APPENDIX A - SAR MEASUREMENT DATA

Body SAR - PCS Band - CDMA Mode - Back Side of DUT (Lap-held)

Date Tested: 03/05/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

Ambient Temp: 24.8 °C; Fluid Temp: 21.7 °C; Barometric Pressure: 101.5 kPa; Humidity: 30%

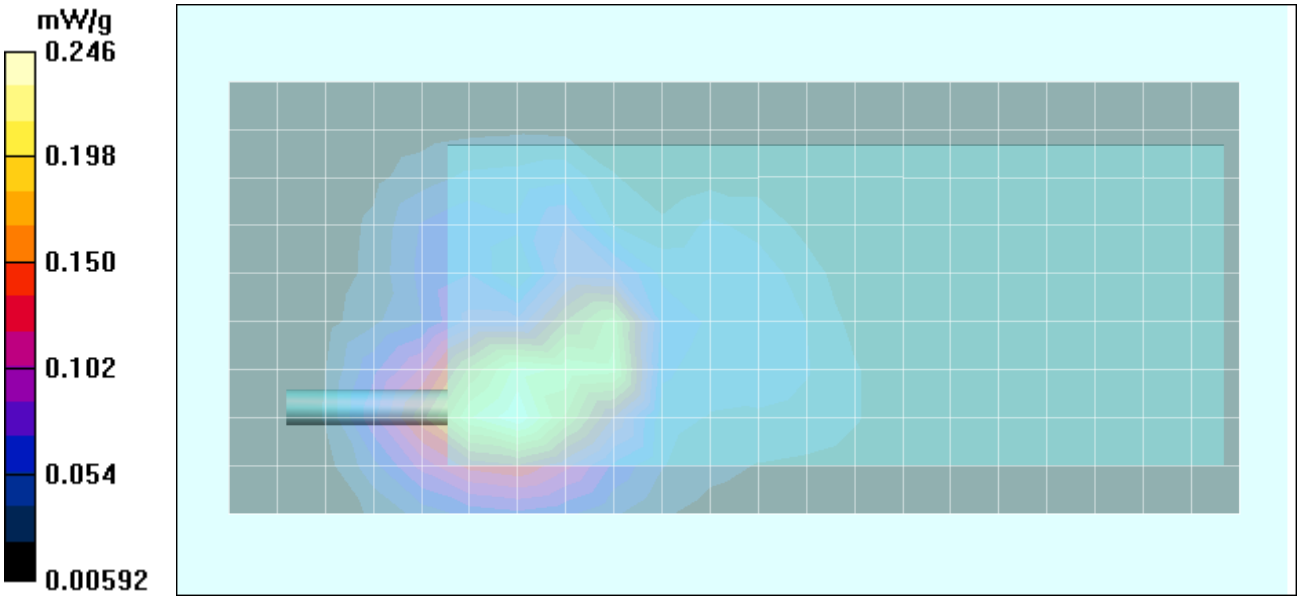
7.4V, 3.0Ah Li-ion Battery Pack
Communication System: PCS CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 1880.00 MHz; Channel 600; Duty Cycle: 1:1
Medium: M1880 (σ = 1.59 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(5, 5, 5); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - PCS CDMA - Back Side of DUT (Battery Side) - 0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Area Scan (10x22x1): Measurement grid: dx=15mm, dy=15mm

Body SAR - PCS CDMA - Back Side of DUT (Battery Side) - 0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.335 W/kg
SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.137 mW/g
Reference Value = 11.9 V/m
Power Drift = -0.126 dB

Body SAR - PCS CDMA - Back Side of DUT (Battery Side) - 0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.331 W/kg
SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.132 mW/g
Reference Value = 11.9 V/m
Power Drift = -0.126 dB



Body SAR - PCS Band - CDMA Mode - Right Side of DUT (Antenna Side)

Date Tested: 03/05/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

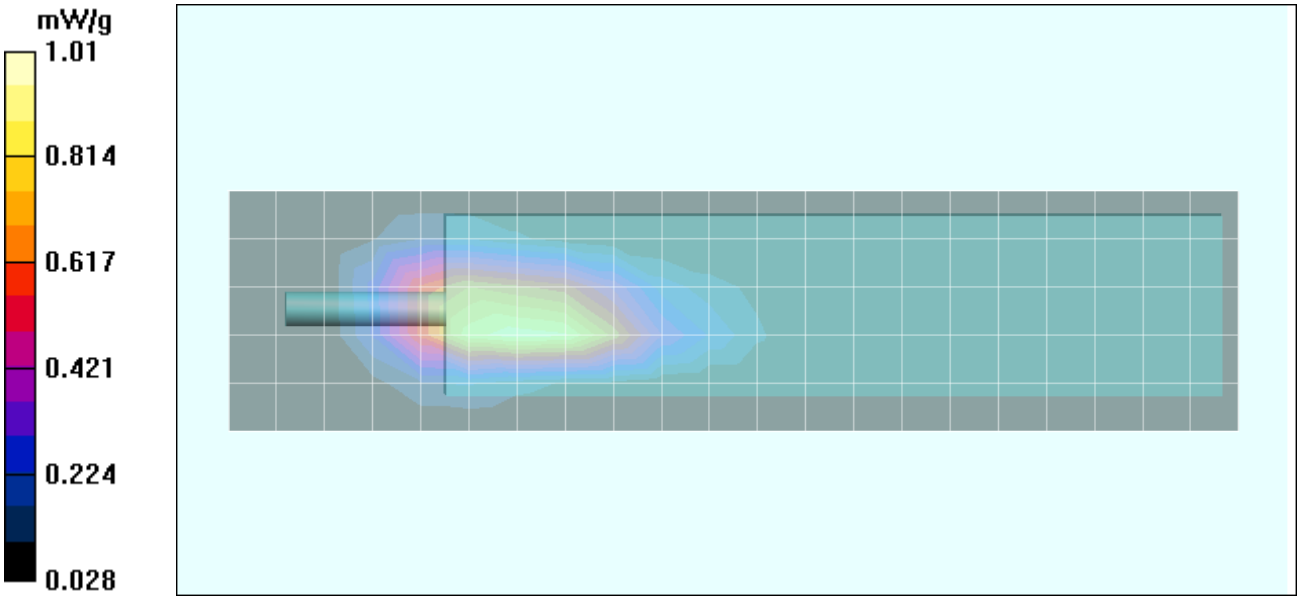
Ambient Temp: 24.8 °C; Fluid Temp: 21.7 °C; Barometric Pressure: 101.5 kPa; Humidity: 30%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: PCS CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 1880.00 MHz; Channel 600; Duty Cycle: 1:1
Medium: M1880 (σ = 1.59 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(5, 5, 5); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - PCS CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body SAR - PCS CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.904 mW/g; SAR(10 g) = 0.521 mW/g
Reference Value = 26.1 V/m
Power Drift = -0.0100 dB



Body SAR - PCS Band - CDMA Mode - Right Side of DUT (Antenna Side)

Date Tested: 03/05/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

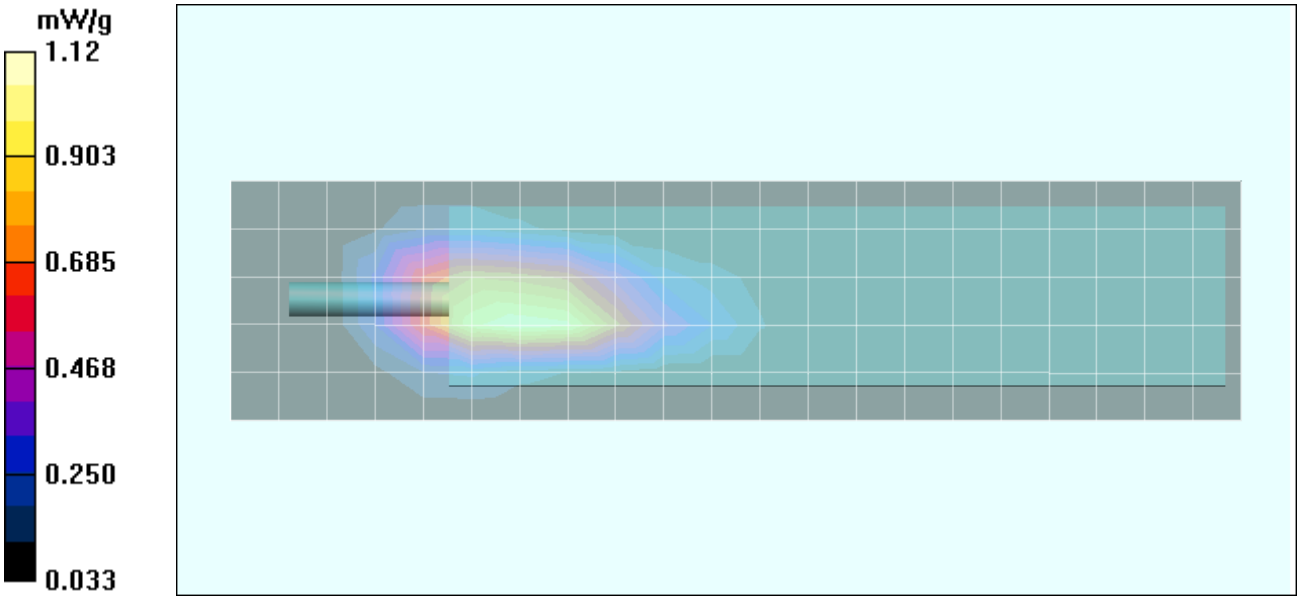
Ambient Temp: 24.8 °C; Fluid Temp: 21.7 °C; Barometric Pressure: 101.5 kPa; Humidity: 30%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: PCS CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 1851.25 MHz; Channel 25; Duty Cycle: 1:1
Medium: M1880 (σ = 1.59 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3)

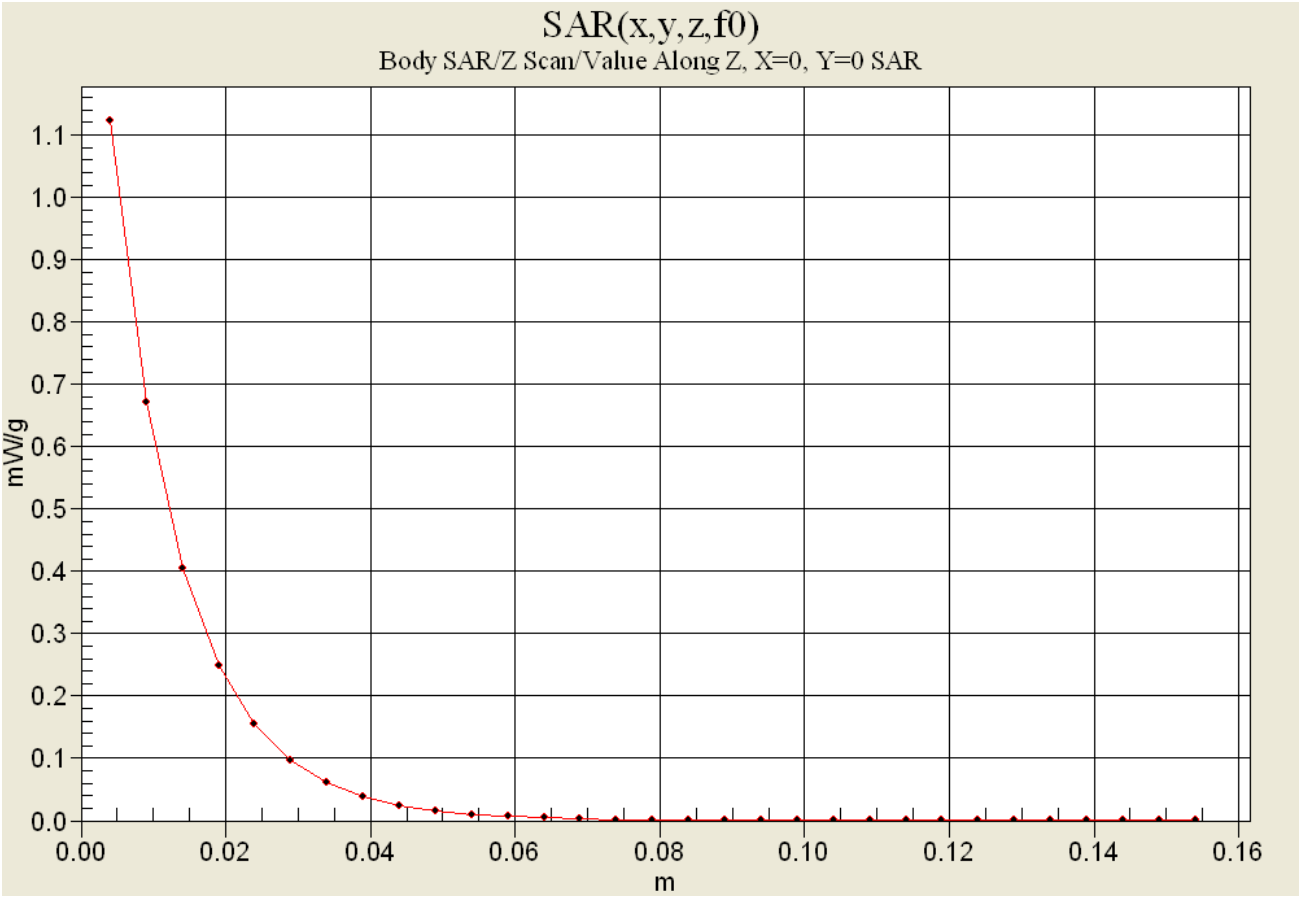
- Probe: ET3DV6 - SN1590; ConvF(5, 5, 5); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - PCS CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - Low Channel - 1851.25 MHz
Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body SAR - PCS CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - Low Channel - 1851.25 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.584 mW/g
Reference Value = 27.5 V/m
Power Drift = -0.0193 dB



Z-Axis Scan


SAR(x,y,z,f0)
Body SAR/Z Scan/Value Along Z, X=0, Y=0 SAR
mW/g
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

Body SAR - PCS Band - CDMA Mode - Right Side of DUT (Antenna Side)

Date Tested: 03/05/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

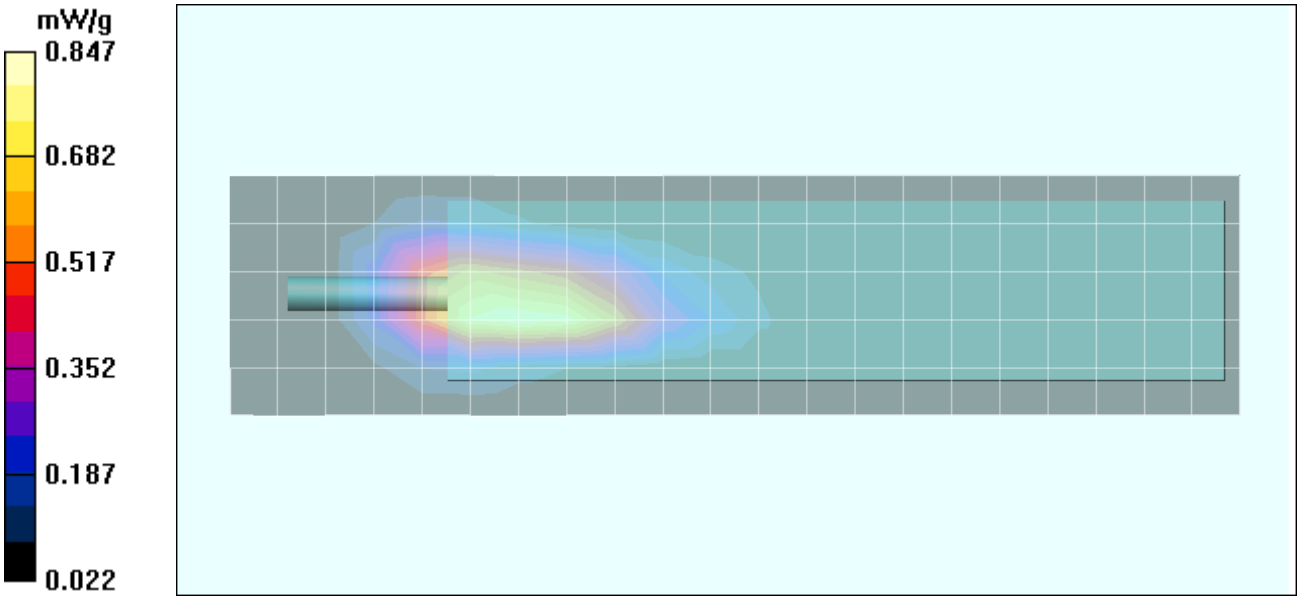
Ambient Temp: 24.8 °C; Fluid Temp: 21.7 °C; Barometric Pressure: 101.5 kPa; Humidity: 30%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: PCS CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 1908.75 MHz; Channel 1175; Duty Cycle: 1:1
Medium: M1880 (σ = 1.59 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(5, 5, 5); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - PCS CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - High Channel - 1908.75 MHz
Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body SAR - PCS CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - High Channel - 1908.75 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.33 W/kg
SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.436 mW/g
Reference Value = 24.4 V/m
Power Drift = -0.0113 dB



Body-Worn SAR - PCS Band - CDMA Mode - Right Side of DUT (Antenna Side) - with Carry Case

Date Tested: 03/05/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

Body-Worn Accessories: Nylon Carry-Case (P/N: 54-0644-001), Ear-Microphone (Model: JABRA)

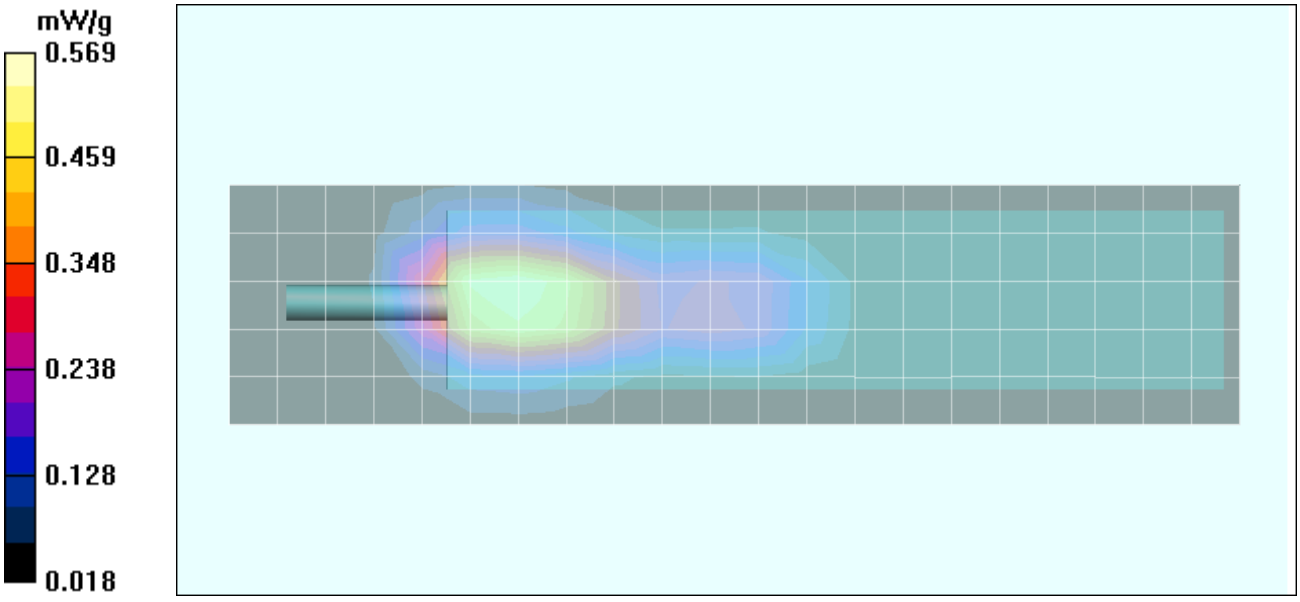
Ambient Temp: 24.8 °C; Fluid Temp: 21.7 °C; Barometric Pressure: 101.5 kPa; Humidity: 30%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: PCS CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 1880.00 MHz; Channel 600; Duty Cycle: 1:1
Medium: M1880 (σ = 1.59 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(5, 5, 5); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body-Worn - PCS CDMA - Right Side of DUT (Antenna Side) - front side of DUT facing front of Carry Case
0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn - PCS CDMA - Right Side of DUT (Antenna Side) - front side of DUT facing front of Carry Case
0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.845 W/kg
SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.315 mW/g
Reference Value = 19.8 V/m
Power Drift = -0.207 dB



Body-Worn SAR - PCS Band - CDMA Mode - Right Side of DUT (Antenna Side) - with Carry Case

Date Tested: 03/05/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

Body-Worn Accessories: Nylon Carry-Case (P/N: 54-0644-001), Ear-Microphone (Model: JABRA)

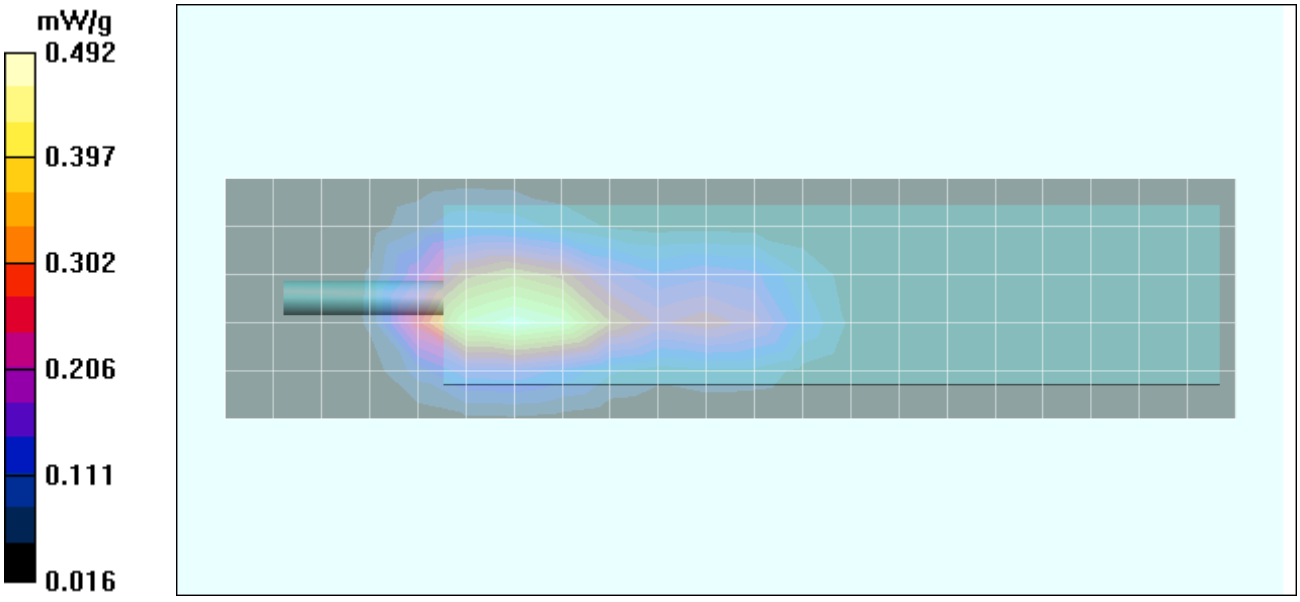
Ambient Temp: 24.8 °C; Fluid Temp: 21.7 °C; Barometric Pressure: 101.5 kPa; Humidity: 30%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: PCS CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 1880.00 MHz; Channel 600; Duty Cycle: 1:1
Medium: M1880 (σ = 1.59 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(5, 5, 5); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body-Worn - PCS CDMA - Right Side of DUT (Antenna Side) - back side of DUT facing front of Carry Case
0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn - PCS CDMA - Right Side of DUT (Antenna Side) - back side of DUT facing front of Carry Case
0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.726 W/kg
SAR(1 g) = 0.451 mW/g; SAR(10 g) = 0.271 mW/g
Reference Value = 17.1 V/m
Power Drift = -0.0780 dB



Body-Worn SAR - PCS Band - CDMA Mode - Front Side of DUT - with Carry Case

Date Tested: 03/05/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

Body-Worn Accessories: Nylon Carry-Case (P/N: 54-0644-001), Ear-Microphone (Model: JABRA)

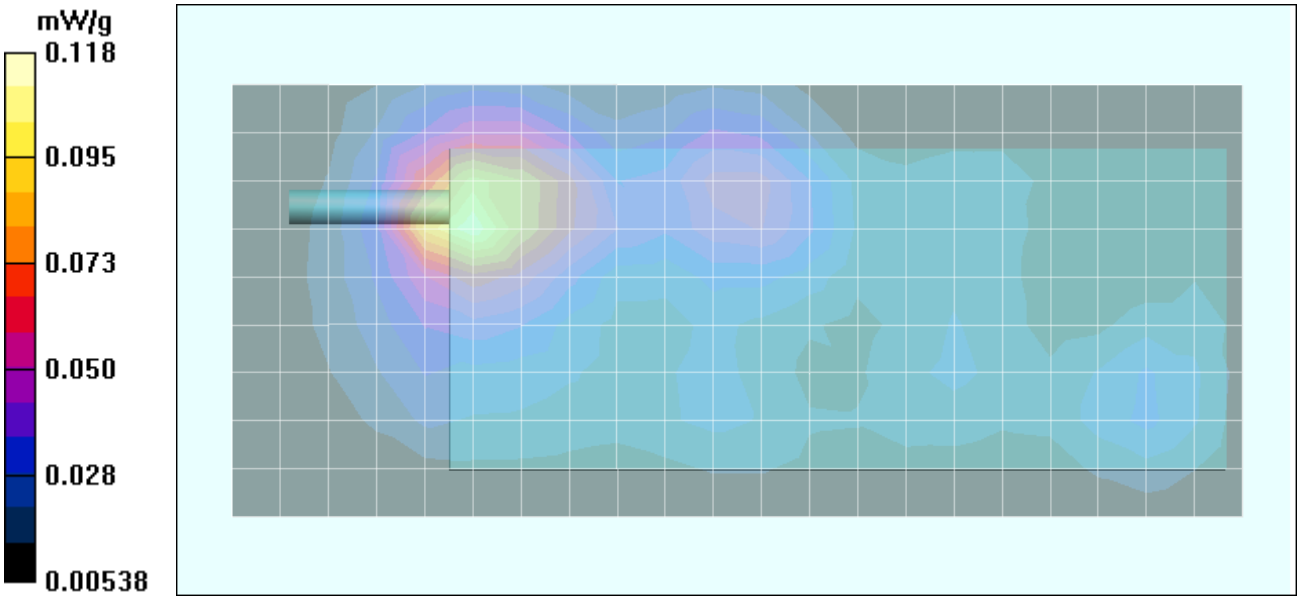
Ambient Temp: 24.8 °C; Fluid Temp: 21.7 °C; Barometric Pressure: 101.5 kPa; Humidity: 30%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: PCS CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 1880.00 MHz; Channel 600; Duty Cycle: 1:1
Medium: M1880 (σ = 1.59 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(5, 5, 5); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body-Worn - PCS CDMA - Front Side of DUT (LCD/Keypad Side) facing front of Carry Case & Planar Phantom
0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Area Scan (10x22x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn - PCS CDMA - Front Side of DUT (LCD/Keypad Side) facing front of Carry Case & Planar Phantom
0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.183 W/kg
SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.066 mW/g
Reference Value = 9.38 V/m
Power Drift = -0.0384 dB



Body-Worn SAR - PCS Band - CDMA Mode - Back Side of DUT - with Carry Case

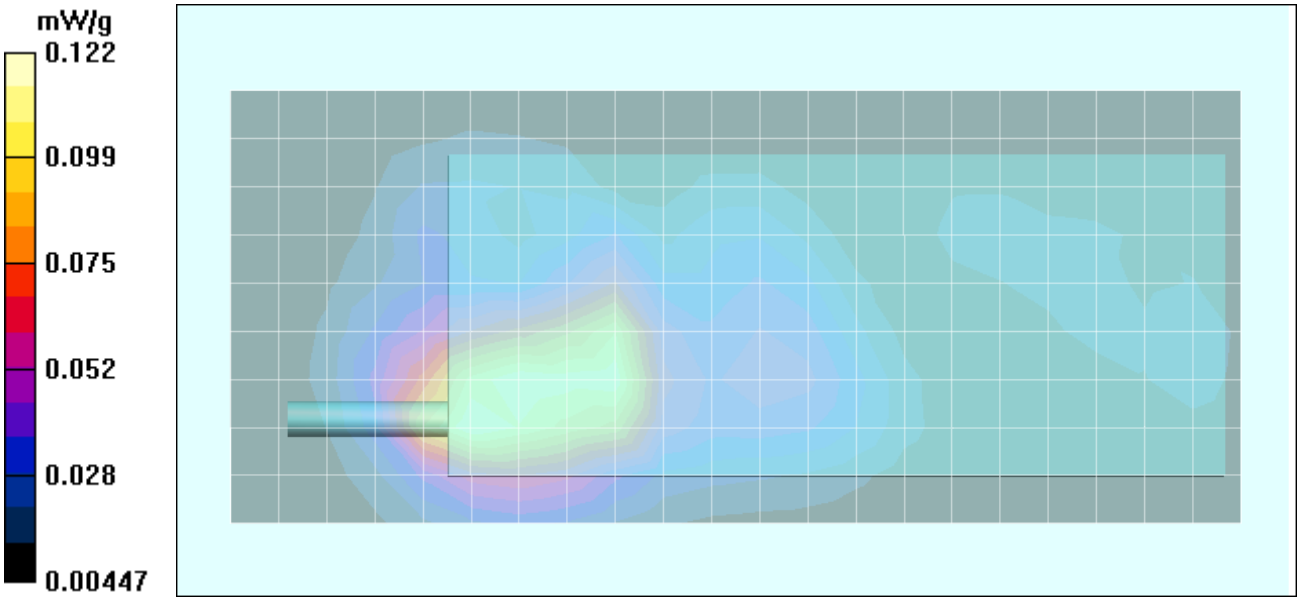
Date Tested: 03/05/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025
Body-Worn Accessories: Nylon Carry-Case (P/N: 54-0644-001), Ear-Microphone (Model: JABRA)

Ambient Temp: 24.8 °C; Fluid Temp: 21.7 °C; Barometric Pressure: 101.5 kPa; Humidity: 30%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: PCS CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 1880.00 MHz; Channel 600; Duty Cycle: 1:1
Medium: M1880 (σ = 1.59 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3)
- Probe: ET3DV6 - SN1590; ConvF(5, 5, 5); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body-Worn - PCS CDMA - Back Side of DUT (Battery Side) facing front of Carry Case & Planar Phantom
0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Area Scan (10x22x1): Measurement grid: dx=15mm, dy=15mm
Body-Worn - PCS CDMA - Back Side of DUT (Battery Side) facing front of Carry Case & Planar Phantom
0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.170 W/kg
SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.073 mW/g
Reference Value = 9.49 V/m
Power Drift = -0.149 dB
Body-Worn - PCS CDMA - Back Side of DUT (Battery Side) facing front of Carry Case & Planar Phantom
0.0 cm Separation Distance - Mid Channel - 1880.00 MHz
Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.167 W/kg
SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.073 mW/g
Reference Value = 9.49 V/m
Power Drift = -0.149 dB



Body SAR - PCS Band - CDMA Mode - Right Side of DUT (Antenna Side) Simultaneous Transmit with Co-located 802.11b Transmitter

Date Tested: 03/05/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

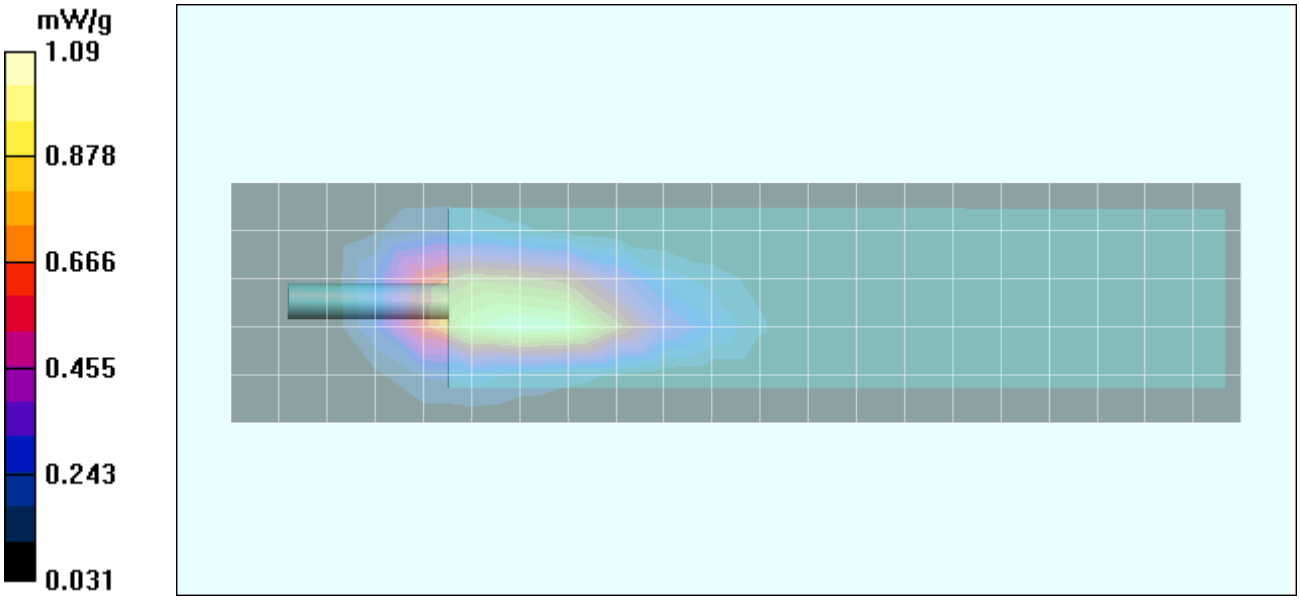
Ambient Temp: 24.8 °C; Fluid Temp: 21.7 °C; Barometric Pressure: 101.5 kPa; Humidity: 30%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: PCS CDMA
RF Output Power: 23.0 dBm (Conducted) CDMA
Frequency: 1851.25 MHz; Channel 25; Duty Cycle: 1:1
RF Output Power: 14.0 dBm (Peak Conducted) 802.11b
Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: M1880 (σ = 1.59 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(5, 5, 5); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - PCS CDMA & 802.11b - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance
Low Channel - 1851.25 MHz/Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body SAR - PCS CDMA & 802.11b - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance
Low Channel - 1851.25 MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.987 mW/g; SAR(10 g) = 0.570 mW/g
Reference Value = 27.1 V/m
Power Drift = -0.00869 dB



Body SAR - PCS Band - CDMA Mode - Right Side of DUT (Antenna Side) Simultaneous Transmit with Co-located 802.11b & Bluetooth Transmitters

Date Tested: 03/05/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

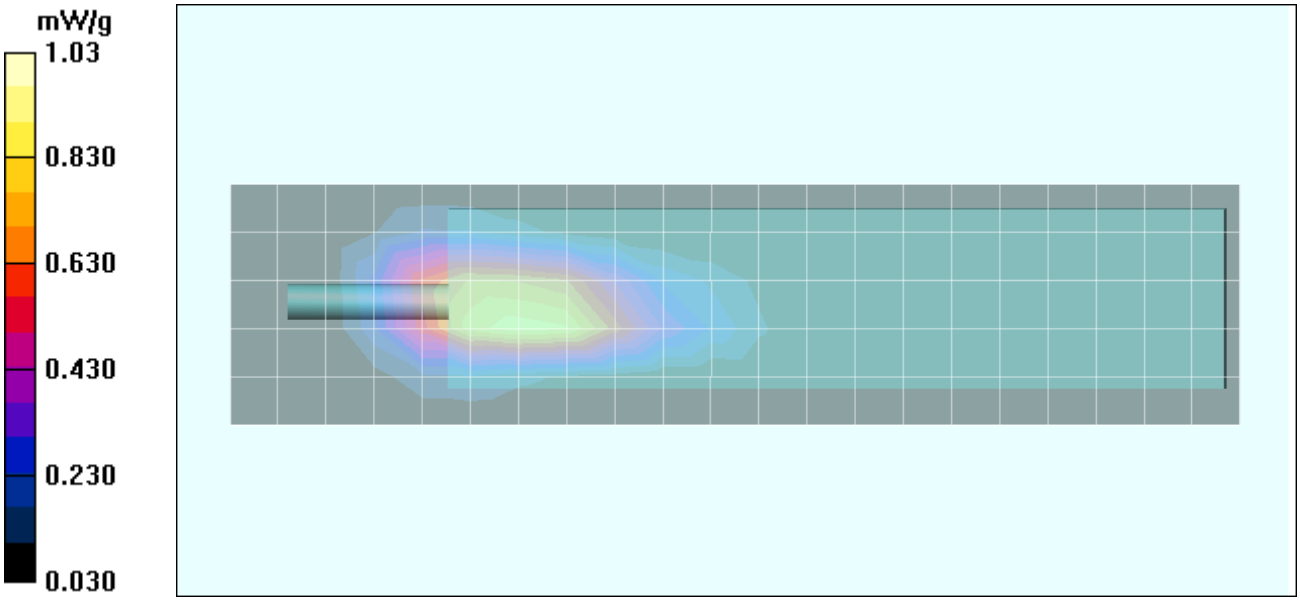
Ambient Temp: 24.8 °C; Fluid Temp: 21.7 °C; Barometric Pressure: 101.5 kPa; Humidity: 30%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: PCS CDMA
RF Output Power: 23.0 dBm (Conducted) CDMA
Frequency: 1851.25 MHz; Channel 25; Duty Cycle: 1:1
RF Output Power: 14.0 dBm (Peak Conducted) 802.11b
Frequency: 2437 MHz; Duty Cycle: 1:1
RF Output Power: 3.5 dBm (Peak Conducted) Bluetooth
Frequency: 2441 MHz; Duty Cycle: 1:1
Medium: M1880 (σ = 1.59 mho/m; ε_r = 52.2; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(5, 5, 5); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - PCS CDMA with 802.11b & Bluetooth - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance Low Channel - 1851.25 MHz/Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body SAR - PCS CDMA with 802.11b & Bluetooth - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance Low Channel - 1851.25 MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.931 mW/g; SAR(10 g) = 0.538 mW/g
Reference Value = 26.1 V/m
Power Drift = 0.122 dB



Body SAR - Cellular Band - CDMA Mode - Back Side of DUT (Lap-held)

Date Tested: 03/08/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

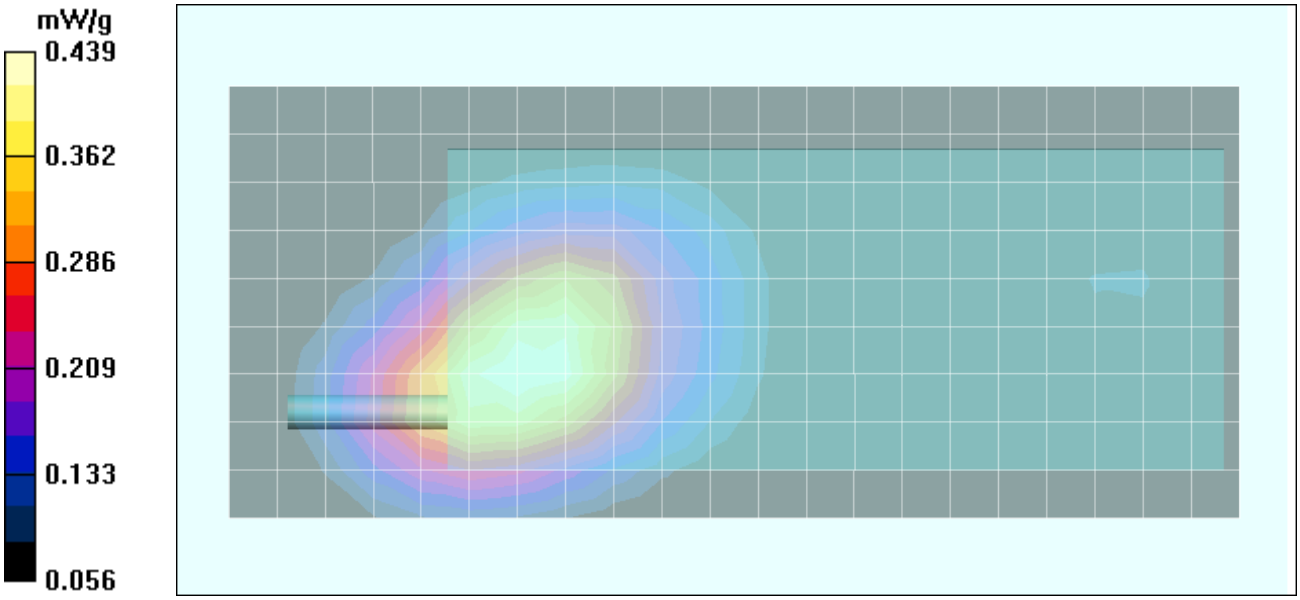
Ambient Temp: 23.9 °C; Fluid Temp: 22.4 °C; Barometric Pressure: 103.4 kPa; Humidity: 39%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: Cellular CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
Medium: M835 (σ = 0.98 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(6.8, 6.8, 6.8); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - Cellular CDMA - Back Side of DUT (Battery Side) - 0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Area Scan (10x22x1): Measurement grid: dx=15mm, dy=15mm

Body SAR - Cellular CDMA - Back Side of DUT (Battery Side) - 0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.549 W/kg
SAR(1 g) = 0.415 mW/g; SAR(10 g) = 0.304 mW/g
Reference Value = 20.5 V/m
Power Drift = 0.00 dB



Body SAR - Cellular Band - CDMA Mode - Right Side of DUT (Antenna Side)

Date Tested: 03/08/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

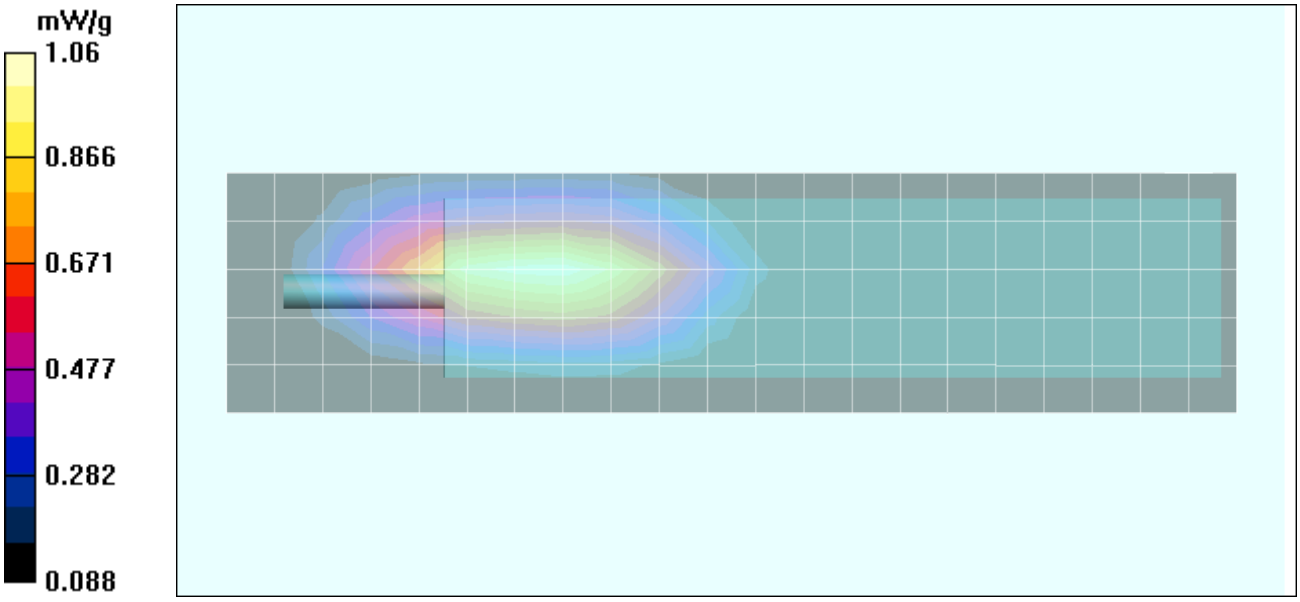
Ambient Temp: 23.9 °C; Fluid Temp: 22.4 °C; Barometric Pressure: 103.4 kPa; Humidity: 39%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: Cellular CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
Medium: M835 (σ = 0.98 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3)

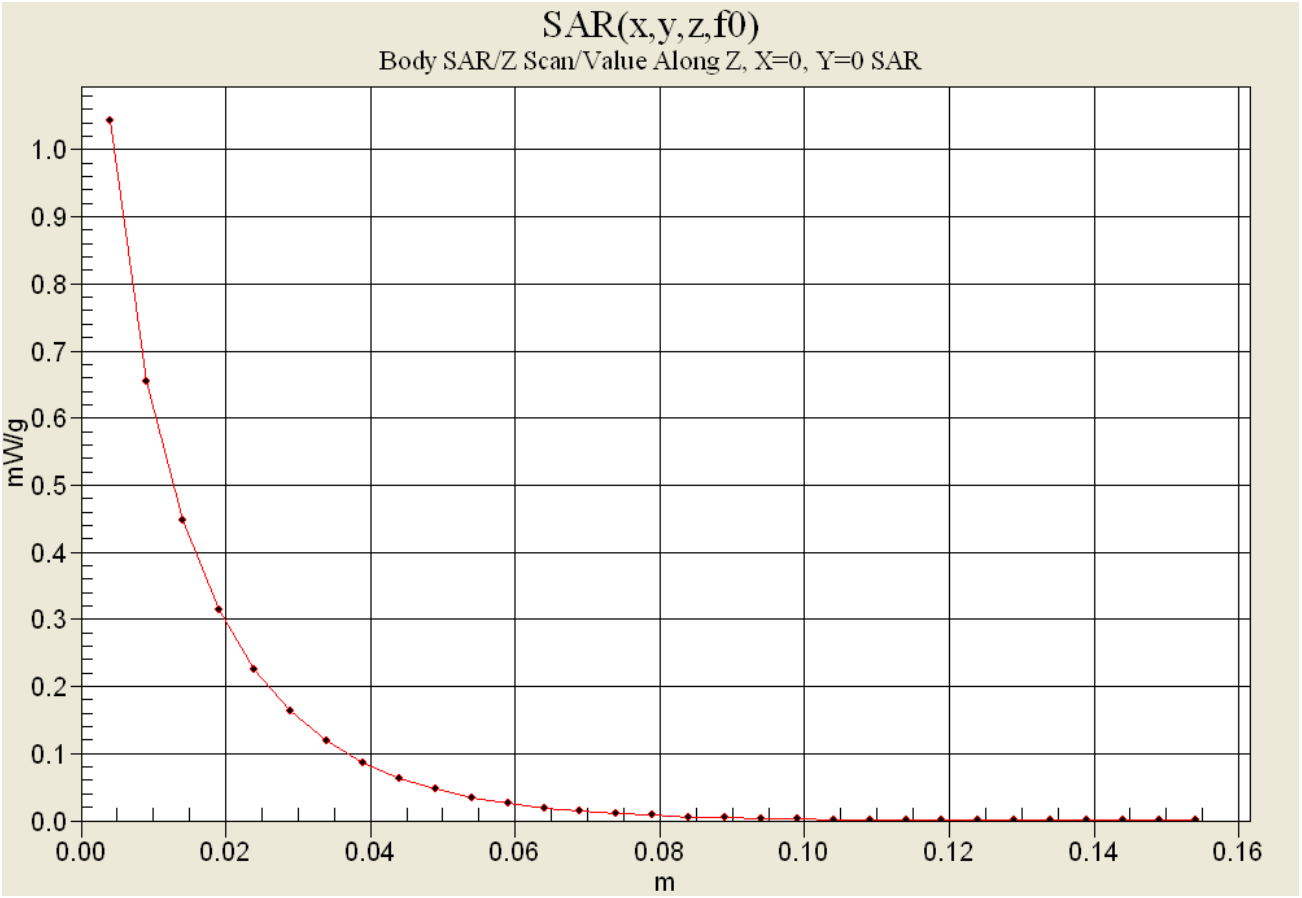
- Probe: ET3DV6 - SN1590; ConvF(6.8, 6.8, 6.8); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - Cellular CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body SAR - Cellular CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.992 mW/g; SAR(10 g) = 0.636 mW/g
Reference Value = 30.9 V/m
Power Drift = -0.0500 dB



Z-Axis Scan


SAR(x,y,z,f0)
Body SAR/Z Scan/Value Along Z, X=0, Y=0 SAR
mW/g
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

Body SAR - Cellular Band - CDMA Mode - Right Side of DUT (Antenna Side)

Date Tested: 03/08/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

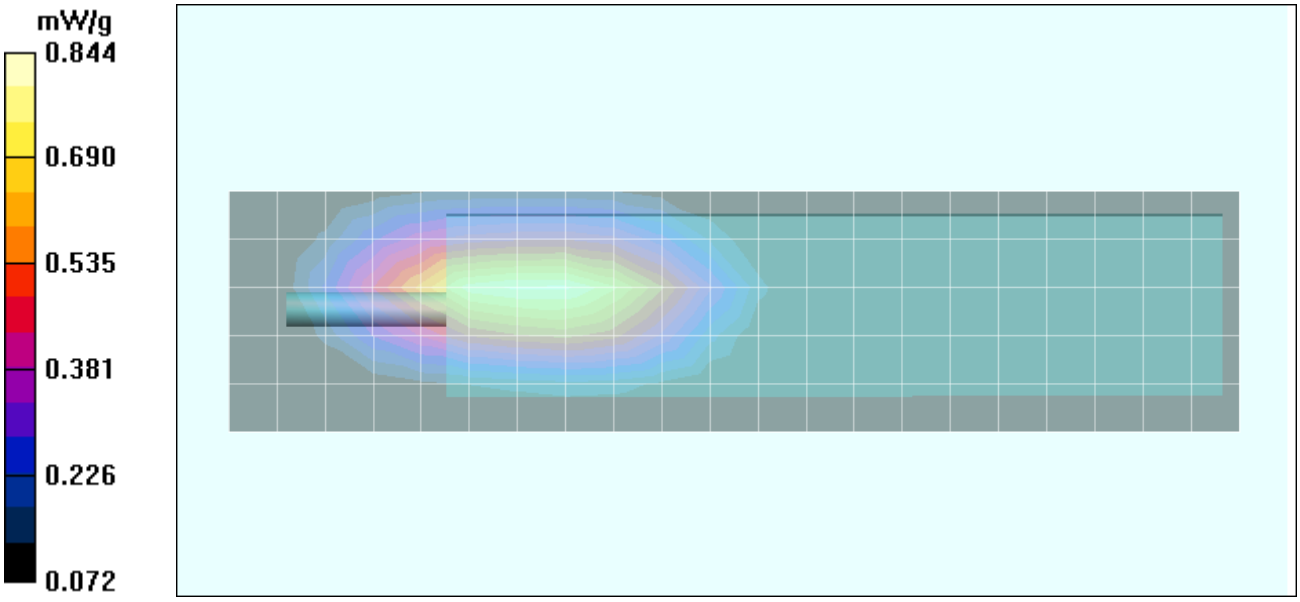
Ambient Temp: 23.9 °C; Fluid Temp: 22.4 °C; Barometric Pressure: 103.4 kPa; Humidity: 39%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: Cellular CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 824.70 MHz; Channel 1013; Duty Cycle: 1:1
Medium: M835 (σ = 0.98 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(6.8, 6.8, 6.8); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - Cellular CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - Low Channel - 824.70 MHz
Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body SAR - Cellular CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - Low Channel - 824.70 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.506 mW/g
Reference Value = 28 V/m
Power Drift = -0.0100 dB



Body SAR - Cellular Band - CDMA Mode - Right Side of DUT (Antenna Side)

Date Tested: 03/08/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

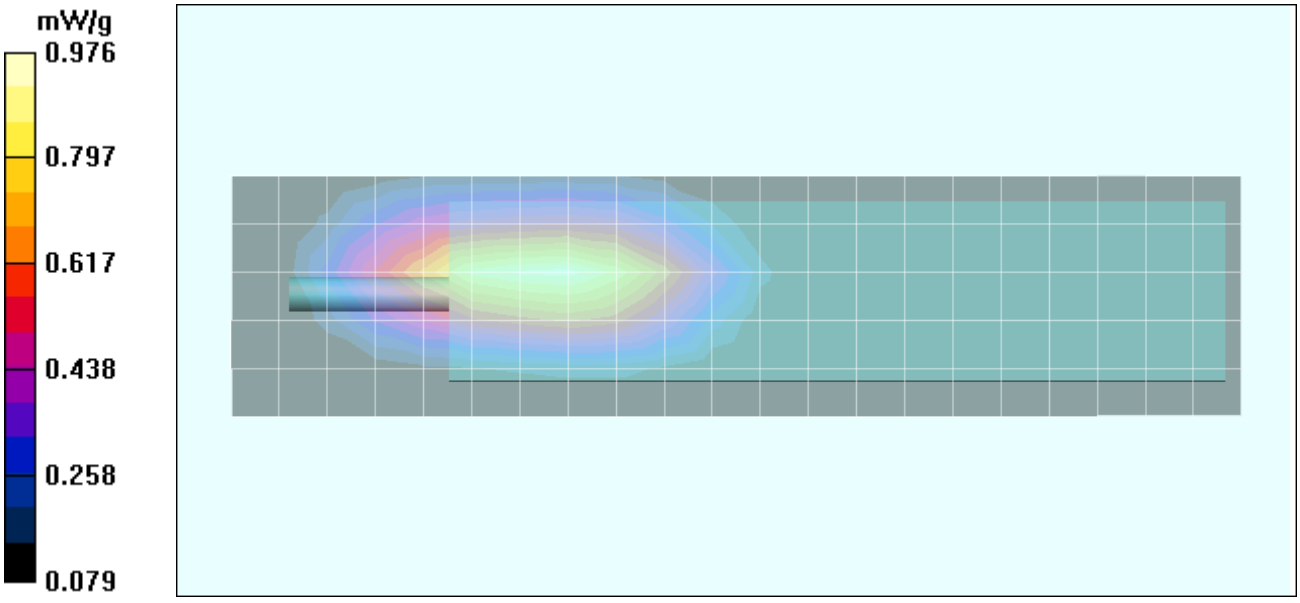
Ambient Temp: 23.9 °C; Fluid Temp: 22.4 °C; Barometric Pressure: 103.4 kPa; Humidity: 39%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: Cellular CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 848.31 MHz; Channel 777; Duty Cycle: 1:1
Medium: M835 (σ = 0.98 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(6.8, 6.8, 6.8); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - Cellular CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - High Channel - 848.31 MHz
Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body SAR - Cellular CDMA - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance - High Channel - 848.31 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.584 mW/g
Reference Value = 29.7 V/m
Power Drift = -0.0300 dB



Body-Worn SAR - Cellular Band - CDMA Mode - Right Side of DUT (Antenna Side) - with Carry Case

Date Tested: 03/08/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

Body-Worn Accessories: Nylon Carry-Case (P/N: 54-0644-001), Ear-Microphone (Model: JABRA)

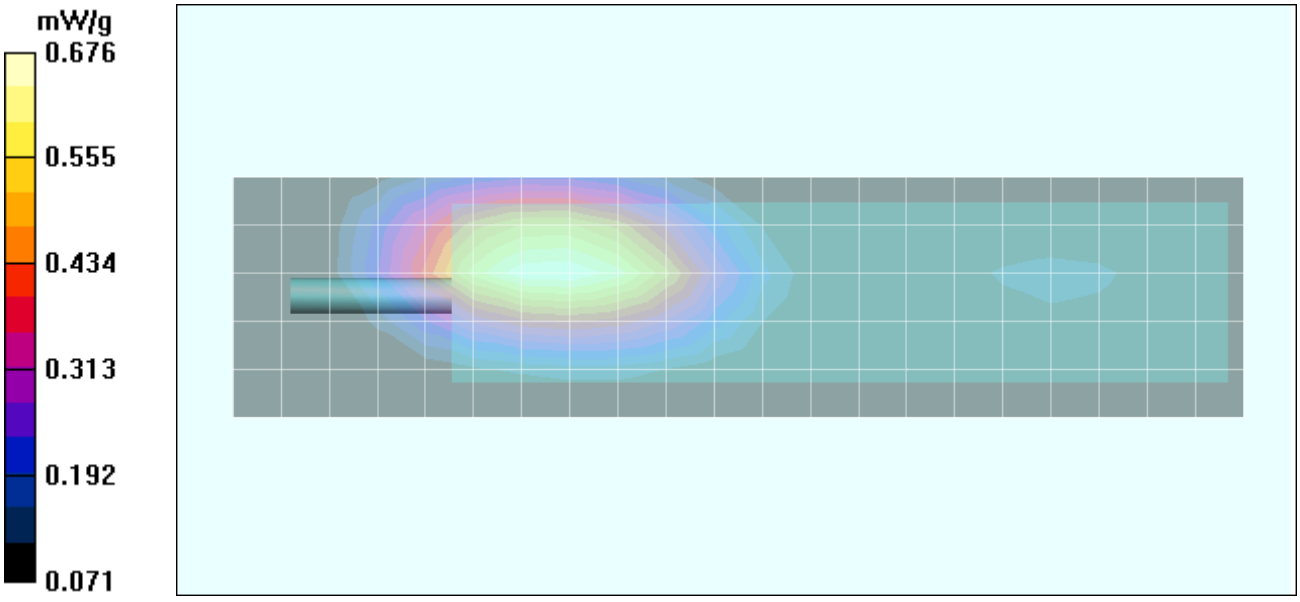
Ambient Temp: 23.9 °C; Fluid Temp: 22.4 °C; Barometric Pressure: 103.4 kPa; Humidity: 39%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: Cellular CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
Medium: M835 (σ = 0.98 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(6.8, 6.8, 6.8); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body-Worn - Cellular CDMA - Right Side of DUT (Antenna Side) - front side of DUT facing front of Carry Case
0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn - Cellular CDMA - Right Side of DUT (Antenna Side) - front side of DUT facing front of Carry Case
0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.875 W/kg
SAR(1 g) = 0.634 mW/g; SAR(10 g) = 0.435 mW/g
Reference Value = 22.7 V/m
Power Drift = -0.100 dB



Body-Worn SAR - Cellular Band - CDMA Mode - Right Side of DUT (Antenna Side) - with Carry Case

Date Tested: 03/08/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

Body-Worn Accessories: Nylon Carry-Case (P/N: 54-0644-001), Ear-Microphone (Model: JABRA)

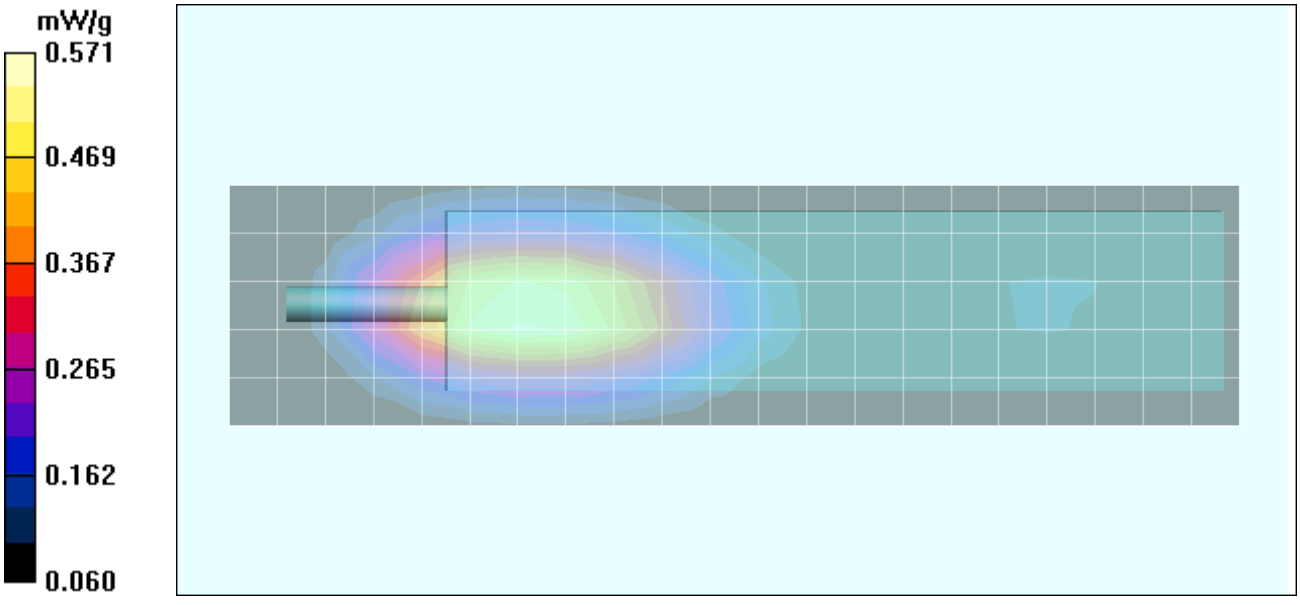
Ambient Temp: 23.9 °C; Fluid Temp: 22.4 °C; Barometric Pressure: 103.4 kPa; Humidity: 39%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: Cellular CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
Medium: M835 (σ = 0.98 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(6.8, 6.8, 6.8); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body-Worn - Cellular CDMA - Right Side of DUT (Antenna Side) - back side of DUT facing front of Carry Case
0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn - Cellular CDMA - Right Side of DUT (Antenna Side) - back side of DUT facing front of Carry Case
0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.734 W/kg
SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.368 mW/g
Reference Value = 23.7 V/m
Power Drift = -0.0869 dB



Body-Worn SAR - Cellular Band - CDMA Mode - Front Side of DUT - with Carry Case

Date Tested: 03/08/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

Body-Worn Accessories: Nylon Carry-Case (P/N: 54-0644-001), Ear-Microphone (Model: JABRA)

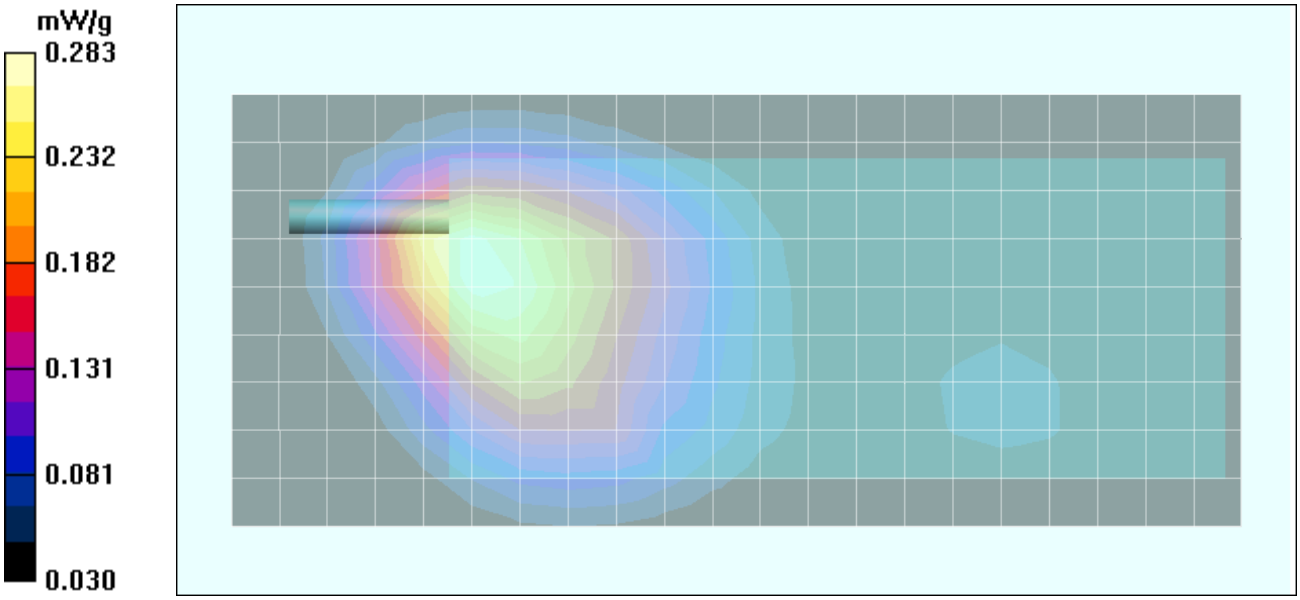
Ambient Temp: 23.9 °C; Fluid Temp: 22.4 °C; Barometric Pressure: 103.4 kPa; Humidity: 39%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: Cellular CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
Medium: M835 (σ = 0.98 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(6.8, 6.8, 6.8); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body-Worn - Cellular CDMA - Front Side of DUT (LCD/Keypad Side) facing front of Carry Case & Planar Phantom 0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Area Scan (10x22x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn - Cellular CDMA - Front Side of DUT (LCD/Keypad Side) facing front of Carry Case & Planar Phantom 0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.353 W/kg
SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.190 mW/g
Reference Value = 16.5 V/m
Power Drift = -0.0300 dB



Body-Worn SAR - Cellular Band - CDMA Mode - Back Side of DUT - with Carry Case

Date Tested: 03/08/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

Body-Worn Accessories: Nylon Carry-Case (P/N: 54-0644-001), Ear-Microphone (Model: JABRA)

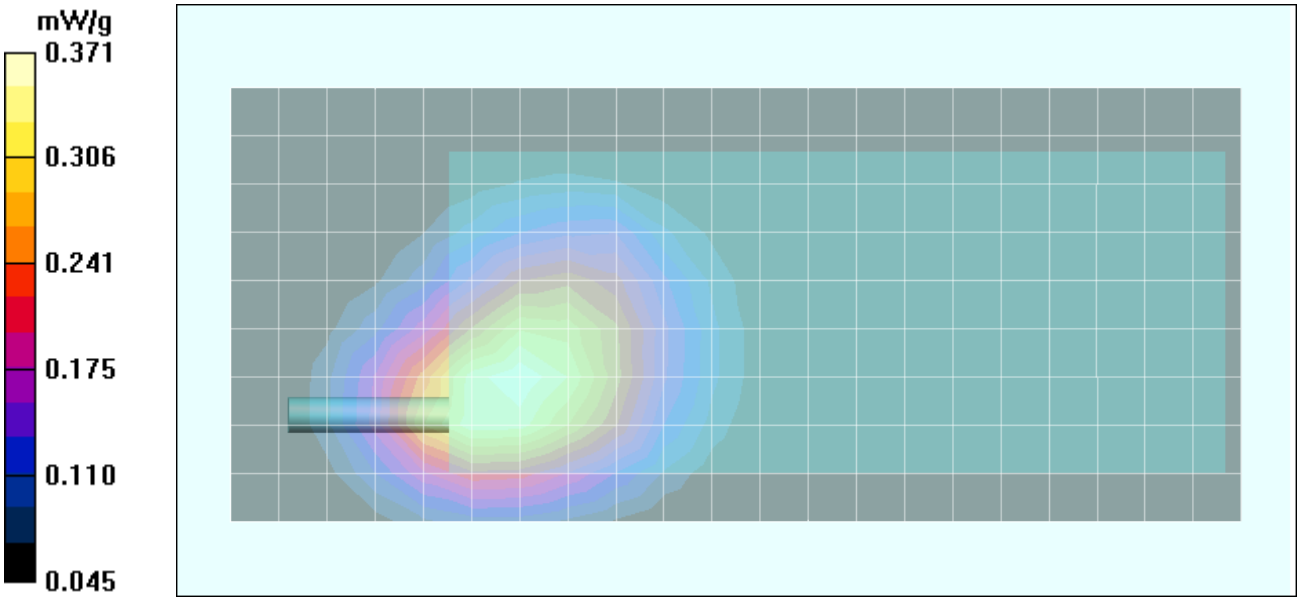
Ambient Temp: 23.9 °C; Fluid Temp: 22.4 °C; Barometric Pressure: 103.4 kPa; Humidity: 39%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: Cellular CDMA
RF Output Power: 23.0 dBm (Conducted)
Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
Medium: M835 (σ = 0.98 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(6.8, 6.8, 6.8); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))
Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body-Worn - Cellular CDMA - Back Side of DUT (Battery Side) facing front of Carry Case & Planar Phantom
0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Area Scan (10x22x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn - Cellular CDMA - Back Side of DUT (Battery Side) facing front of Carry Case & Planar Phantom
0.0 cm Separation Distance - Mid Channel - 835.89 MHz
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 0.462 W/kg
SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.251 mW/g
Reference Value = 19.5 V/m
Power Drift = -0.0400 dB



Body SAR - Cellular Band - CDMA Mode - Right Side of DUT (Antenna Side) Simultaneous Transmit with Co-located 802.11b Transmitter

Date Tested: 03/08/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

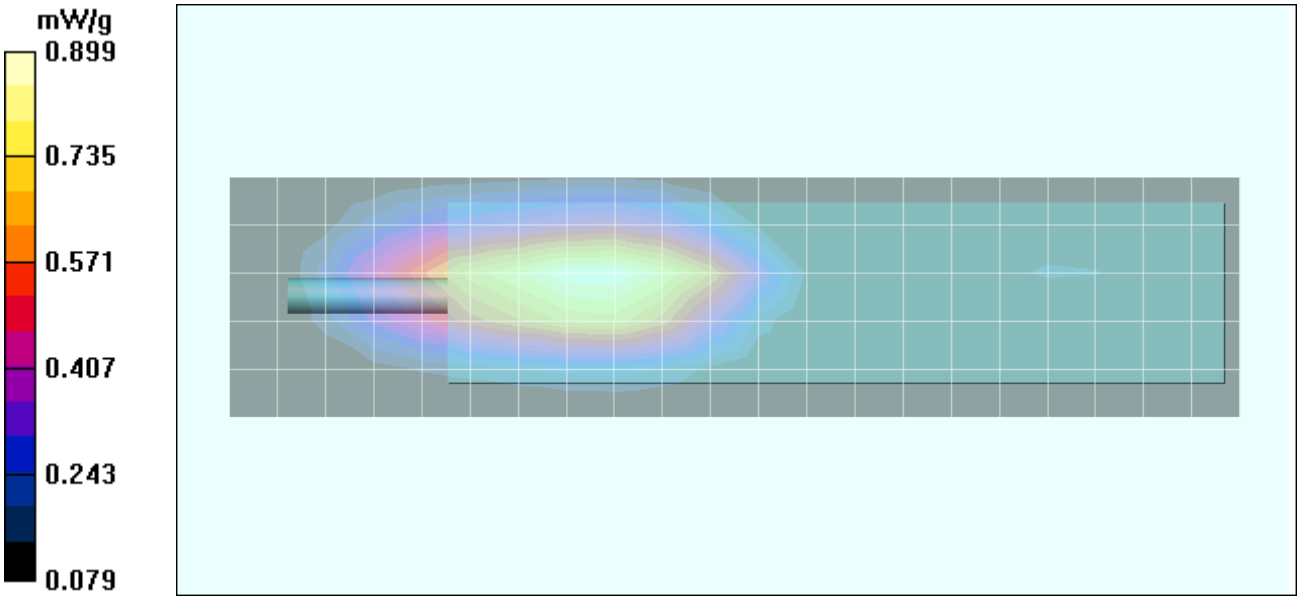
Ambient Temp: 23.9 °C; Fluid Temp: 22.4 °C; Barometric Pressure: 103.4 kPa; Humidity: 39%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: Cellular CDMA
RF Output Power: 23.0 dBm (Conducted) CDMA
Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
RF Output Power: 14.0 dBm (Peak Conducted) 802.11b
Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: M835 (σ = 0.98 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3)

- Probe: ET3DV6 - SN1590; ConvF(6.8, 6.8, 6.8); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - Cellular CDMA & 802.11b - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance
Mid Channel - 835.89 MHz/Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm

Body SAR - Cellular CDMA & 802.11b - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance
Mid Channel - 835.89 MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.840 mW/g; SAR(10 g) = 0.545 mW/g
Reference Value = 27.6 V/m
Power Drift = -0.0100 dB



Body SAR - Cellular Band - CDMA Mode - Right Side of DUT (Antenna Side) Simultaneous Transmit with Co-located 802.11b & Bluetooth Transmitters

Date Tested: 03/08/04

DUT: Itronix Model: IX100x; Type: Handheld PC with Dual-Band CDMA & 802.11b/Bluetooth; Serial: 510495001-U5103-0025

Ambient Temp: 23.9 °C; Fluid Temp: 22.4 °C; Barometric Pressure: 103.4 kPa; Humidity: 39%

7.4V, 3.0Ah Li-ion Battery Pack
Communication System: Cellular CDMA
RF Output Power: 23.0 dBm (Conducted) CDMA
Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
RF Output Power: 14.0 dBm (Peak Conducted) 802.11b
Frequency: 2437 MHz; Duty Cycle: 1:1
RF Output Power: 3.5 dBm (Peak Conducted) Bluetooth
Frequency: 2441 MHz; Duty Cycle: 1:1
Medium: M835 (σ = 0.98 mho/m; ε_r = 53.7; ρ = 1000 kg/m^3)
- Probe: ET3DV6 - SN1590; ConvF(6.8, 6.8, 6.8); Calibrated: 15/05/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 19/12/2003
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 94

Body SAR - Cellular CDMA with 802.11b & Bluetooth - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance Mid Channel - 835.89 MHz/Area Scan (6x22x1): Measurement grid: dx=15mm, dy=15mm
Body SAR - Cellular CDMA with 802.11b & Bluetooth - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance Mid Channel - 835.89 MHz/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.36 W/kg
SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.540 mW/g
Reference Value = 27.4 V/m
Power Drift = 0.0200 dB
Body SAR - Cellular CDMA with 802.11b & Bluetooth - Right Side of DUT (Antenna Side) - 0.0 cm Separation Distance Mid Channel - 835.89 MHz/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.408 mW/g
Reference Value = 27.4 V/m
Power Drift = 0.0200 dB