

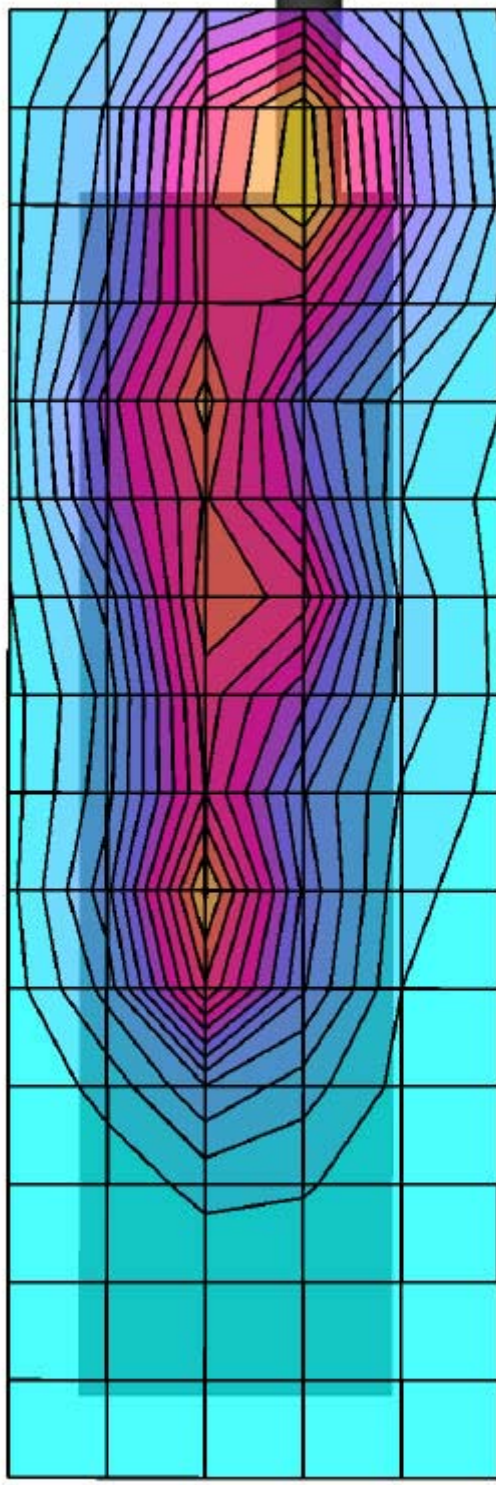
**Exhibit O: CDMA SAR Report - Part 2 of 3**

**FCC ID: HN2ABTM3-3**

# Intermec Technologies Corp. FCC ID: HN2SB555

SAM Phantom; Flat Section; Position: (270°,270°)  
Probe: ET3DV6 - SN1590; ConvF(5.30,5.30,5.30); Crest factor: 1.0  
1900 MHz Muscle:  $\sigma = 1.51 \text{ mho/m}$ ,  $\epsilon_r = 52.3$ ,  $\rho = 1.00 \text{ g/cm}^3$   
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.02 dB  
SAR (1g): 0.458 mW/g, SAR (10g): 0.272 mW/g

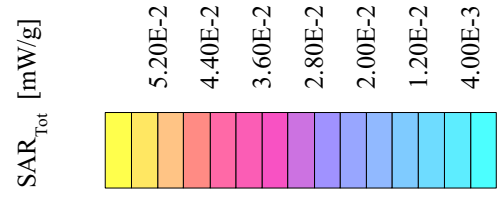
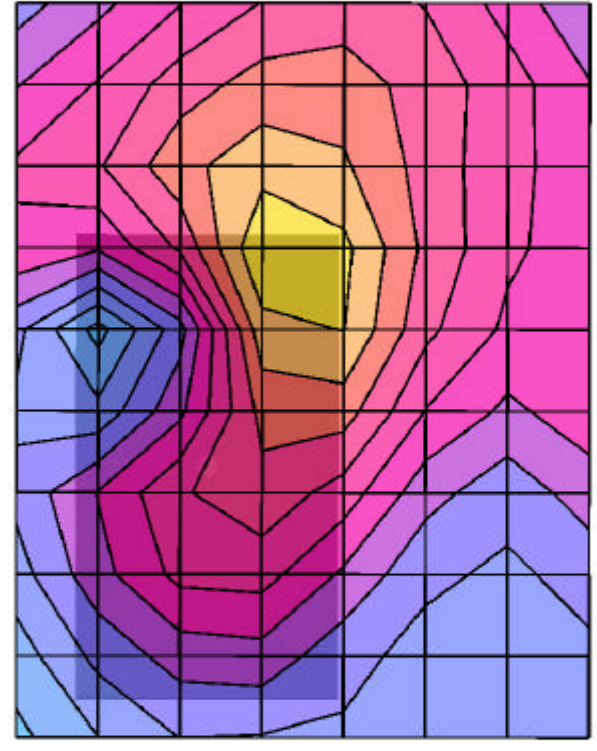
Body SAR - 0.0cm Separation Distance - Right Side of EUT (Antenna Side)  
Handheld Data Terminal with Dual-Band CDMA Modem & DSSS WLAN Card  
Intermec Model: 700C with Dual-Band External Stubby Antenna (P/N: 805-606-002)  
7.2V Lithium-Ion Battery  
PCS CDMA Mode  
Channel 600 [1880.00 MHz]  
Conducted Power: 23.5 dBm  
Ambient Temp. 23.5°C; Fluid Temp. 23.2°C  
Date Tested: February 06, 2003



# Intermec Technologies Corp. FCC ID: HN2SB555

SAM Phantom; Flat Section; Position: (90°,180°)  
Probe: ET3DV6 - SN1590; ConvF(5.30,5.30,5.30); Crest factor: 1.0  
1900 MHz Muscle:  $\sigma = 1.51 \text{ mho/m}$   $\epsilon_r = 52.3$   $\rho = 1.00 \text{ g/cm}^3$   
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: 0.03 dB  
SAR (1g): 0.0573 mW/g, SAR (10g): 0.0364 mW/g

Body SAR - 1.5cm Separation Distance - Top End of EUT (Antenna End)  
Handheld Data Terminal with Dual-Band CDMA Modem & DSSS WLAN Card  
Intermec Model: 700C with Dual-Band External Stubby Antenna (P/N: 805-606-002)  
7.2V Lithium-Ion Battery  
PCS CDMA Mode  
Channel 600 [1880.00 MHz]  
Conducted Power: 23.5 dBm  
Ambient Temp. 23.5°C; Fluid Temp. 23.2°C  
Date Tested: February 06, 2003

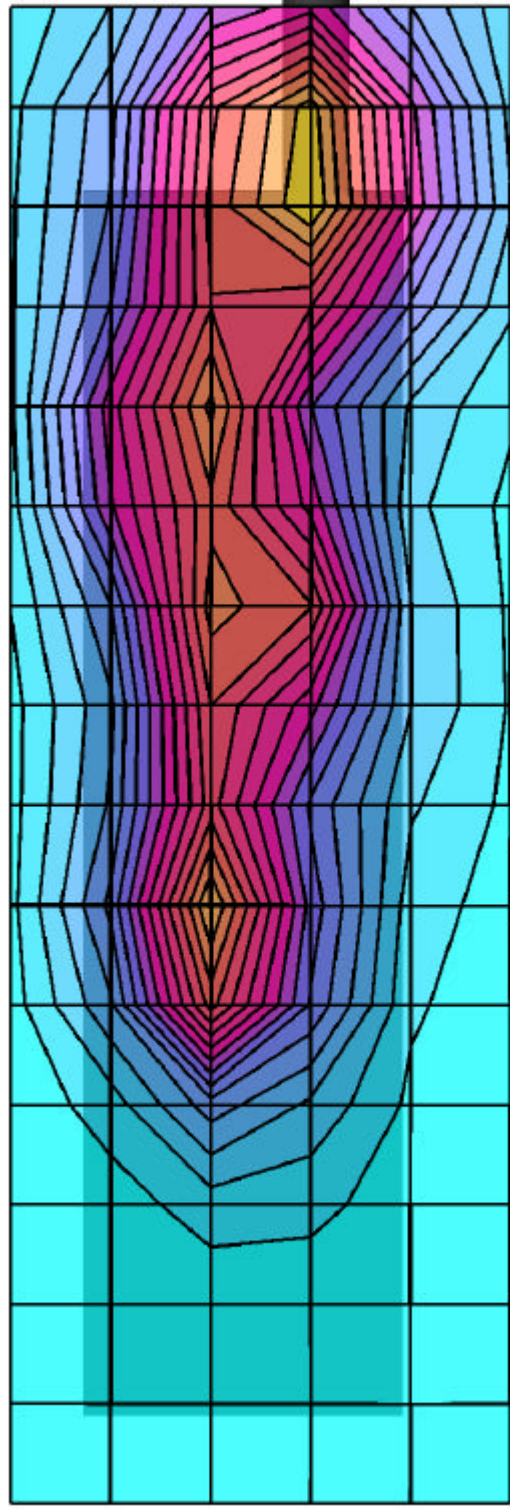


# Intermec Technologies Corp. FCC ID: HN2SB555

SAM Phantom; Flat Section; Position: (270°,270°)  
Probe: ET3DV6 - SN1590; ConvF(5.30,5.30,5.30); Crest factor: 1.0  
1900 MHz Muscle:  $\sigma = 1.51 \text{ mho/m}$ ,  $\epsilon_r = 52.3$ ,  $\rho = 1.00 \text{ g/cm}^3$   
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.13 dB  
SAR (1g): 0.429 mW/g, SAR (10g): 0.255 mW/g

Body SAR - 0.0cm Separation Distance - Right Side of EUT (Antenna Side)  
**Co-located Transmit with DSSS WLAN Card**  
Handheld Data Terminal with Dual-Band CDMA Modem & DSSS WLAN Card  
Intermec Model: 700C with Dual-Band External Stubby Antenna (P/N: 805-606-002)

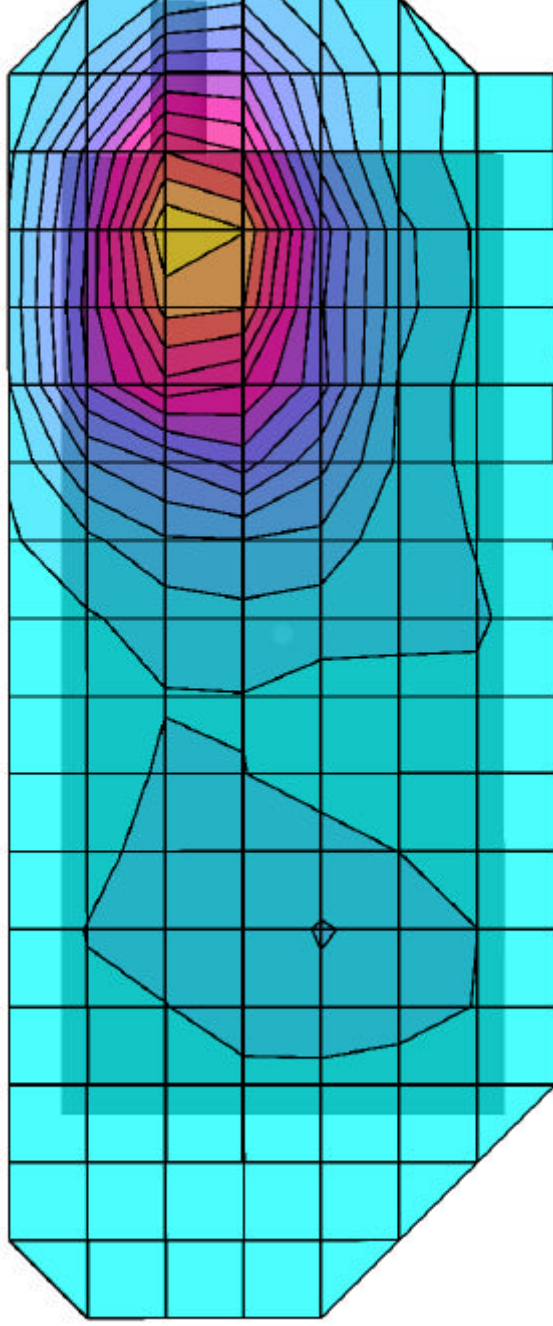
7.2V Lithium-Ion Battery  
PCS CDMA Mode  
Channel 600 [1880.00 MHz]  
Conducted Power: 23.5 dBm  
Ambient Temp. 23.5°C; Fluid Temp. 23.2°C  
Date Tested: February 06, 2003



# Intermec Technologies Corp. FCC ID: HN2SB555

SAM Phantom; Flat Section; Position: (90°,90°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 53.1$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.13 dB  
SAR (1g): 0.308 mW/g, SAR (10g): 0.178 mW/g

Body SAR - 0.0cm Separation Distance - Back of EUT  
Handheld Data Terminal with Dual-Band CDMA Modem & DSSS WLAN Card  
Intermec Model: 700C with Dual-Band External Stubby Antenna (P/N: 805-606-002)  
7.2V Lithium-Ion Battery  
Cellular CDMA Mode  
Channel 363 [835.89 MHz]  
Conducted Power: 23.5 dBm  
Ambient Temp. 23.5°C; Fluid Temp. 23.4°C  
Date Tested: February 06, 2003



# Intermec Technologies Corp. FCC ID: HN2SB555

SAM Phantom; Planar Section

Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 53.1$   $\rho = 1.00$  g/cm<sup>3</sup>

## Z-Axis Extrapolation at Peak SAR Location

Body SAR - 0.0cm Separation Distance - Back of EUT  
Handheld Data Terminal with Dual-Band CDMA Modem & DSSS WLAN Card  
Intermec Model: 700C with Dual-Band External Stubby Antenna (P/N: 805-606-002)

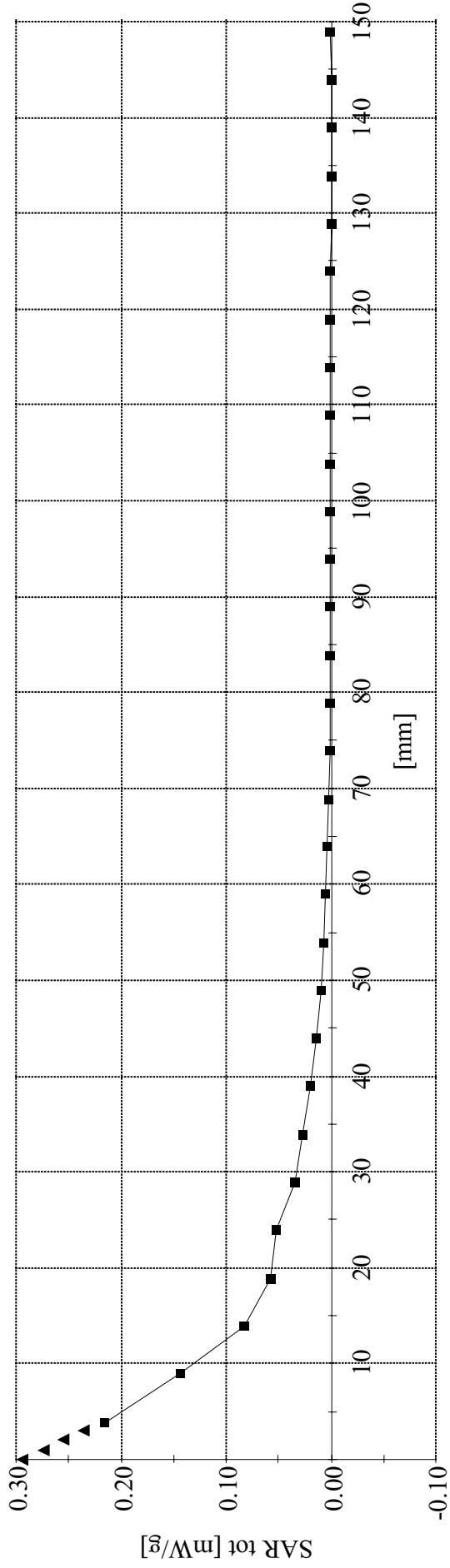
7.2V Lithium-Ion Battery  
Cellular CDMA Mode

Channel 363 [835.89 MHz]

Conducted Power: 23.5 dBm

Ambient Temp. 23.5°C; Fluid Temp. 23.4°C

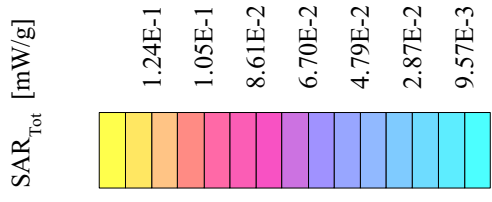
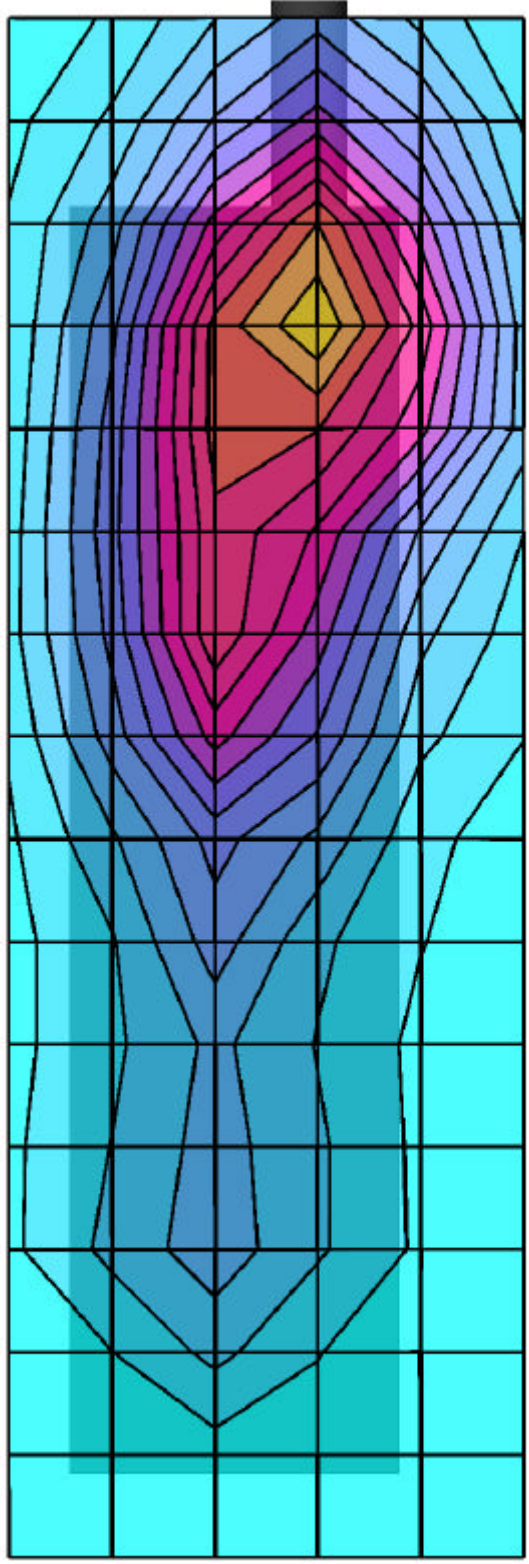
Date Tested: February 06, 2003



# Intermec Technologies Corp. FCC ID: HN2SB555

SAM Phantom; Flat Section; Position: (270°, 270°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 53.1$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.08 dB  
SAR (1g): 0.0616 mW/g, SAR (10g): 0.0425 mW/g

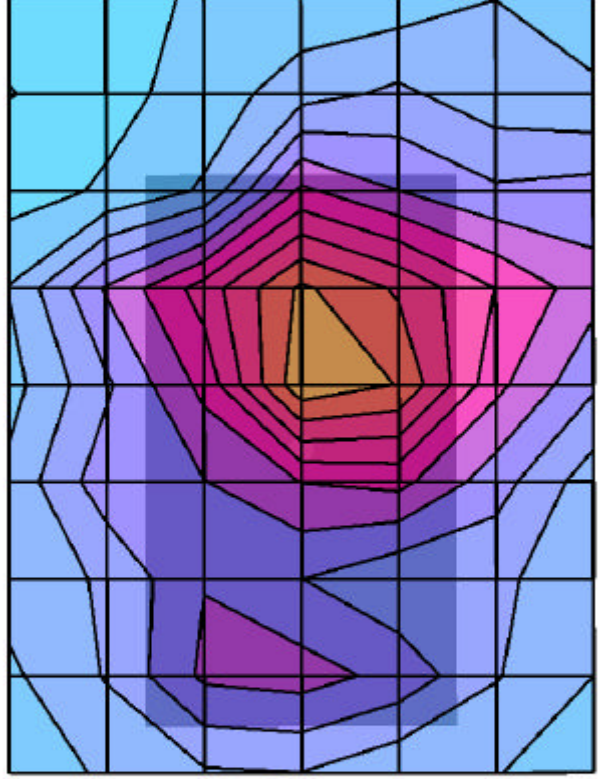
Body SAR - 0.0cm Separation Distance - Right Side of EUT (Antenna Side)  
Handheld Data Terminal with Dual-Band CDMA Modem & DSSS WLAN Card  
Intermec Model: 700C with Dual-Band External Stubby Antenna (P/N: 805-606-002)  
7.2V Lithium-Ion Battery  
Cellular CDMA Mode  
Channel 363 [835.89 MHz]  
Conducted Power: 23.5 dBm  
Ambient Temp: 23.5°C; Fluid Temp: 23.4°C  
Date Tested: February 06, 2003



# Intermec Technologies Corp. FCC ID: HN2SB555

SAM Phantom; Flat Section; Position: (90°,180°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 53.1$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.17 dB  
SAR (1g): 0.0048 mW/g, SAR (10g): 0.0033 mW/g

Body SAR - 1.5cm Separation Distance - Top End of EUT (Antenna End)  
Handheld Data Terminal with Dual-Band CDMA Modem & DSSS WLAN Card  
Intermec Model: 700C with Dual-Band External Stubby Antenna (P/N: 805-606-002)  
7.2V Lithium-Ion Battery  
Cellular CDMA Mode  
Channel 363 [835.89 MHz]  
Conducted Power: 23.5 dBm  
Ambient Temp. 23.5°C; Fluid Temp. 23.4°C  
Date Tested: February 06, 2003

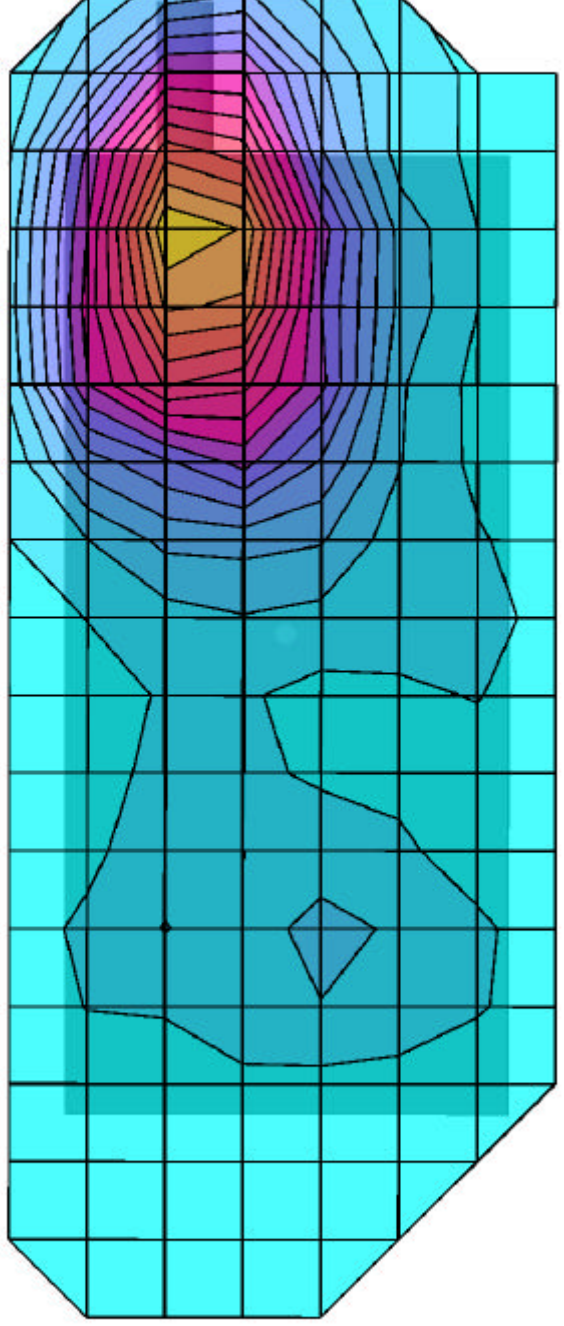




# Intermec Technologies Corp. FCC ID: HN2SB555

SAM Phantom; Flat Section; Position: (90°,90°)  
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0  
835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 53.1$   $\rho = 1.00$  g/cm<sup>3</sup>  
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.14 dB  
SAR (1g): 0.301 mW/g, SAR (10g): 0.174 mW/g

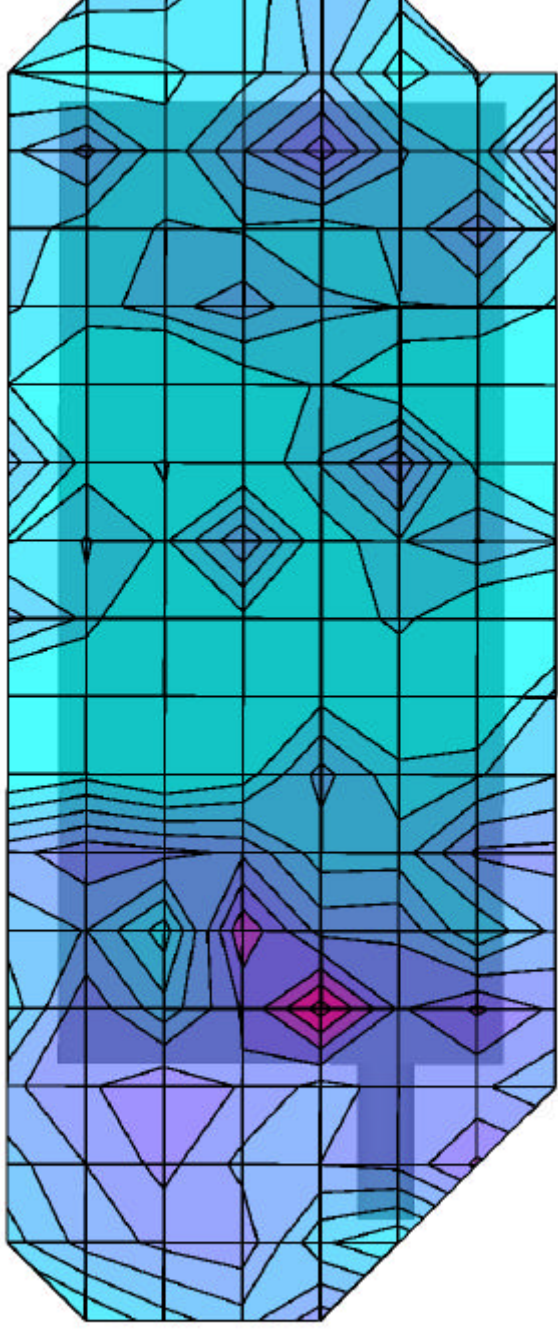
Body SAR - 0.0cm Separation Distance - Back of EUT (Co-located Transmit with DSSS WLAN Card)  
Handheld Data Terminal with Dual-Band CDMA Modem & DSSS WLAN Card  
Intermec Model: 700C with Dual-Band External Stubby Antenna (P/N: 805-606-002)  
7.2V Lithium-Ion Battery  
Cellular CDMA Mode  
Channel 363 [835.89 MHz]  
Conducted Power: 23.5 dBm  
Ambient Temp. 23.5°C; Fluid Temp. 23.4°C  
Date Tested: February 06, 2003



# Intermec Technologies Corp. FCC ID: HN2SB555

SAM Phantom; Flat Section; Position: (270°, 90°)  
Probe: ET3DV6 - SN1590; ConvF(4.10,4.10,4.10); Crest factor: 1.0  
2450 MHz Muscle:  $\sigma = 2.01 \text{ mho/m}$ ,  $\epsilon_r = 47.8$ ,  $\rho = 1.00 \text{ g/cm}^3$   
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.05 dB  
SAR (1g): 0.0018 mW/g, SAR (10g): 0.0009 mW/g

Body SAR - 0.0cm Separation Distance - Back of EUT  
Handheld Data Terminal with DSSS WLAN Card  
Intermec Model: 700C with Internal Patch Antenna  
7.2V Lithium-Ion Battery  
Continuous Wave Mode  
Mid Channel [2437 MHz]  
Conducted Power: 17.0 dBm  
Ambient Temp. 23.5°C; Fluid Temp. 23.5°C  
Date Tested: February 07, 2003



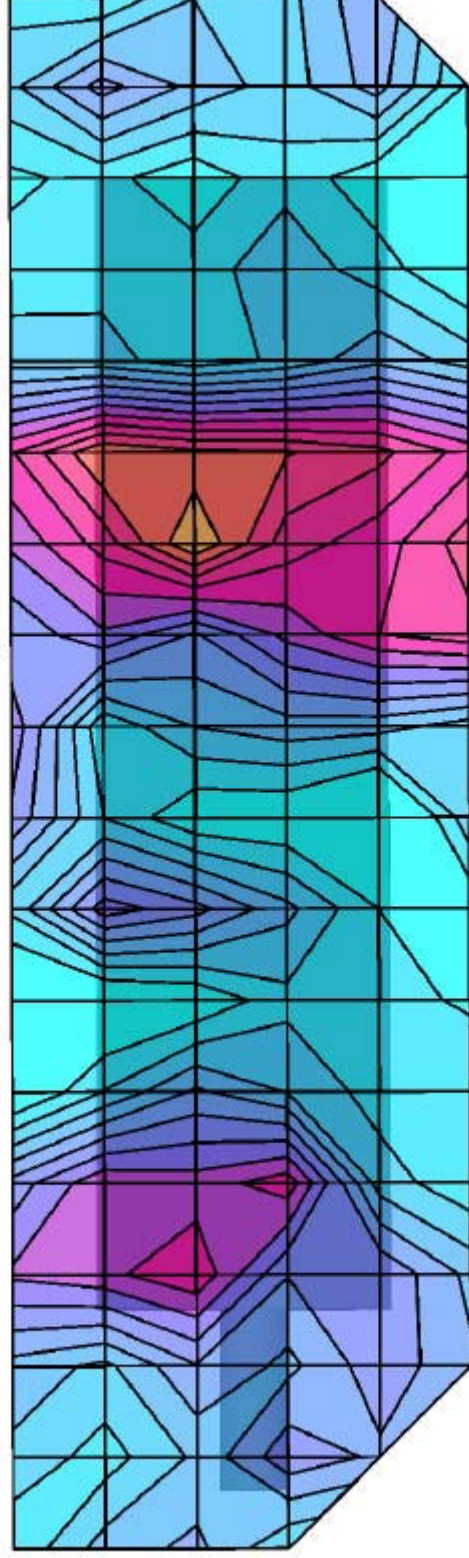
SAR<sub>tot</sub> [mW/g]

2.79E-3
2.36E-3
1.93E-3
1.50E-3
1.07E-3
6.43E-4
2.14E-4

# Intermec Technologies Corp. FCC ID: HN2SB555

SAM Phantom; Flat Section; Position: (270°, 90°)  
Probe: ET3DV6 - SN1590; ConvF(4.10,4.10,4.10); Crest factor: 1.0  
2450 MHz Muscle:  $\sigma = 2.01 \text{ mho/m}$ ,  $\epsilon_r = 47.8$ ,  $\rho = 1.00 \text{ g/cm}^3$   
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.01 dB  
SAR (1g): 0.0008 mW/g, SAR (10g): 0.0004 mW/g

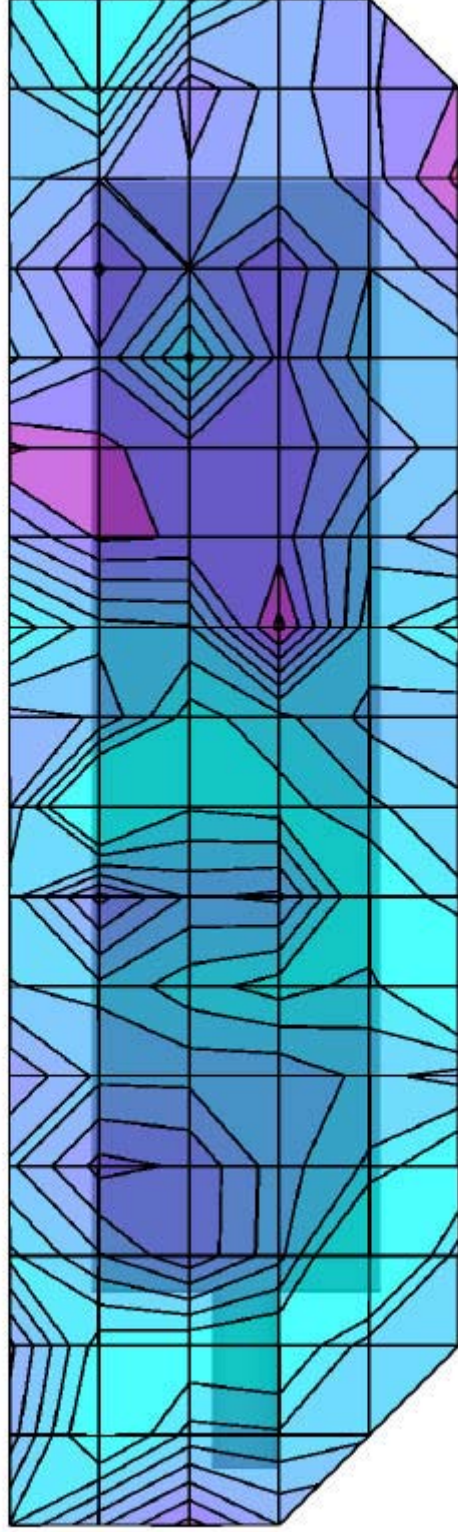
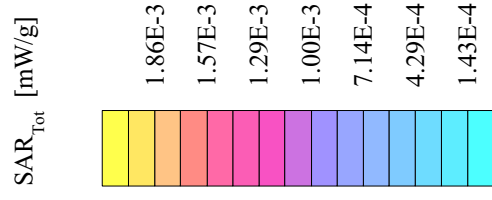
Body SAR - 0.0cm Separation Distance - Left Side of EUT  
Handheld Data Terminal with DSSS WLAN Card  
Intermec Model: 700C with Internal Patch Antenna  
7.2V Lithium-Ion Battery  
Continuous Wave Mode  
Mid Channel [2437 MHz]  
Conducted Power: 17.0 dBm  
Ambient Temp. 23.5°C; Fluid Temp. 23.5°C  
Date Tested: February 07, 2003



# Intermec Technologies Corp. FCC ID: HN2SB555

SAM Phantom; Flat Section; Position: (270°, 90°)  
Probe: ET3DV6 - SN1590; ConvF(4.10,4.10,4.10); Crest factor: 1.0  
2450 MHz Muscle:  $\sigma = 2.01 \text{ mho/m}$ ,  $\epsilon_r = 47.8$ ,  $\rho = 1.00 \text{ g/cm}^3$   
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0  
Cube 5x5x7; Powerdrift: -0.07 dB  
SAR (1g): 0.0016 mW/g, SAR (10g): 0.0010 mW/g

Body SAR - 0.0cm Separation Distance - Right Side of EUT  
Handheld Data Terminal with DSSS WLAN Card  
Intermec Model: 700C with Internal Patch Antenna  
7.2V Lithium-Ion Battery  
Continuous Wave Mode  
Mid Channel [2437 MHz]  
Conducted Power: 17.0 dBm  
Ambient Temp. 23.5°C; Fluid Temp. 23.5°C  
Date Tested: February 07, 2003



## APPENDIX B - SYSTEM CHECK DATA

# System Performance Check - 1800MHz Dipole

SAM Phantom; Flat Section

Probe: ET3DV6 - SNI1590; ConvF(5.60,5.60,5.60); Crest factor: 1.0; 1800 MHz Brain:  $\sigma = 1.41 \text{ mho/m}$   $\epsilon_r = 40.0$   $\rho = 1.00 \text{ g/cm}^3$

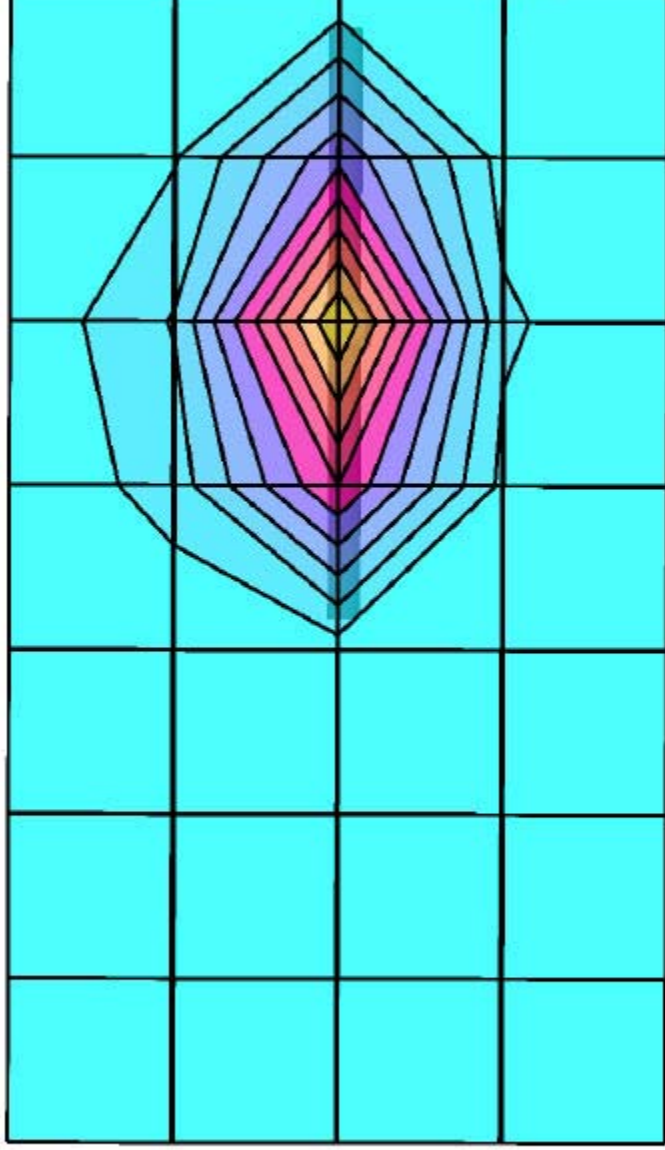
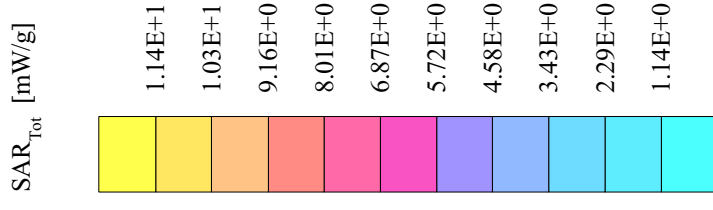
Cube 5x5x7; Peak: 18.8 mW/g, SAR (1g): 9.95 mW/g, SAR (10g): 5.16 mW/g, (Worst-case extrapolation)

Penetration depth: 8.2 (7.7, 9.4) [mm]; Powerdrift: 0.02 dB

Ambient Temp. 23.3°C; Fluid Temp. 22.5°C

Forward Conducted Power: 250 mW

Date Tested: February 05, 2003



# System Performance Check - 1800MHz Dipole

SAM Phantom; Flat Section

Probe: ET3DV6 - SNI1590; ConvF(5.60,5.60,5.60); Crest factor: 1.0; 1800 MHz Brain:  $\sigma = 1.41 \text{ mho/m}$   $\epsilon_r = 40.0$   $\rho = 1.00 \text{ g/cm}^3$

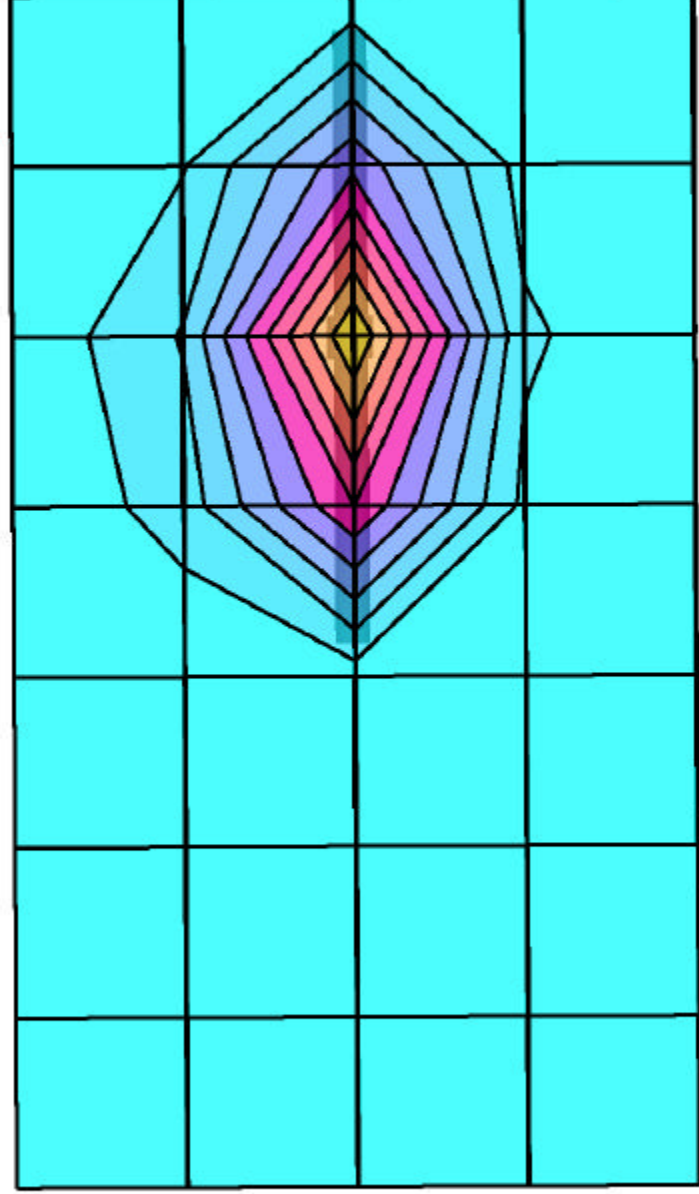
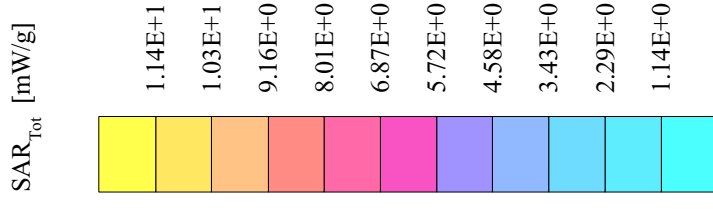
Cube 5x5x7; Peak: 18.5 mW/g, SAR (1g): 9.80 mW/g, SAR (10g): 5.09 mW/g, (Worst-case extrapolation)

Penetration depth: 8.1 (7.6, 9.3) [mm]; Powerdrift: 0.01 dB

Ambient Temp. 23.5°C; Fluid Temp. 23.4°C

Forward Conducted Power: 250 mW

Date Tested: February 06, 2003



# System Performance Check - 900MHz Dipole

SAM Phantom; Flat Section

Probe: ET3DV6 - SNI1590; ConvF(6.90,6.90,6.90); Crest factor: 1.0; 900 MHz Brain:  $\sigma = 0.97$  mho/m  $\epsilon_r = 41.0$   $\rho = 1.00$  g/cm<sup>3</sup>

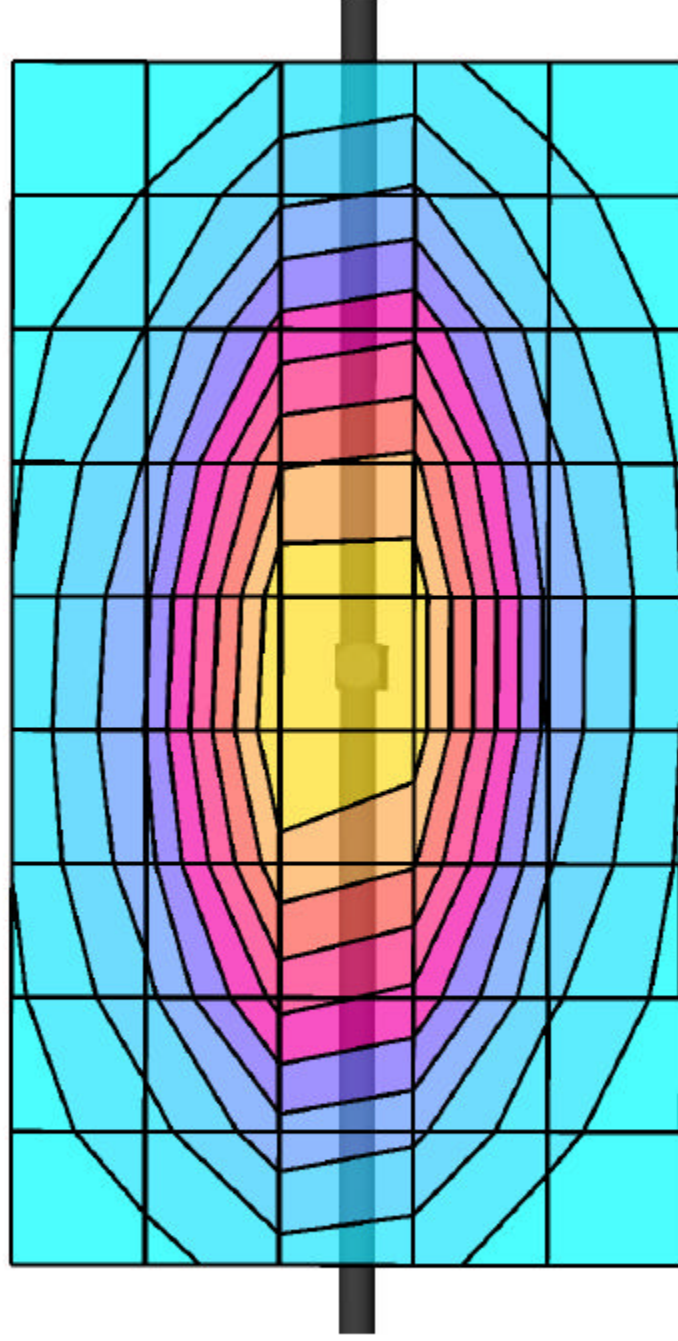
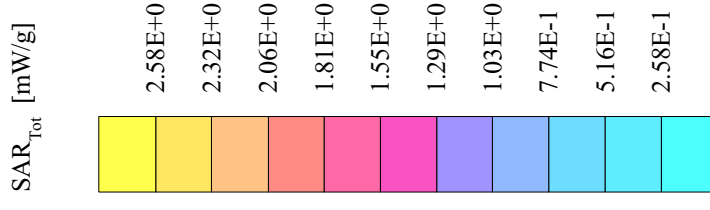
Cube 5x5x7; Peak: 4.40 mW/g, SAR (1g): 2.71 mW/g, SAR (10g): 1.70 mW/g, (Worst-case extrapolation)

Penetration depth: 11.3 (10.2, 12.8) [mm]; Powerdrift: -0.05 dB

Ambient Temp. 23.3°C; Fluid Temp. 22.3°C

Forward Conducted Power: 250 mW

Date Tested: February 05, 2003





# System Performance Check - 900MHz Dipole

SAM Phantom; Flat Section

Probe: ET3DV6 - SNI1590; ConvF(6.90,6.90,6.90); Crest factor: 1.0; 900 MHz Brain:  $\sigma = 0.97$  mho/m  $\epsilon_r = 41.1$   $\rho = 1.00$  g/cm<sup>3</sup>

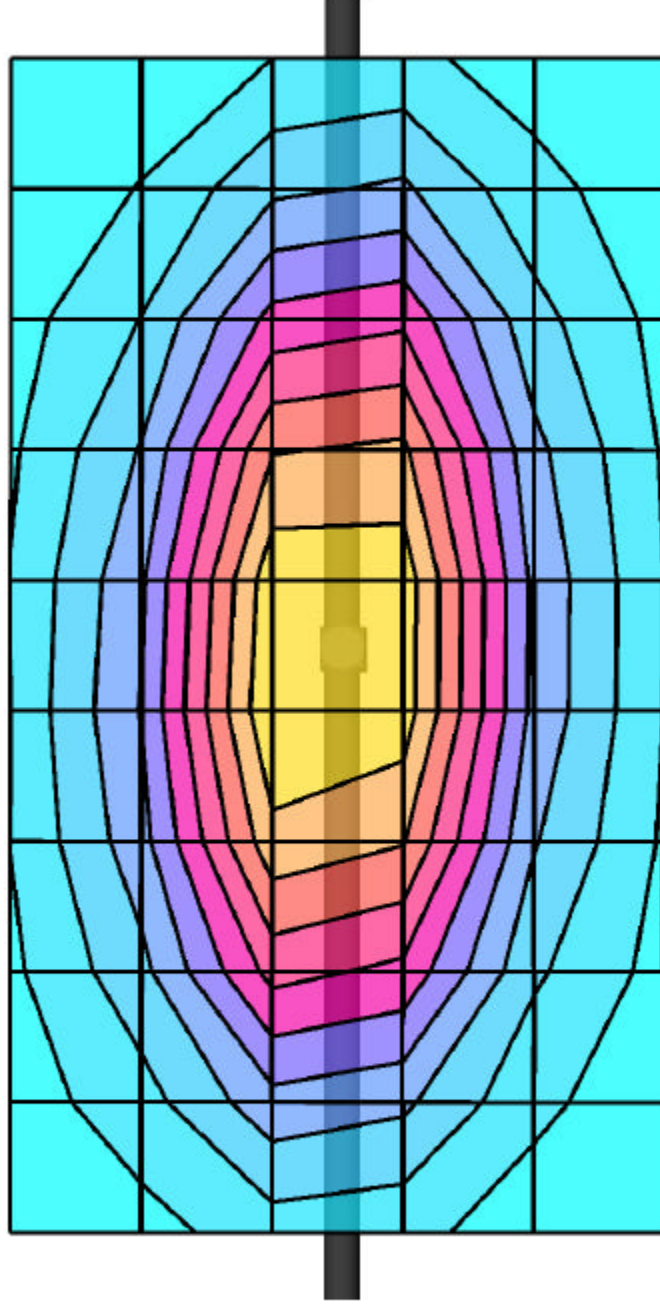
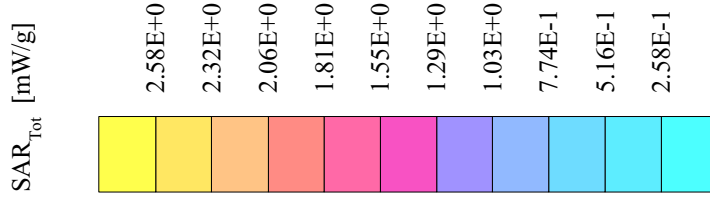
Cube 5x5x7; Peak: 4.44 mW/g, SAR (1g): 2.74 mW/g, SAR (10g): 1.72 mW/g, (Worst-case extrapolation)

Penetration depth: 11.2 (10.1, 12.7) [mm]; Powerdrift: -0.03 dB

Ambient Temp. 23.5°C; Fluid Temp. 23.3°C

Forward Conducted Power: 250 mW

Date Tested: February 06, 2003



# System Performance Check - 2450MHz Dipole

SAM Phantom; Flat Section

Probe: ET3DV6 - SNI1590; ConvF(4.50,4.50,4.50); Crest factor: 1.0; 2450MHz Brain:  $\sigma = 1.87 \text{ mho/m}$   $\epsilon_r = 35.6$   $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; Peak: 30.2 mW/g, SAR (1g): 14.2 mW/g, SAR (10g): 6.44 mW/g, (Worst-case extrapolation)

Penetration depth: 6.2 (6.1, 7.0) [mm]; Powerdrift: -0.01 dB

Ambient Temp. 23.4°C; Fluid Temp. 23.5°C

Forward Conducted Power: 250 mW

Date Tested: February 07, 2003

