

Test Report S/N:	101403-439KBC
Test Date(s):	October 28-31, 2003
Test Type:	FCC/IC SAR Evaluation

APPENDIX A - SAR MEASUREMENT DATA

Date Tested: 10/28/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869

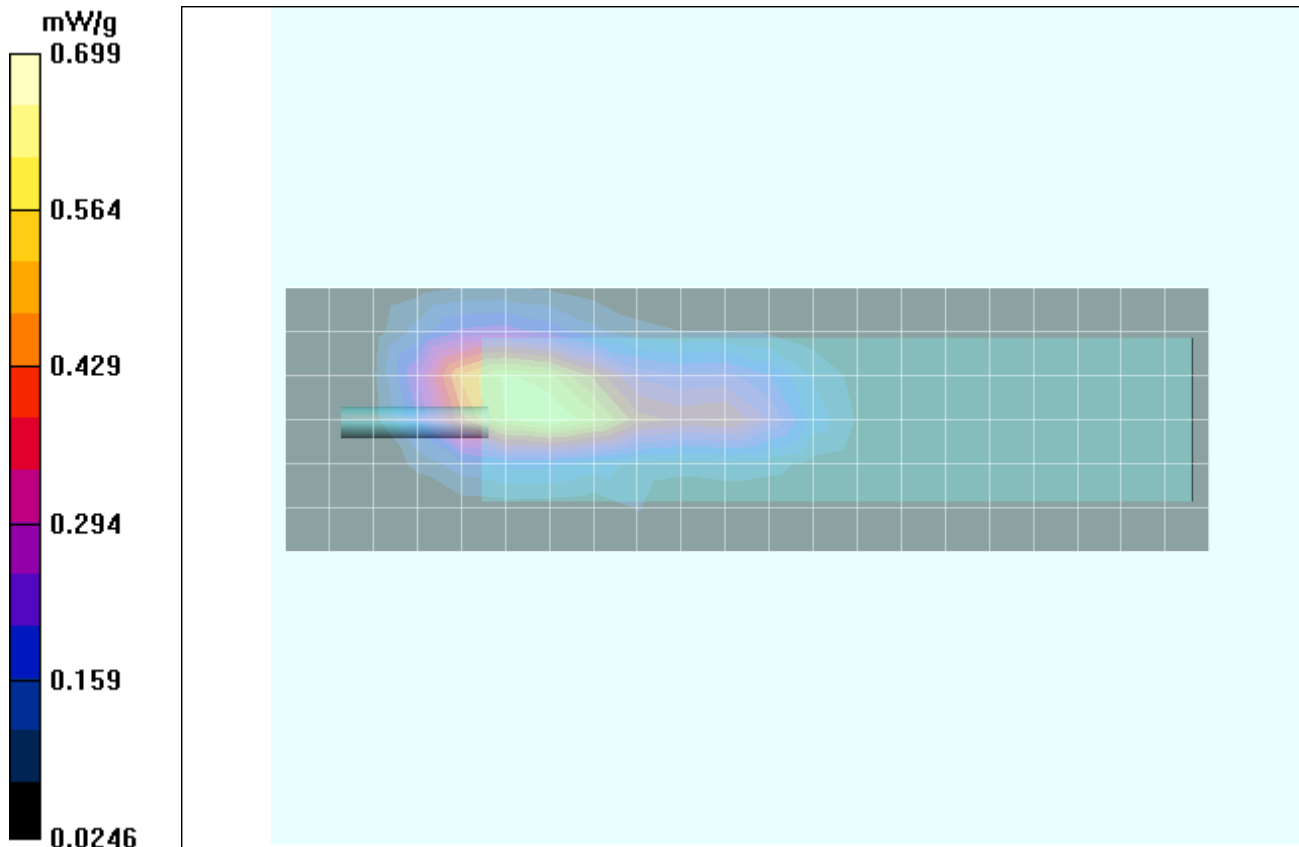
Ambient Temp: 22.5°C; Fluid Temp: 21.3°C Barometric Pressure: 100.2 kPa; Humidity: 55%

7.4V Lithium-ion Battery
 Communication System: PCS CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1
 Medium: M1880 ($\sigma = 1.57$ mho/m, $\epsilon_r = 52.4$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 21/02/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Right Side - Mid Channel - 0.5 cm Separation Distance/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Right Side - Mid Channel - 0.5 cm Separation Distance/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.646 mW/g; SAR(10 g) = 0.388 mW/g
 Reference Value = 11.7 V/m



Date Tested: 10/28/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C Barometric Pressure: 100.2 kPa; Humidity: 55%

7.4V Lithium-ion Battery
 Communication System: PCS CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1
 Medium: M1880 ($\sigma = 1.57$ mho/m, $\epsilon_r = 52.4$, $\rho = 1000$ kg/m³)

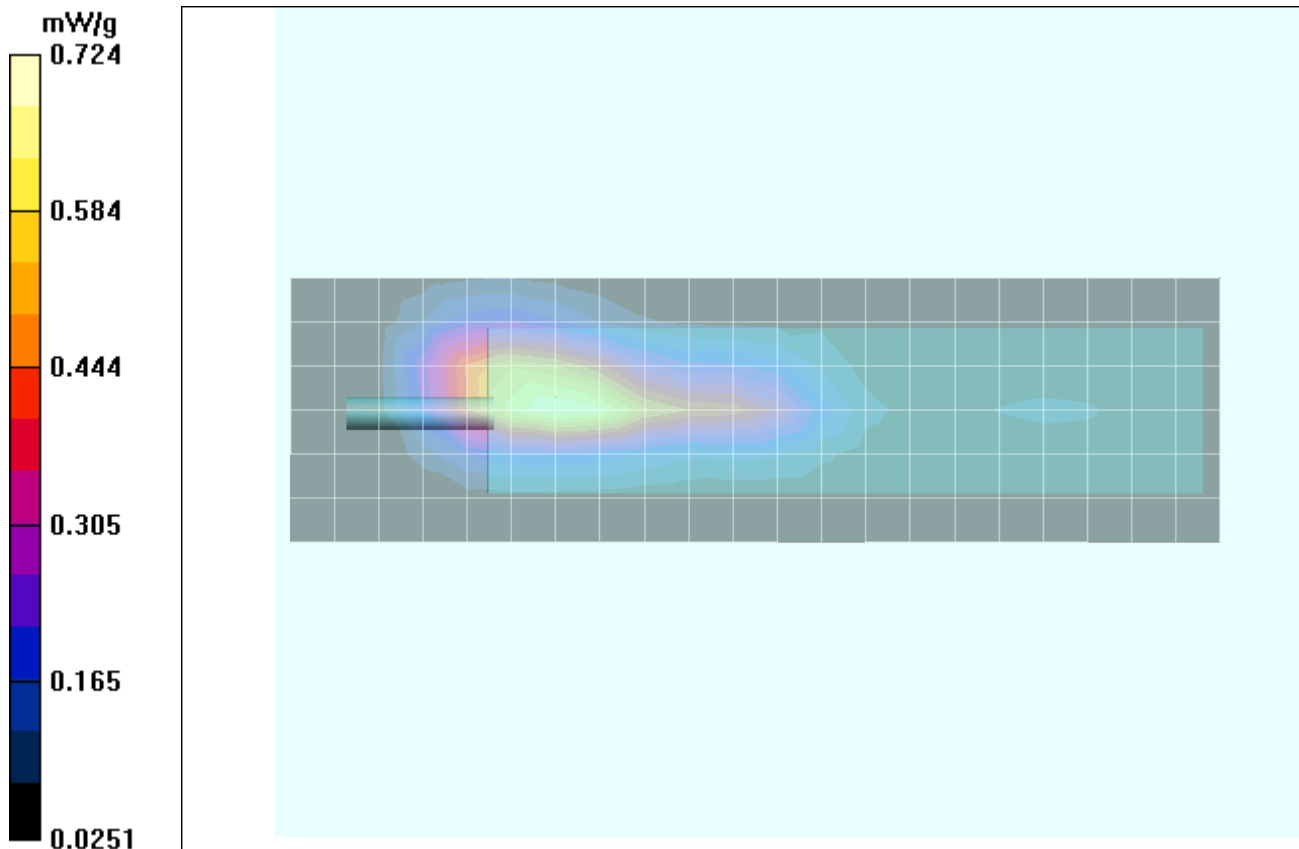
- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 21/02/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha Numeric Keypad Unit - Right Side - Mid Channel - 0.5 cm Separation Distance/Area Scan (7x22x1):

Measurement grid: dx=15mm, dy=15mm

Alpha Numeric Keypad Unit - Right Side - Mid Channel - 0.5 cm Separation Distance/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.667 mW/g; SAR(10 g) = 0.399 mW/g
 Reference Value = 13.7 V/m



Date Tested: 10/28/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C Barometric Pressure: 100.2 kPa; Humidity: 55%

7.4V Lithium-ion Battery

Communication System: PCS CDMA

RF Output Power: 23.0 dBm (Conducted)

Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1

Medium: M1880 ($\sigma = 1.57$ mho/m, $\epsilon_r = 52.4$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn353; Calibrated: 21/02/2003

- Phantom: Planar; Type: Barski Industries; Serial: 03-01

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit- Back Side - Mid Channel/Area Scan (9x22x1): Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit- Back Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.608 W/kg

SAR(1 g) = 0.375 mW/g; SAR(10 g) = 0.211 mW/g

Reference Value = 7.26 V/m

Numeric Keypad Unit- Back Side - Mid Channel/Zoom Scan (7x7x7)/Cube 1:

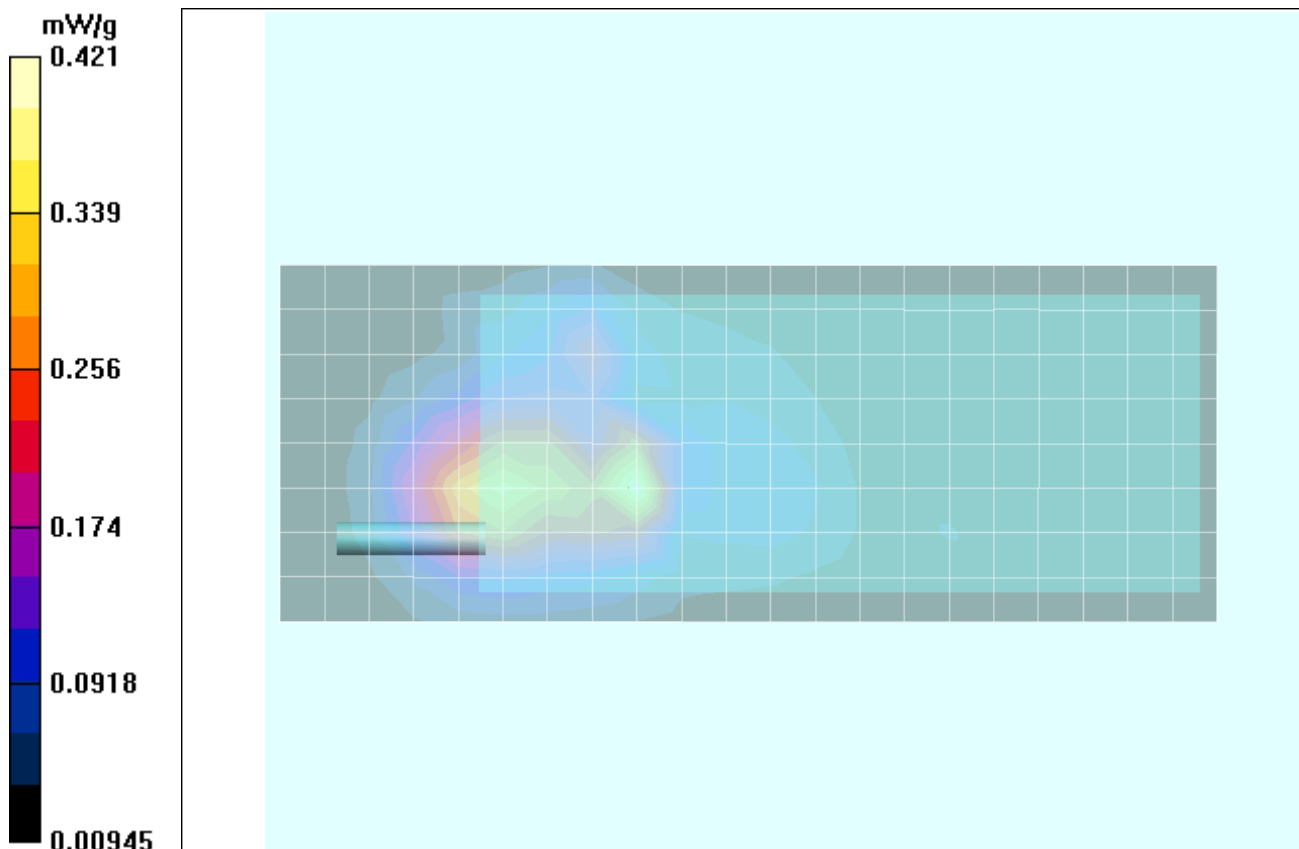
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.474 W/kg

SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.205 mW/g

Reference Value = 7.26 V/m

0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/28/03

DUT: Itronix Model IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C Barometric Pressure: 100.2 kPa; Humidity: 55%

7.4V Lithium-ion Battery

Communication System: PCS CDMA

RF Output Power: 23.0 dBm (Conducted)

Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1

Medium: M1880 ($\sigma = 1.57 \text{ mho/m}$, $\epsilon_r = 52.4$, $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn353; Calibrated: 21/02/2003

- Phantom: Planar; Type: Barski Industries; Serial: 03-01

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha Numeric Keypad Unit - Back Side - Mid Channel/Area Scan (9x22x1): Measurement grid: dx=15mm, dy=15mm

Alpha Numeric Keypad Unit - Back Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.571 W/kg

SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.244 mW/g

Reference Value = 7.31 V/m

Alpha Numeric Keypad Unit - Back Side - Mid Channel/Zoom Scan (7x7x7)/Cube 1:

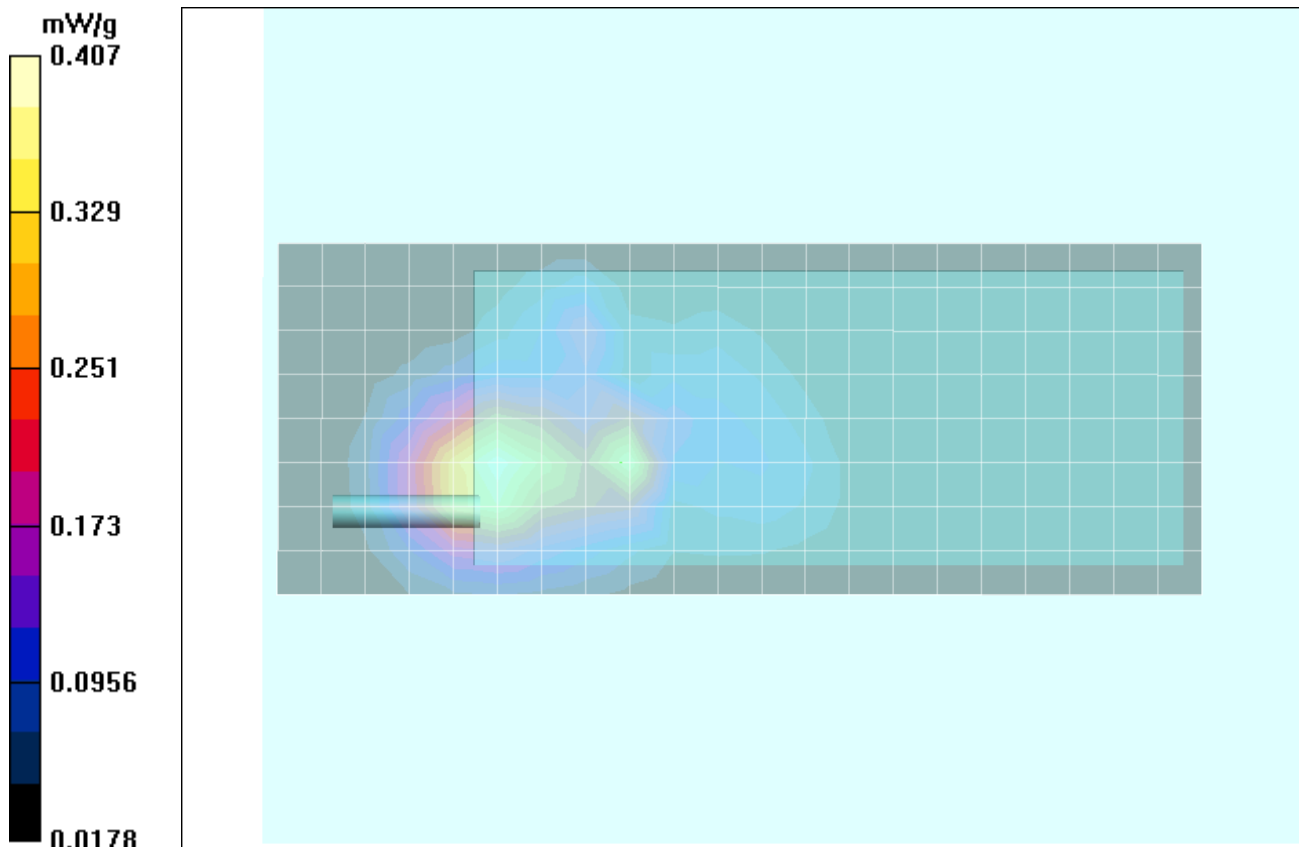
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.596 W/kg

SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.208 mW/g

Reference Value = 7.31 V/m

0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/28/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing front of case), Ear-Microphone

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 100.2 kPa; Humidity: 55%

7.4V Lithium-ion Battery
 Communication System: PCS CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1
 Medium: M1880 ($\sigma = 1.57$ mho/m, $\epsilon_r = 52.4$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 21/02/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

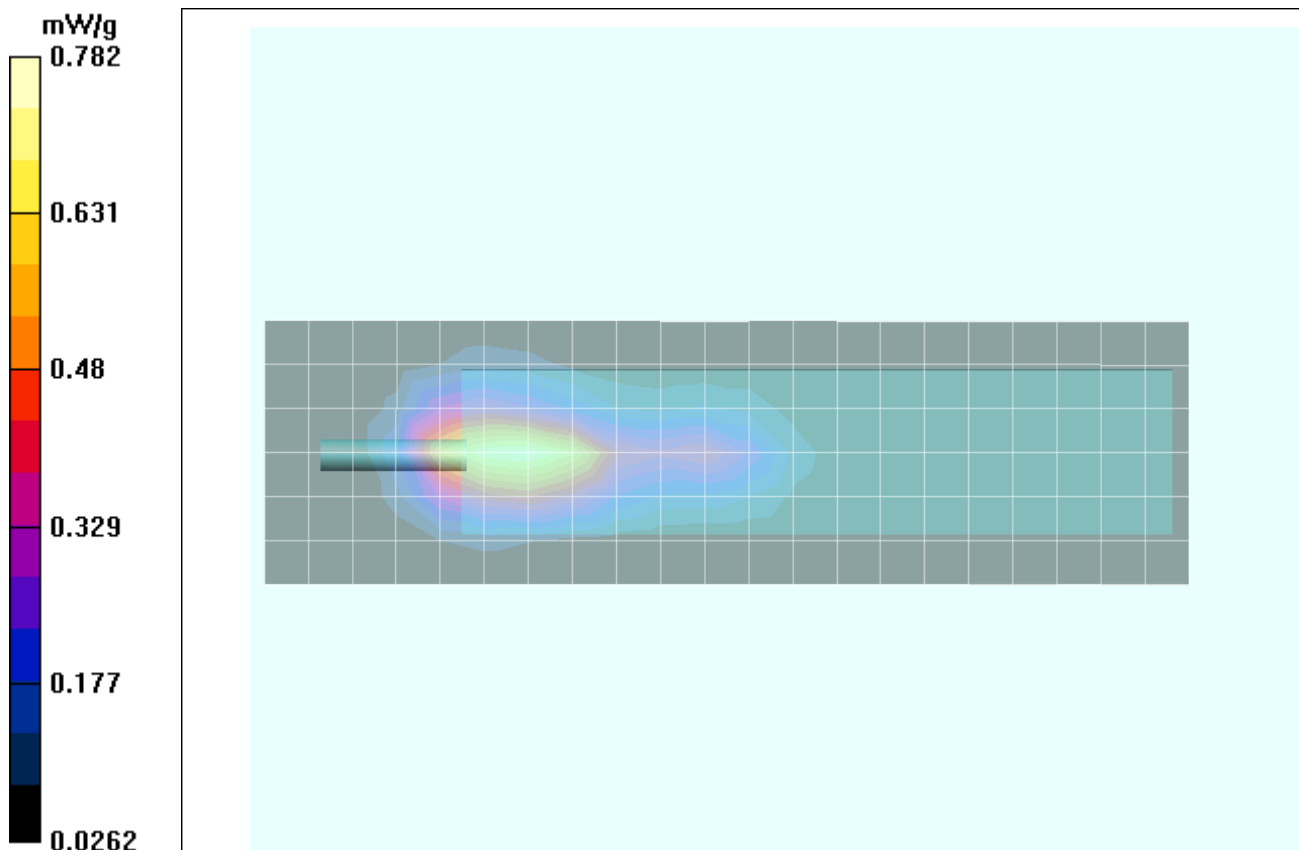
Numeric Keypad Unit - Right Side - Mid Channel - 0 mm/Area Scan (7x22x1):

Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Right Side - Mid Channel - 0 mm/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.722 mW/g; SAR(10 g) = 0.425 mW/g
 Reference Value = 8.87 V/m

0.0 cm Separation Distance to Planar Phantom



Dated Tested: 10/28/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295
Body-worn Accessories: Carry-Case (DUT keypad side facing front of case), Ear-Microphone

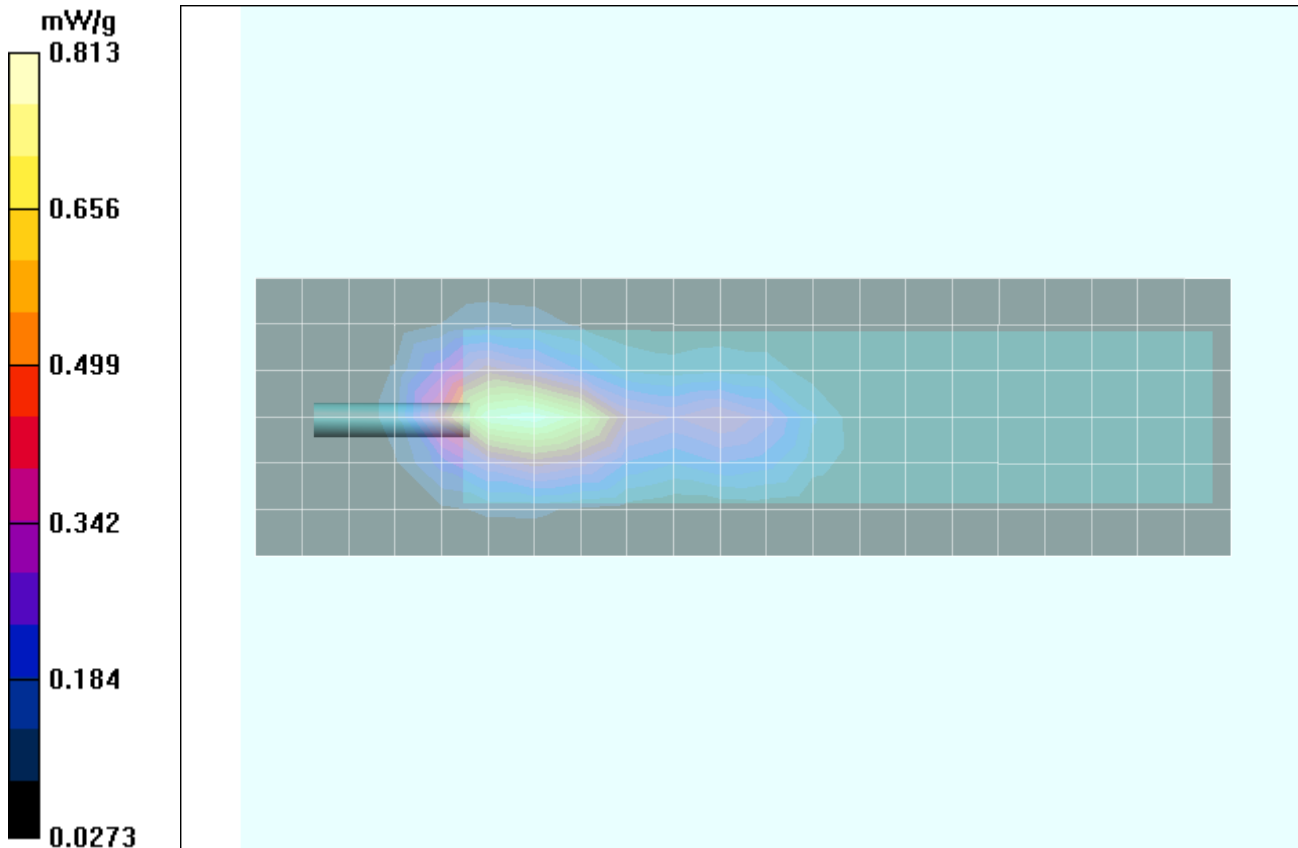
Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 100.2 kPa; Humidity: 55%

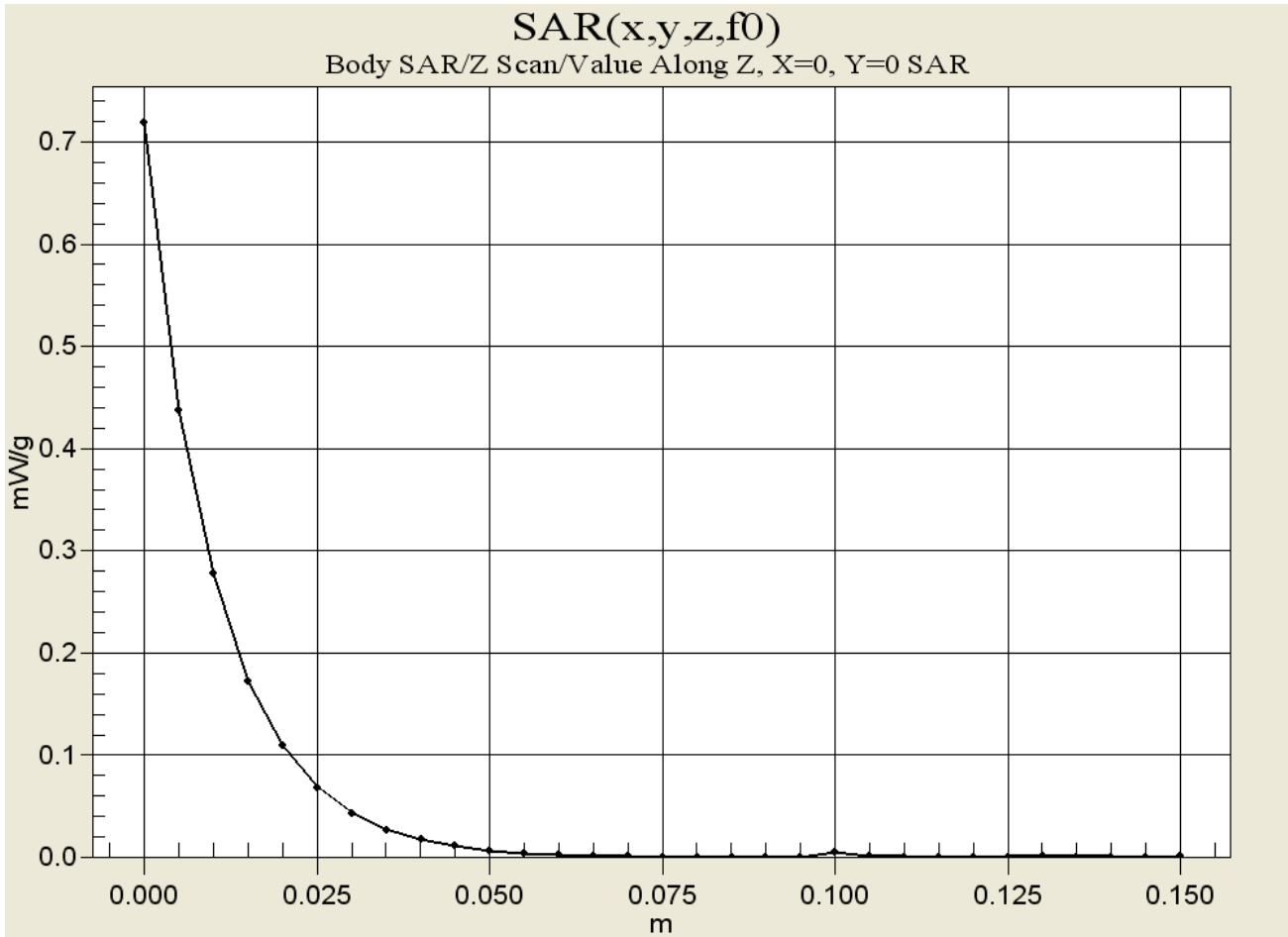
7.4V Lithium-ion Battery
 Communication System: PCS CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1
 Medium: M1880 ($\sigma = 1.57$ mho/m, $\epsilon_r = 52.4$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 21/02/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha Numeric Keypad Unit - Right Side - Mid Channel - 0 mm/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm

Alpha Numeric Keypad Unit - Right Side - Mid Channel - 0 mm/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.19 W/kg
SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.445 mW/g
 Reference Value = 10.1 V/m
0.0 cm Separation Distance to Planar Phantom





Date Tested: 10/28/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869

Body-worn Accessories: Carry-Case (DUT keypad side facing front of case), Ear-Microphone

Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 100.2 kPa; Humidity: 55%

7.4V Lithium-ion Battery

Communication System: PCS CDMA

RF Output Power: 23.0 dBm (Conducted)

Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1

Medium: M1880 ($\sigma = 1.57$ mho/m, $\epsilon_r = 52.4$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn353; Calibrated: 21/02/2003

- Phantom: Planar; Type: Barski Industries; Serial: 03-01

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Front Side - Mid Channel/Area Scan (9x22x1): Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Front Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.402 W/kg

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.132 mW/g

Reference Value = 5.57 V/m

Numeric Keypad Unit - Front Side - Mid Channel/Zoom Scan (7x7x7)/Cube 1:

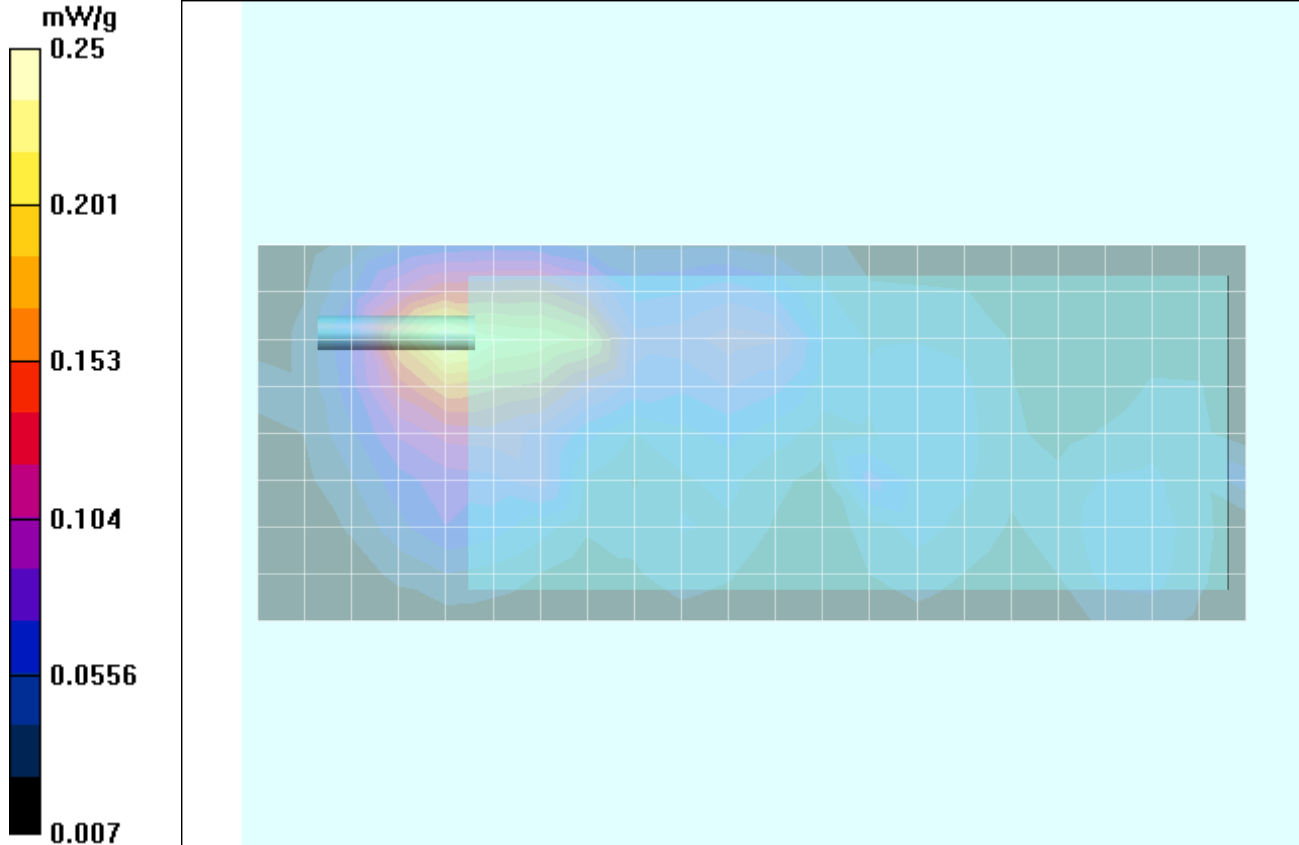
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.116 mW/g

Reference Value = 5.57 V/m

0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/28/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295
Body-worn Accessories: Carry-Case (DUT keypad side facing front of case), Ear-Microphone

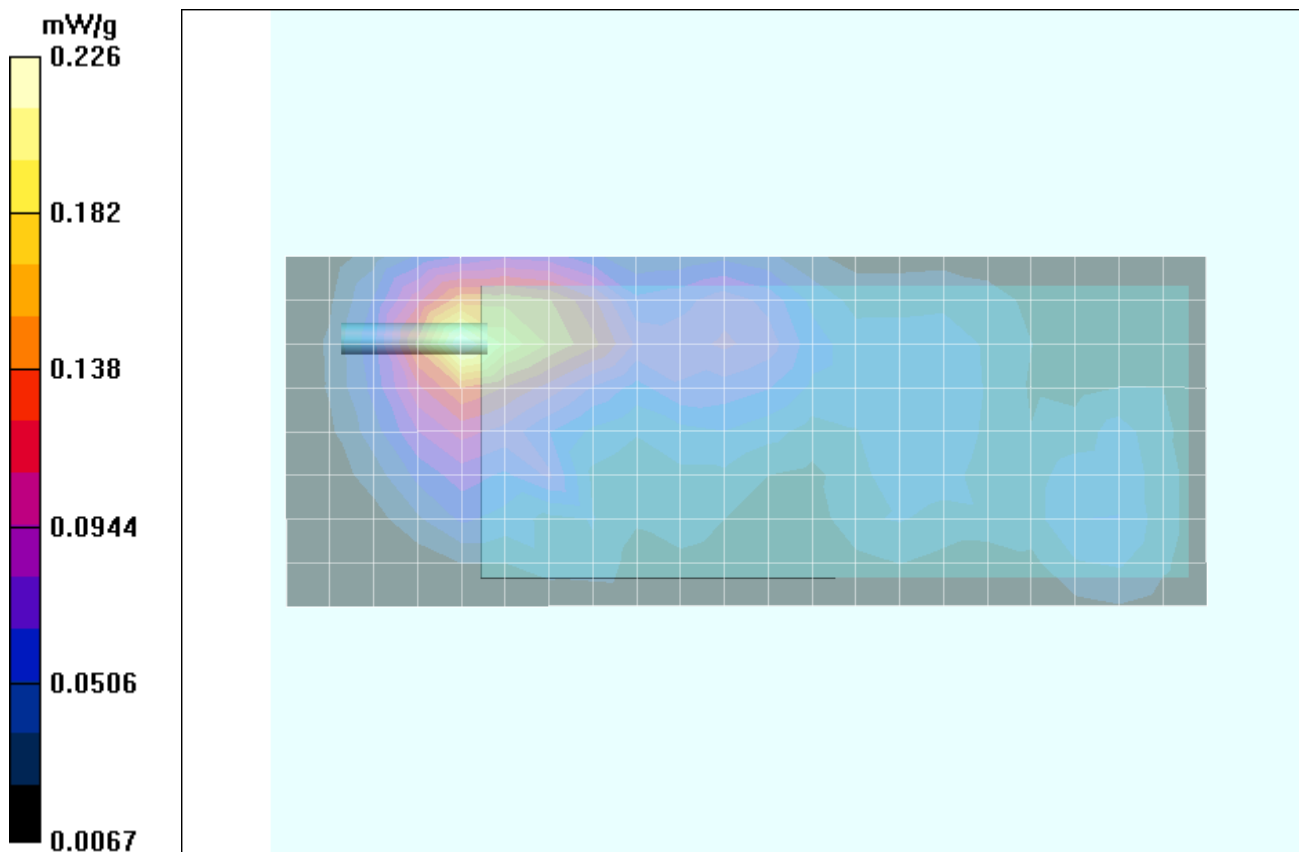
Ambient Temp: 22.5°C; Fluid Temp: 21.3°C; Barometric Pressure: 100.2 kPa; Humidity: 55%

7.4V Lithium-ion Battery
 Communication System: PCS CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1
 Medium: M1880 ($\sigma = 1.57$ mho/m, $\epsilon_r = 52.4$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 21/02/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha Numeric Keypad Unit - Front Side - Mid Channel/Area Scan (9x22x1):
 Measurement grid: dx=15mm, dy=15mm

Alpha Numeric Keypad Unit - Front Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 0.357 W/kg
SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.122 mW/g
 Reference Value = 4.99 V/m
0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/29/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

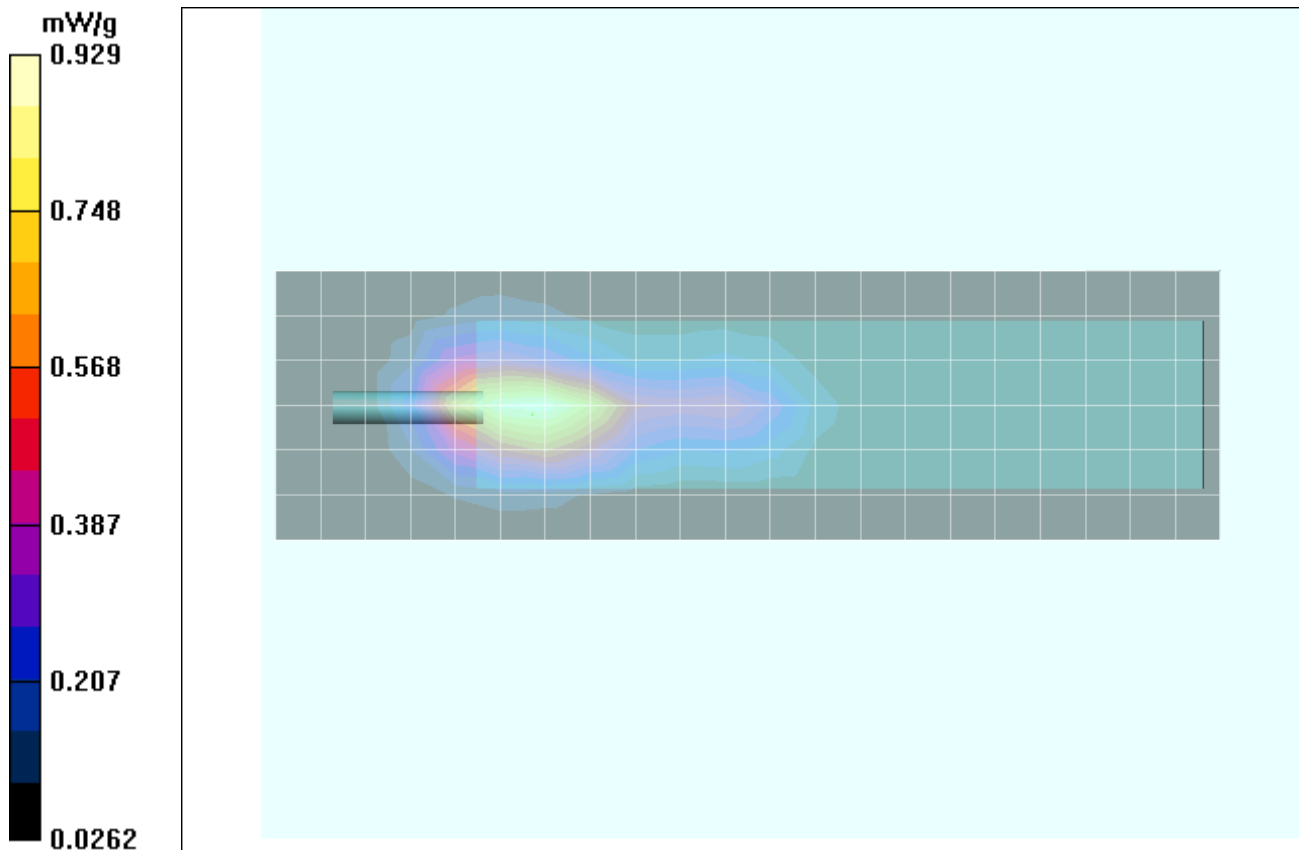
Ambient Temp: 23.1°C; Fluid Temp: 22.0°C; Barometric Pressure: 102.7 kPa; Humidity: 50%

7.4V Lithium-ion Battery
 Communication System: PCS CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1
 Medium: M1880 ($\sigma = 1.54$ mho/m, $\epsilon_r = 52.0$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 21/02/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Right Side - Mid Channel/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Right Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.859 mW/g; SAR(10 g) = 0.502 mW/g
 Reference Value = 11.9 V/m
0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/29/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295
Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

Ambient Temp: 23.1°C; Fluid Temp: 22.0°C; Barometric Pressure: 102.7 kPa; Humidity: 50%

7.4V Lithium-ion Battery

Communication System: PCS CDMA

RF Output Power: 23.0 dBm (Conducted)

Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1

Medium: M1880 ($\sigma = 1.54$ mho/m, $\epsilon_r = 52.0$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 21/02/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha Numeric Keypad Unit - Right Side - Mid Channel/Area Scan (7x22x1):

Measurement grid: dx=15mm, dy=15mm

Alpha Numeric Keypad Unit - Right Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:

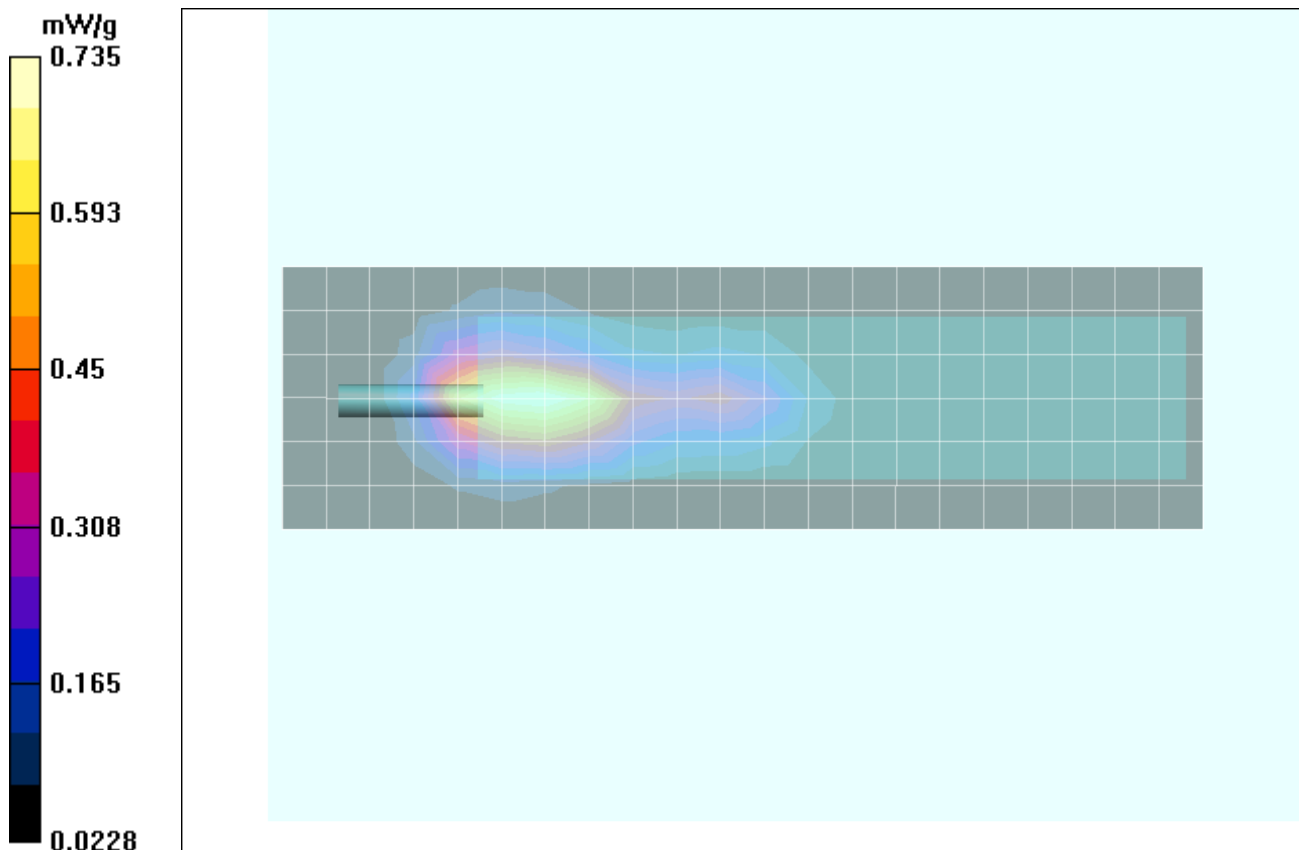
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.68 mW/g; SAR(10 g) = 0.402 mW/g

Reference Value = 11.4 V/m

0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/29/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

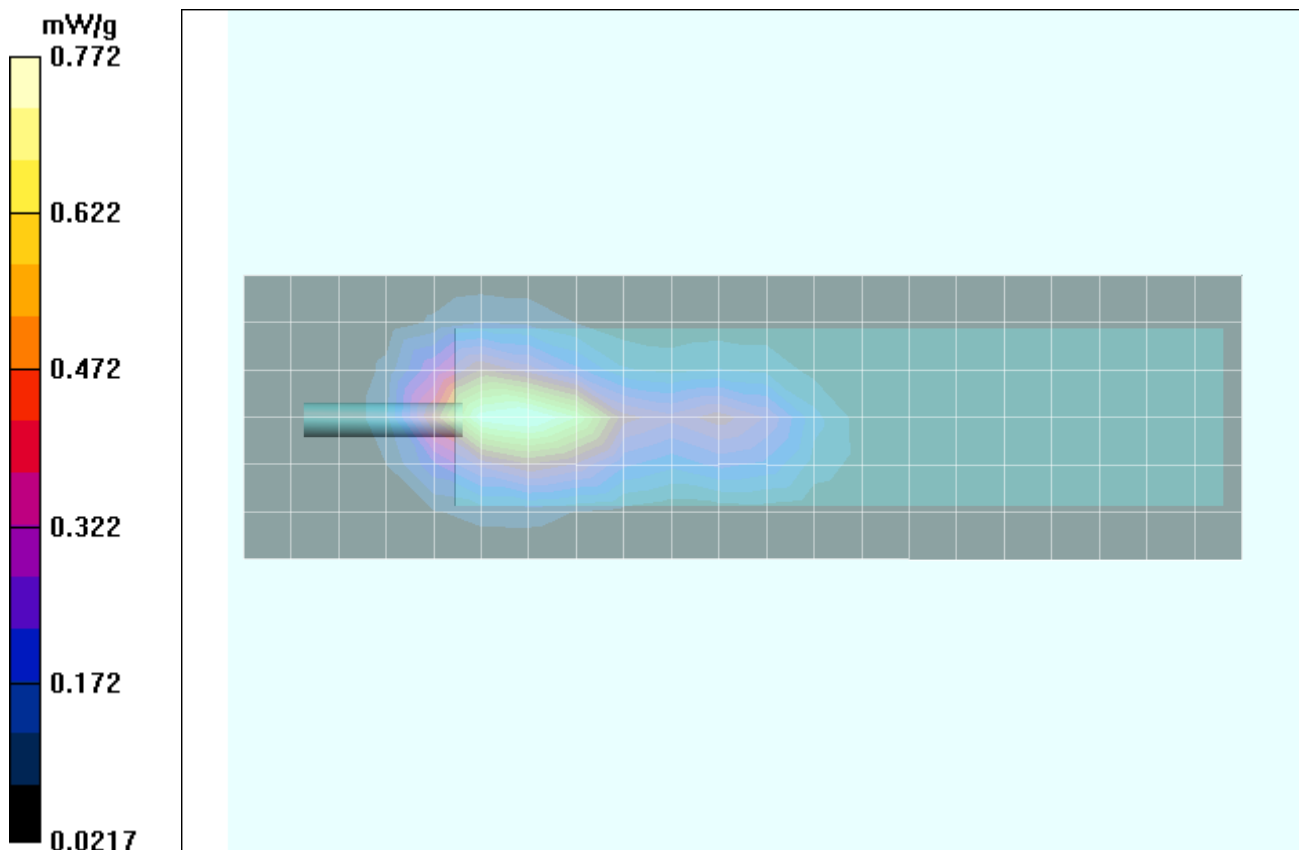
Ambient Temp: 23.1°C; Fluid Temp: 22.0°C; Barometric Pressure: 102.7 kPa; Humidity: 50%

7.4V Lithium-ion Battery
 Communication System: PCS CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 1851.25 MHz; Channel 25; Duty Cycle: 1:1
 Medium: M1880 ($\sigma = 1.54$ mho/m, $\epsilon_r = 52.0$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 21/02/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Right Side - Low Channel/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Right Side - Low Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.13 W/kg
SAR(1 g) = 0.714 mW/g; SAR(10 g) = 0.423 mW/g
 Reference Value = 12.6 V/m
0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/29/03

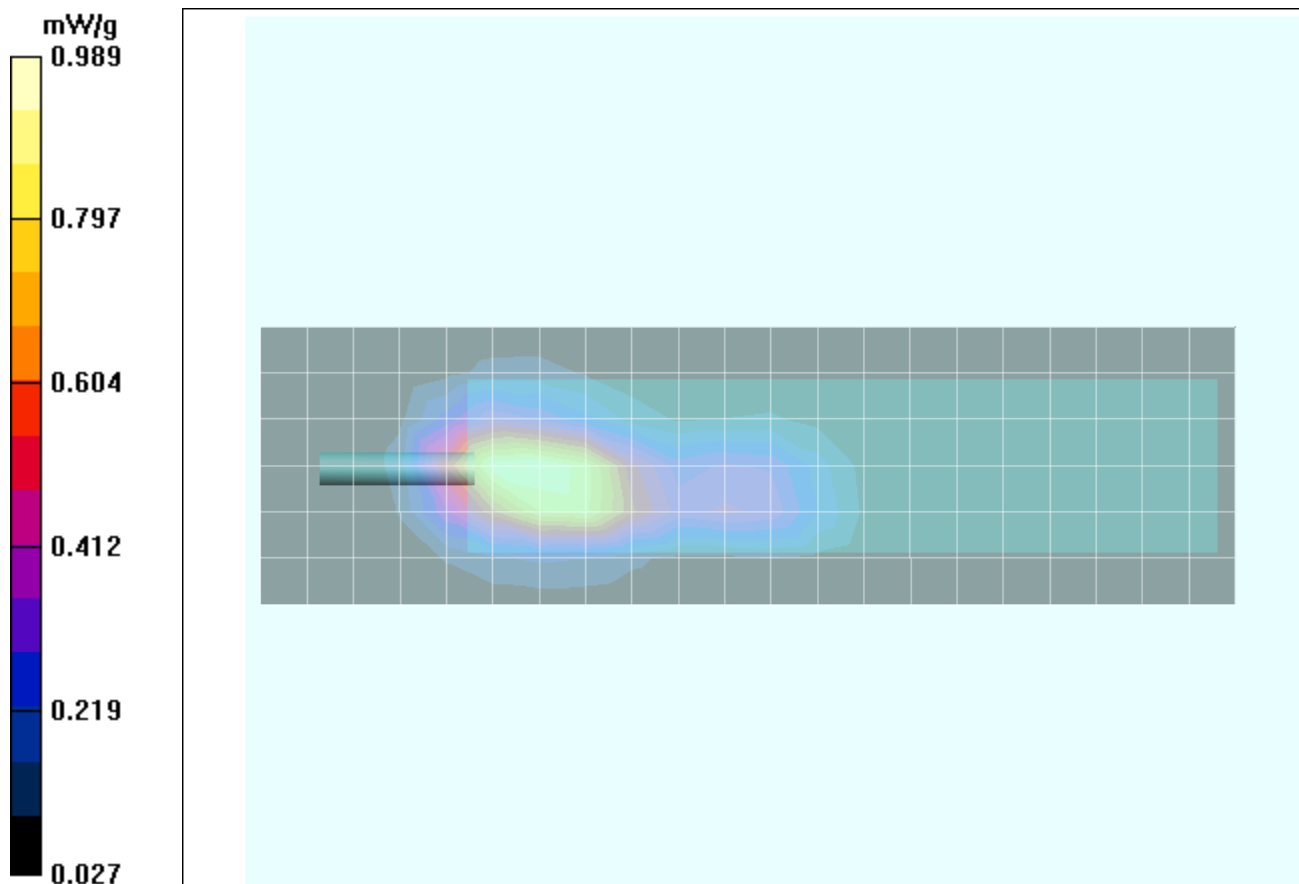
DUT: Itronix Model IX 100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

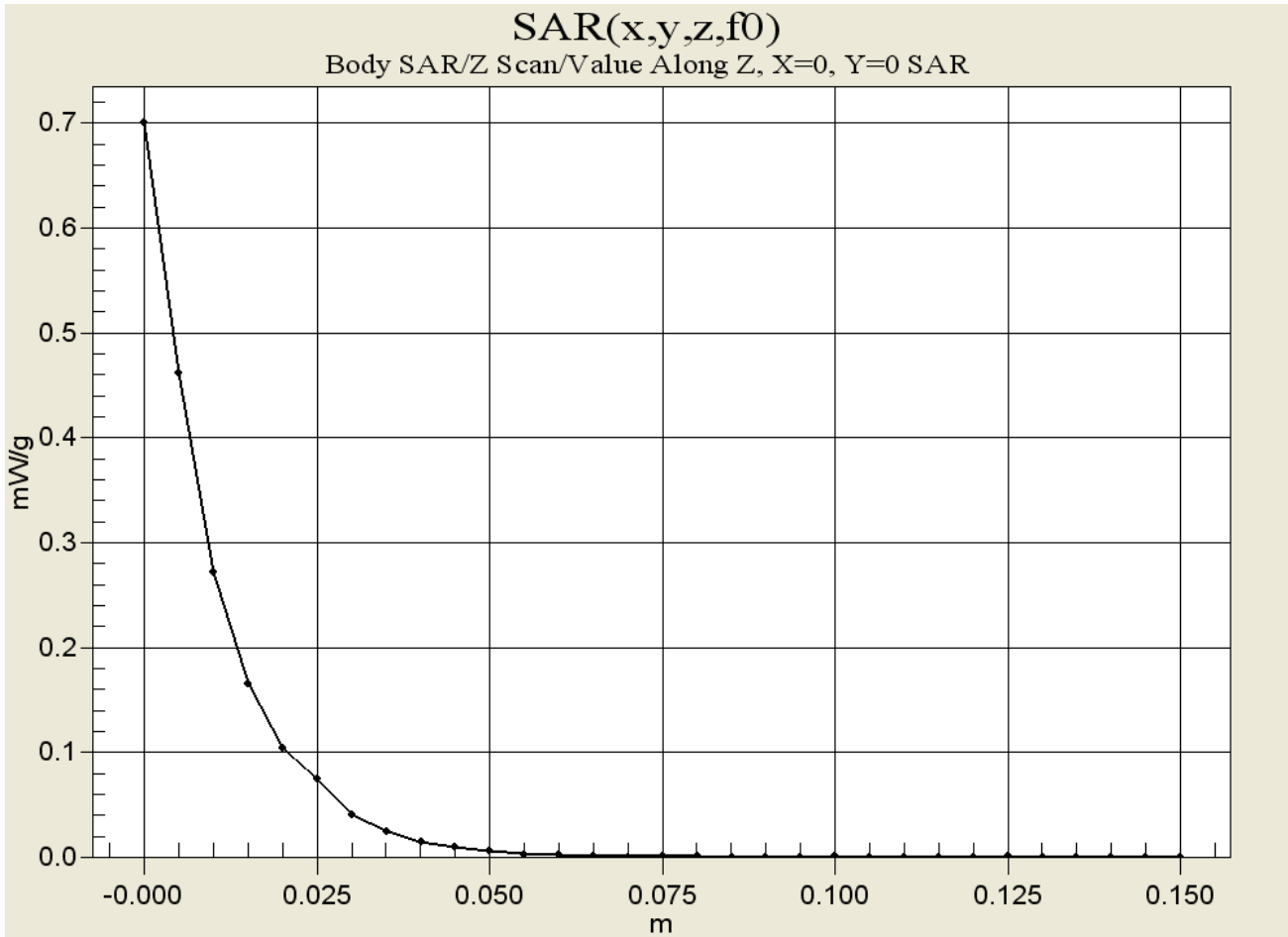
Ambient Temp: 23.1°C; Fluid Temp: 22.0°C; Barometric Pressure: 102.7 kPa; Humidity: 50%

7.4V Lithium-ion Battery
 Communication System: PCS CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 1908.75 MHz; Channel 1175; Duty Cycle: 1:1
 Medium: M1880 ($\sigma = 1.54$ mho/m, $\epsilon_r = 52.0$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 21/02/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Right Side - High Channel/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm
Numeric Keypad Unit - Right Side - High Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.917 mW/g; SAR(10 g) = 0.54 mW/g
 Reference Value = 14.6 V/m
0.0 cm Separation Distance to Planar Phantom





Date Tested: 10/29/03

DUT: Itronix Model IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
 Ambient Temp: 23.1°C; Fluid Temp: 22.0°C; Barometric Pressure: 102.7 kPa; Humidity: 50%

Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

7.4V Lithium-ion Battery

Communication System: PCS CDMA

RF Output Power: 23.0 dBm (Conducted)

Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1

Medium: M1880 ($\sigma = 1.54 \text{ mho/m}$, $\epsilon_r = 52.0$, $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn353; Calibrated: 21/02/2003

- Phantom: Planar; Type: Barski Industries; Serial: 03-01

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Back Side - Mid Channel/Area Scan (9x22x1): Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Back Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.368 W/kg

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.12 mW/g: Reference Value = 5.89 V/m

Numeric Keypad Unit - Back Side - Mid Channel/Zoom Scan (7x7x7)/Cube 1:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.312 W/kg

SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.113 mW/g: Reference Value = 5.89 V/m

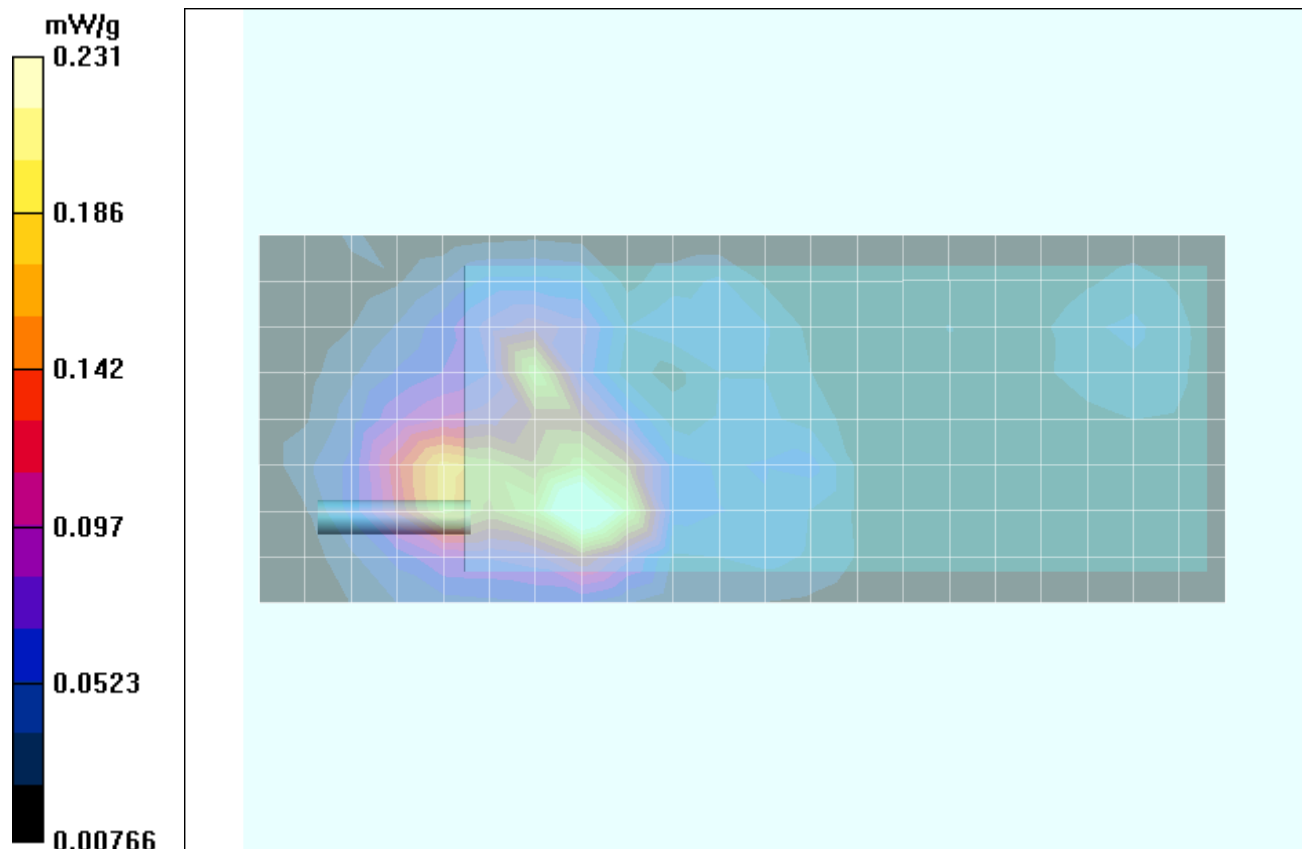
Numeric Keypad Unit - Back Side - Mid Channel/Zoom Scan (7x7x7)/Cube 2:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.19 W/kg

SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.0691 mW/g: Reference Value = 5.89 V/m

0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/29/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295

Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

Ambient Temp: 23.1°C; Fluid Temp: 22.0°C; Barometric Pressure: 102.7 kPa; Humidity: 50%

7.4V Lithium-ion Battery

Communication System: PCS CDMA

RF Output Power: 23.0 dBm (Conducted)

Frequency: 1880 MHz; Channel 600; Duty Cycle: 1:1

Medium: M1880 ($\sigma = 1.54$ mho/m, $\epsilon_r = 52.4$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.9, 4.9, 4.9); Calibrated: 26/02/2003

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn353; Calibrated: 21/02/2003

- Phantom: Planar; Type: Barski Industries; Serial: 03-01

- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha Numeric Keypad Unit - Back Side - Mid Channel/Area Scan (9x22x1):

Measurement grid: dx=15mm, dy=15mm

Alpha Numeric Keypad Unit - Back Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.153 mW/g

Reference Value = 6.51 V/m

Alpha Numeric Keypad Unit - Back Side - Mid Channel/Zoom Scan (7x7x7)/Cube 1:

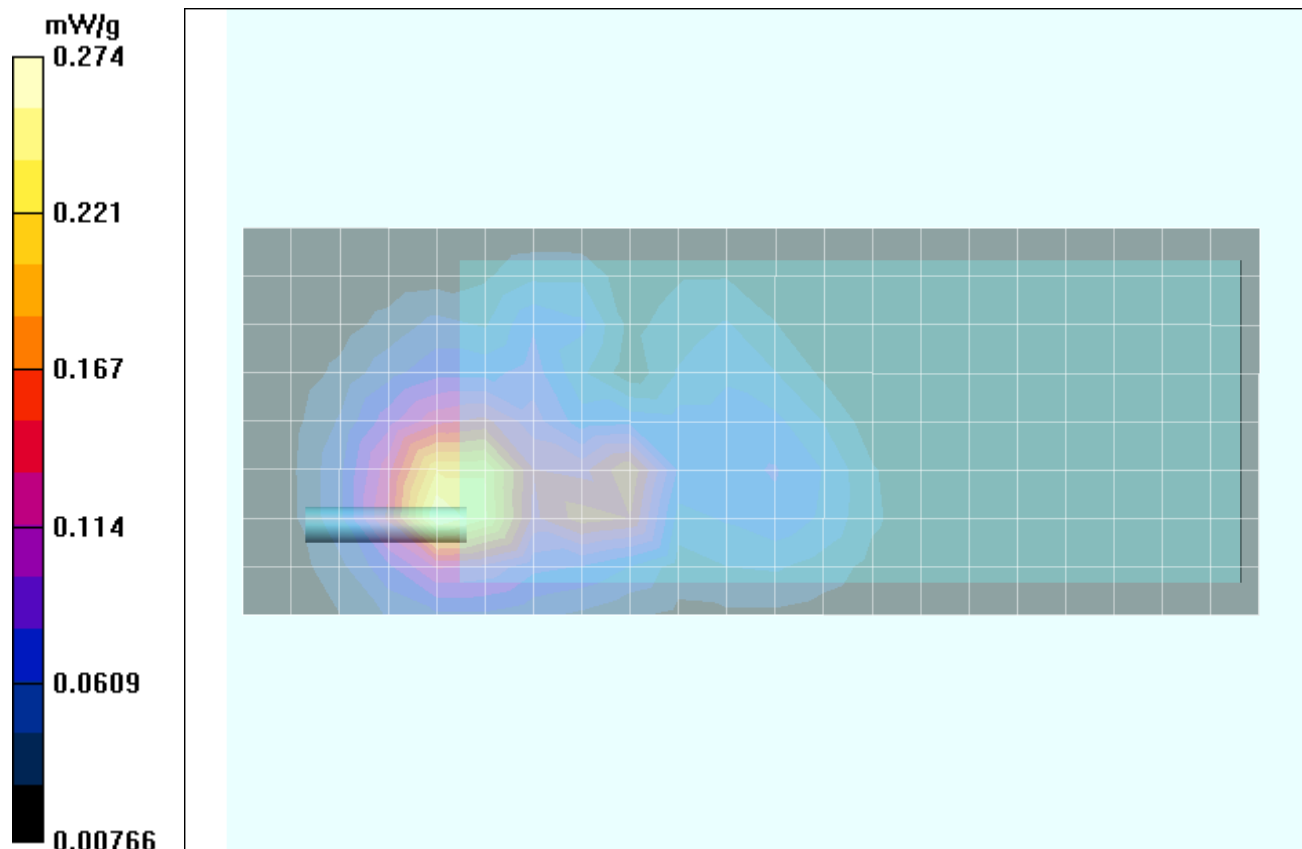
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.276 W/kg

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.0973 mW/g

Reference Value = 6.51 V/m

0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/30/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869

Ambient Temp: 23.6°C; Fluid Temp: 23.5°C; Barometric Pressure: 103.0 kPa; Humidity: 45%

7.4V Lithium-ion Battery

Communication System: Cellular CDMA

RF Output Power: 23.0 dBm (Conducted)

Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1

Medium: M835 ($\sigma = 1.00$ mho/m, $\epsilon_r = 54.6$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Right Side - Mid Channel - 0.5 cm Separation Distance/Area Scan (7x22x1):

Measurement grid: dx=15mm, dy=15mm

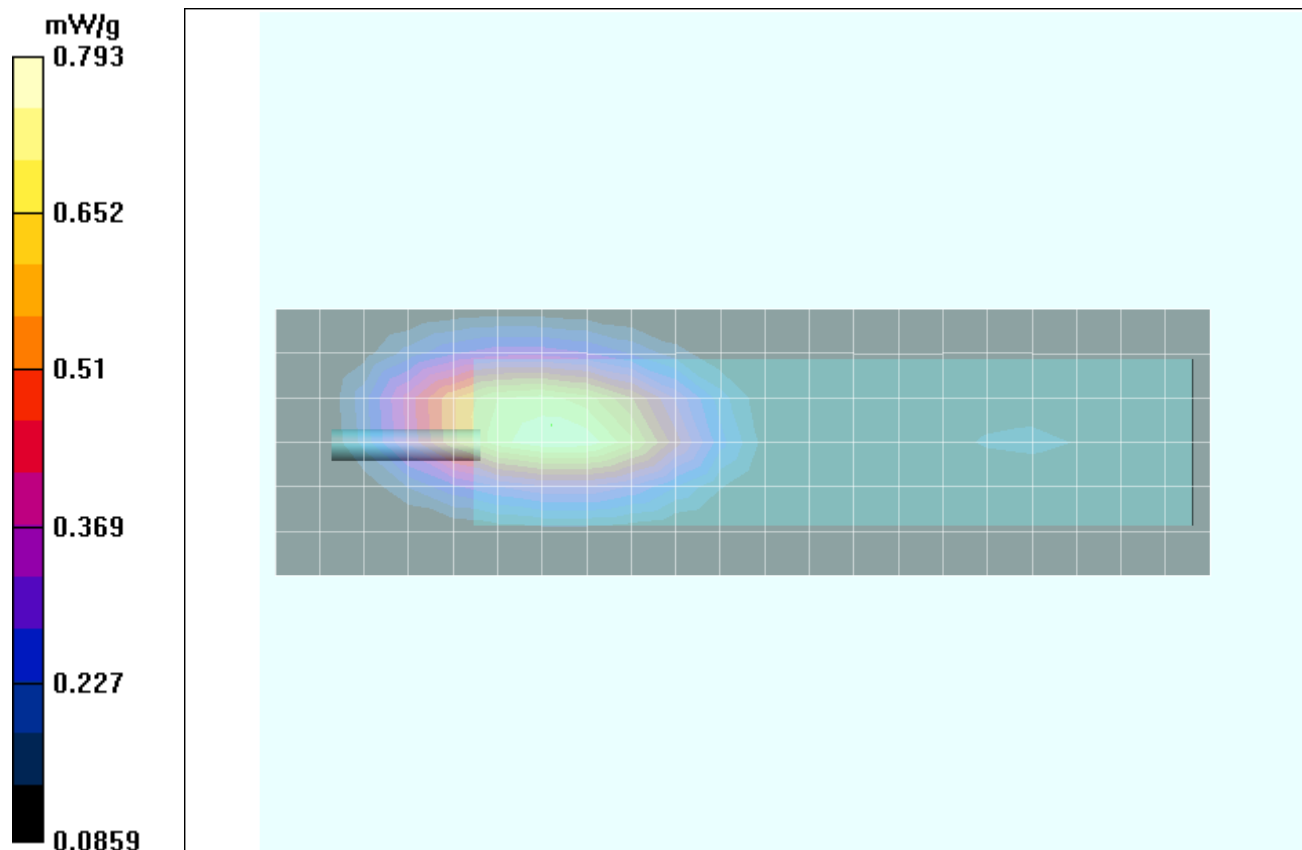
Numeric Keypad Unit - Right Side - Mid Channel - 0.5 cm Separation Distance/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 1.05 W/kg

SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.502 mW/g

Reference Value = 8.55 V/m



Date Tested: 10/30/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295

Ambient Temp: 23.6°C; Fluid Temp: 23.5°C; Barometric Pressure: 103.0 kPa; Humidity: 45%

7.4V Lithium-ion Battery

Communication System: Cellular CDMA

RF Output Power: 23.0 dBm (Conducted)

Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1

Medium: M835 ($\sigma = 1 \text{ mho/m}$, $\epsilon_r = 54.6$, $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha Numeric Keypad Unit - Right Side - Mid Channel - 0.5 cm Separation Distance /Area Scan (7x22x1):

Measurement grid: dx=15mm, dy=15mm

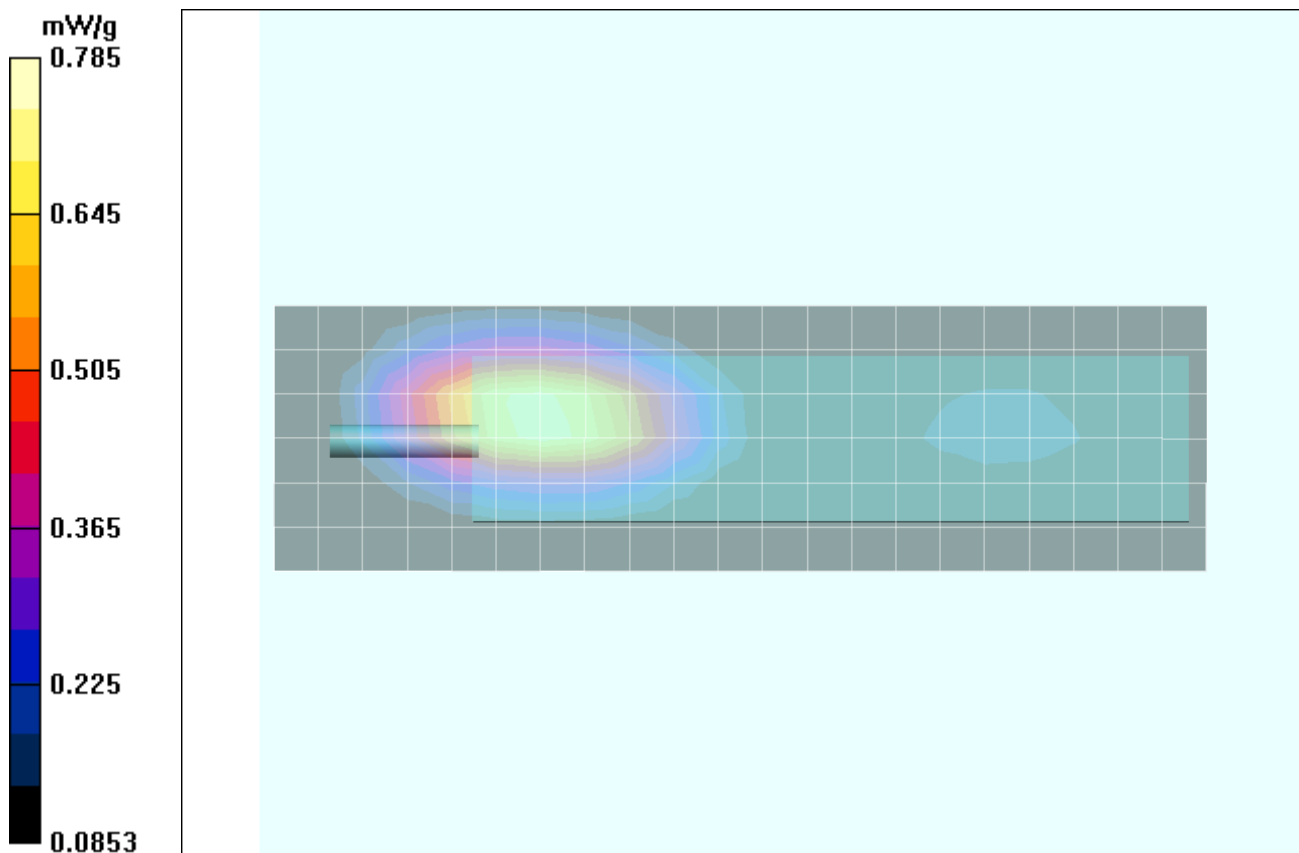
Alpha Numeric Keypad Unit - Right Side - Mid Channel - 0.5 cm Separation Distance/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.501 mW/g

Reference Value = 8.3 V/m



Date Tested: 10/30/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869

Ambient Temp: 23.6°C; Fluid Temp: 23.5°C; Barometric Pressure: 103.0 kPa; Humidity: 45%

7.4V Lithium-ion Battery

Communication System: Cellular CDMA

RF Output Power: 23.0 dBm (Conducted)

Frequency: 835.89 MHz; Channel: 363; Duty Cycle: 1:1

Medium: M835 ($\sigma = 1 \text{ mho/m}$, $\epsilon_r = 54.6$, $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Back Side - Mid Channel - 0.0 cm Separation Distance/Area Scan (9x22x1):

Measurement grid: dx=15mm, dy=15mm

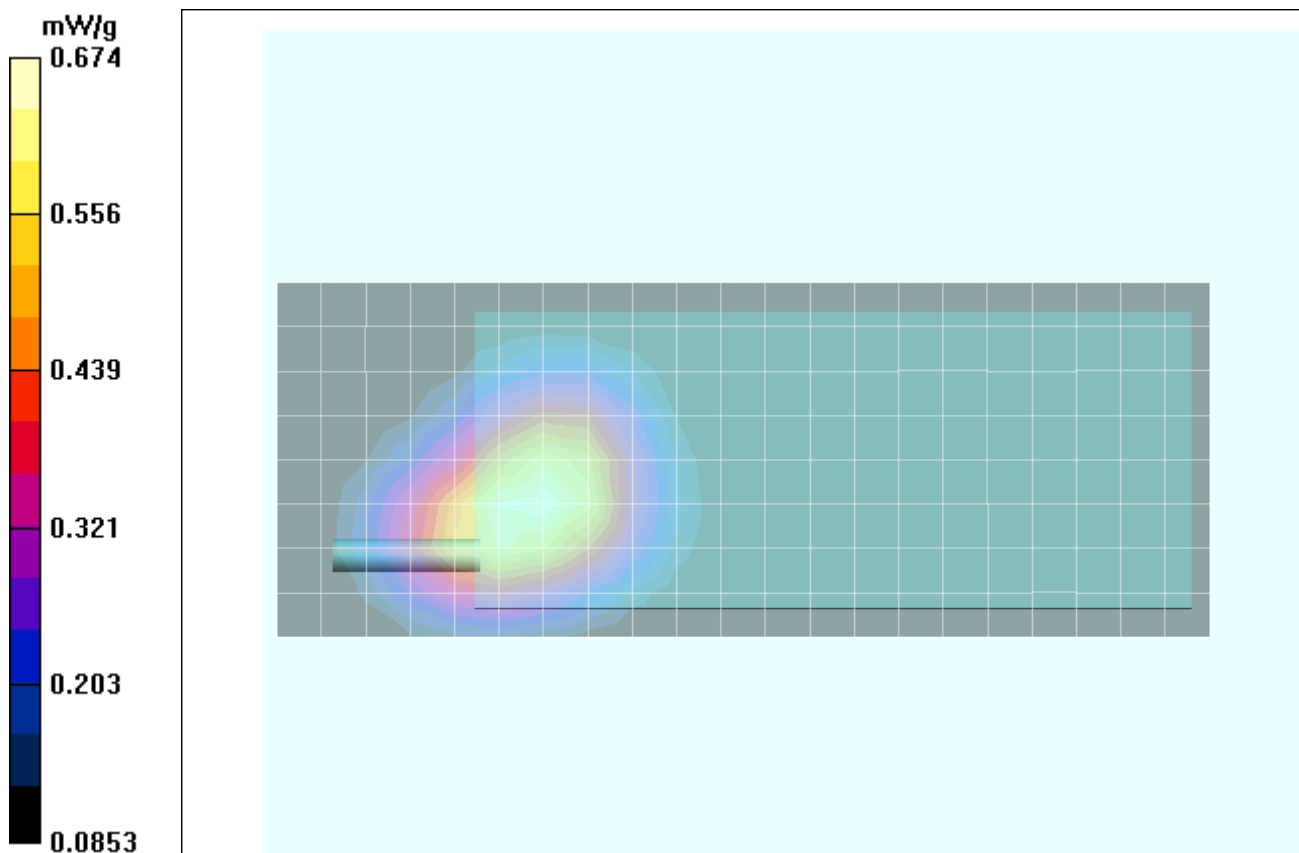
Numeric Keypad Unit - Back Side - Mid Channel - 0.0 cm Separation Distance/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.637 mW/g; SAR(10 g) = 0.456 mW/g

Reference Value = 5.52 V/m



Date Tested: 10/30/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295

Ambient Temp: 23.6°C; Fluid Temp: 23.5°C; Barometric Pressure: 103.0 kPa; Humidity: 45%

7.4V Lithium-ion Battery

Communication System: Cellular CDMA

RF Output Power: 23.0 dBm (Conducted)

Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1

Medium: M835 ($\sigma = 1 \text{ mho/m}$, $\epsilon_r = 54.6$, $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DASy4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha Numeric Keypad Unit- Back Side - Mid Channel - 0.0 cm Separation Distance/Area Scan (9x22x1):

Measurement grid: dx=15mm, dy=15mm

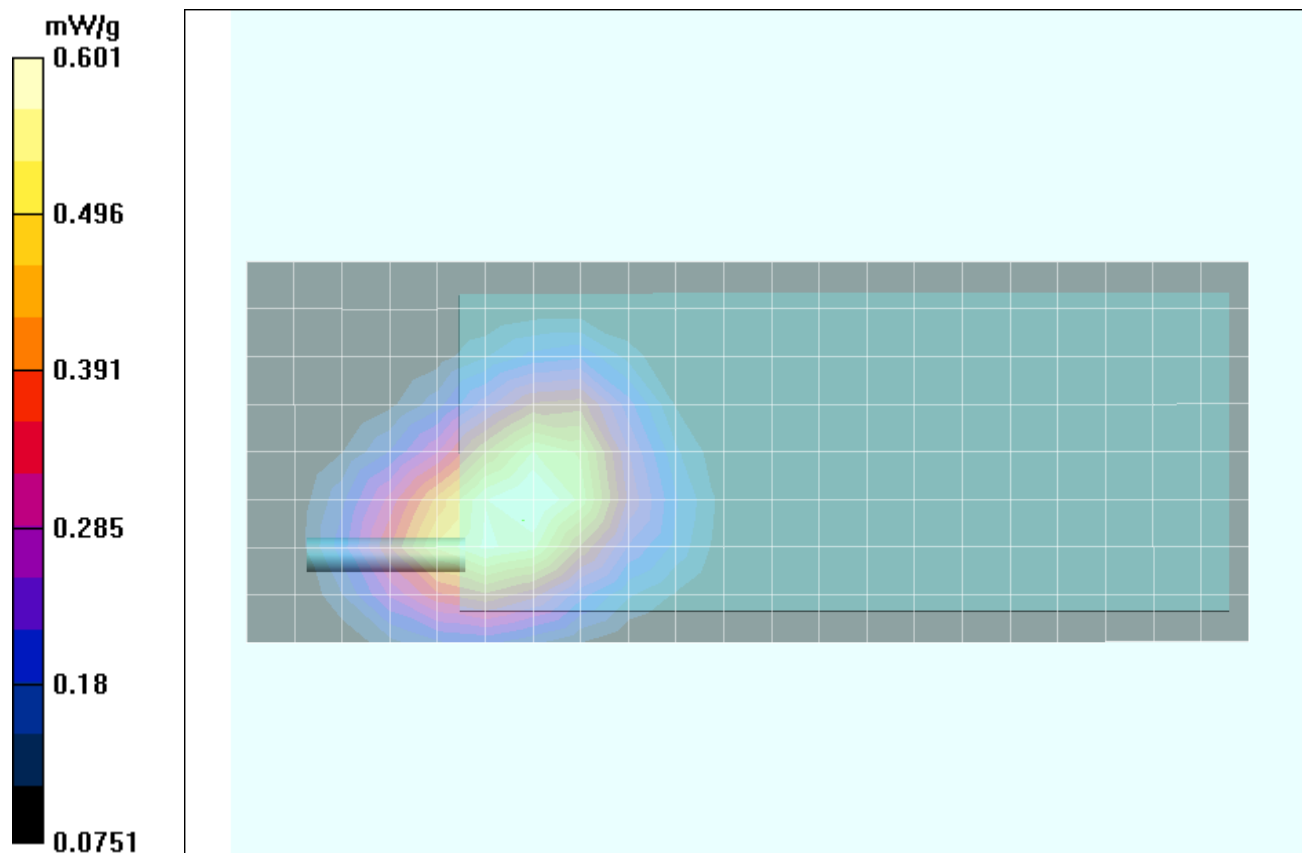
Alpha Numeric Keypad Unit - Back Side - Mid Channel - 0.0 cm Separation Distance/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Peak SAR (extrapolated) = 0.758 W/kg

SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.409 mW/g

Reference Value = 5.63 V/m



Date Tested: 10/30/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295
Body-worn Accessories: Carry-Case (DUT keypad side facing front of case), Ear-Microphone

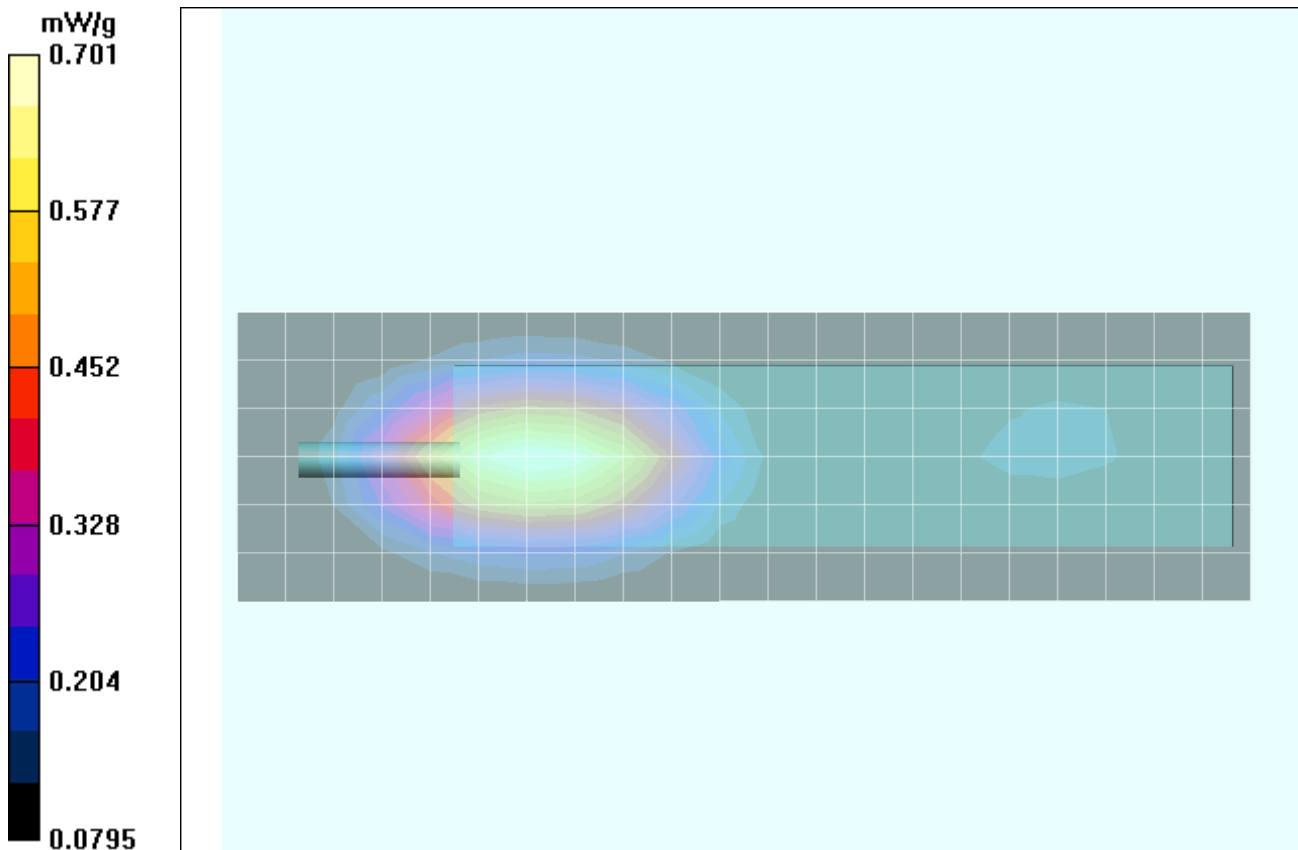
Ambient Temp: 23.6°C; Fluid Temp: 23.5°C; Barometric Pressure: 103.0 kPa; Humidity: 45%

7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 835.89 MHz; Channel: 363; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 1 \text{ mho/m}$, $\epsilon_r = 54.6$, $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha Numeric Keypad Unit - Right Side - Mid Channel/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm

Alpha Numeric Keypad Unit - Right Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 0.901 W/kg
SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.454 mW/g
 Reference Value = 8.61 V/m
0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/30/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing front of case), Ear-Microphone

Ambient Temp: 23.6°C; Fluid Temp: 23.5°C; Barometric Pressure: 103.0 kPa; Humidity: 45%

7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 1 \text{ mho/m}$, $\epsilon_r = 54.6$, $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

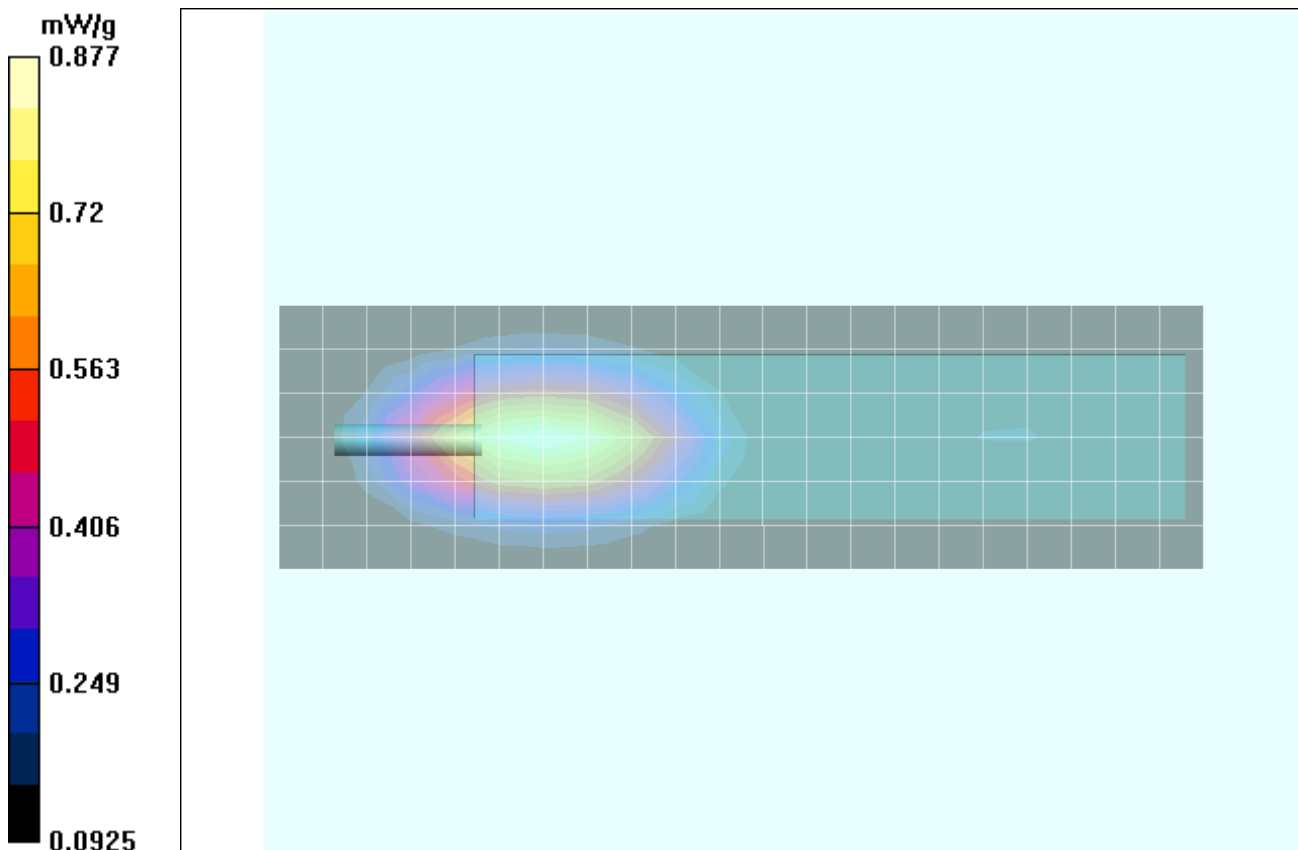
Numeric Keypad Unit - Right Side - Mid Channel/Area Scan (7x22x1):

Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Right Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.561 mW/g
 Reference Value = 7.78 V/m

0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/30/03

DUT: Itronix Model: IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing front of case), Ear-Microphone

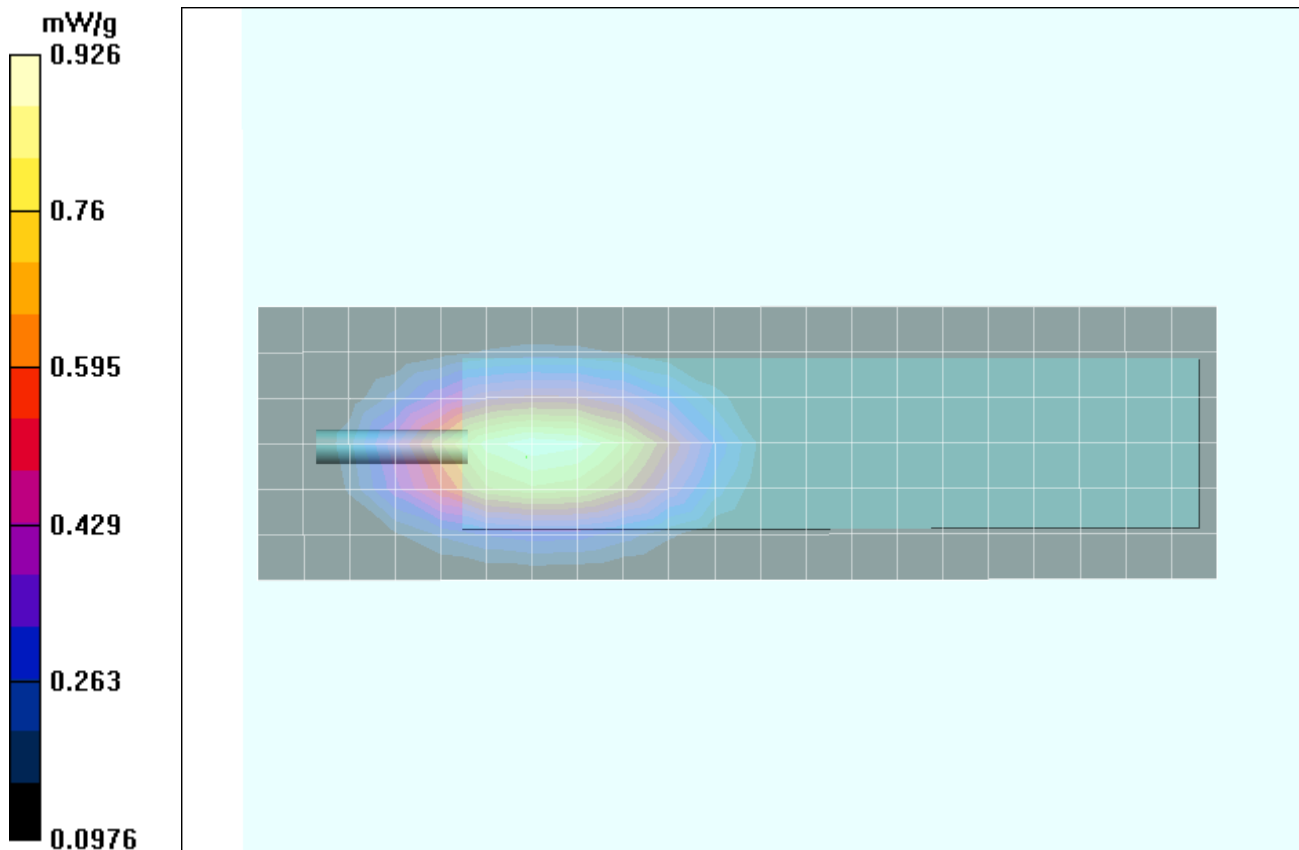
Ambient Temp: 23.6°C; Fluid Temp: 23.5°C; Barometric Pressure: 103.0 kPa; Humidity: 45%

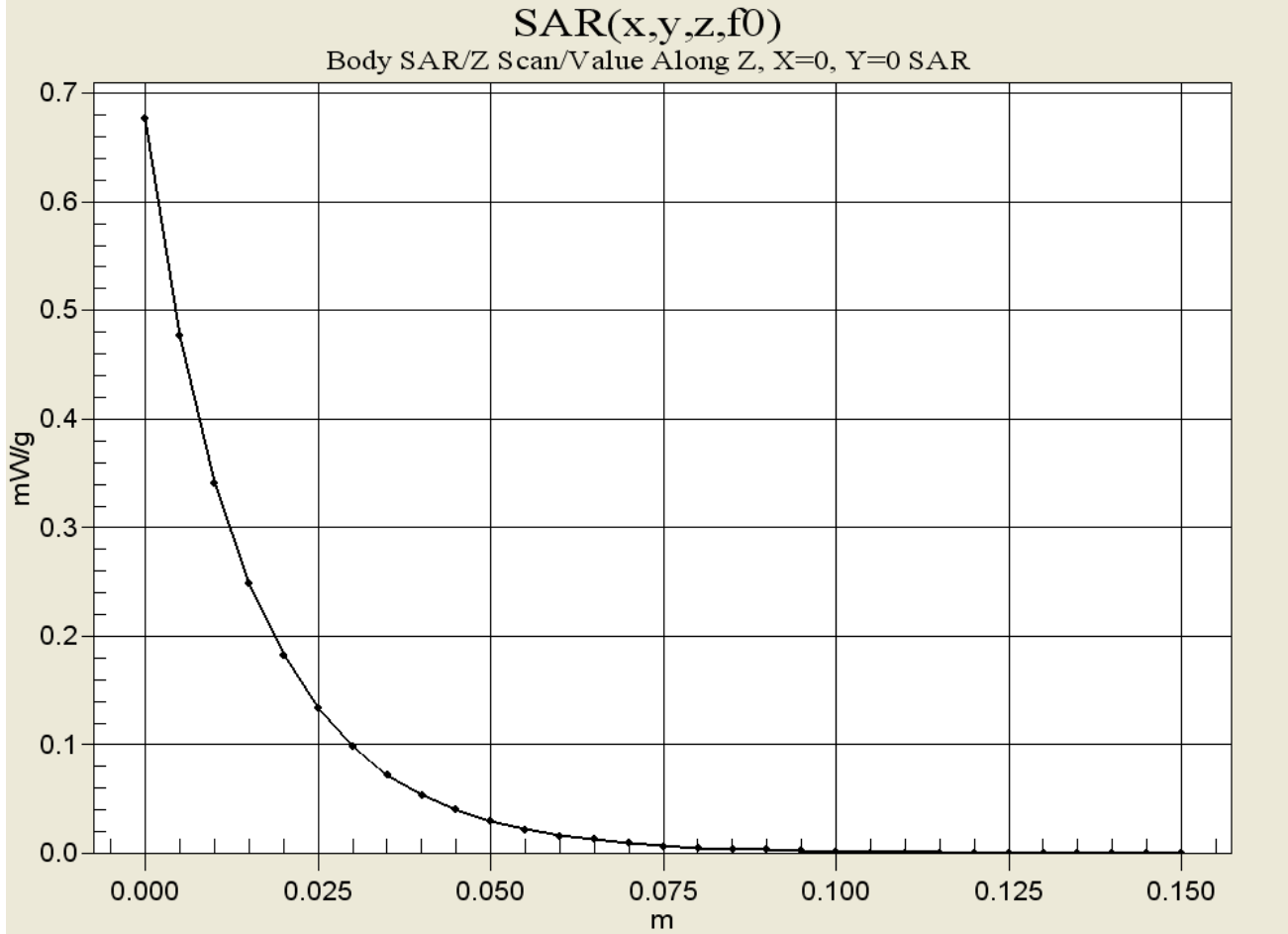
7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 824.7 MHz; Channel 1013; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 1 \text{ mho/m}$, $\epsilon_r = 54.6$, $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Right Side - Low Channel/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Right Side - Low Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.871 mW/g; SAR(10 g) = 0.595 mW/g
 Reference Value = 9.53 V/m
0.0 cm Separation Distance to Planar Phantom





Date Tested: 10/30/03

DUT: Itronix Model IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing front of case), Ear-Microphone

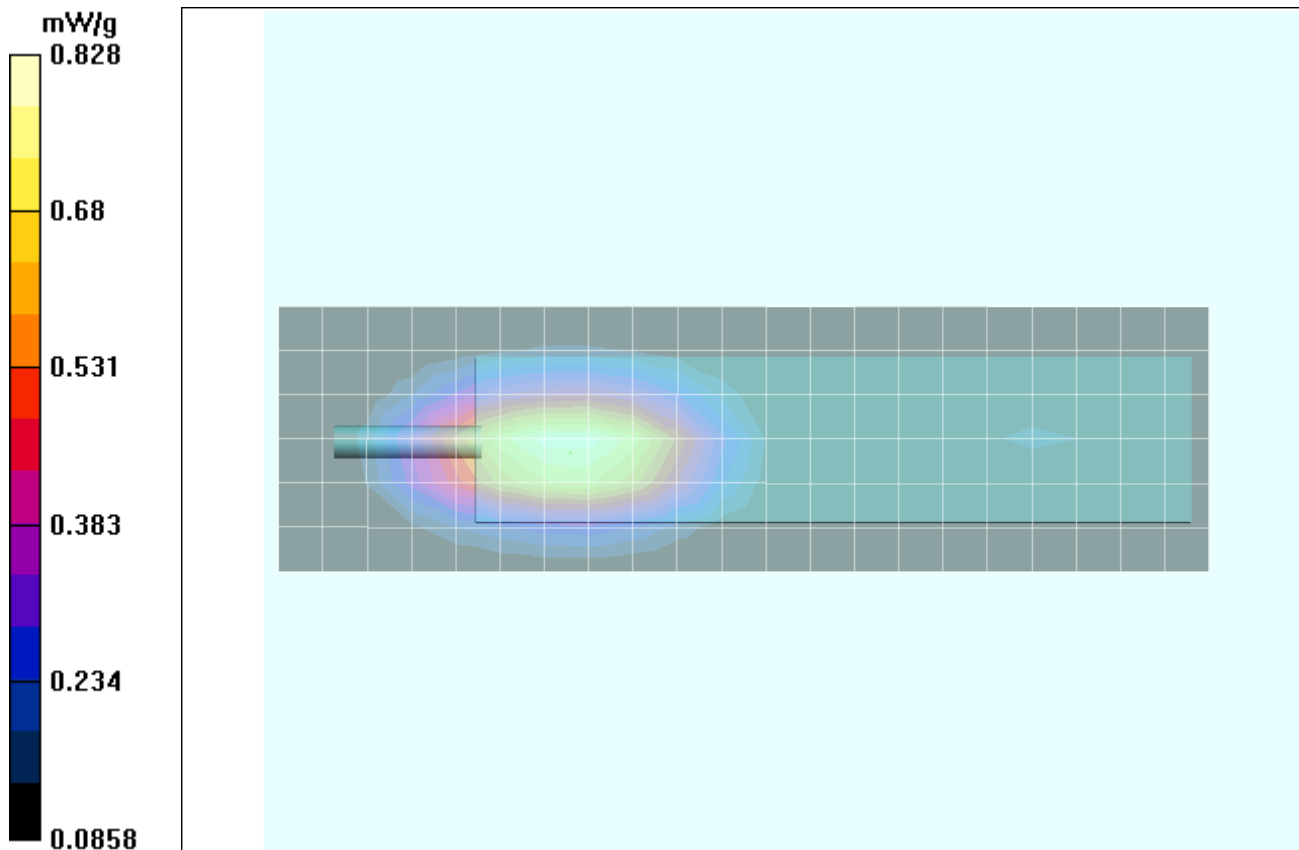
Ambient Temp: 23.6°C; Fluid Temp: 23.5°C; Barometric Pressure: 103.0 kPa; Humidity: 45%

7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 848.31 MHz; Channel: 777; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 1 \text{ mho/m}$, $\epsilon_r = 54.6$, $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Right Side - High Channel/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit -Right Side - High Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.09 W/kg
SAR(1 g) = 0.777 mW/g; SAR(10 g) = 0.529 mW/g
 Reference Value = 9.11 V/m
0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/30/03

DUT: Itronix Model IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing front of case), Ear-Microphone

Ambient Temp: 23.6°C; Fluid Temp: 23.5°C; Barometric Pressure: 103.0 kPa; Humidity: 45%

7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 1 \text{ mho/m}$, $\epsilon_r = 54.6$, $\rho = 1000 \text{ kg/m}^3$)

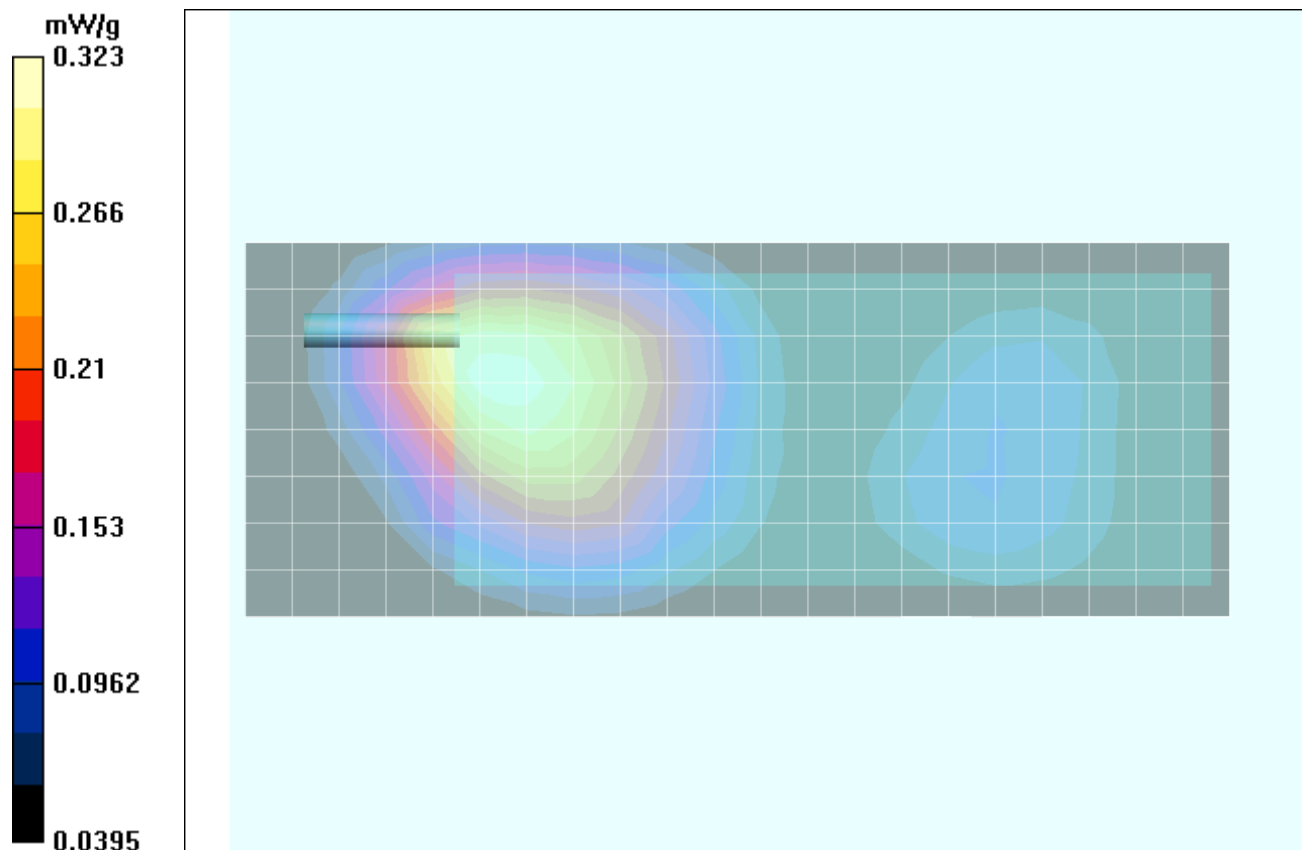
- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Front Side - Mid Channel/Area Scan (9x22x1):

Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Front Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 0.402 W/kg
SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.226 mW/g
 Reference Value = 7.52 V/m
0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/30/03

DUT: Itronix Model IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295
Body-worn Accessories: Carry-Case (DUT keypad side facing front of case), Ear-Microphone

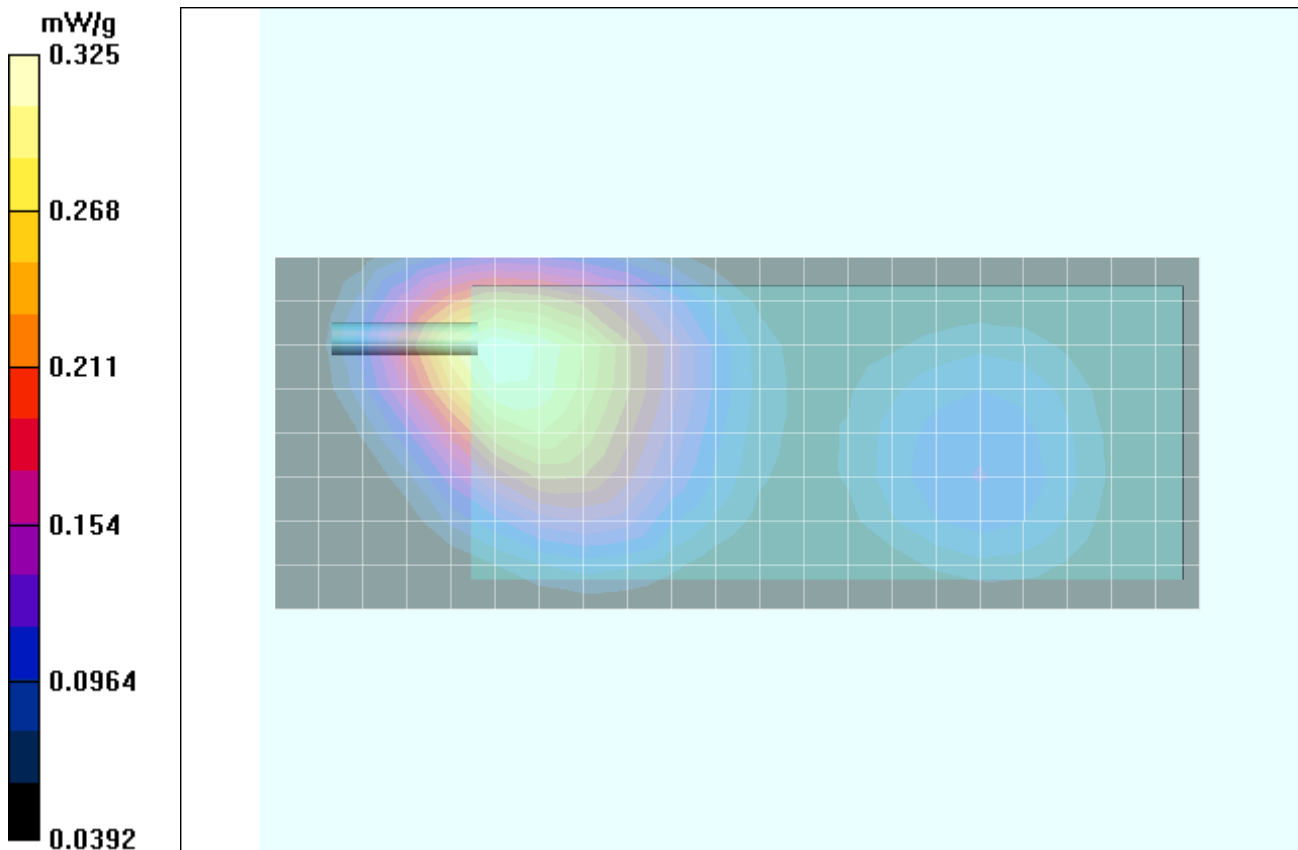
Ambient Temp: 23.6°C; Fluid Temp: 23.5°C; Barometric Pressure: 103.0 kPa; Humidity: 45%

7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 1 \text{ mho/m}$, $\epsilon_r = 54.6$, $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DASY4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha-Numeric Keypad Unit - Front Side - Mid Channel/Area Scan (9x22x1):
 Measurement grid: dx=15mm, dy=15mm

Alpha-Numeric Keypad Unit - Front Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 0.404 W/kg
SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.224 mW/g
 Reference Value = 8.05 V/m
0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/31/03

DUT: Itronix Model IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

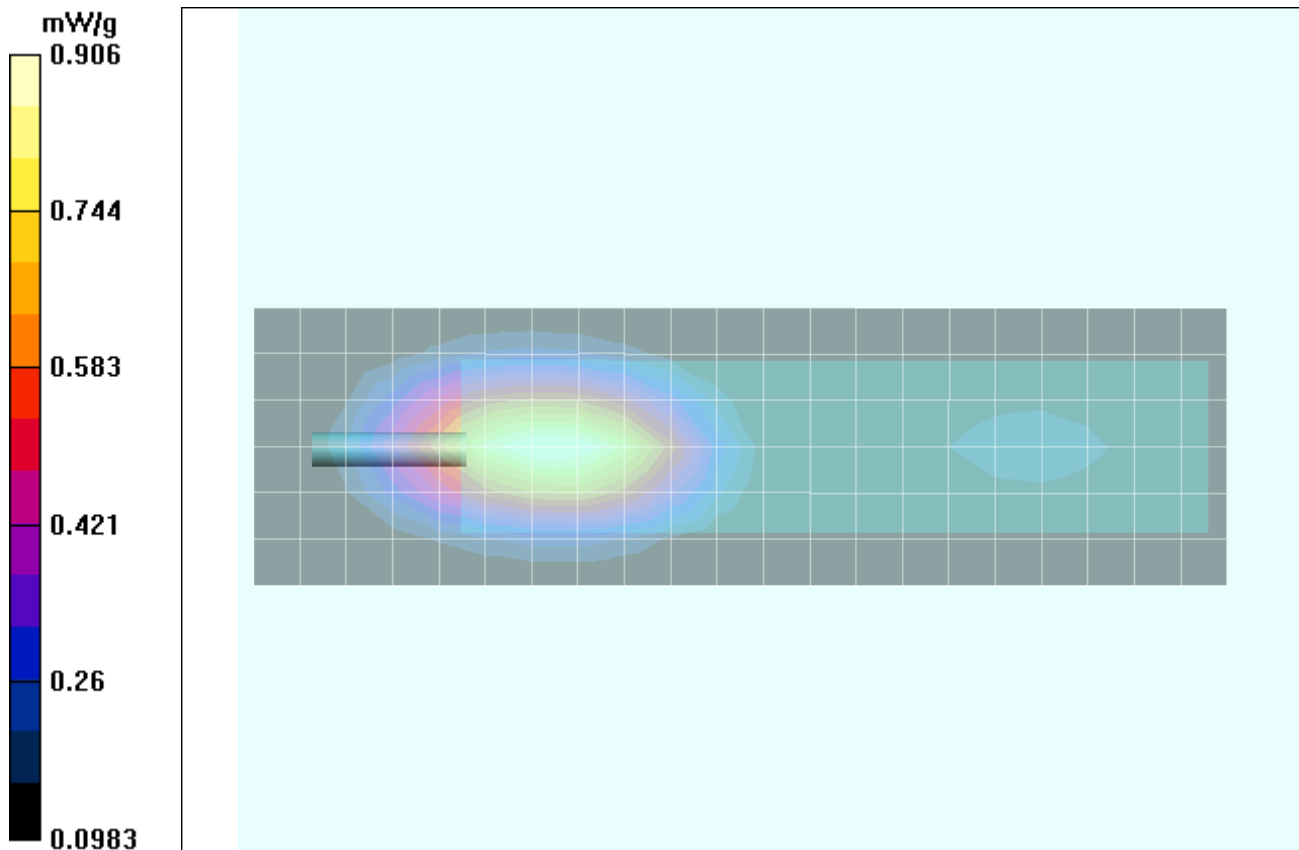
Ambient Temp: 24.2°C; Fluid Temp: 21.3°C; Barometric Pressure: 102.6 kPa; Humidity: 51%

7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 835.89 MHz; Channel: 363; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 0.99$ mho/m, $\epsilon_r = 53.7$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Right Side - Mid Channel/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Right Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.845 mW/g; SAR(10 g) = 0.577 mW/g
 Reference Value = 9.05 V/m
0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/31/03

DUT: Itronix Model IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295
Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

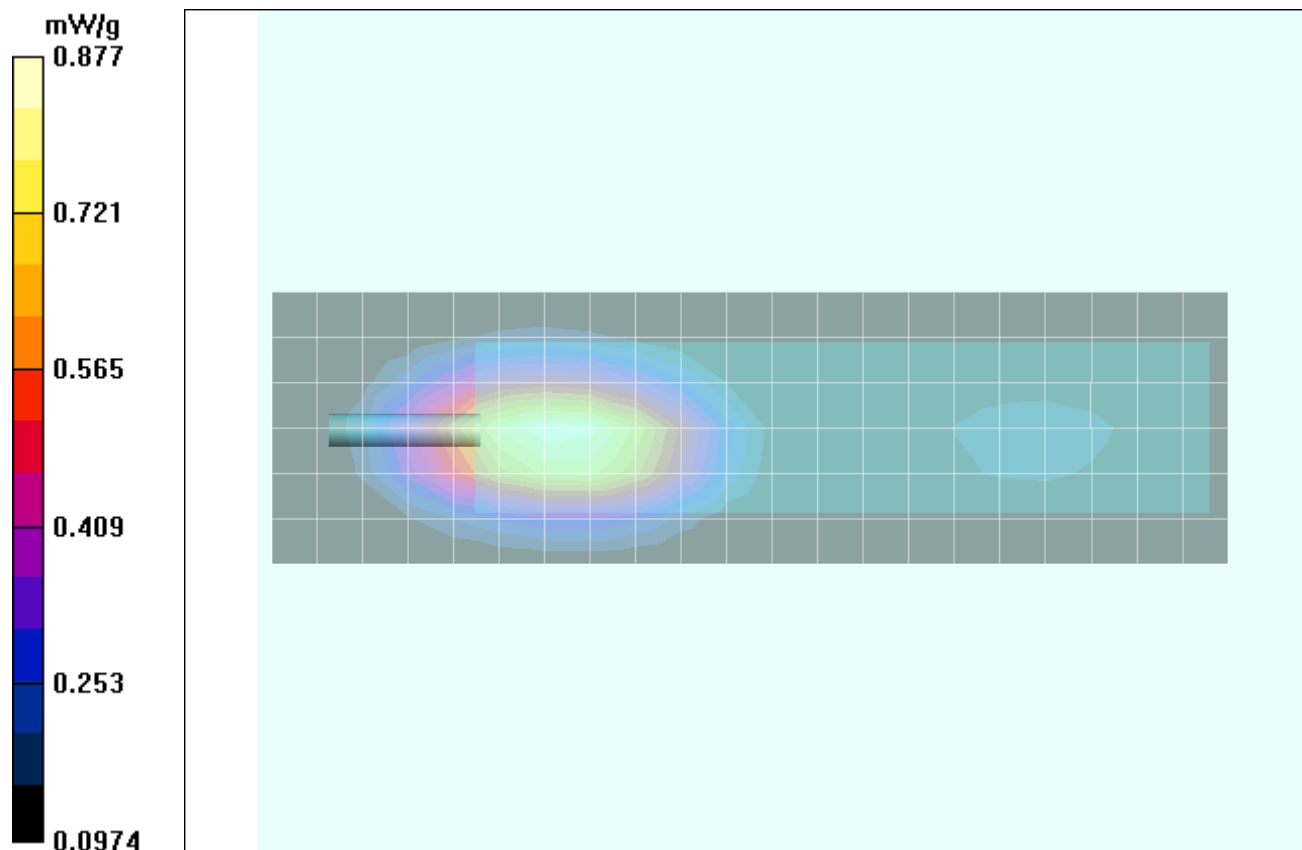
Ambient Temp: 24.2°C; Fluid Temp: 21.3°C; Barometric Pressure: 102.6 kPa; Humidity: 51%

7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 835.89 MHz; Channel 363; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 0.99$ mho/m, $\epsilon_r = 53.7$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha-Numeric Keypad Unit - Right Side - Mid Channel/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm

Alpha-Numeric Keypad Unit - Right Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.14 W/kg
SAR(1 g) = 0.824 mW/g; SAR(10 g) = 0.565 mW/g
 Reference Value = 9.5 V/m
0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/31/03

DUT: Itronix Model IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

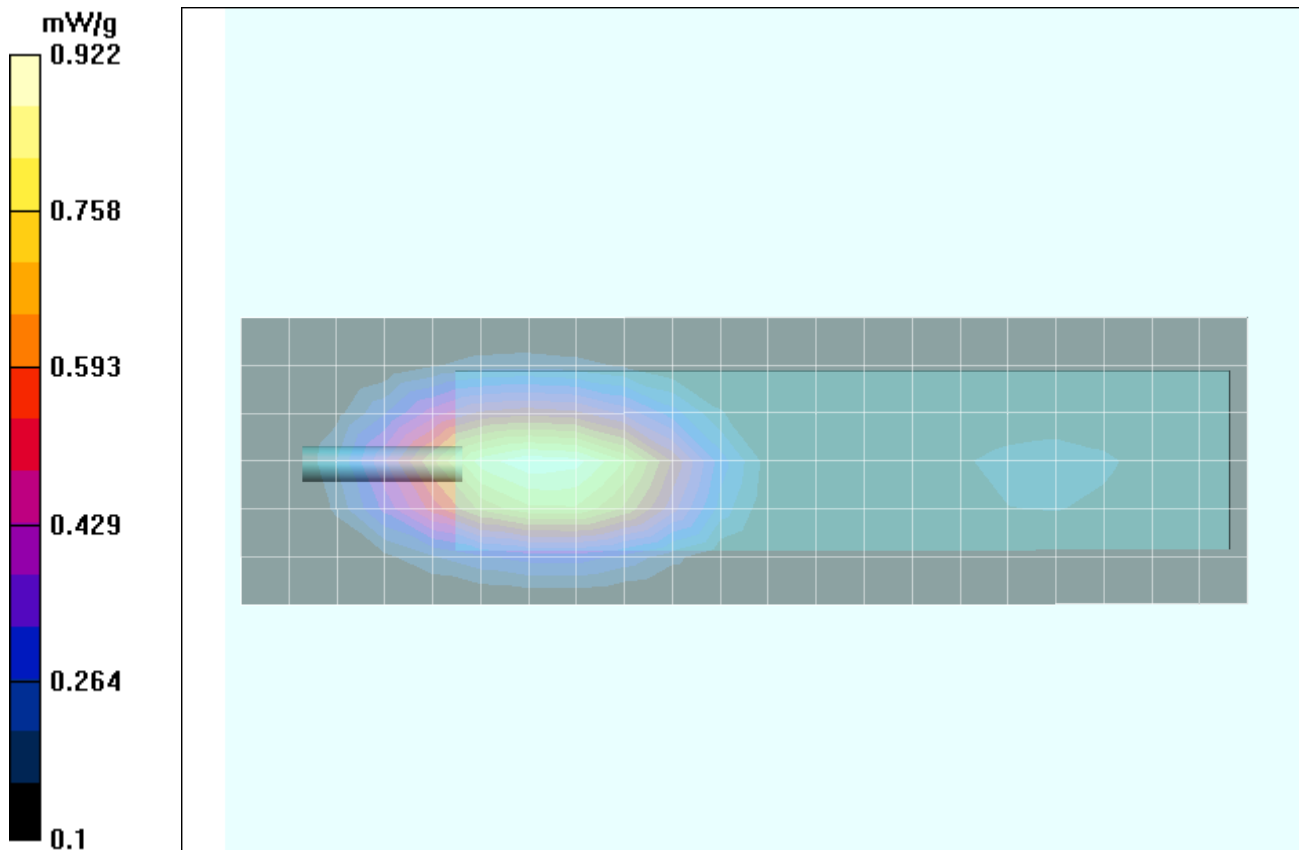
Ambient Temp: 24.2°C; Fluid Temp: 21.3°C; Barometric Pressure: 102.6 kPa; Humidity: 51%

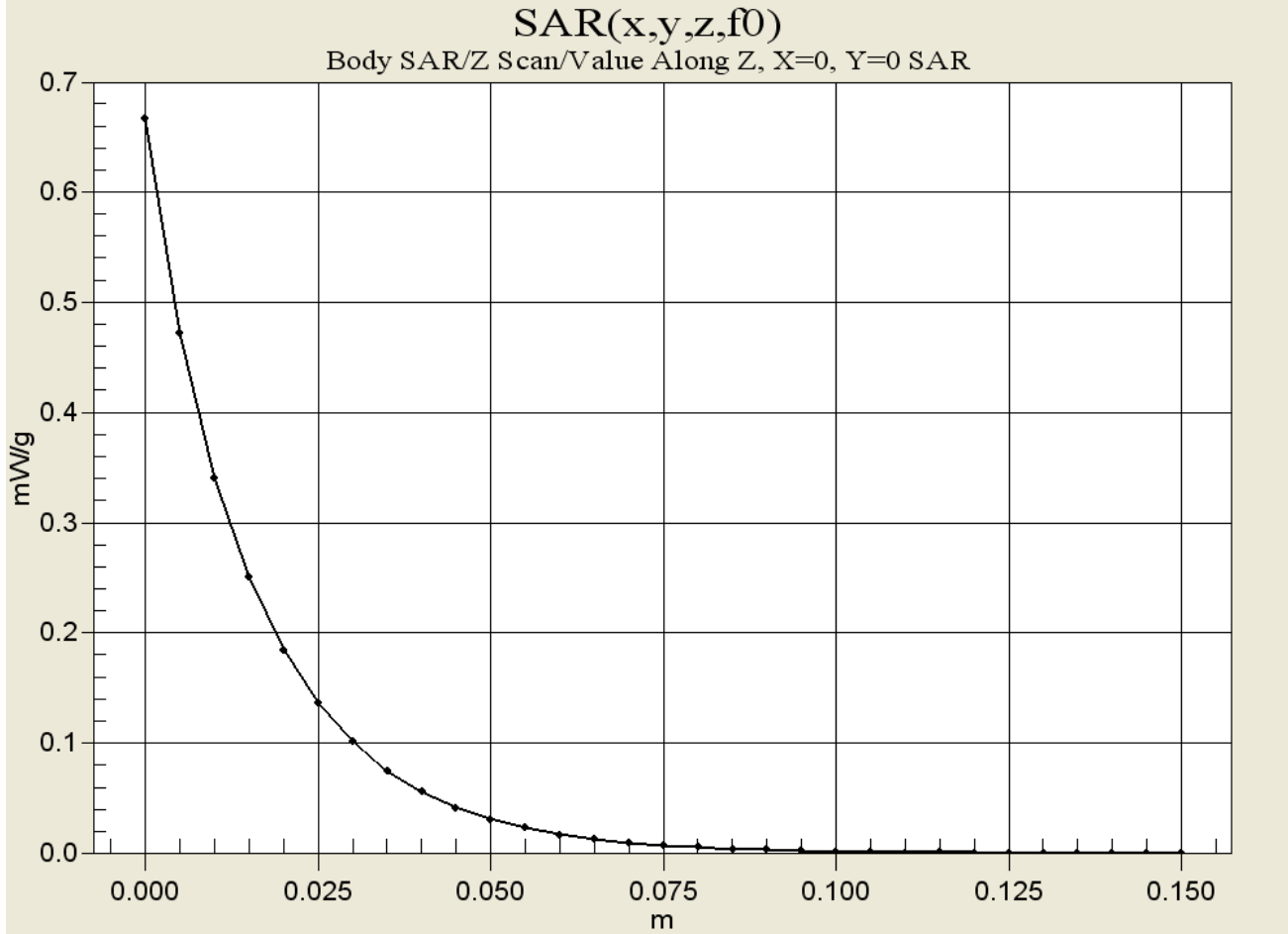
7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 824.7 MHz; Channel 1013; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 0.99$ mho/m, $\epsilon_r = 53.7$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Right Side - Low Channel/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Right Side - Low Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.2 W/kg
SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.592 mW/g
 Reference Value = 9.29 V/m
0.0 cm Separation Distance to Planar Phantom





Date Tested: 10/31/03

DUT: Itronix Model IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

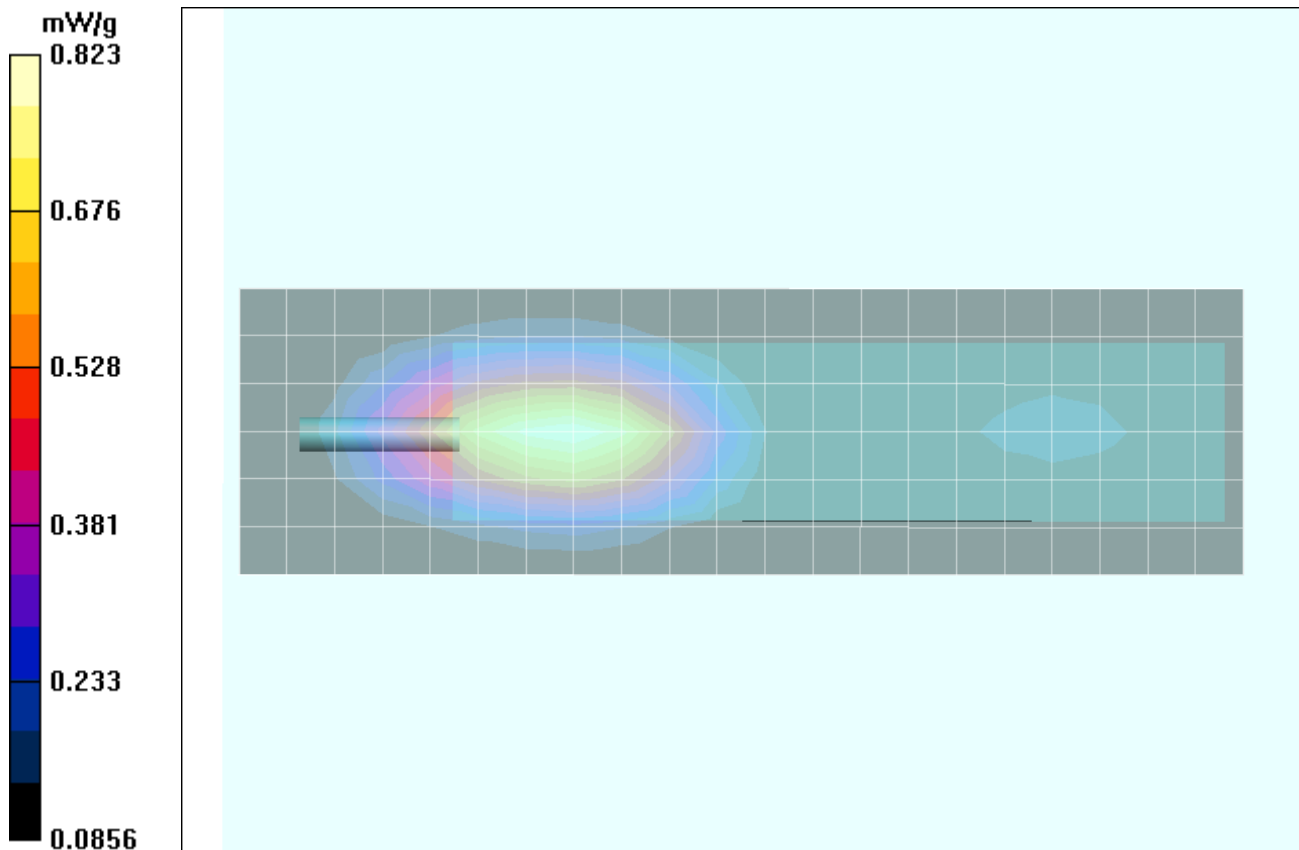
Ambient Temp: 24.2°C; Fluid Temp: 21.3°C; Barometric Pressure: 102.6 kPa; Humidity: 51%

7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 848.31 MHz; Channel 777; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 0.99$ mho/m, $\epsilon_r = 53.7$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Right Side - High Channel/Area Scan (7x22x1):
 Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Right Side - High Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.522 mW/g
 Reference Value = 9.1 V/m
0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/31/03

DUT: Itronix Model IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: ZZGEG2337ZZ5869
Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

Ambient Temp: 24.2°C; Fluid Temp: 21.3°C; Barometric Pressure: 102.6 kPa; Humidity: 51%

7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 835.89 MHz; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 0.99$ mho/m, $\epsilon_r = 53.7$, $\rho = 1000$ kg/m³)

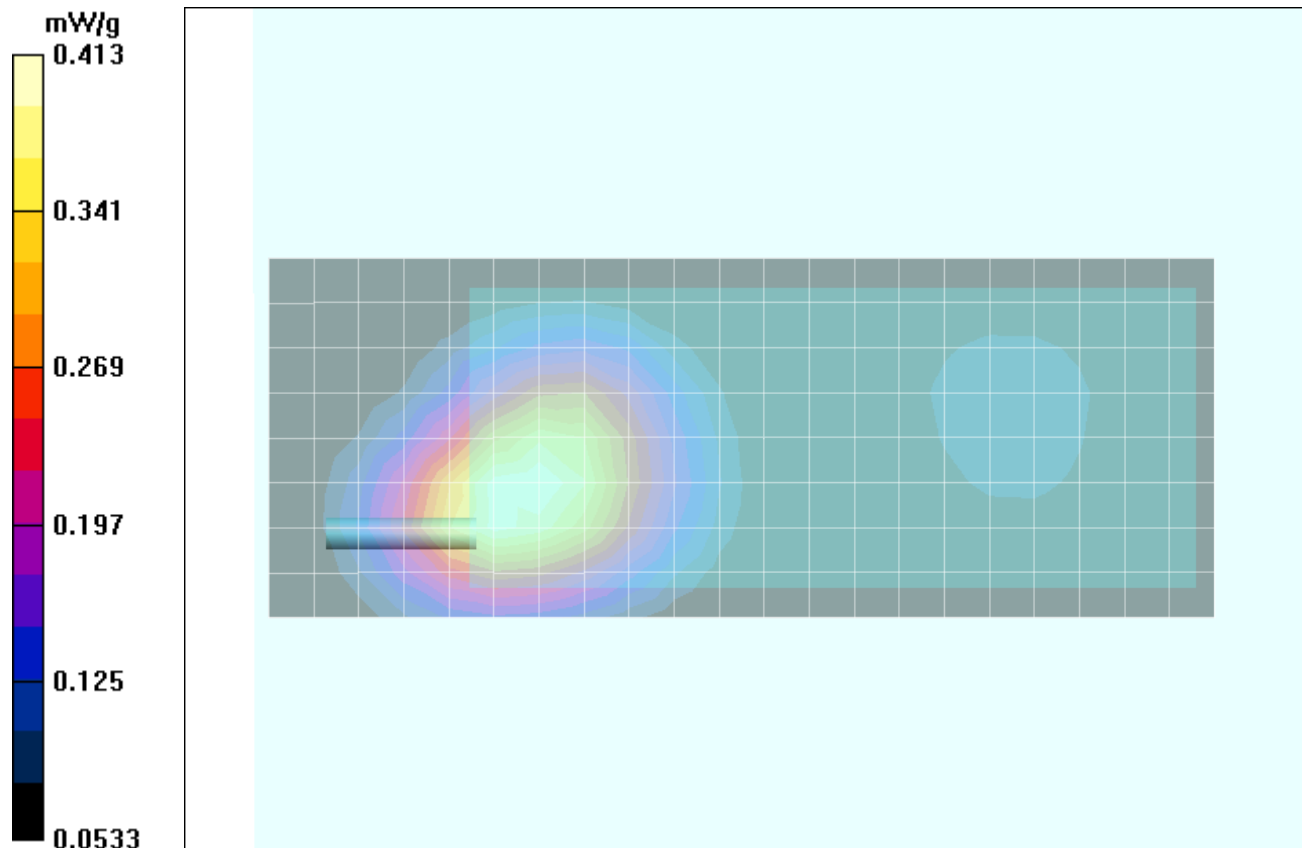
- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Numeric Keypad Unit - Back Side - Mid Channel/Area Scan (9x22x1):

Measurement grid: dx=15mm, dy=15mm

Numeric Keypad Unit - Back Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 0.512 W/kg
SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.284 mW/g
 Reference Value = 6.41 V/m
0.0 cm Separation Distance to Planar Phantom



Date Tested: 10/31/03

DUT: Itronix Model IX100; Type: Handheld PC with AirCard 555/550 Dual-Band CDMA Modem; Serial: CZGEG3106ZZ9295
Body-worn Accessories: Carry-Case (DUT keypad side facing back of case), Ear-Microphone

Ambient Temp: 24.2°C; Fluid Temp: 21.3°C Barometric Pressure: 102.6 kPa; Humidity: 51%

7.4V Lithium-ion Battery
 Communication System: Cellular CDMA
 RF Output Power: 23.0 dBm (Conducted)
 Frequency: 835.89 MHz; Channel: 363; Duty Cycle: 1:1
 Medium: M835 ($\sigma = 0.99$ mho/m, $\epsilon_r = 53.7$, $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(6.4, 6.4, 6.4); Calibrated: 26/02/2003
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 19/05/2003
- Phantom: Planar; Type: Barski Industries; Serial: 03-01
- Measurement SW: DAS4, V4.1 Build 47; Postprocessing SW: SEMCAD, V1.6 Build 116

Alpha-Numeric Keypad Unit - Back Side - Mid Channel/Area Scan (9x22x1):
 Measurement grid: dx=15mm, dy=15mm

Alpha-Numeric Keypad Unit - Back Side - Mid Channel/Zoom Scan (7x7x7)/Cube 0:
 Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Peak SAR (extrapolated) = 0.537 W/kg
SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.299 mW/g
 Reference Value = 6.55 V/m
0.0 cm Separation Distance to Planar Phantom

