

# Itronix Corporation FCC ID: KBCIX260AC555-MPI

SAM Phantom; Flat Section; Position: (0°,0°)

Probe: ET3DV6 - SN1387; ConvF(5.00,5.00,5.00); Crest factor: 1.0

1900 MHz Muscle:  $\sigma = 1.51$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.10 dB

SAR (1g): 1.05 mW/g, SAR (10g): 0.521 mW/g

Body SAR - Back of LCD Display (Closed) - Antenna Parallel to Planar Phantom (Stowed Position)

0.0 cm Separation Distance from Back of LCD Display to Planar Phantom

Itronix IX260 Rugged Laptop PC

with Sierra Wireless AirCard 555 PCS/Cellular CDMA Modem Card

co-located with Cisco MPI-350 Mini-PCI DSSS WLAN Card

PCS CDMA Mode

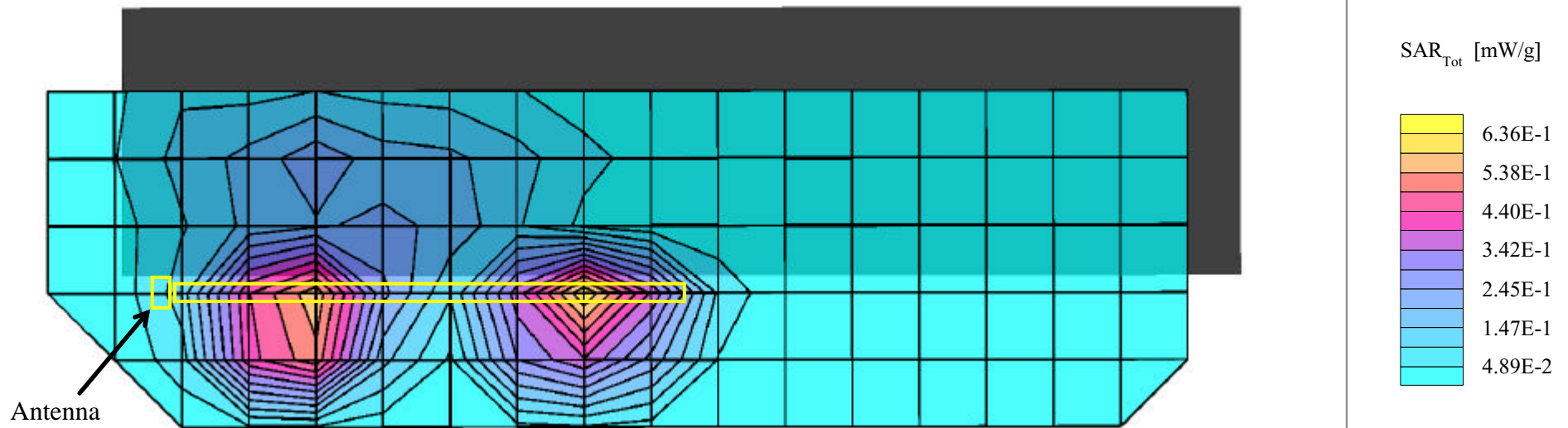
**Single Transmit - PCS CDMA only**

Channel 600 [1880.00 MHz]

Conducted Power: 23.0 dBm

Ambient Temp: 22.2°C; Fluid Temp: 21.4°C

Date Tested: October 31, 2002



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 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Body SAR - Back of LCD Display (Closed) - Antenna Parallel to Planar Phantom (Stowed Position)

0.0 cm Separation Distance from back of LCD Display to Planar Phantom

Itronix IX260 Rugged Laptop PC

with Sierra Wireless AirCard 555 PCS/Cellular CDMA Modem Card

(co-located with Cisco MPI-350 Mini-PCI DSSS WLAN Card)

PCS CDMA Mode

**Single Transmit - PCS CDMA only**

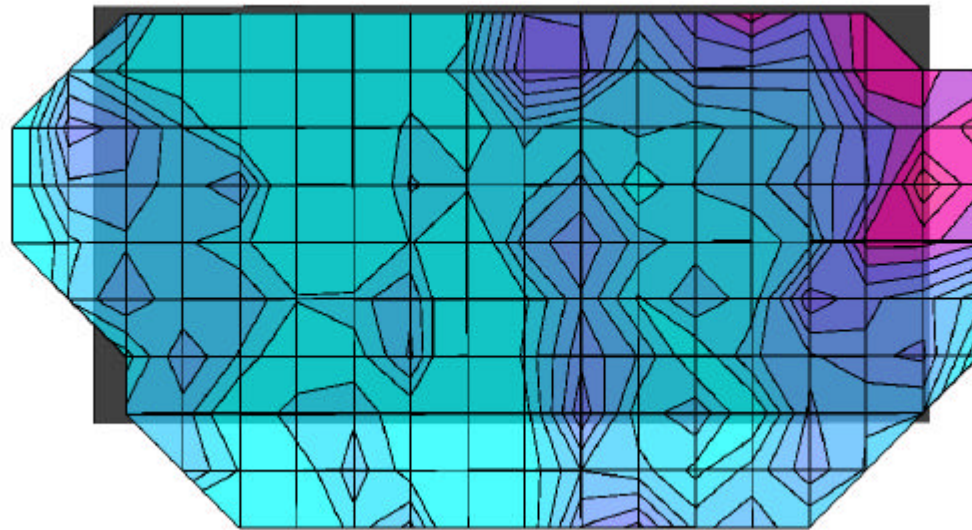
Channel 0600 [1880.00 MHz]

Conducted Power: 23.0 dBm

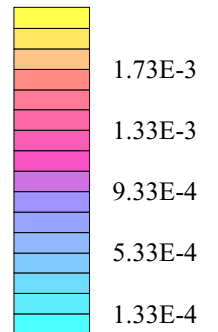
Ambient Temp: 22.2°C; Fluid Temp: 21.4°C

Date Tested: October 31, 2002

## Coarse scan to show Left Half of LCD Display (Back Side)



SAR<sub>Tot</sub> [mW/g]



# Itronix Corporation FCC ID: KBCIX260AC555-MPI

SAM Phantom; Flat Section; Position: (0°,0°)

Probe: ET3DV6 - SN1387; ConvF(5.00,5.00,5.00); Crest factor: 1.0

1900 MHz Muscle:  $\sigma = 1.51$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.19 dB

SAR (1g): 1.15 mW/g, SAR (10g): 0.429 mW/g

Body SAR - Back of LCD Display (Closed) - Antenna Parallel to Planar Phantom (Stowed Position)

0.0 cm Separation Distance from Back of LCD Display to Planar Phantom

Itronix IX260 Rugged Laptop PC

with Sierra Wireless AirCard 555 PCS/Cellular CDMA Modem Card

co-located with Cisco MPI-350 Mini-PCI DSSS WLAN Card

PCS CDMA Mode

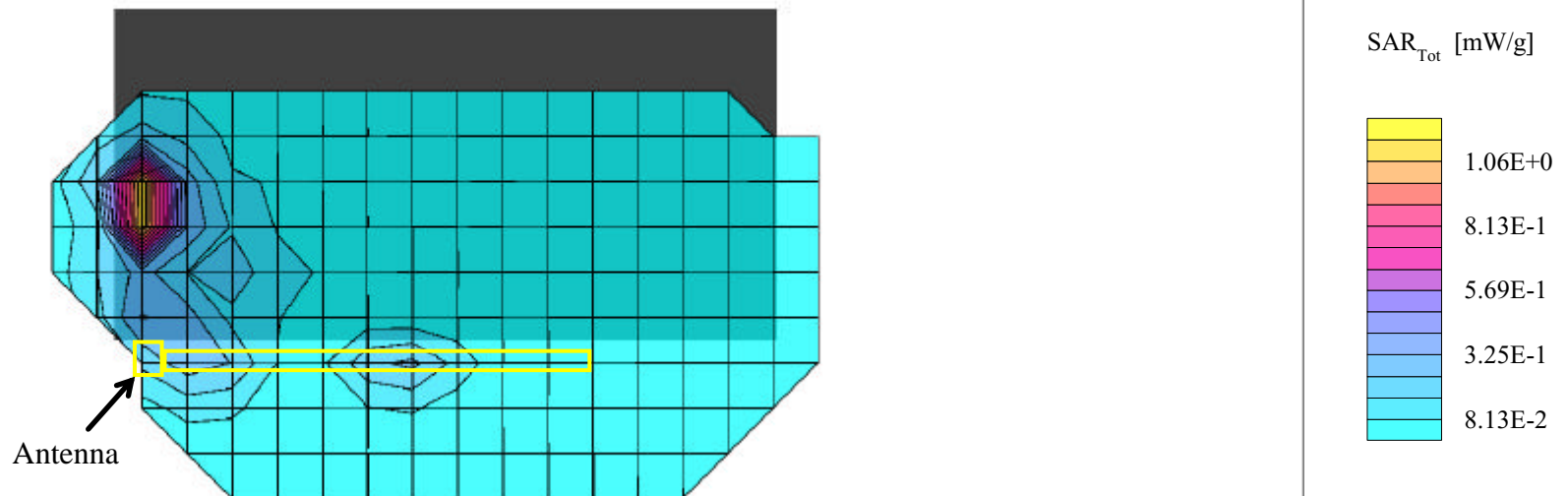
**Simultaneous Transmit with co-located DSSS WLAN Card**

Channel 600 [1880.00 MHz]

Conducted Power: 23.0 dBm

Ambient Temp: 22.2°C; Fluid Temp: 21.4°C

Date Tested: October 31, 2002

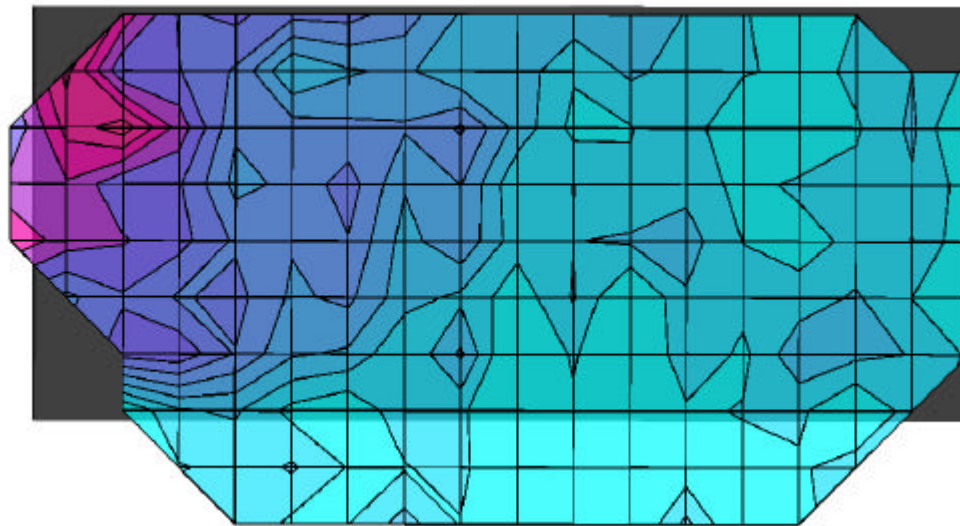


# Itronix Corporation FCC ID: KBCIX260AC555-MPI

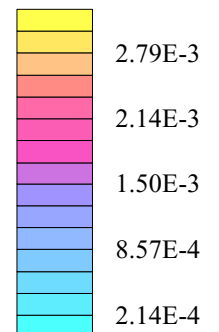
SAM Phantom; Flat Section; Position: (0°,0°)  
 Probe: ET3DV6 - SN1387; ConvF(5.00,5.00,5.00); Crest factor: 1.0  
 1900 MHz Muscle:  $\sigma = 1.51$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Body SAR - Back of LCD Display (Closed) - Antenna Parallel to Planar Phantom (Stowed Position)  
 0.0 cm Separation Distance from back of LCD Display to Planar Phantom  
 Itronix IX260 Rugged Laptop PC  
 with Sierra Wireless AirCard 555 PCS/Cellular CDMA Modem Card  
 co-located with Cisco MPI-350 Mini-PCI DSSS WLAN Card  
 PCS CDMA Mode  
**Simultaneous Transmit with co-located DSSS WLAN Card**  
 Channel 600 [1880.00 MHz]  
 Conducted Power: 23.0 dBm  
 Ambient Temp: 22.2°C; Fluid Temp: 21.4°C  
 Date Tested: October 31, 2002

## Coarse scan to show Left Half of LCD Display (Back Side)



SAR<sub>Tot</sub> [mW/g]



## Itronix Corporation FCC ID: KBCIX260AC555-MPI

SAM Phantom; Flat Section

Probe: ET3DV6 - SN1387; ConvF(5.00,5.00,5.00); Crest factor: 1.0

1900 MHz Muscle:  $\sigma = 1.51$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>

## Z-Axis Extrapolation at Peak SAR Location

Body SAR - Back of LCD Display (Closed) - Antenna Parallel to Planar Phantom (Stowed Position)

0.0 cm Separation Distance from Back of LCD Display to Planar Phantom

Itronix IX260 Rugged Laptop PC

with Sierra Wireless AirCard 555 PCS/Cellular CDMA Modem Card

co-located with Cisco MPI-350 Mini-PCI DSSS WLAN Card

PCS CDMA Mode

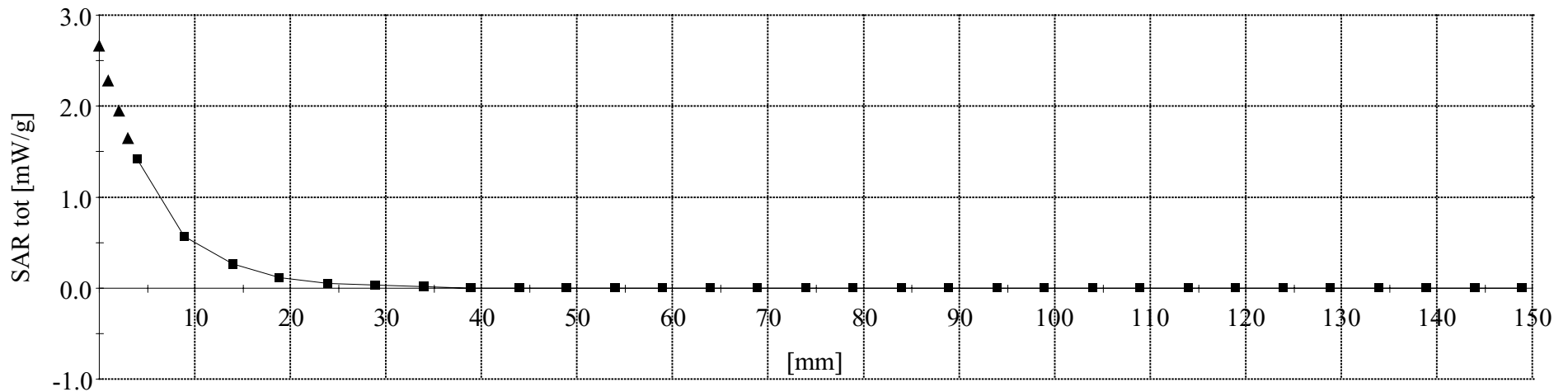
**Simultaneous Transmit with co-located DSSS WLAN Card**

Channel 600 [1880.00 MHz]

Conducted Power: 23.0 dBm

Ambient Temp: 22.2°C; Fluid Temp: 21.4°C

Date Tested: October 31, 2002

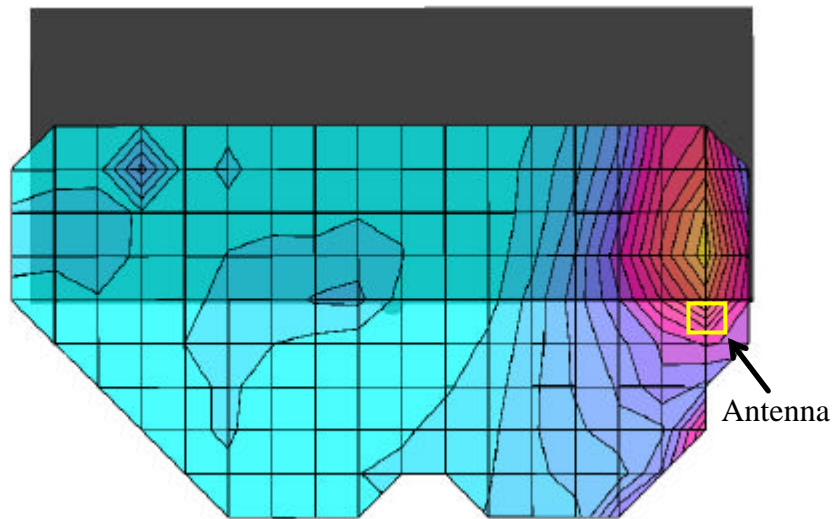


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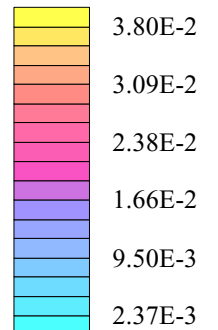
SAM Phantom; Flat Section; Position: (270°,0°)  
 Probe: ET3DV6 - SN1387; ConvF(5.00,5.00,5.00); Crest factor: 1.0  
 1900 MHz Muscle:  $\sigma = 1.51$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.20 dB  
 SAR (1g): 0.0342 mW/g, SAR (10g): 0.0207 mW/g

Body SAR - Bottom of Laptop PC (LCD Display Closed) - Antenna Perpendicular to Planar Phantom (Extended Position)  
 0.0 cm Separation Distance from Bottom of Laptop PC to Planar Phantom  
 Itronix IX260 Rugged Laptop PC  
 with Sierra Wireless AirCard 555 PCS/Cellular CDMA Modem Card  
 (co-located with Cisco MPI-350 Mini-PCI DSSS WLAN Card)  
 PCS CDMA Mode

**Single Transmit - PCS CDMA only**  
 Channel 600 [1880.00 MHz]  
 Conducted Power: 23.0 dBm  
 Ambient Temp: 22.2°C; Fluid Temp: 21.4°C  
 Date Tested: October 31, 2002



SAR<sub>Tot</sub> [mW/g]



# Itronix Corporation FCC ID: KBCIX260AC555-MPI

SAM Phantom; Flat Section; Position: (0°,0°)

Probe: ET3DV6 - SN1387; ConvF(5.00,5.00,5.00); Crest factor: 1.0

1900 MHz Muscle:  $\sigma = 1.51$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Body SAR - Bottom of Laptop PC (LCD Display Closed) - Antenna Perpendicular to Planar Phantom (Extended Position)

0.0 cm Separation Distance from Bottom of Laptop PC to Planar Phantom

Itronix IX260 Rugged Laptop PC

with Sierra Wireless AirCard 555 PCS/Cellular CDMA Modem Card

(co-located with Cisco MPI-350 Mini-PCI DSSS WLAN Card)

PCS CDMA Mode

**Single Transmit - PCS CDMA only**

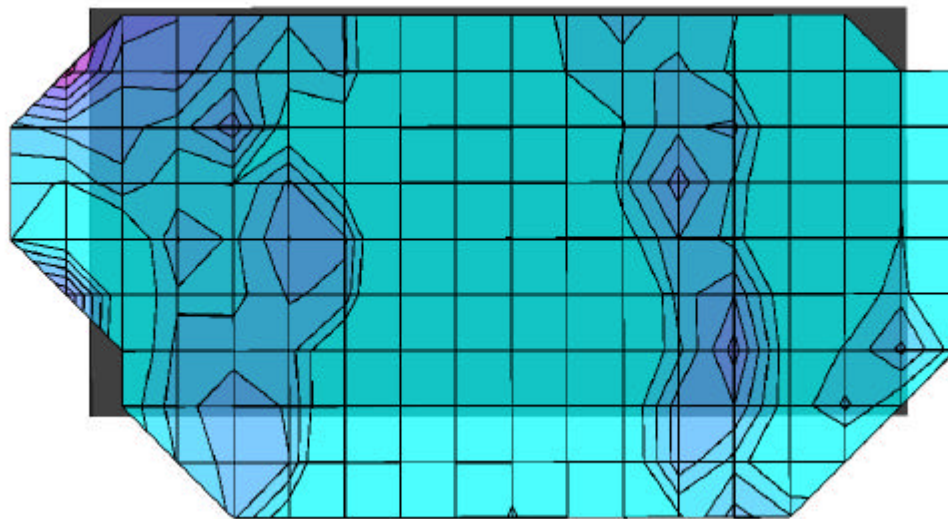
Channel 600 [1880.00 MHz]

Conducted Power: 23.0 dBm

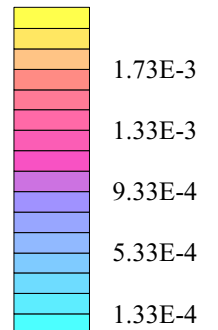
Ambient Temp: 22.2°C; Fluid Temp: 21.4°C

Date Tested: October 31, 2002

## Coarse scan to show Left Half of Bottom Side



SAR<sub>Tot</sub> [mW/g]





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SAM Phantom; Flat Section; Position: (0°,0°)

Probe: ET3DV6 - SN1387; ConvF(5.00,5.00,5.00); Crest factor: 1.0

1900 MHz Muscle:  $\sigma = 1.51$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Cube 5x5x7; Powerdrift: -0.18 dB

SAR (1g): 0.0249 mW/g, SAR (10g): 0.0140 mW/g

Body SAR - Bottom of Laptop PC (LCD Display Closed) - Antenna Perpendicular to Planar Phantom (Extended Position)

0.0 cm Separation Distance from Bottom of Laptop PC to Planar Phantom

Itronix IX260 Rugged Laptop PC

with Sierra Wireless AirCard 555 PCS/Cellular CDMA Modem Card

co-located with Cisco MPI-350 Mini-PCI DSSS WLAN Card

PCS CDMA Mode

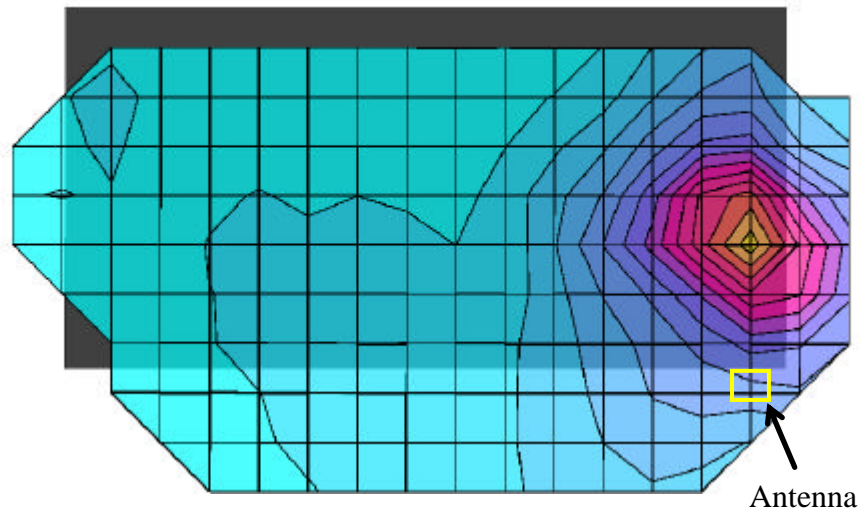
**Simultaneous Transmit with co-located DSSS WLAN Card**

Channel 600 [1880.00 MHz]

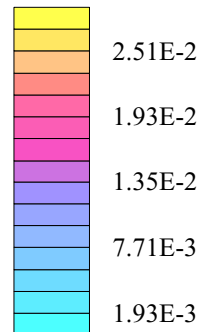
Conducted Power: 23.0 dBm

Ambient Temp: 22.2°C; Fluid Temp: 21.4°C

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SAR<sub>Tot</sub> [mW/g]





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Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Body SAR - Bottom of Laptop PC (LCD Display Closed) - Antenna Perpendicular to Planar Phantom (Extended Position)

0.0 cm Separation Distance from Bottom of Laptop PC to Planar Phantom

Itronix IX260 Rugged Laptop PC

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PCS CDMA Mode

**Simultaneous Transmit with co-located DSSS WLAN Card**

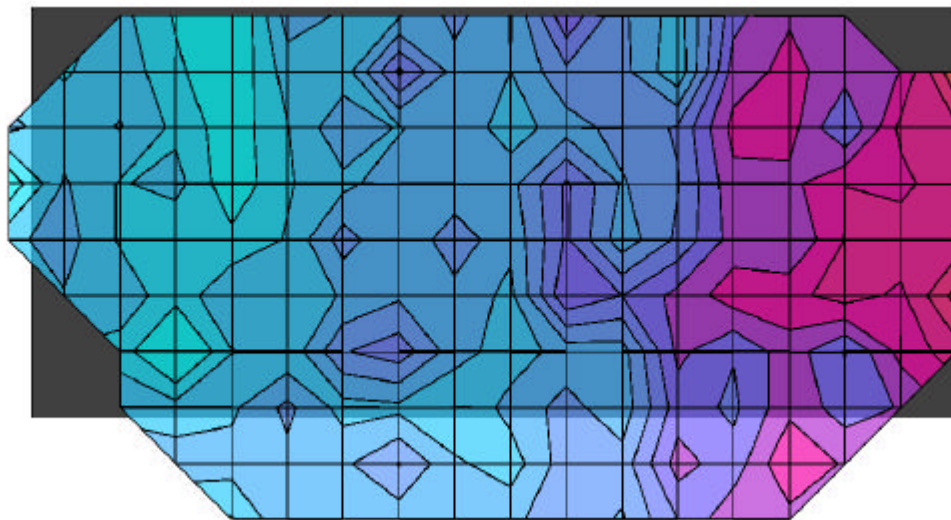
Channel 600 [1880.00 MHz]

Conducted Power: 23.0 dBm

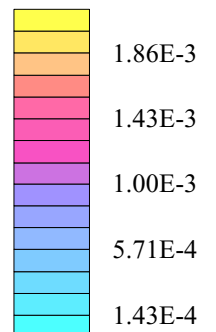
Ambient Temp: 22.2°C; Fluid Temp: 21.4°C

Date Tested: October 31, 2002

## Coarse scan to show Left Half of Bottom Side



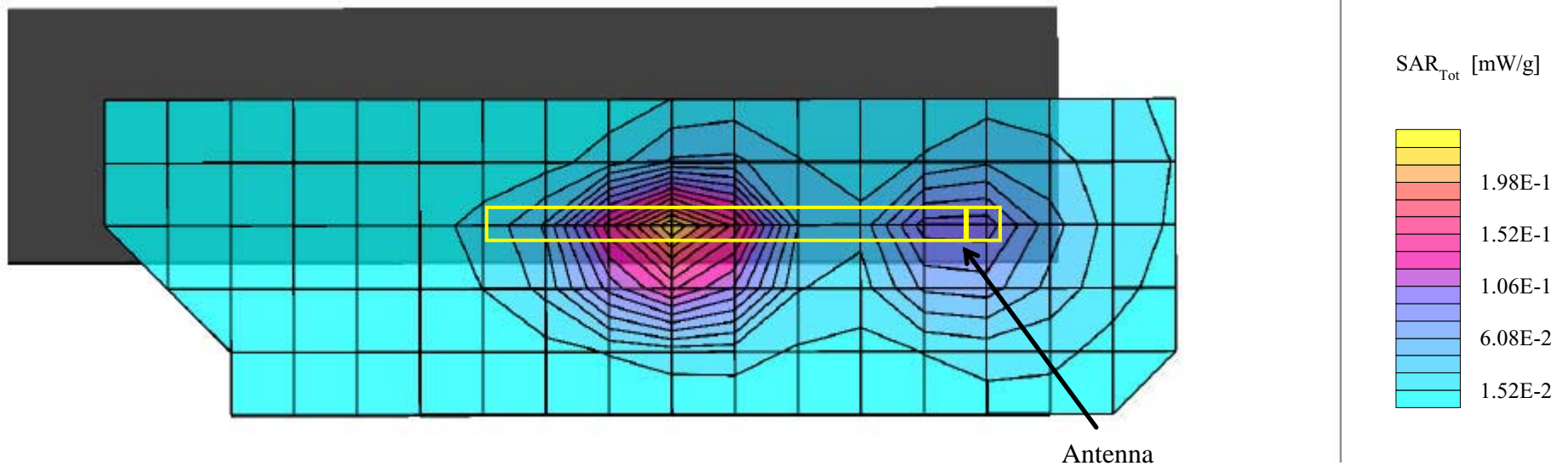
SAR<sub>Tot</sub> [mW/g]



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 1900 MHz Muscle:  $\sigma = 1.51$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.16 dB  
 SAR (1g): 0.212 mW/g, SAR (10g): 0.113 mW/g

Body SAR - Right Side of LCD Display (Closed) - Antenna Parallel to Planar Phantom (Stowed Position)  
 1.5 cm Separation Distance from Antenna to Planar Phantom  
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 PCS CDMA Mode  
**Single Transmit - PCS CDMA only**  
 Channel 600 [1880.00 MHz]  
 Conducted Power: 23.0 dBm  
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 Probe: ET3DV6 - SN1387; ConvF(5.00,5.00,5.00); Crest factor: 1.0  
 1900 MHz Muscle:  $\sigma = 1.51$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
 Cube 5x5x7; Powerdrift: -0.07 dB  
 SAR (1g): 0.150 mW/g, SAR (10g): 0.0804 mW/g

Body SAR - Right Side of LCD Display (Closed) - Antenna Parallel to Planar Phantom (Stowed Position)

1.5 cm Separation Distance from Antenna to Planar Phantom

Itronix IX260 Rugged Laptop PC  
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 PCS CDMA Mode

## Simultaneous Transmit with co-located DSSS WLAN Card

Channel 600 [1880.00 MHz]  
 Conducted Power: 23.0 dBm  
 Ambient Temp: 22.2°C; Fluid Temp: 21.4°C  
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