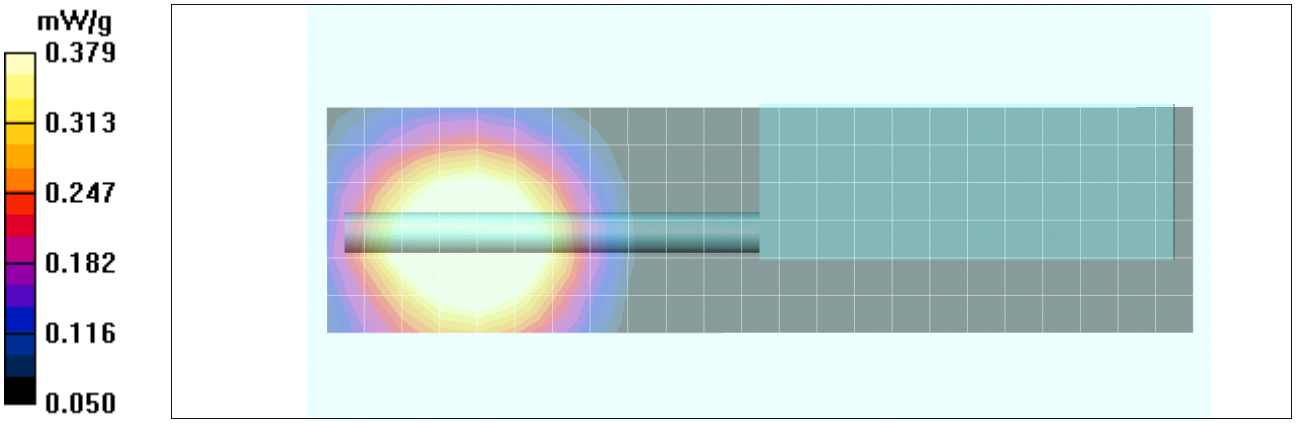
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 793 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 793 MHz; σ = 0.926 mho/m; ε_r = 56.3; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.539 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.5 V/m; Power Drift = -2.78 dB
Peak SAR (extrapolated) = 0.443 W/kg
SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.250 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.379 mW/g



Body SAR Plot B71

Date Tested: 08/26/2011

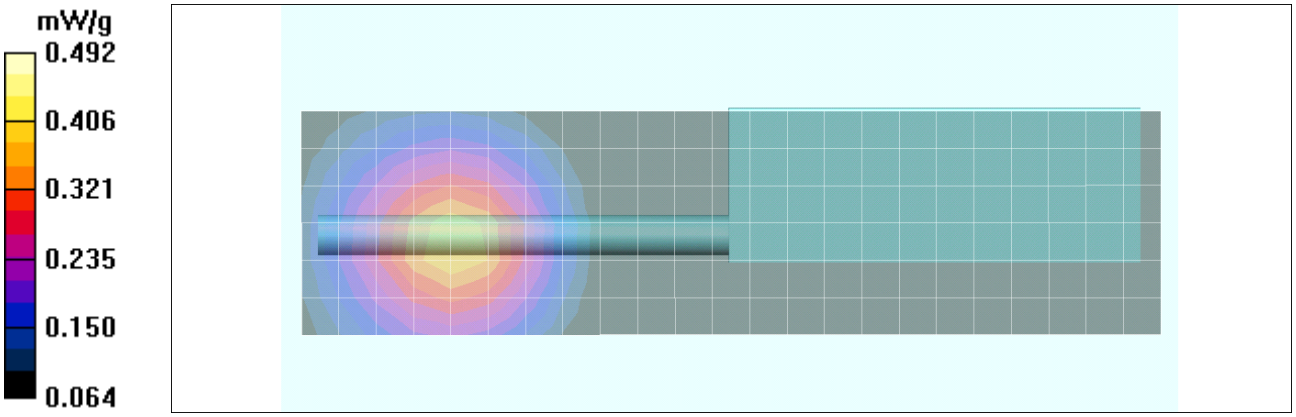
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.378 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 15.2 V/m; Power Drift = -1.45 dB
Peak SAR (extrapolated) = 0.576 W/kg
SAR(1 g) = 0.452 mW/g; SAR(10 g) = 0.334 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.492 mW/g



Body SAR Plot B72

Date Tested: 08/26/2011

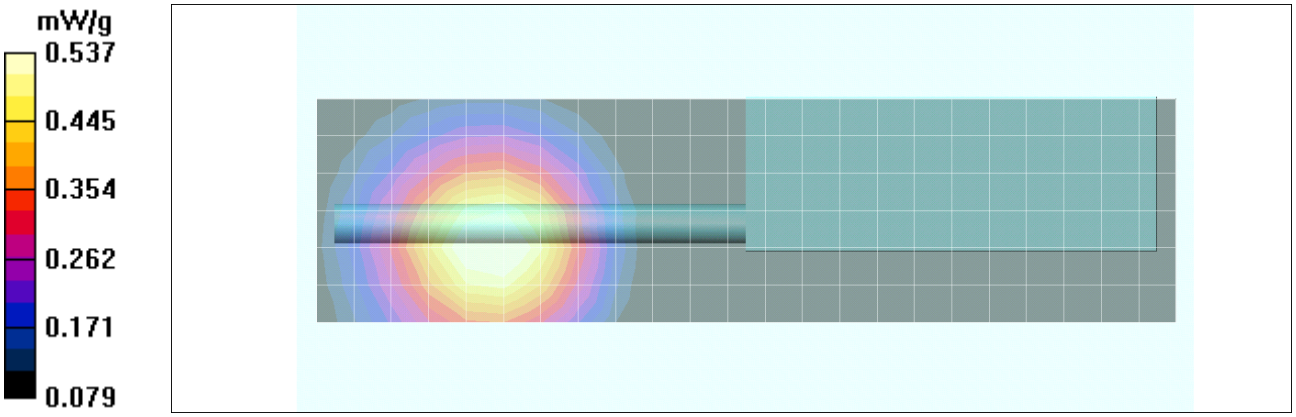
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.574 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.31 V/m; Power Drift = -1.43 dB
Peak SAR (extrapolated) = 0.620 W/kg
SAR(1 g) = 0.506 mW/g; SAR(10 g) = 0.378 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.537 mW/g



Body SAR Plot B73

Date Tested: 08/26/2011

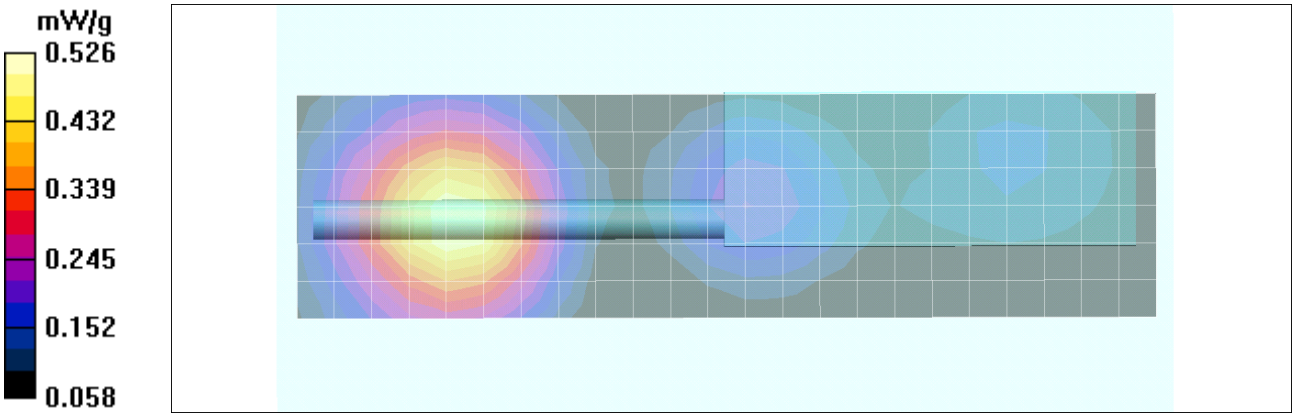
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.494 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.9 V/m; Power Drift = -1.37 dB
Peak SAR (extrapolated) = 0.618 W/kg
SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.343 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.526 mW/g



Body SAR Plot B74

Date Tested: 08/26/2011

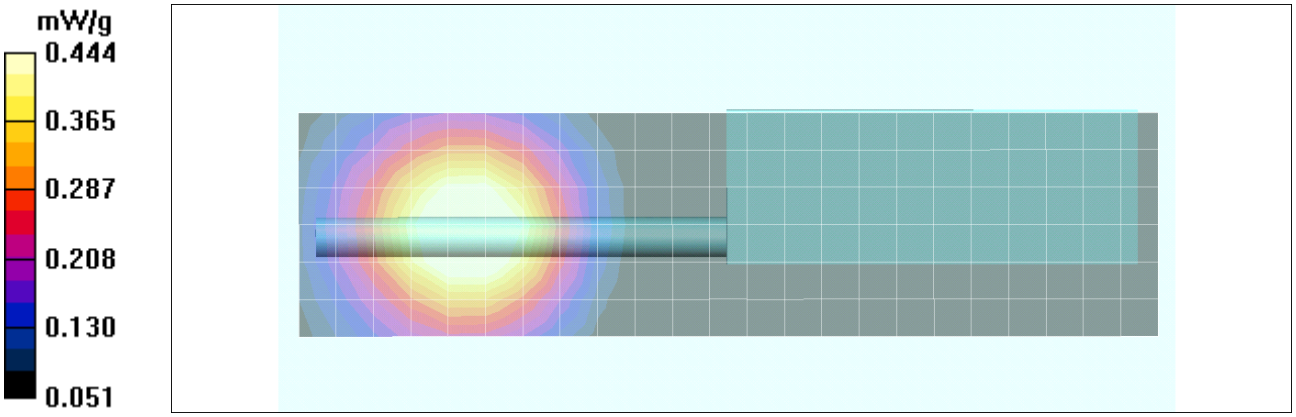
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.939 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.504 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.0 V/m; Power Drift = -1.35 dB
Peak SAR (extrapolated) = 0.517 W/kg
SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.295 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.444 mW/g



Body SAR Plot B75

Date Tested: 08/29/2011

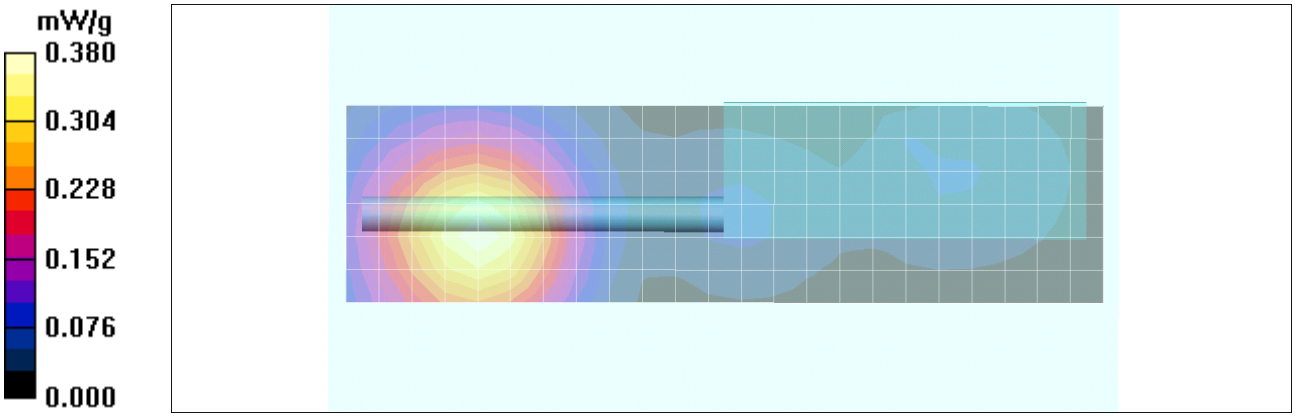
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 824 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 824 MHz; σ = 0.937 mho/m; ε_r = 52.7; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.378 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.52 V/m; Power Drift = -0.214 dB
Peak SAR (extrapolated) = 0.450 W/kg
SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.267 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.380 mW/g



Body SAR Plot B76

Date Tested: 08/29/2011

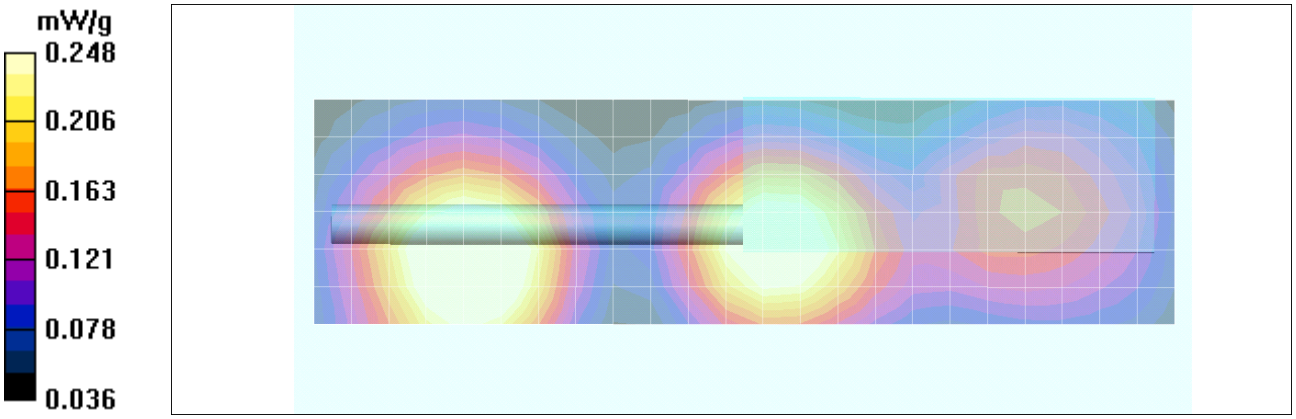
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.978 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.316 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 14.5 V/m; Power Drift = -2.08 dB
Peak SAR (extrapolated) = 0.289 W/kg
SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.174 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.248 mW/g



Body SAR Plot B77

Date Tested: 08/29/2011

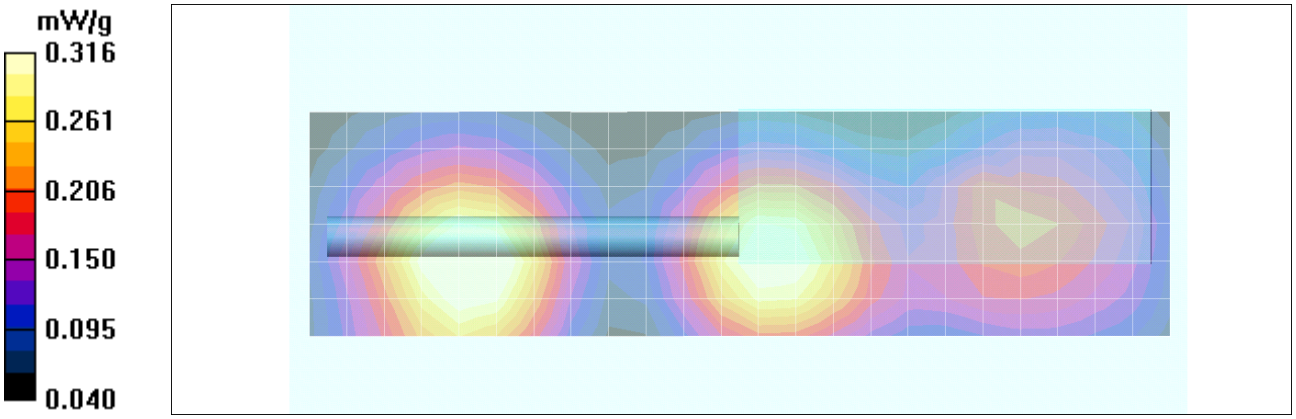
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.978 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.360 mW/g
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 15.3 V/m; Power Drift = -1.81 dB
Peak SAR (extrapolated) = 0.377 W/kg
SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.221 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.316 mW/g



Body SAR Plot B78

Date Tested: 08/29/2011

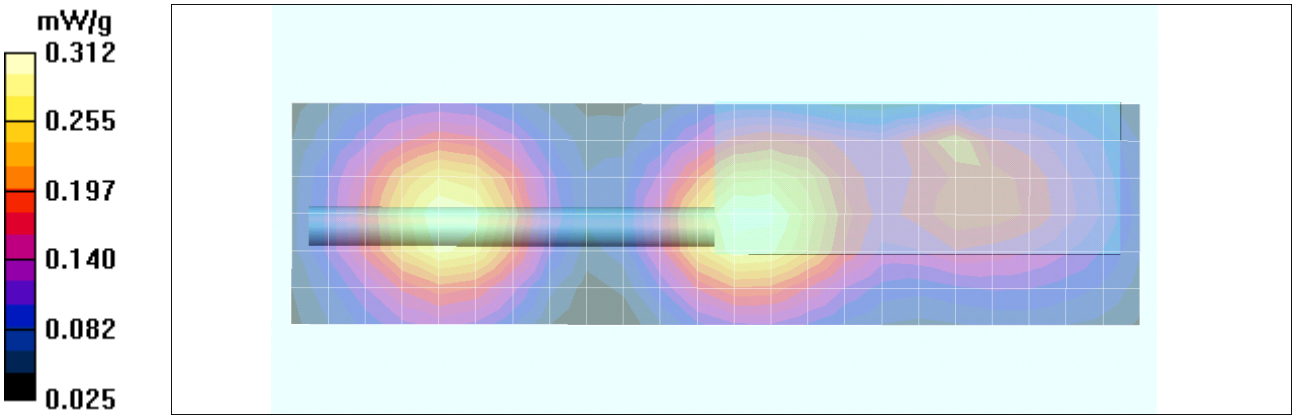
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.978 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.302 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 17.9 V/m; Power Drift = -2.88 dB
Peak SAR (extrapolated) = 0.368 W/kg
SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.172 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.312 mW/g



Body SAR Plot B79

Date Tested: 08/29/2011

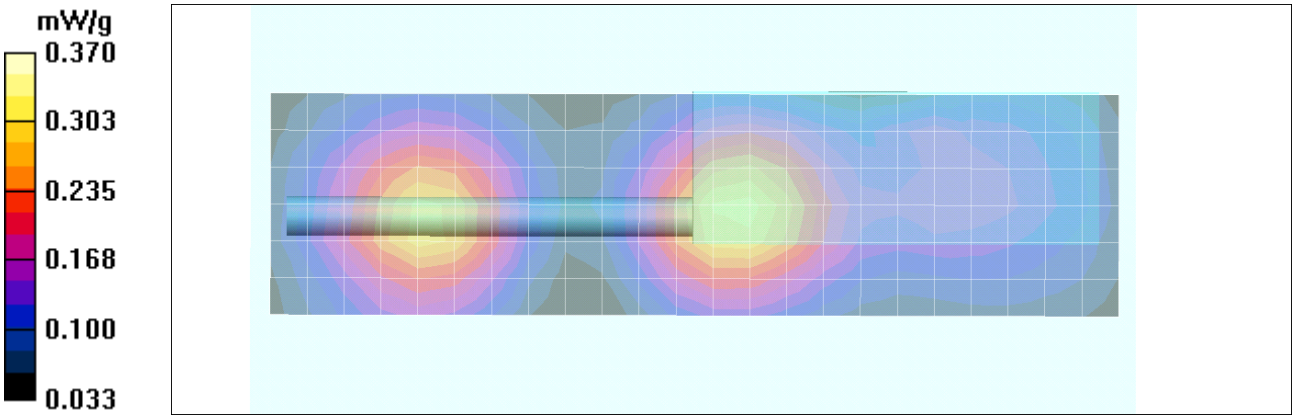
DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.978 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.314 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.7 V/m; Power Drift = -2.36 dB
Peak SAR (extrapolated) = 0.436 W/kg
SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.220 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.370 mW/g



Body SAR Plot B80

Date Tested: 08/29/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW
Frequency: 869 MHz; Duty Cycle: 1:1
Medium: M835 Medium parameters used (interpolated): f = 869 MHz; σ = 0.978 mho/m; ε_r = 52.6; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.459 mW/g
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.8 V/m; Power Drift = -2.41 dB
Peak SAR (extrapolated) = 0.406 W/kg
SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.197 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.347 mW/g