

Telson Electronics USA, Inc., Model No: TDC-8200  
FCC ID: MC6TDC8200

Date of Test: April 14 to 17, 2003

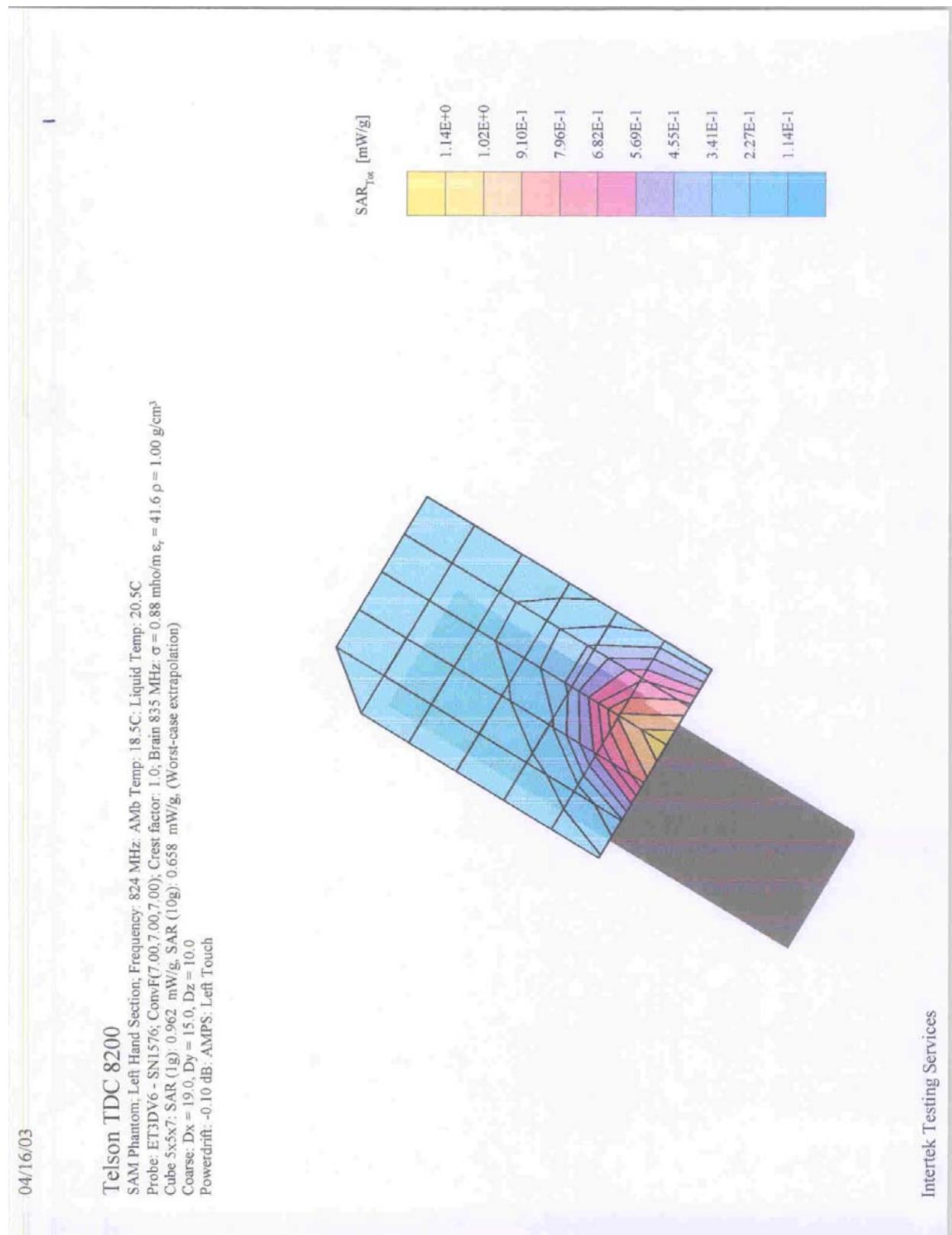
## **APPENDIX A - SAR Evaluation Data**

Please note that the graphical visualization of the phone position onto the SAR distribution gives only limited information on the current distribution of the device, since the curvature of the head results in graphical distortion. Full information can only be obtained either by H-field scans in free space or SAR evaluation with a flat phantom.

**Power drift** is the measurement of power drift of the device over one complete SAR scan.

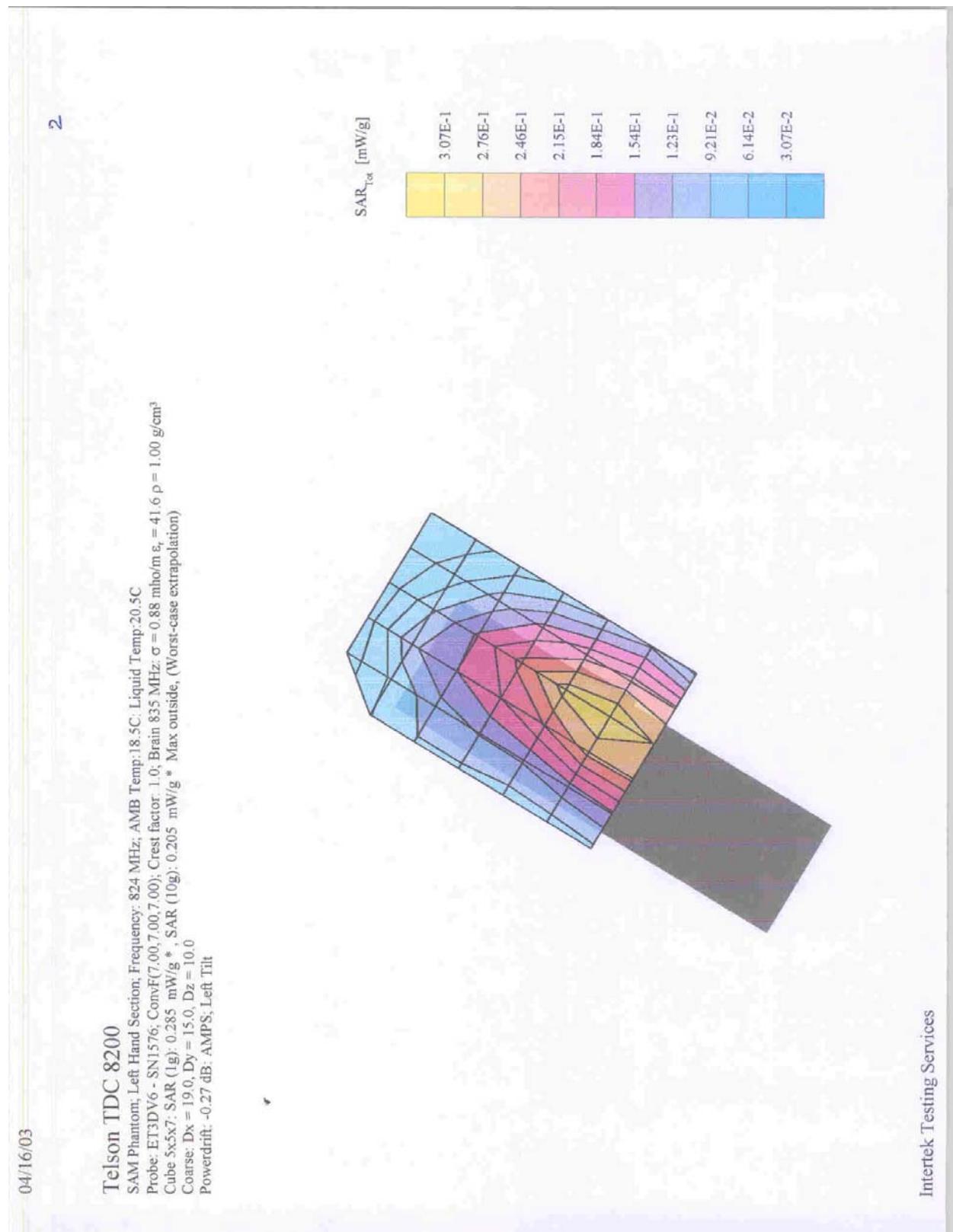
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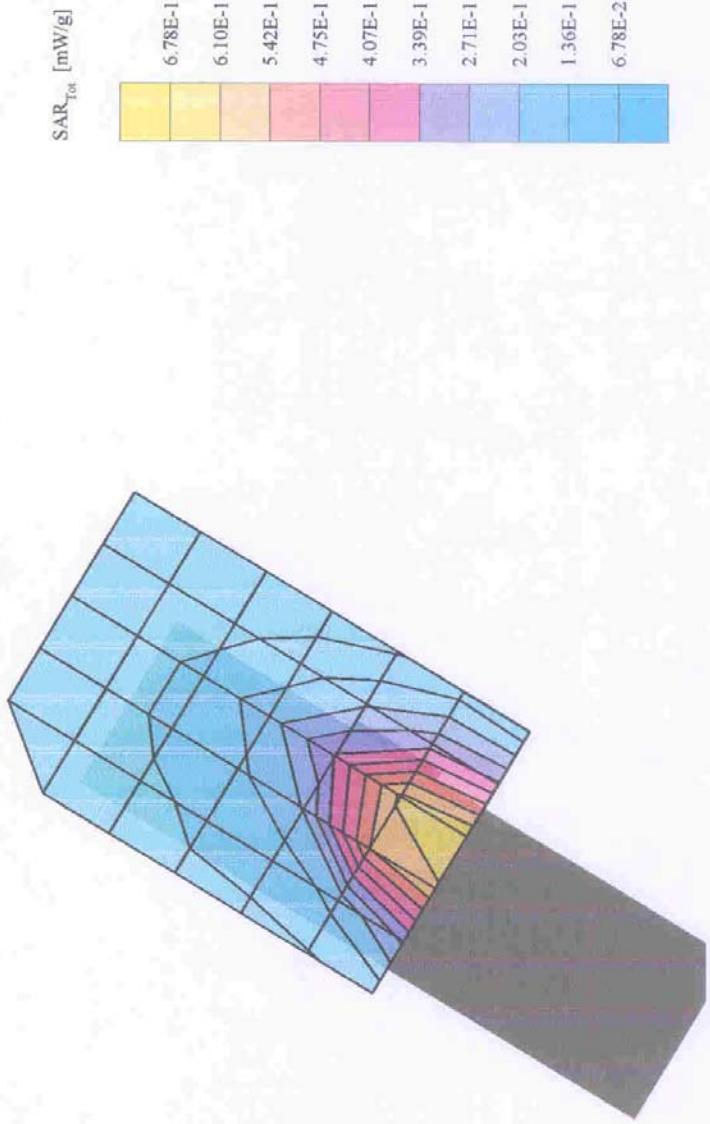
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Date of Test: April 14 to 17, 2003

**3**

04/15/03

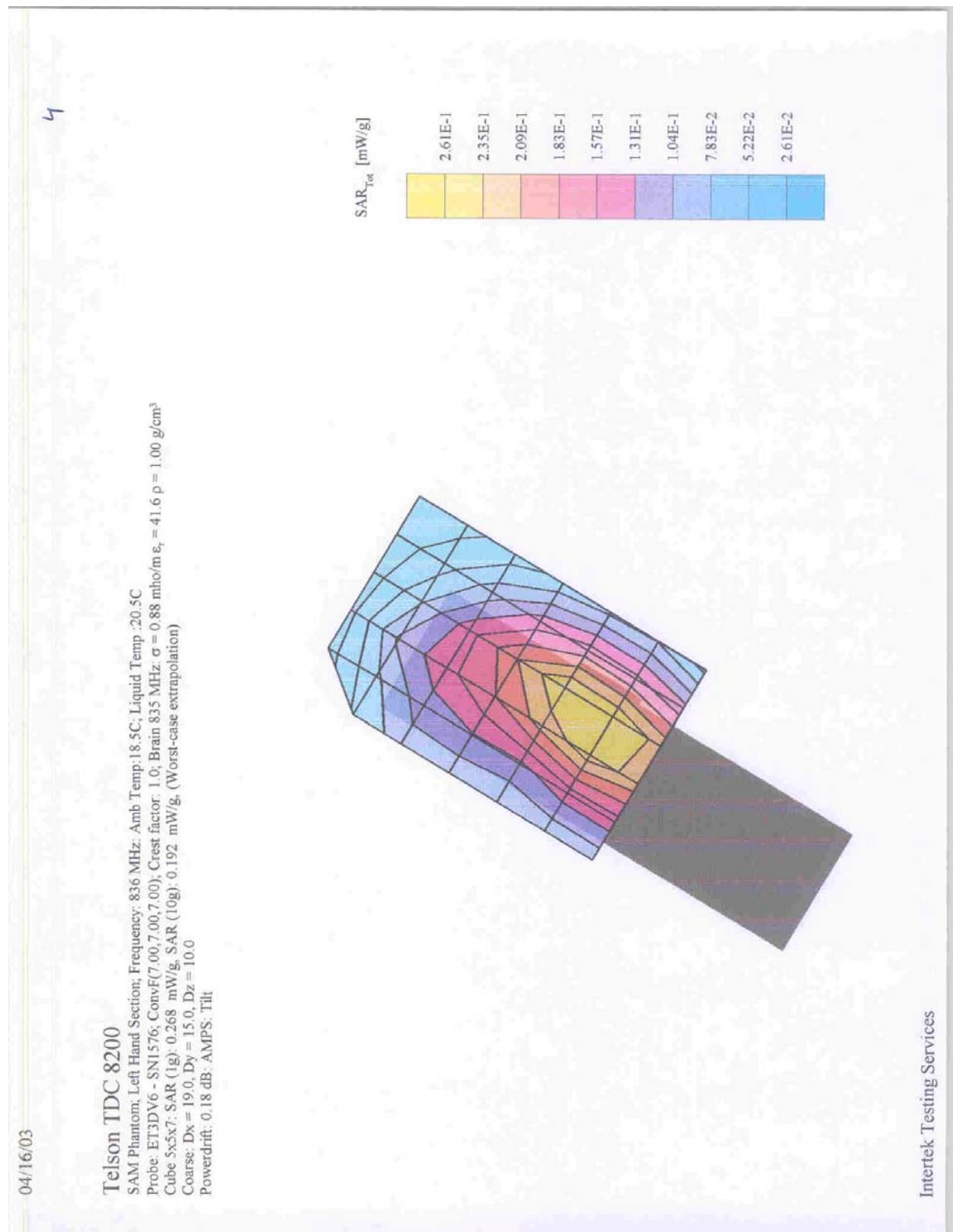
**Telson TDC 8200**  
SAM Phantom; Left Hand Section; Frequency: 836 MHz; Amb temp: 20.8C; Liquid Temp: 21.0C  
Probe: ET3DV6 - SN1576; ConvF(7.00,7.00,7.00); Crest factor: 1.0; Brain: 835 MHz;  $\sigma = 0.88$  mho/m  $\epsilon_r = 41.6$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube: 5x5x7; SAR (1g): 0.651 mW/g, SAR (10g): 0.440 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 19.0, Dy = 15.0, Dz = 10.0  
Powerdrift: -0.07 dB; AMPS; Left Touch



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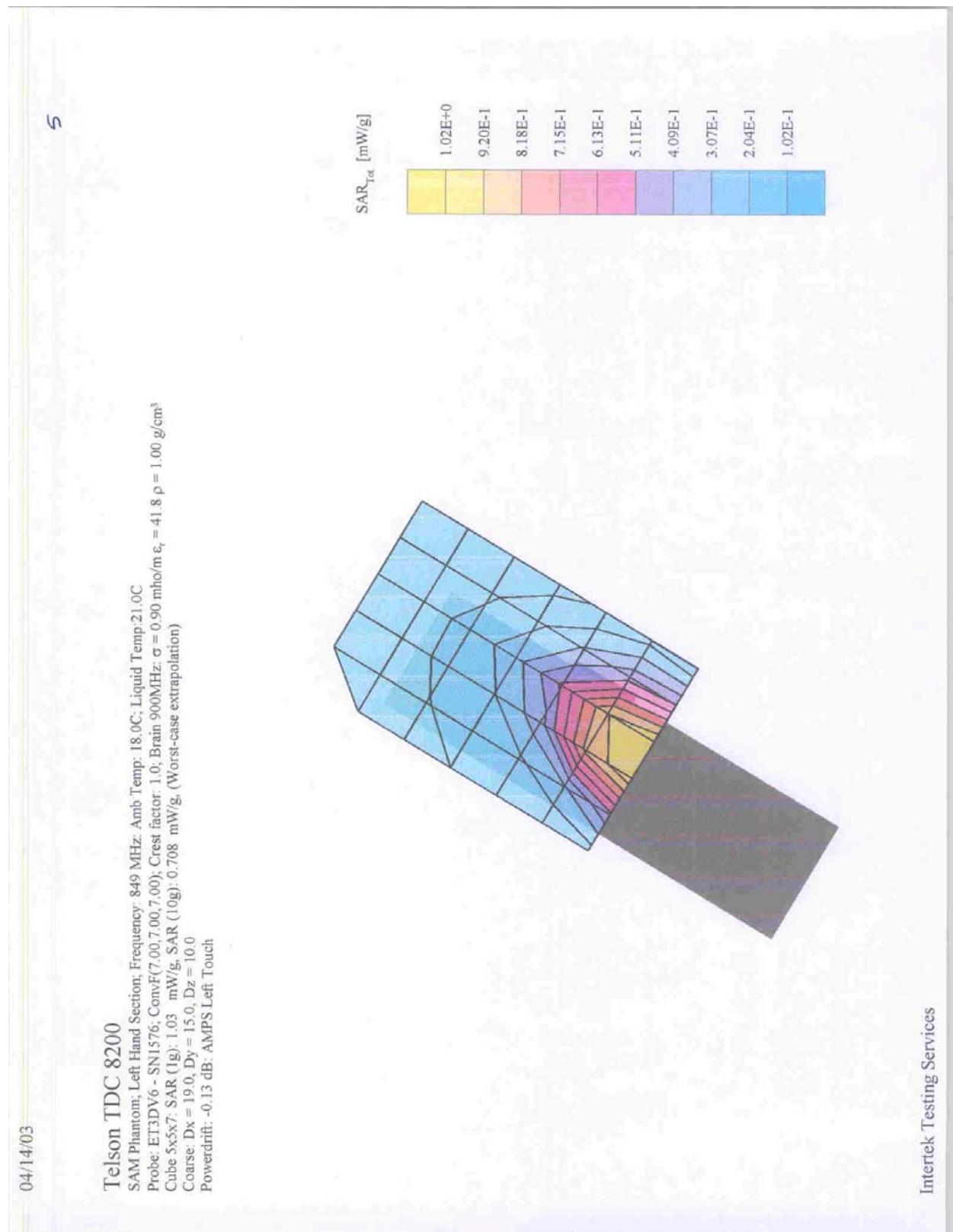
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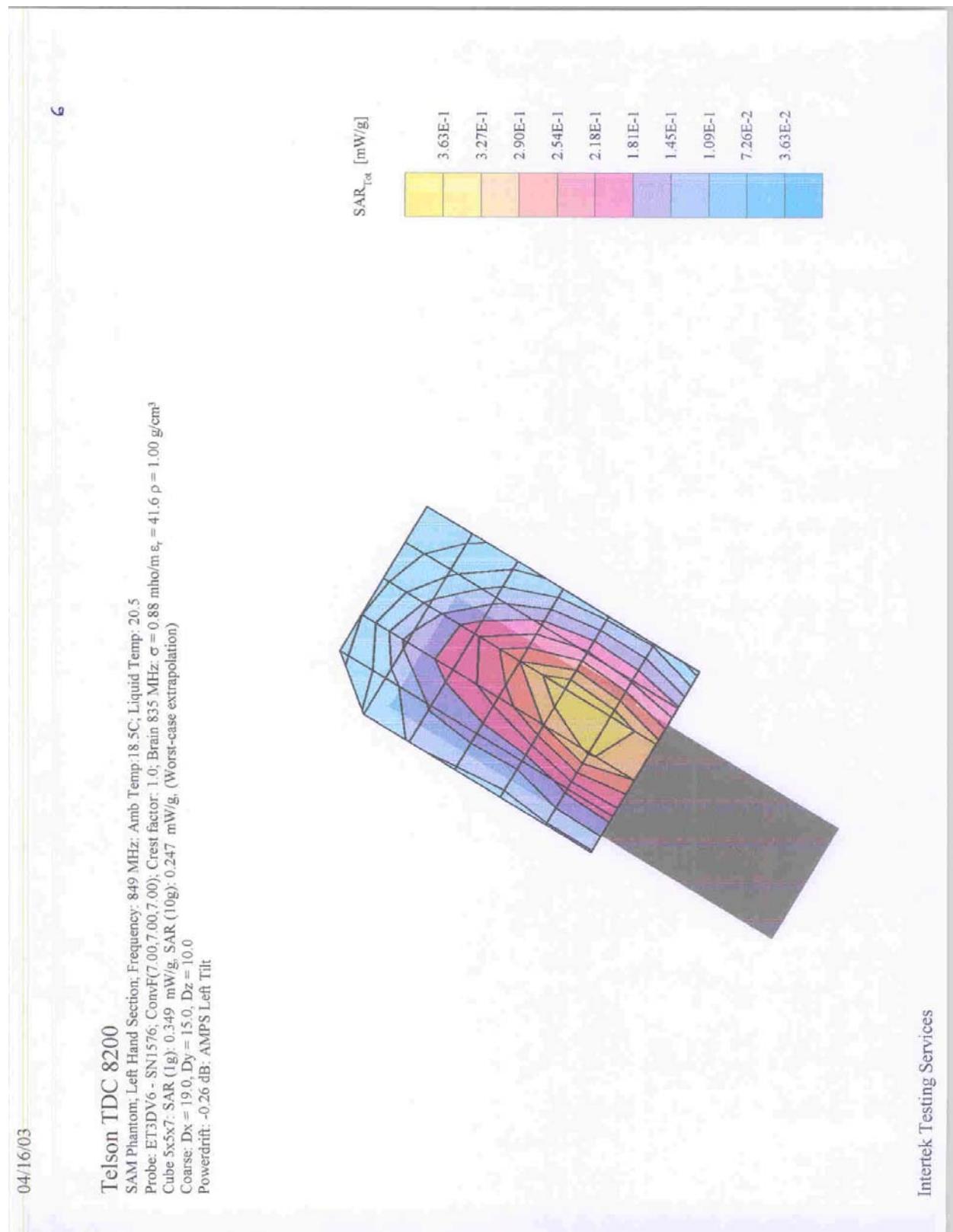
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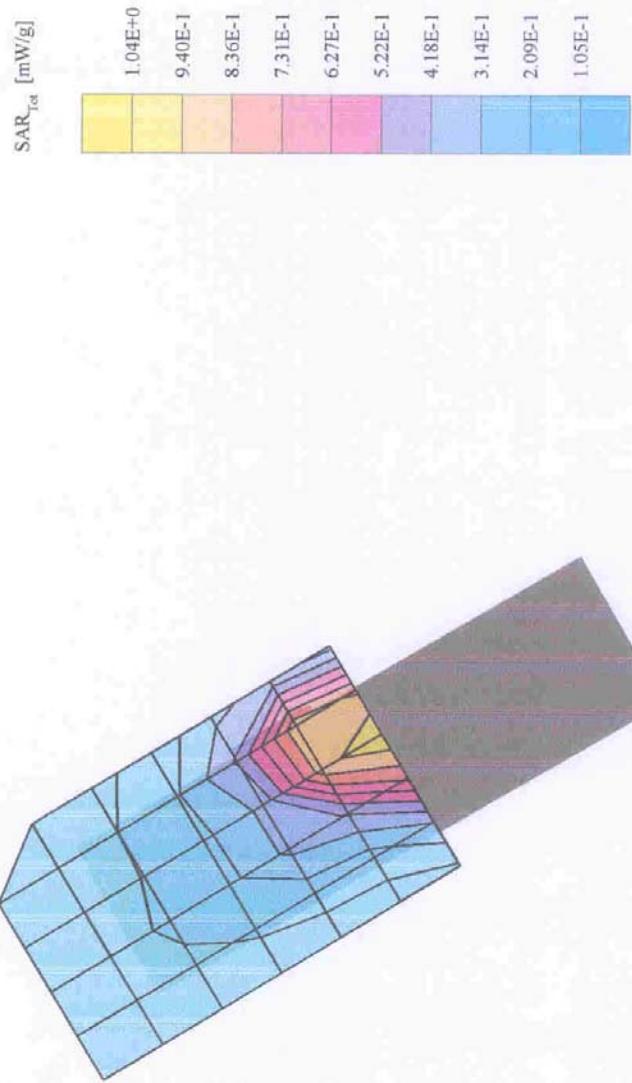
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Date of Test: April 14 to 17, 2003

7

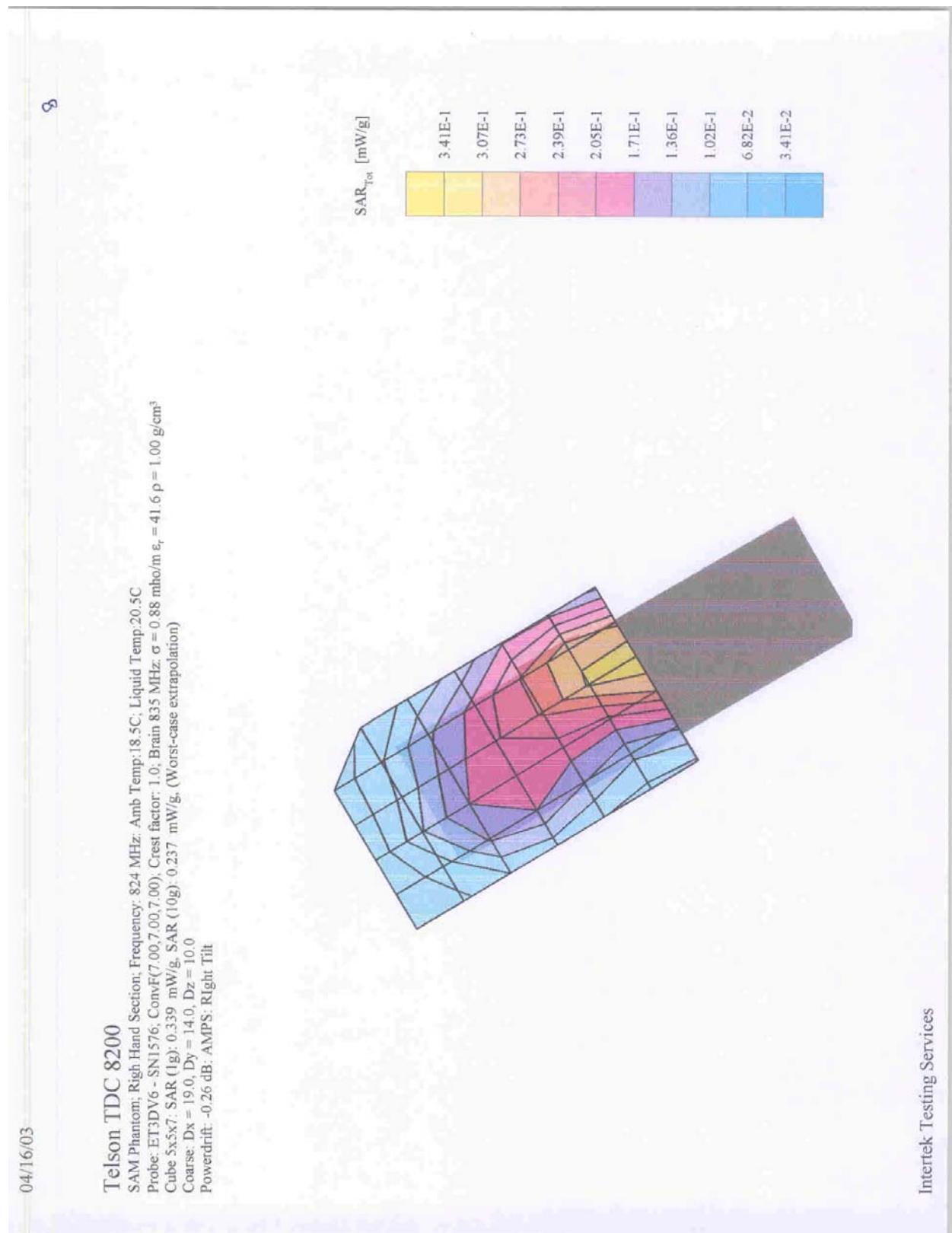
04/16/03

Telson TDC 8200  
SAM Phantom, Right Hand Section, Frequency: 824 MHz, Amb Temp 18.5°C, Liquid Temp 20.5°C  
Probe: ET13DV6 - SN1576, ConvF(7.00,7.00,7.00); Crest factor: 1.0; Brain 835 MHz:  $\sigma = 0.88$  mho/m,  $\epsilon_r = 41.6$ ,  $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7: SAR (1g): 1.03 mW/g, SAR (10g): 0.690 mW/g \* Max outside, (Worst-case extrapolation)  
Coarse, Dx = 19.0, Dy = 14.0, Dz = 10.0  
Powerdrift: -0.29 dB, AMPS, Right Touch



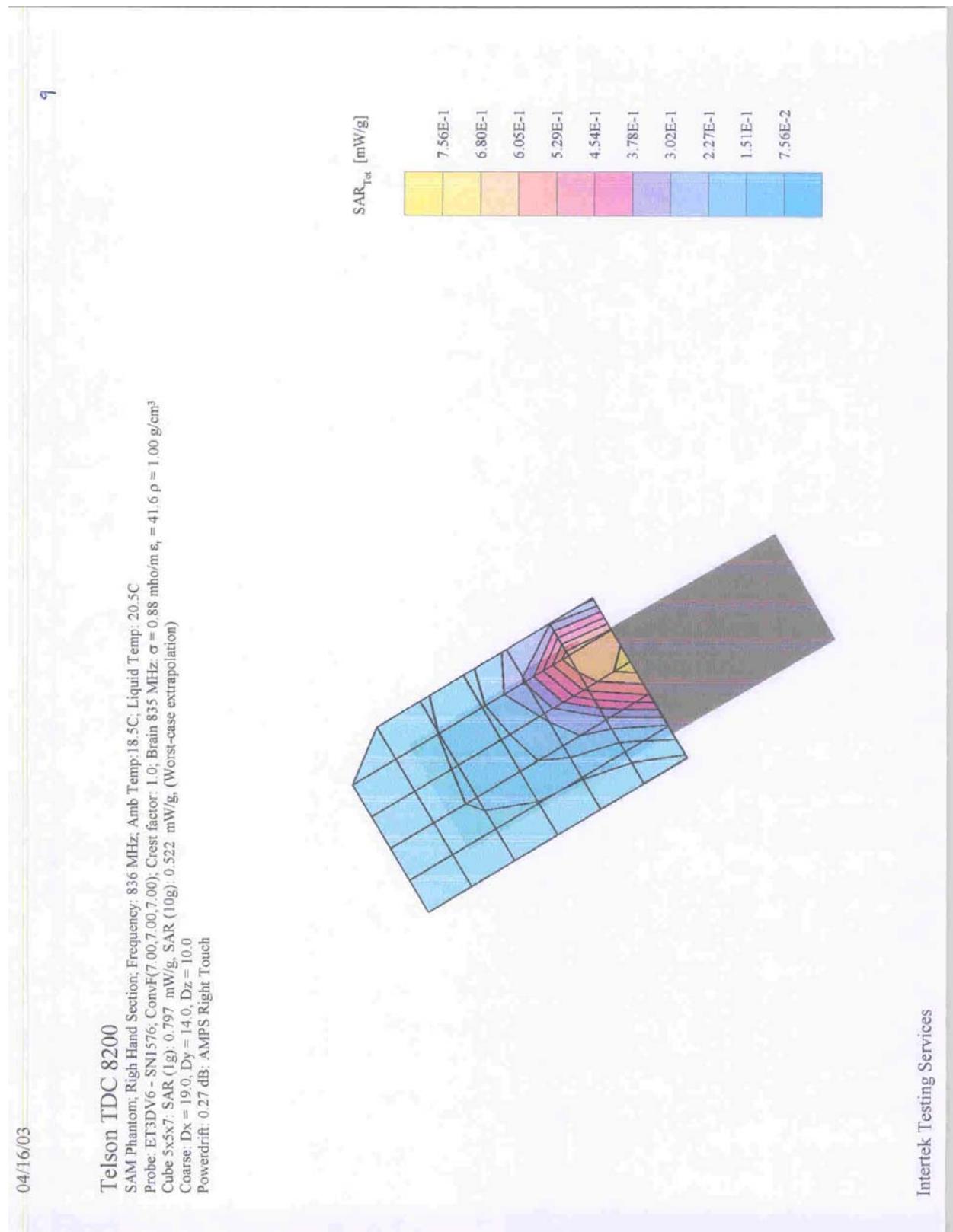
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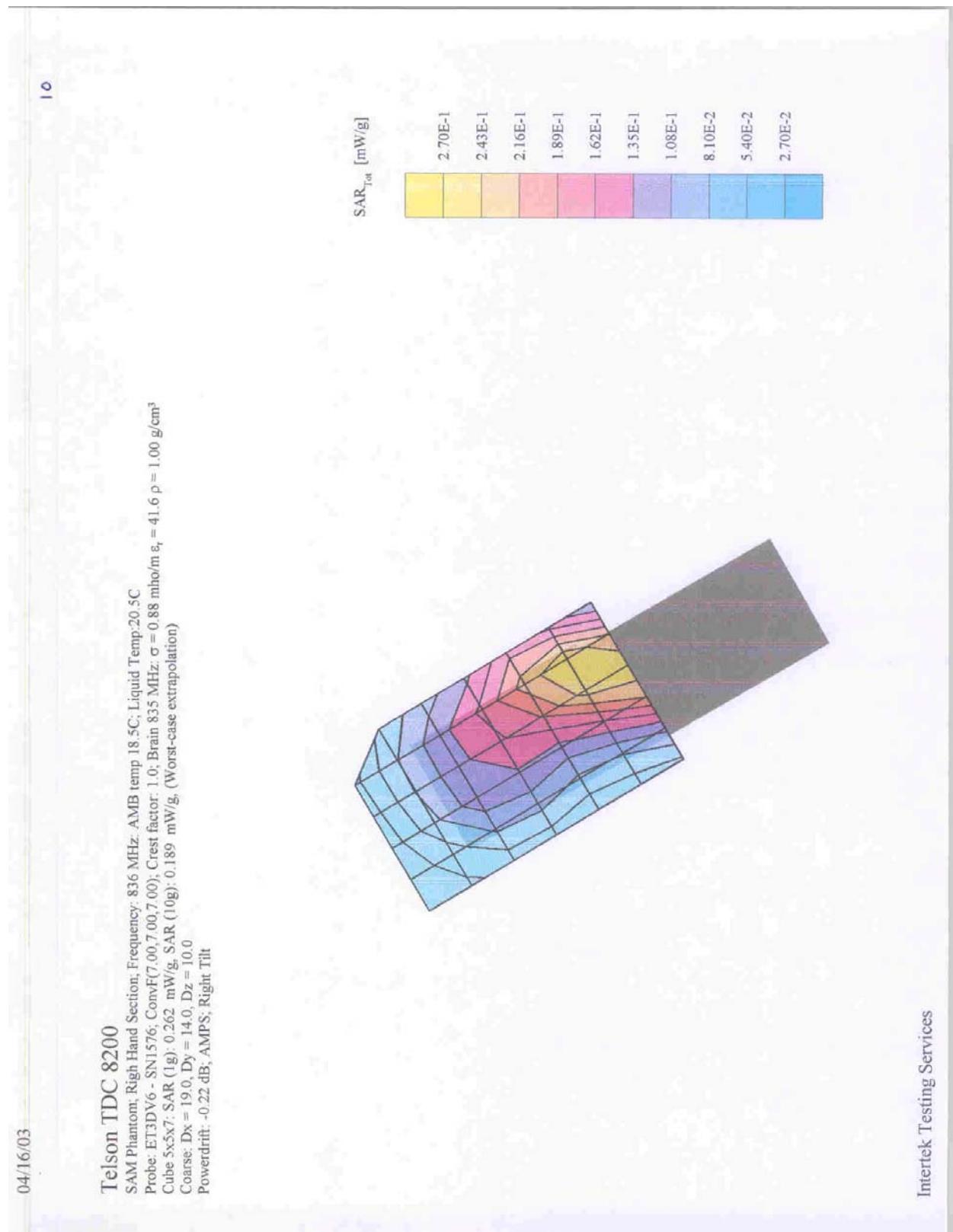
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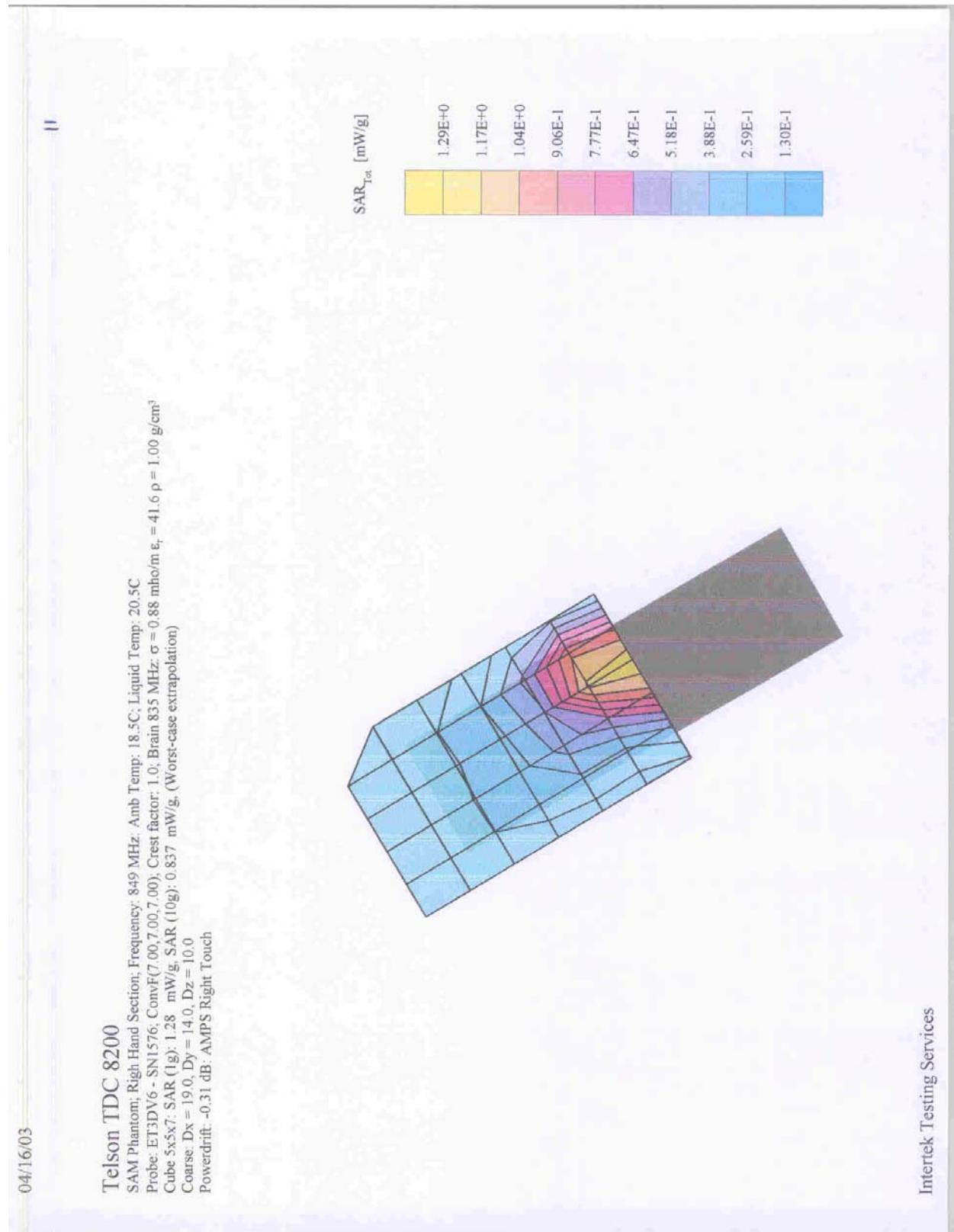
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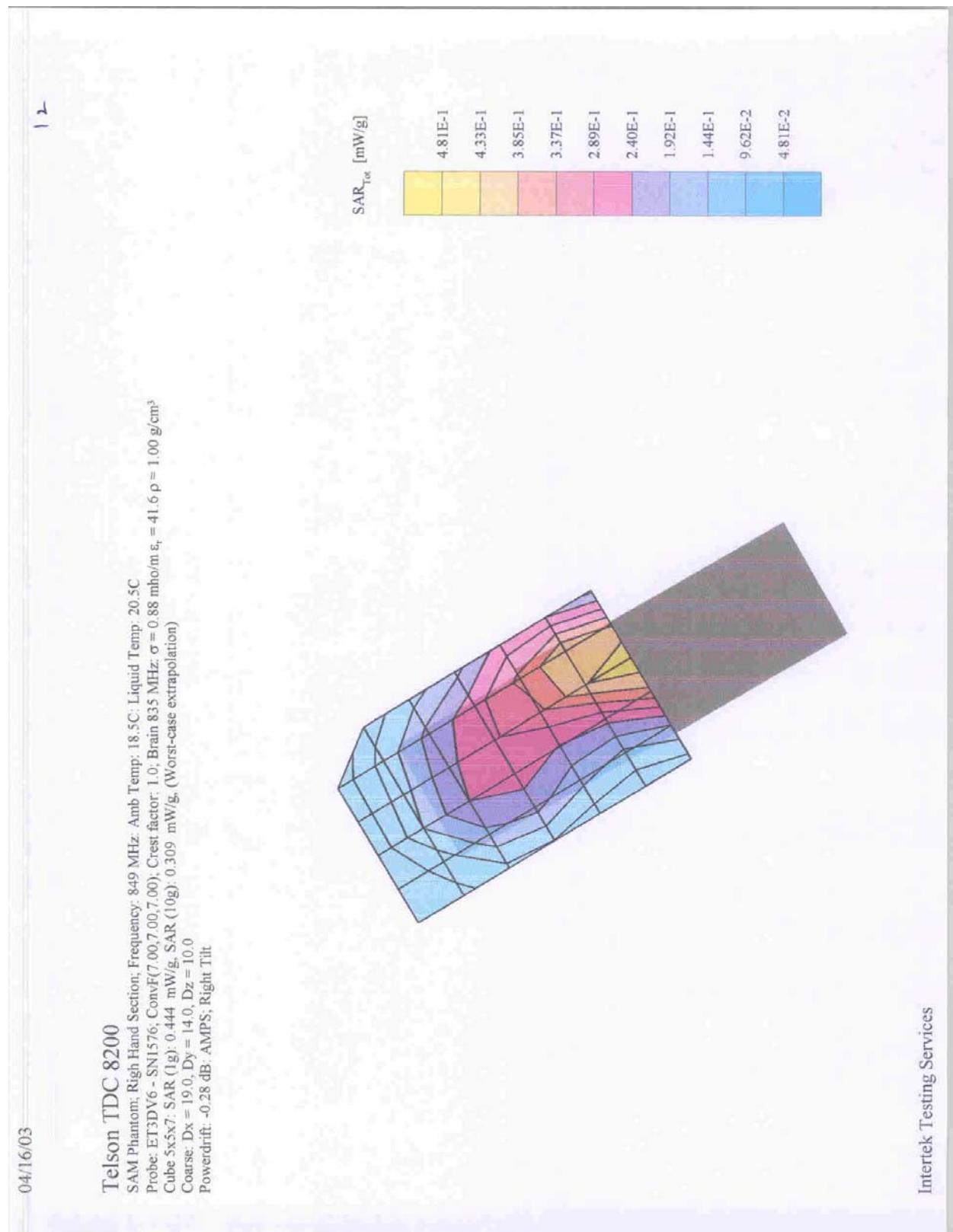
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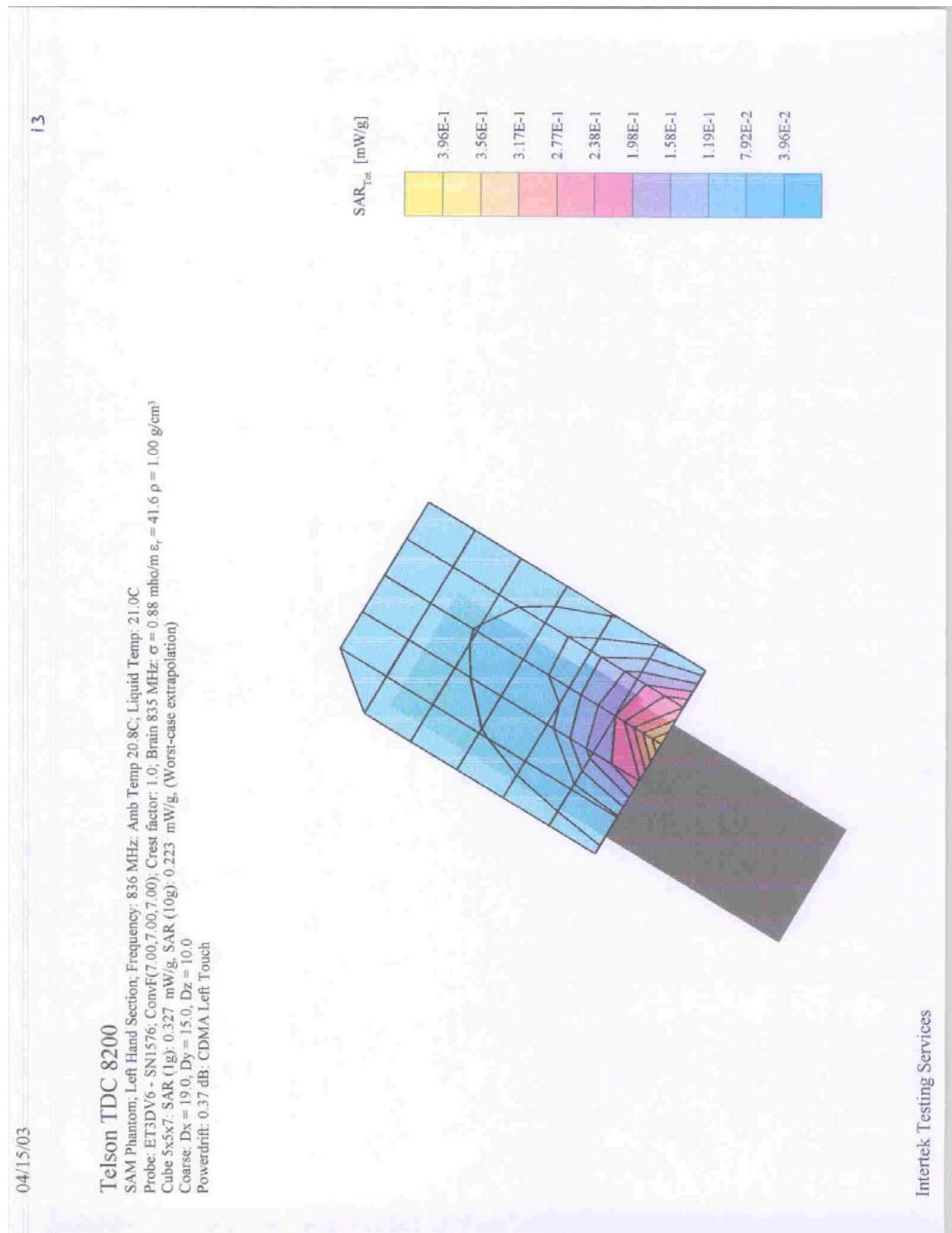
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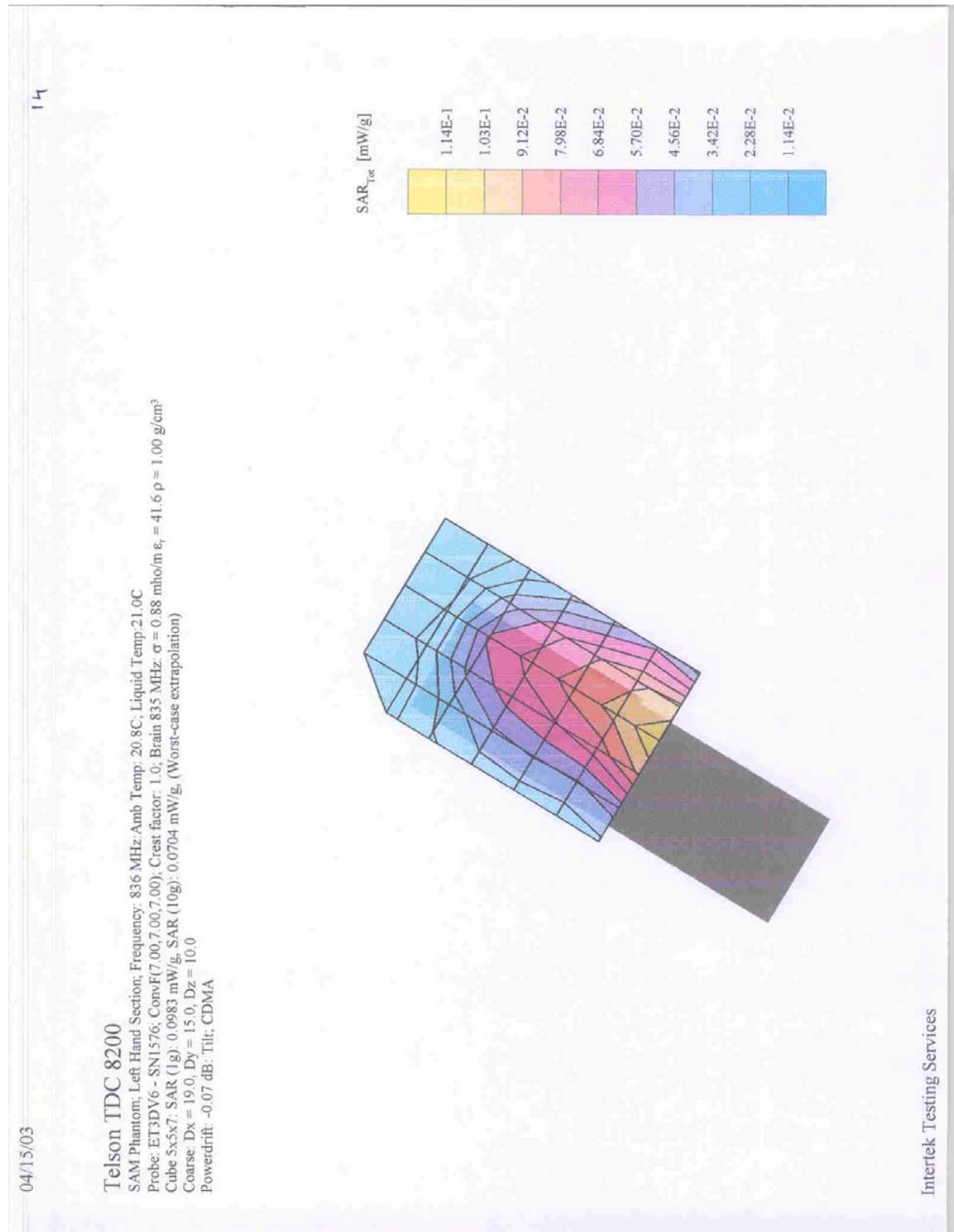
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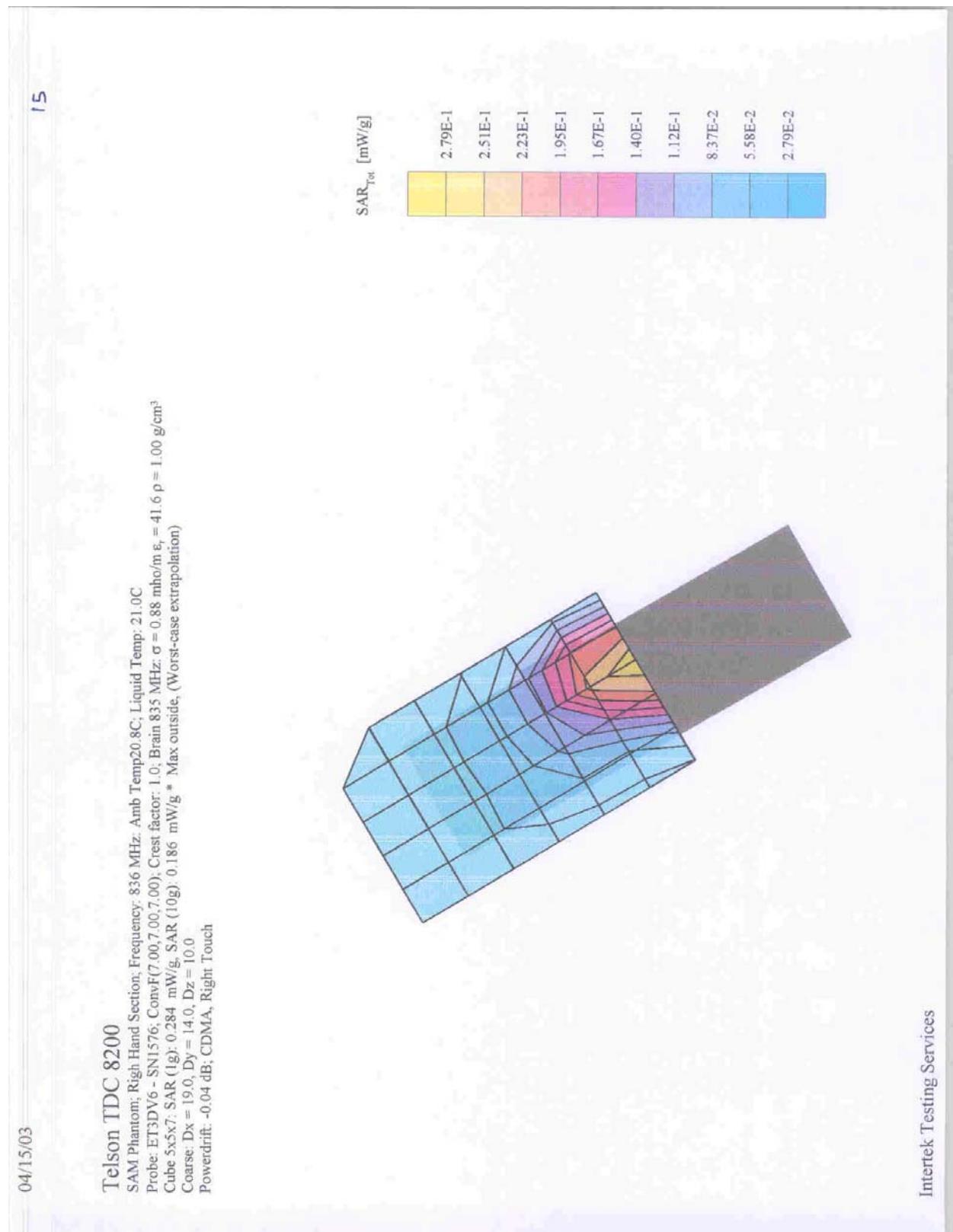
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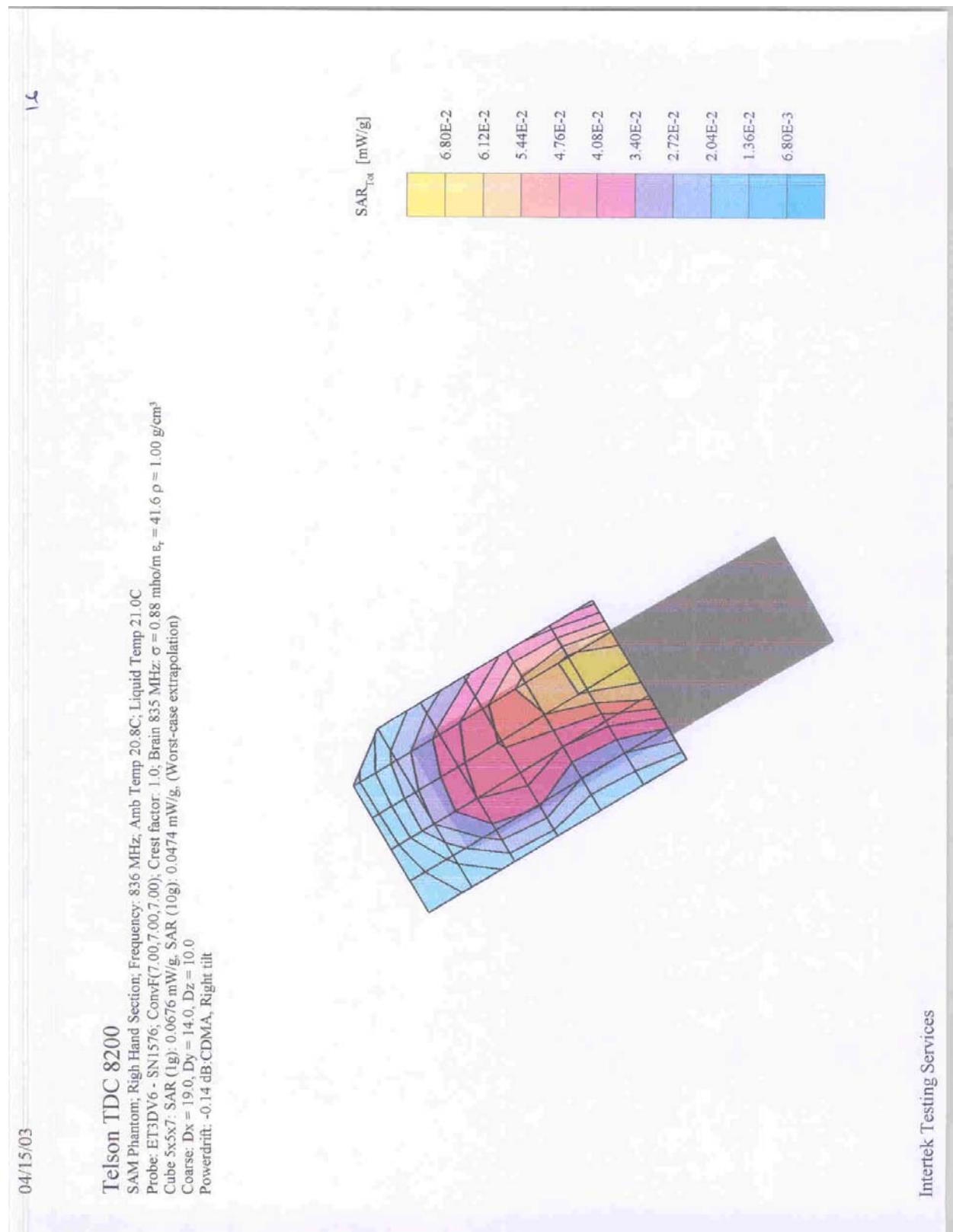
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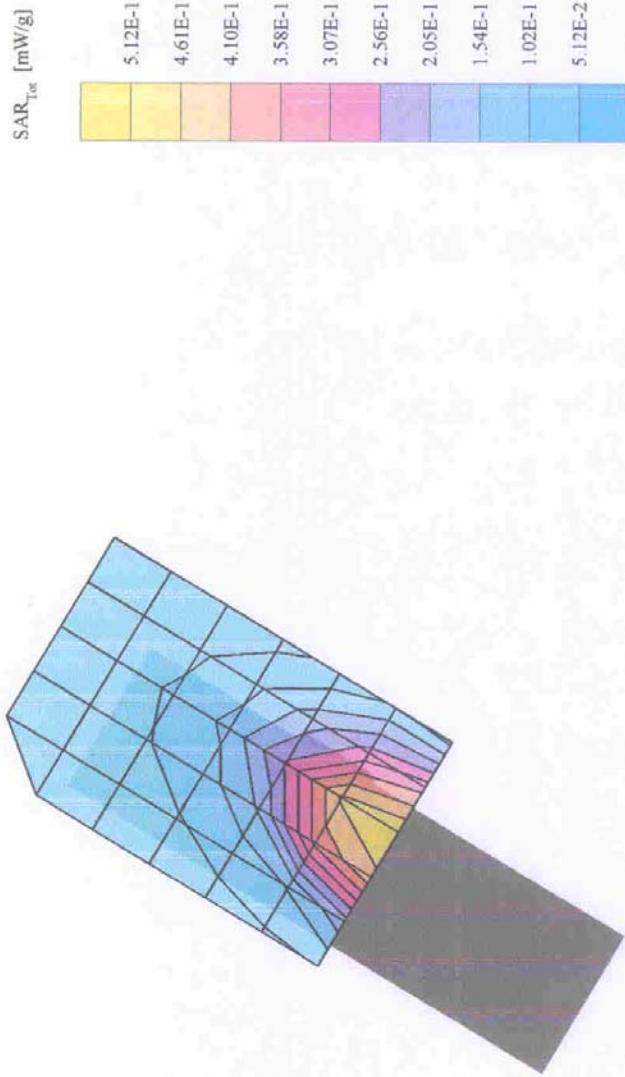
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17

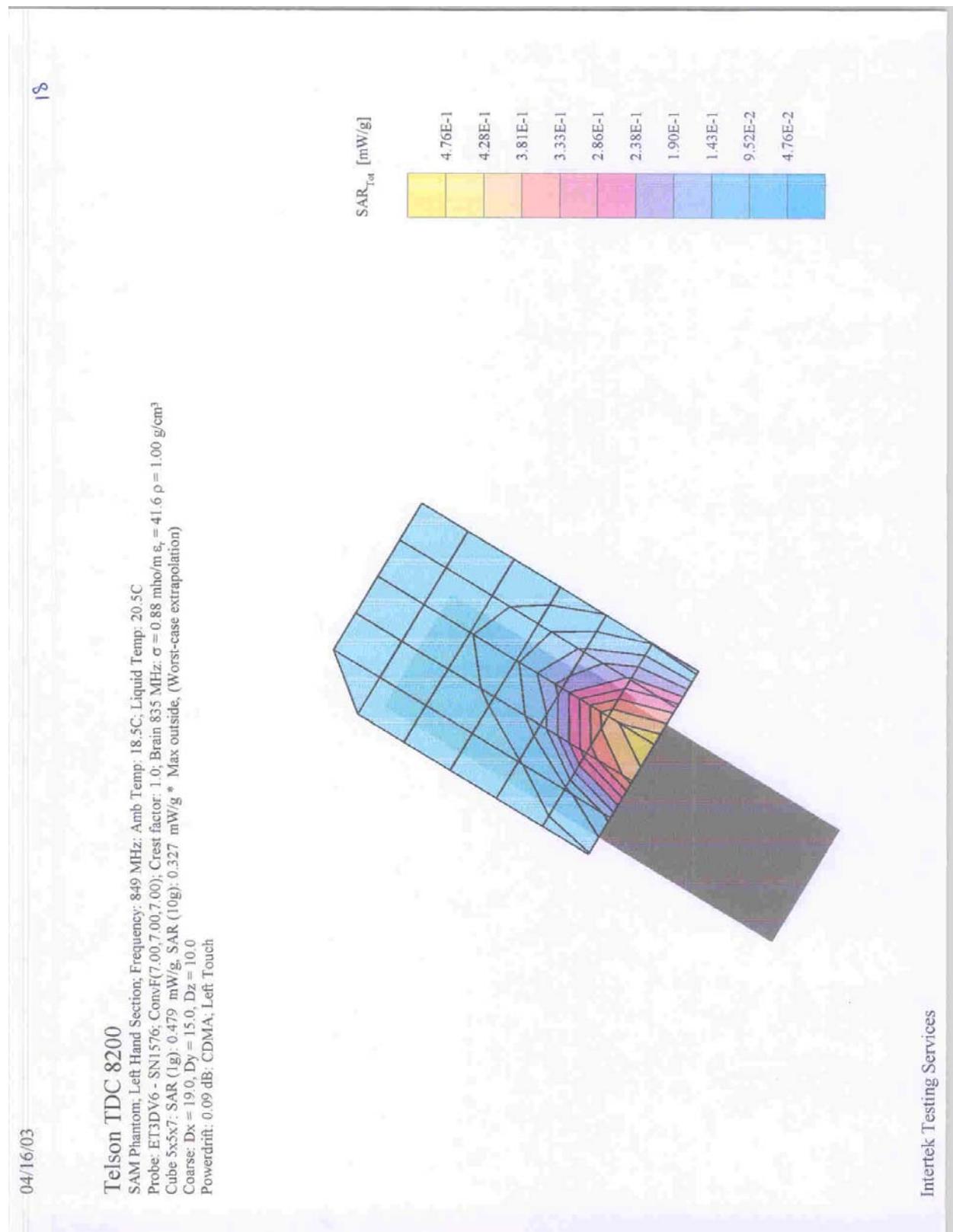
Telson TDC 8200

SAM Phantom, Left Hand Section, Frequency: 824 MHz; Amb Temp: 18.6C; Liquid Temp: 20.5C  
Probe: ET3DV6 - SN1576; ConvF(7.00,7.00,7.00); Crest factor: 1.0; Brain 835 MHz.  $\sigma = 0.88$  mho/m  $\epsilon_r = 41.6$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7: SAR (1g): 0.507 mW/g, SAR (10g): 0.348 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 19.0, Dy = 15.0, Dz = 10.0  
Powerdft: -0.25 dB; CDMA, Left Touch



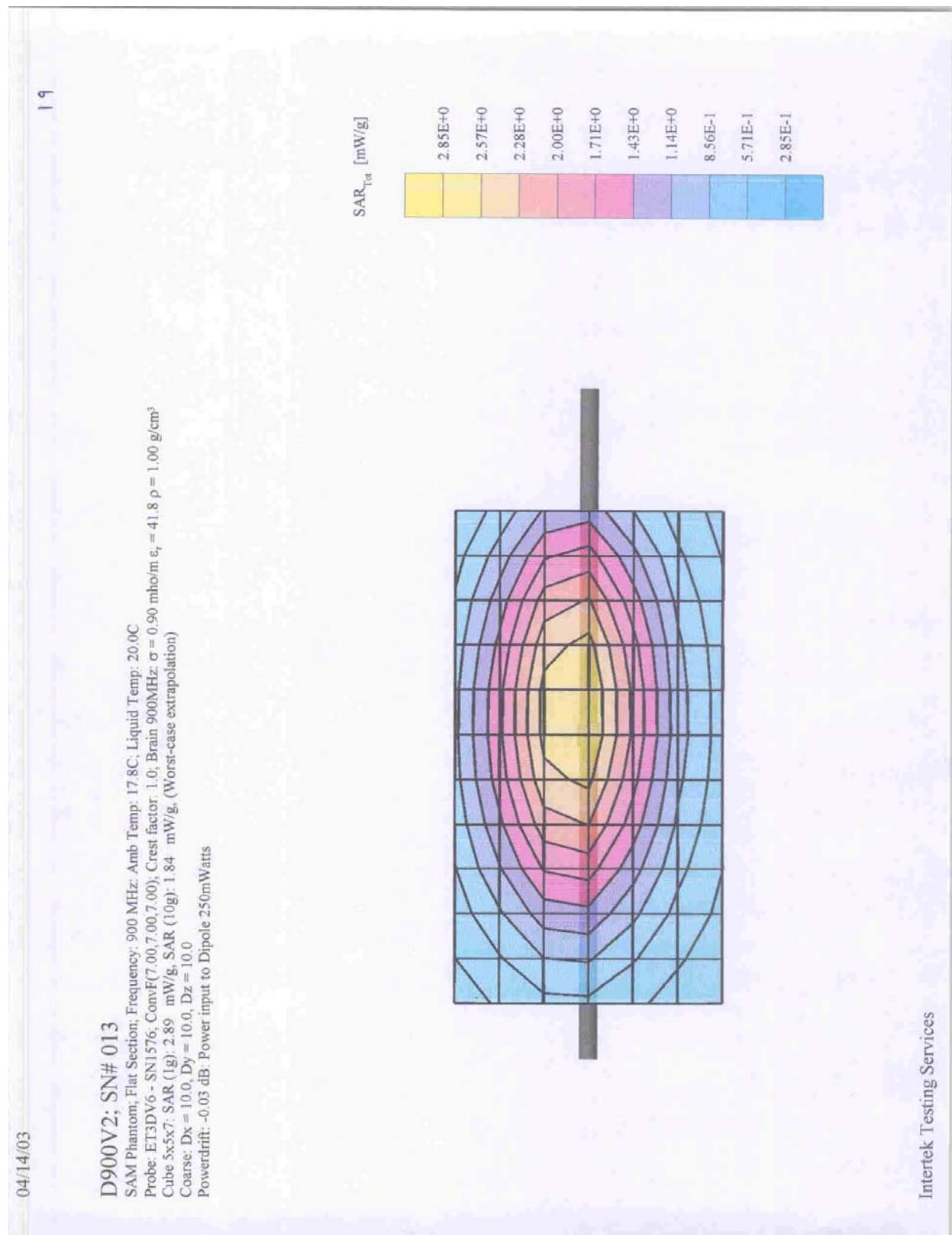
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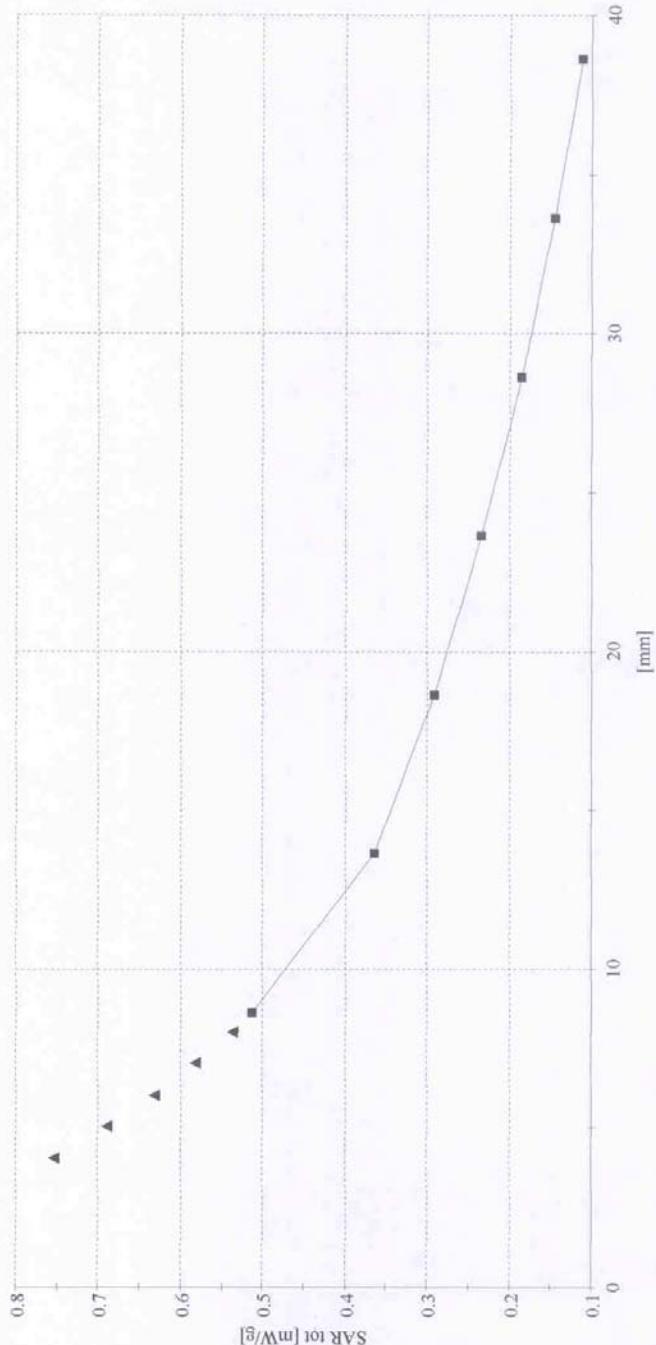


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FCC ID: MC6TDC8200

Date of Test: April 14 to 17, 2003

# 20

04/16/03  
Telson TDC 8200  
SAM Phantom, Right Hand Section, Frequency: 849 MHz  
Probe: ET3DV6 - SN1576, ConvF(7.00,7.00,7.00); Crest factor: 1.0; Brain 835 MHz;  $\sigma = 0.88$  mho/m  $\epsilon_r = 41.6$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 1.28 mW/g, SAR (10g): 0.837 mW/g, (Worst-case extrapolation)  
Cube 5x5x7; Dx = 8.0, Dy = 8.0, Dz = 5.0

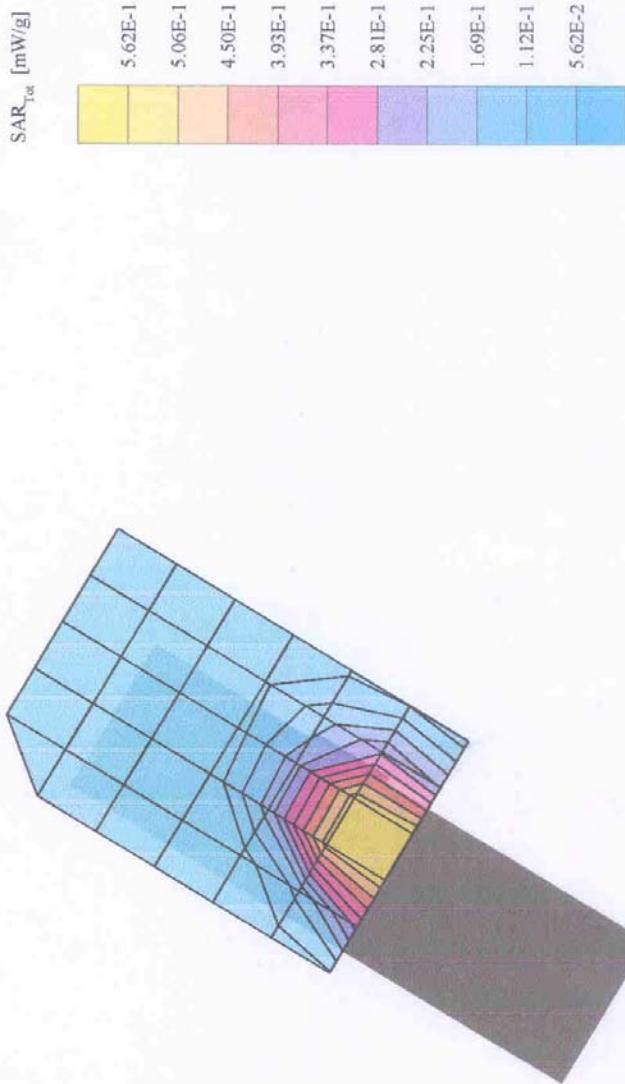


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Date of Test: April 14 to 17, 2003

21

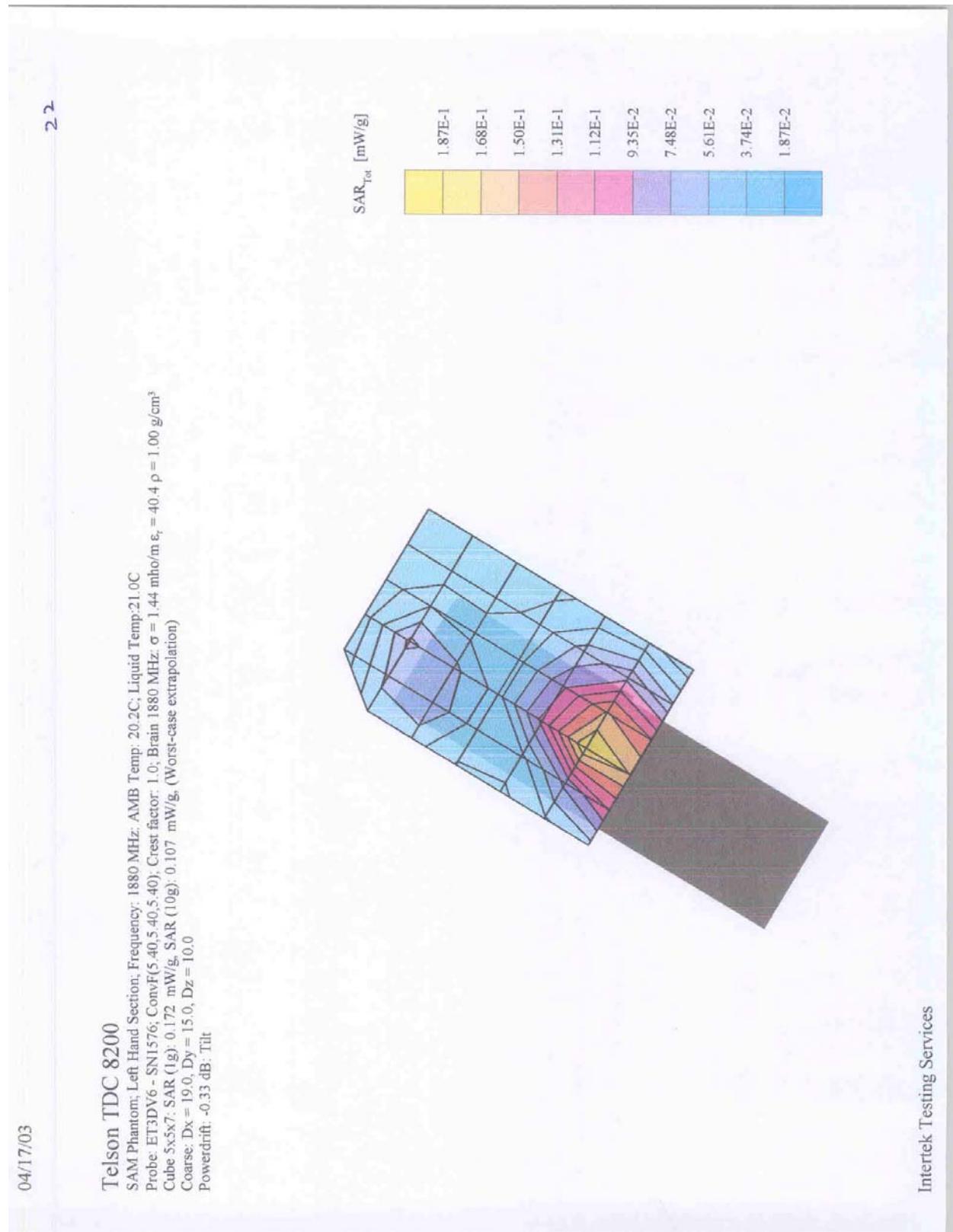
Telson TDC 8200  
SAM Phantom; Left Hand Section; Frequency: 1880 MHz; Amb Temp: 20.2C; Liquid Temp: 21.0C  
Probe: ET3DV6 - SN1576; ConvF(5.40,5.40,5.40); Crest factor: 1.0; Brain 1880 MHz;  $\sigma = 1.44$  mho/m  $\epsilon_r = 40.4$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 0.626 mW/g, SAR (10g): 0.372 mW/g. (Worst-case extrapolation)  
Coarse: Dx = 19.0, Dy = 15.0, Dz = 10.0  
Powerdrift: 0.00 dB; Touch



04/17/03

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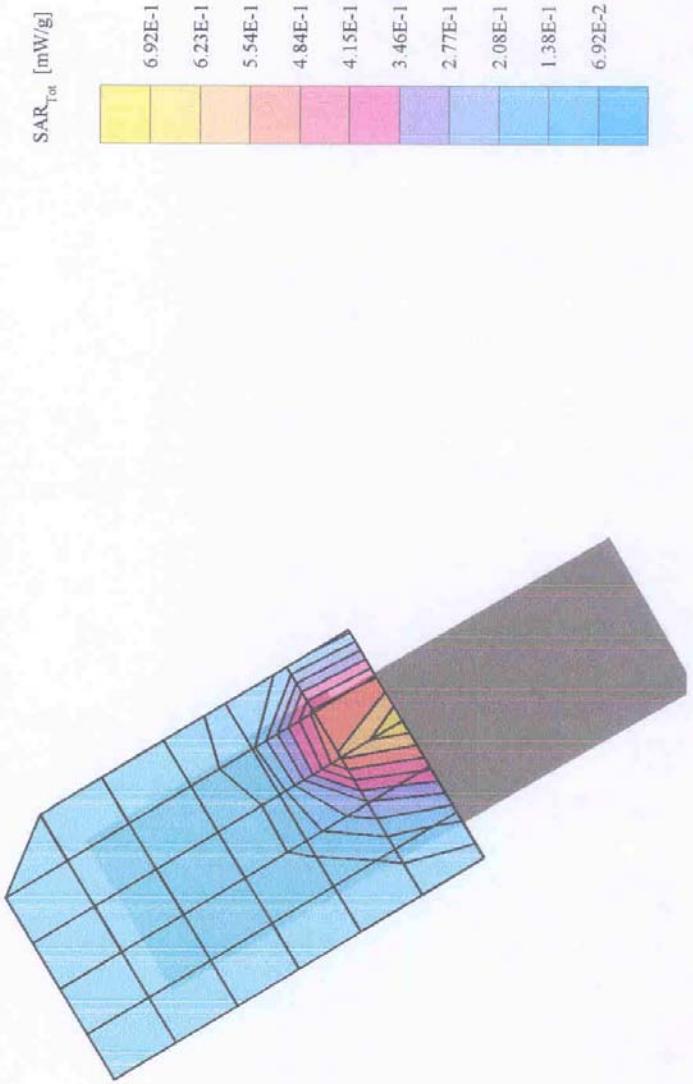


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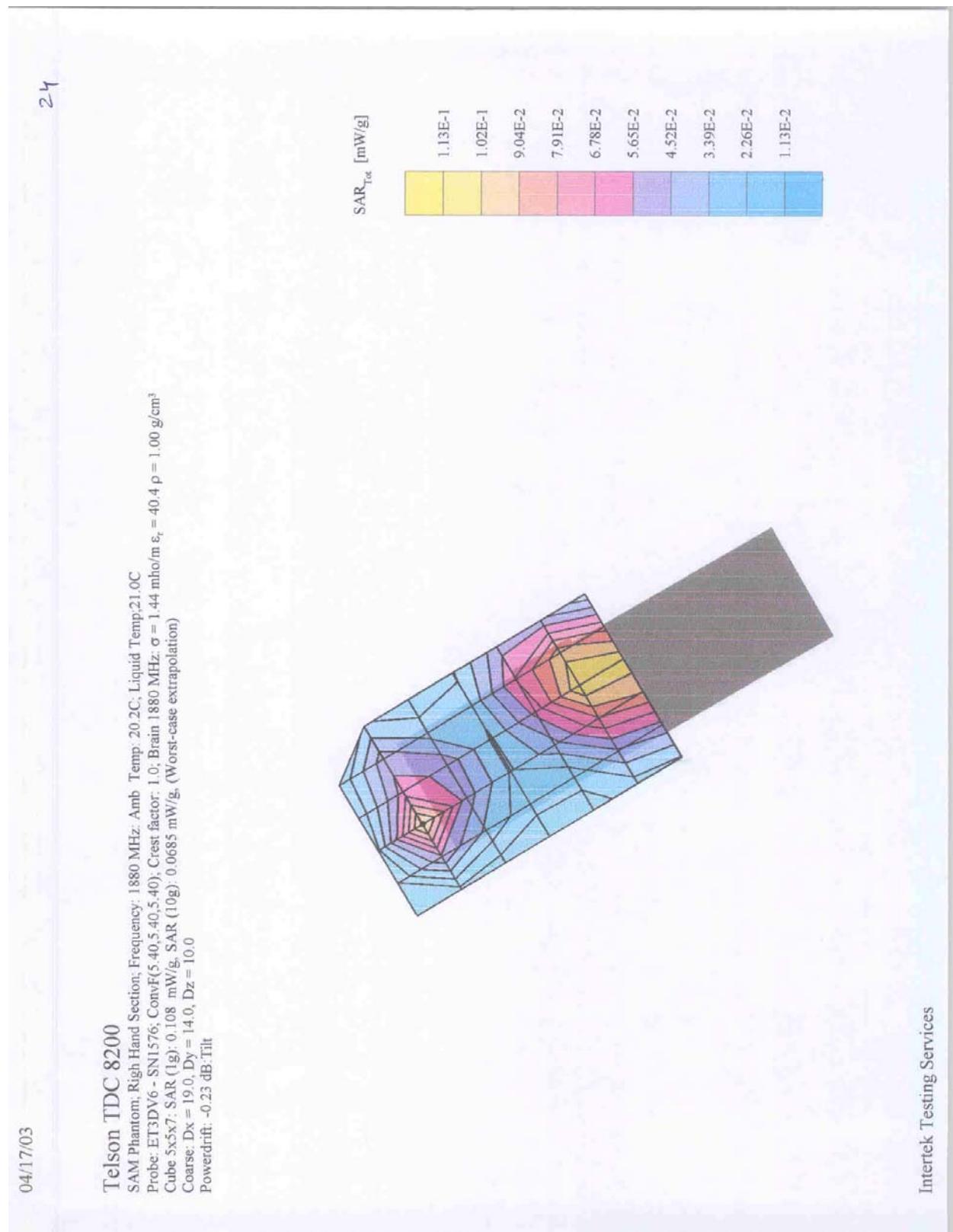
23

04/17/03  
Telson TDC 8200  
SAM Phantom; Right Hand Section; Frequency: 1880 MHz; Amb Temp: 20.2C; Liquid Temp: 21.0C  
Probe: ET3DV6 - SN1576, ConvF(5.40,5.40,5.40), Crest factor: 1.0; Brain: 1880 MHz;  $\sigma = 1.44$  mho/m  $\epsilon_r = 40.4$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube: 5x5x7; SAR (1g): 0.677 mW/g, SAR (10g): 0.400 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 19.0, Dy = 14.0, Dz = 10.0  
Powerdrift: 0.17 dB; Touch



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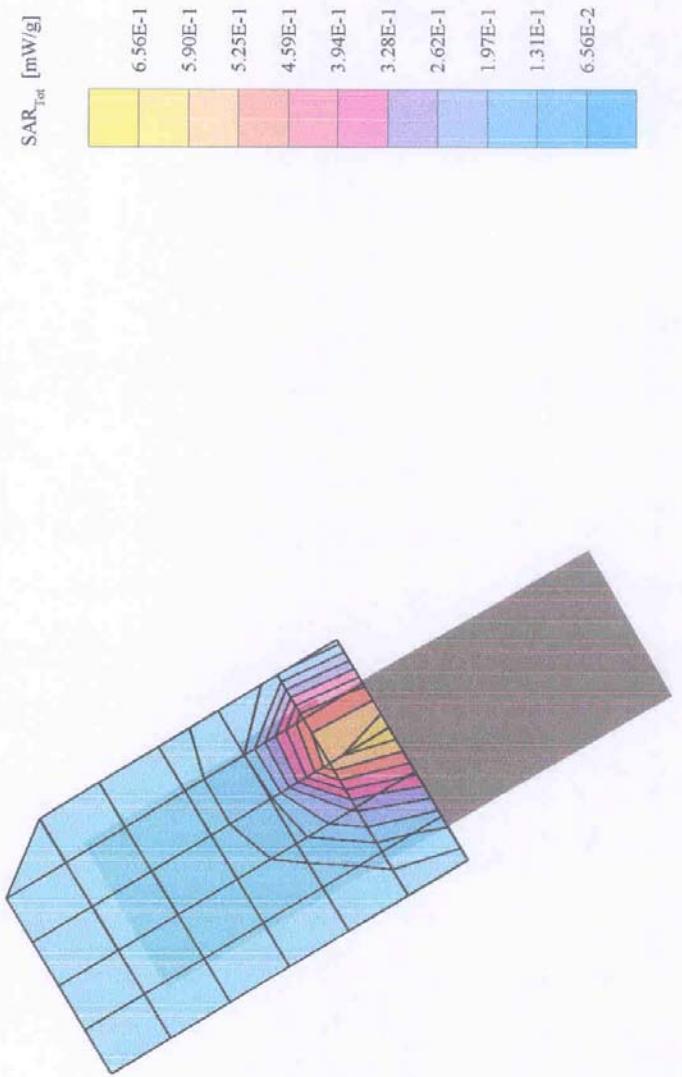
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25

04/17/03

Telson TDC 8200  
SAM Phantom; Right Hand Section. Frequency: 1851 MHz, Amb Temp: 20.2C; Liquid Temp:21.0C  
Probe: ET3DV6 - SN1576; ConvF(5.40,5.40,5.40); Crest factor: 1.0; Brain: 1880 MHz;  $\sigma = 1.44$  mho/m  $\epsilon_r = 40.4$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7: SAR (1g): 0.664 mW/g, SAR (10g): 0.393 mW/g. (Worst-case extrapolation)  
Coarse: Dx = 19.0, Dy = 14.0, Dz = 10.0  
Poweredrift: 0.01 dB/Touch

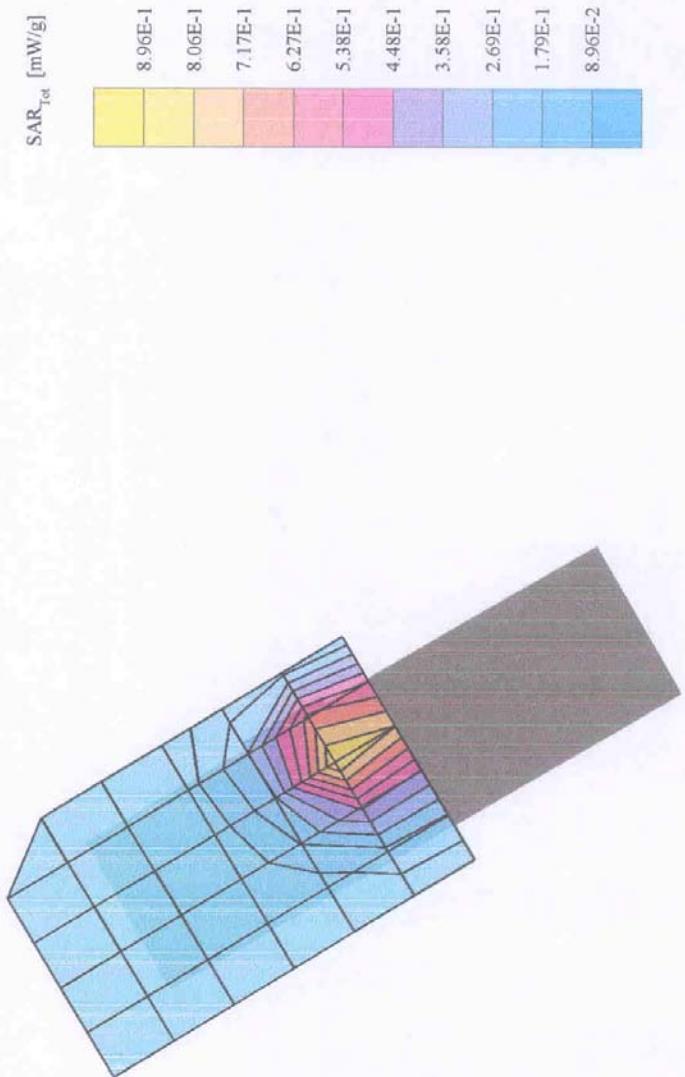


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04/17/03

**Telson TDC 8200**  
SAM Phantom; Right Hand Section, Frequency: 1908 MHz; Amb Temp: 20.2°C; Liquid Temp: 21.0°C  
Probe ET3DV6 - SN1576; ConvIF(5.40,5.40,5.40); Crest factor: 1.0; Brain 1880 MHz;  $\sigma = 1.44$  mho/m  $\epsilon_r = 40.4$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 0.844 mW/g, SAR (10g): 0.497 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 19.0, Dy = 14.0, Dz = 10.0  
Powerdrift: -0.25 dB, Touch



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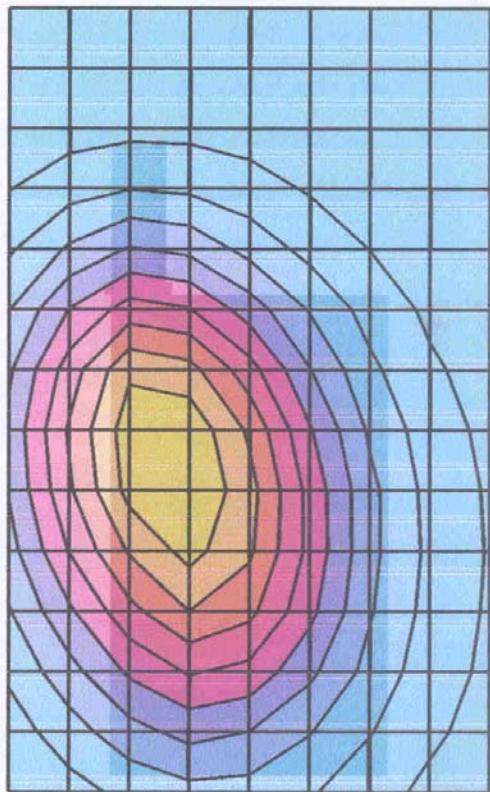
Date of Test: April 14 to 17, 2003

04/17/03

**Telson TDC 8200**

SAM Phantom, Flat Section, Frequency: 824 MHz; Amb Temp: 20.2C; Liquid Temp: 21.0C  
Probe: EIT3DV6 - SN1576; ConvF(6.70,6.70,6.70); Crest factor: 1.0, Muscle 835 MHz;  $\sigma = 0.98$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 0.639 mW/g, SAR (10g): 0.446 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0  
Powerdrift: -0.40 dB, AMPS Back side 15mm from Phantom

27

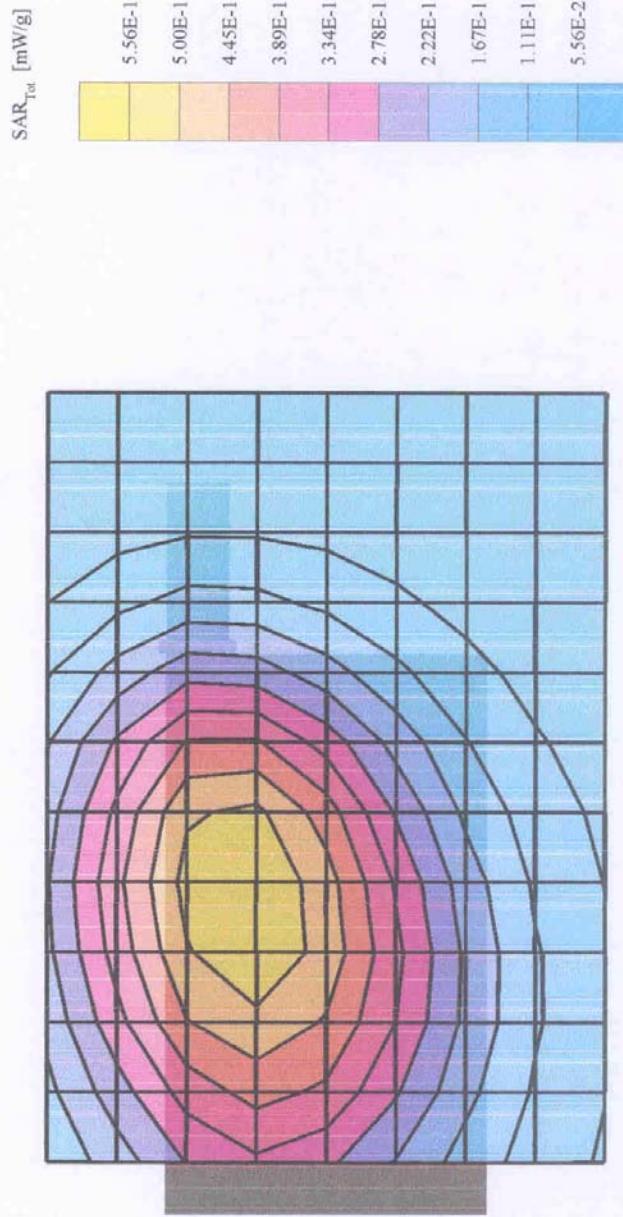


Telson Electronics USA, Inc., Model No: TDC-8200  
FCC ID: MC6TDC8200

Date of Test: April 14 to 17, 2003

28

04/17/03  
Telson TDC 8200  
SAM Phantom, Flat Section; Frequency: 836 MHz, Amb Temp:20.2C, Liquid Temp:21.0C  
Probe: ET3DV6 - SN1576, ConvF(6.70,6.70,6.70), Crest factor: 1.0; Muscle 835 MHz;  $\sigma = 0.98$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7, SAR (1g): 0.527 mW/g, SAR (10g): 0.370 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0  
Poweredrift: -0.33 dB, AMPS Backside 15mm from Phantom



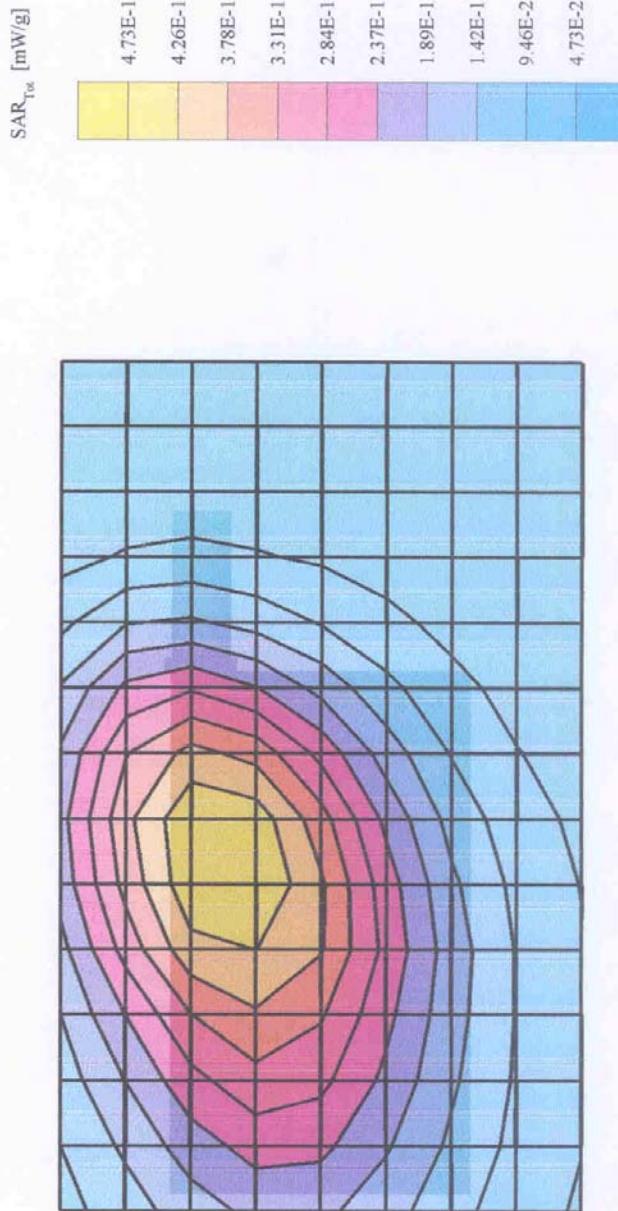
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FCC ID: MC6TDC8200

Date of Test: April 14 to 17, 2003

29

04/17/03

Telson TDC 8200  
SAM Phantom; Flat Section; Frequency: 849 MHz; Amb Temp: 20.2; Liquid Temp: 21.0C  
Probe: ET3DV6 - SN1576; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Muscle 835 MHz;  $\sigma = 0.98$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g) 0.457 mW/g, SAR (10g) 0.313 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0  
Powerdrift: -0.26 dB, AMPS Back side 15mm from Phantom

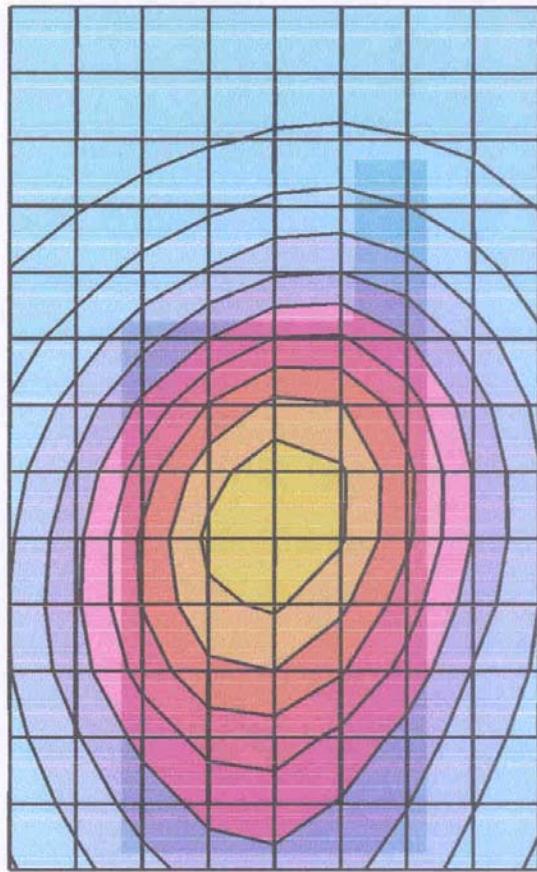


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FCC ID: MC6TDC8200

Date of Test: April 14 to 17, 2003

# 30

04/17/03  
Telson TDC 8200  
SAM Phantom; Flat Section; Frequency: 824 MHz; Amb Temp: 20.1C; Liquid Temp: 21.0C  
Probe: ET3DV6 - SN1576; ConvF(6.70,6.70); Crest factor: 1.0; Muscle 836MHz:  $\sigma = 0.98$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7: SAR (1g): 0.149 mW/g, SAR (10g): 0.105 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0  
Powerdrift: -0.18 dB; Display side 15mm from Phantom

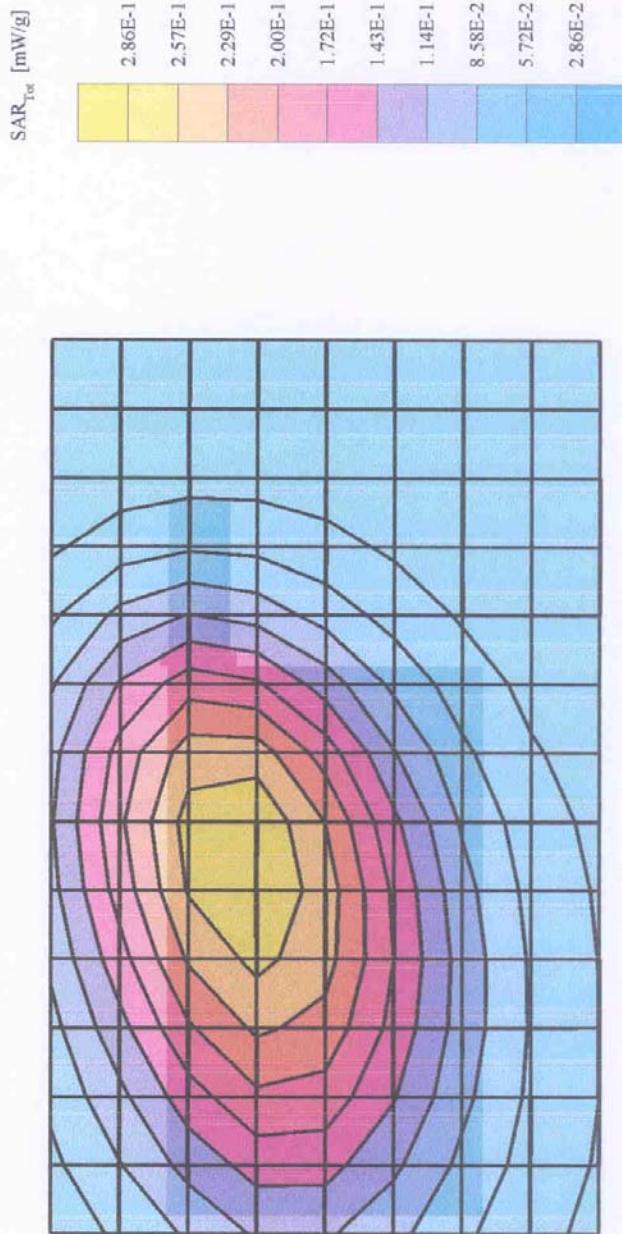


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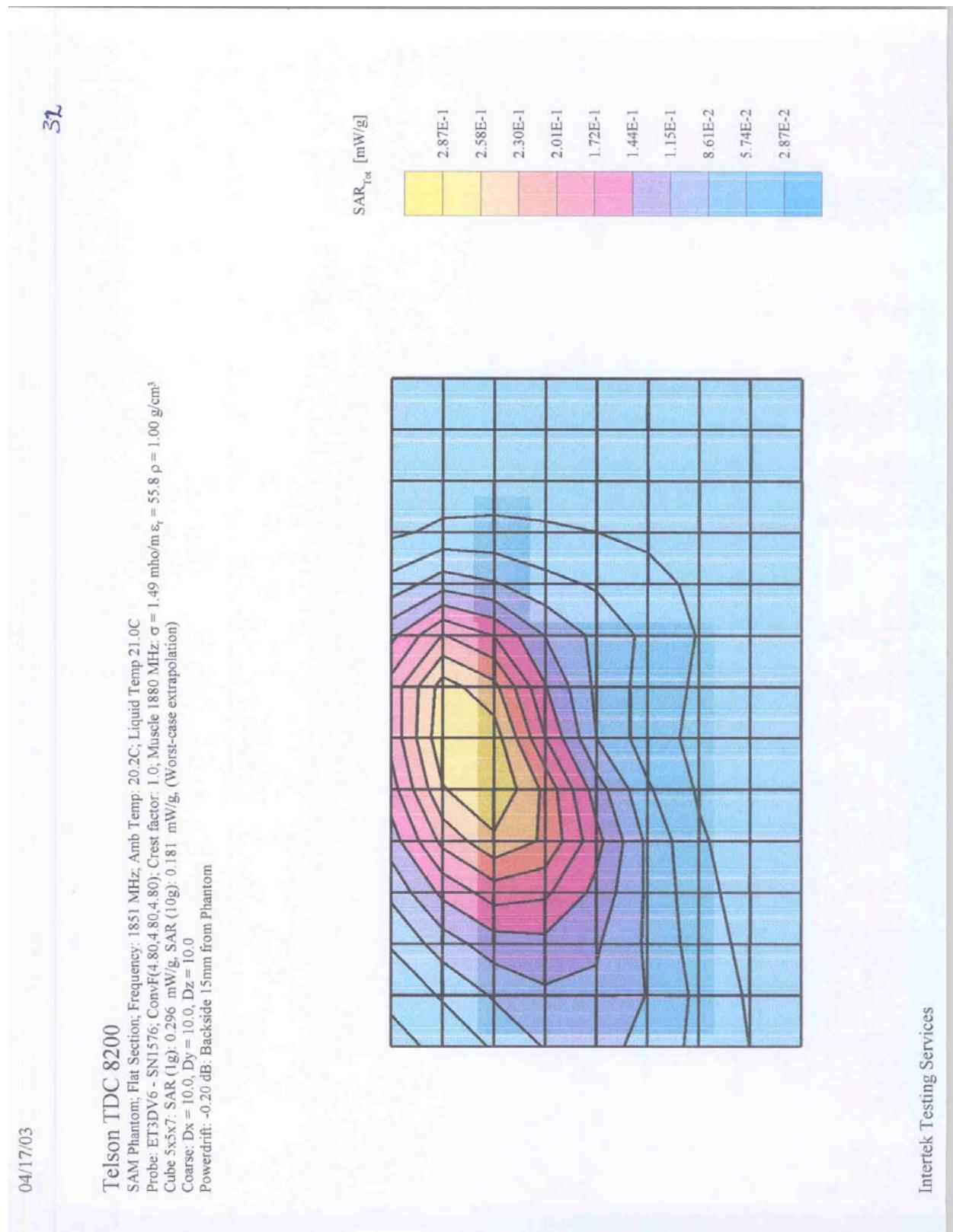
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04/17/03  
Telson TDC 8200  
SAM Phantom; Flat Section; Frequency: 849 MHz; Amb Temp: 20.2C; Liquid Temp: 21.0C  
Probe: ET3DV6 - SN1576; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Muscle 835 MHz;  $\sigma = 0.98$  mho/m  $\epsilon_r = 53.3$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g) 0.290 mW/g, SAR (10g) 0.203 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0  
Poweredrift: 0.05 dB, CDMA; Backside 15mm from Phantom



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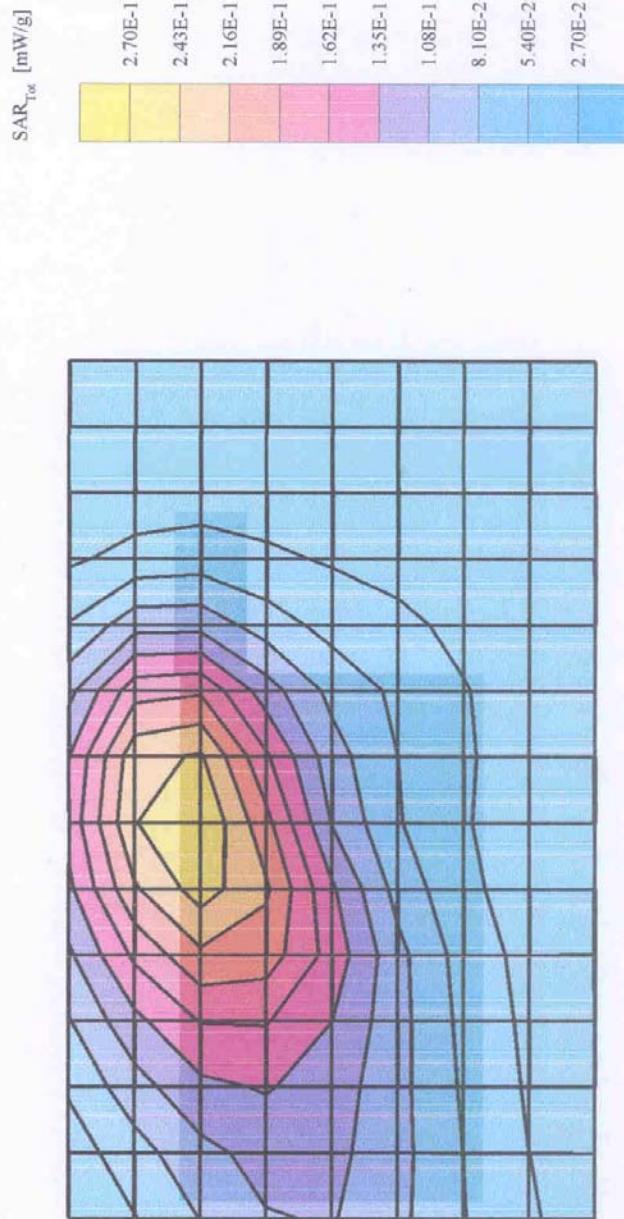


Telson Electronics USA, Inc., Model No: TDC-8200  
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Date of Test: April 14 to 17, 2003

32

Telson TDC 8200  
SAM Phantom, Flat Section, Frequency: 1880 MHz, Amb Temp: 20.2C, Liquid Temp 21.0C  
Probe: ET13DV6 - SN11576; ConvF(4.80,4.80,4.80); Crest factor: 1.0; Muscle 1880 MHz;  $\sigma = 1.49$  mho/m  $\epsilon_r = 55.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 0.258 mW/g, SAR (10g): 0.157 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0  
Powerdrift: -0.38 dB, Backside 15mm from Phantom

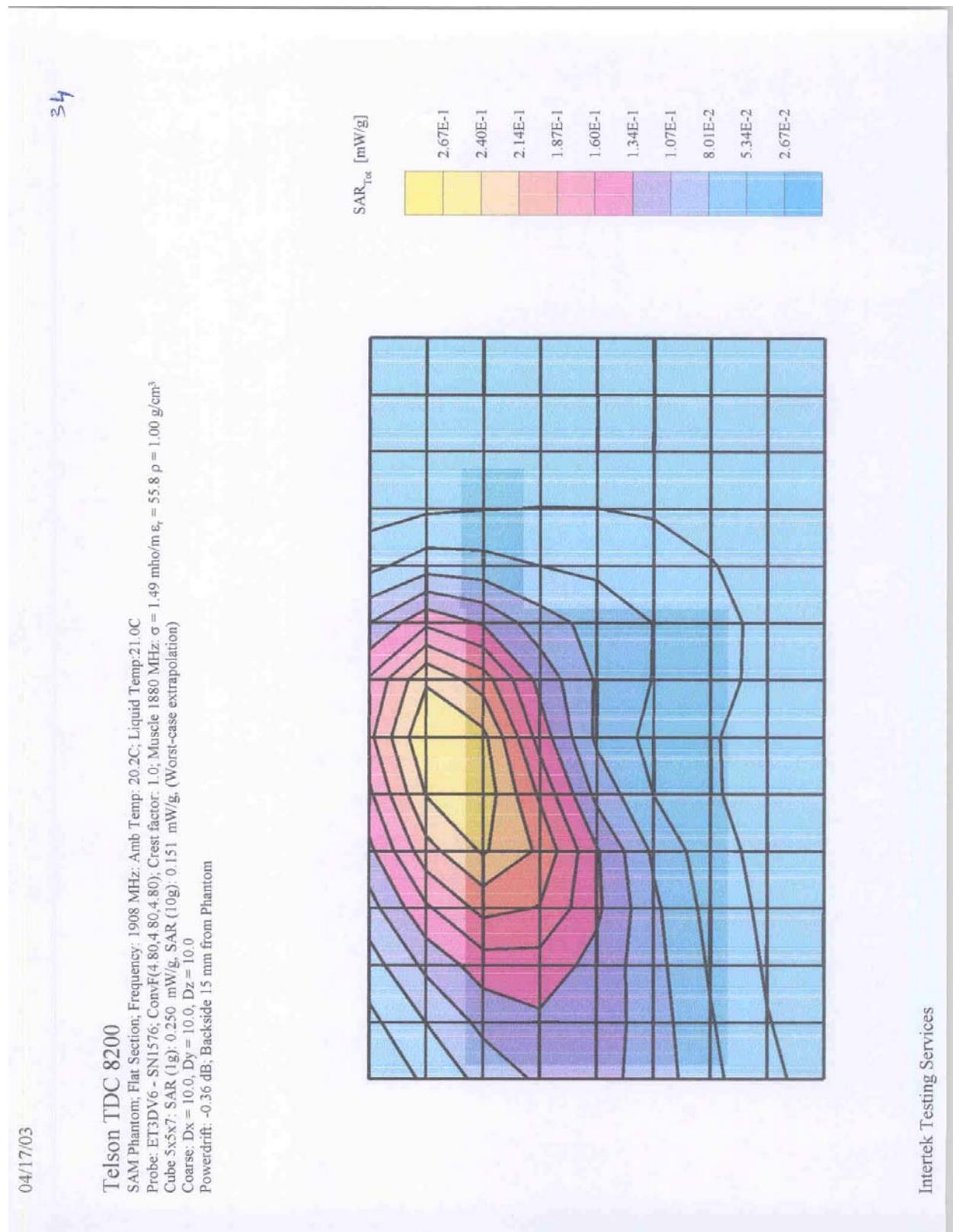


04/17/03

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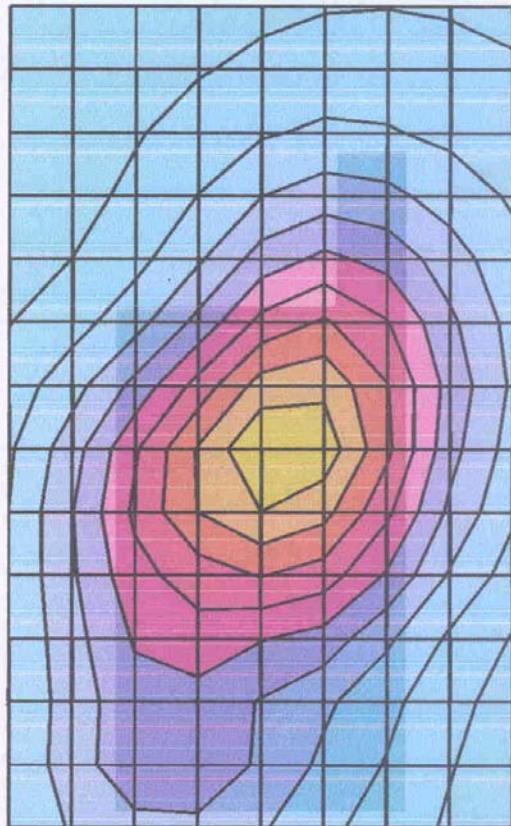
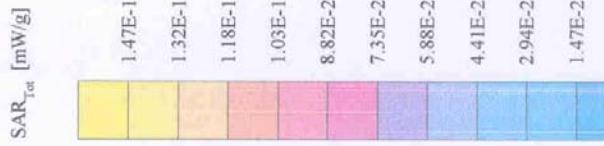
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35

04/17/03

Telson TDC 8200  
SAM Phantom; Flat Section; Frequency: 1851 MHz; Amb Temp: 20.2C; Liquid Temp: 21.0C  
Probe: ET3DV6 - SN1576; ConvF(4.80,4.80,4.80); Crest factor: 1.0; Muscle 1880 MHz;  $\sigma = 1.49$  mho/m  $\epsilon_r = 55.8$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (.1g): 0.131 mW/g, SAR (10g): 0.0827 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0  
Powerdrift: -0.22 dB; Display Side 15 mm from Phantom

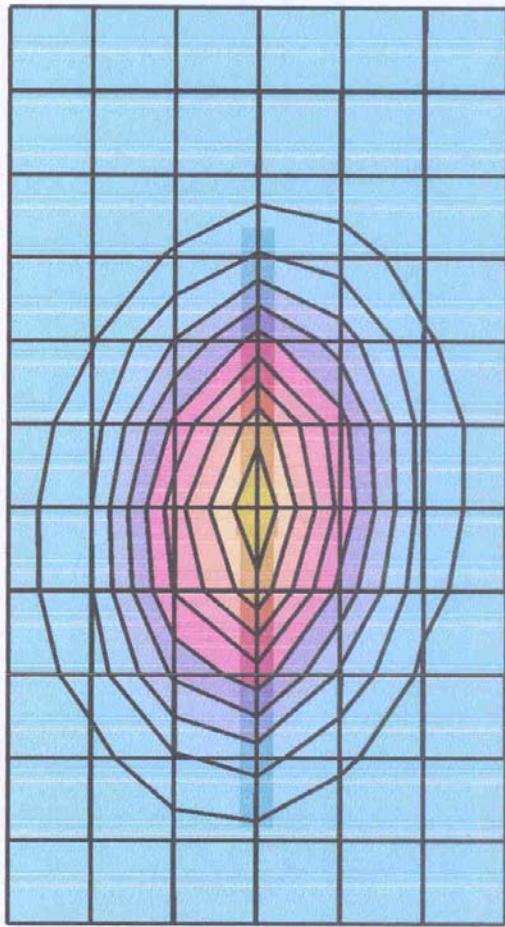
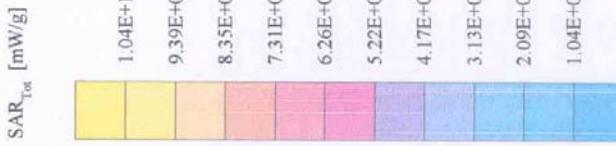


Telson Electronics USA, Inc., Model No: TDC-8200  
FCC ID: MC6TDC8200

Date of Test: April 14 to 17, 2003

# 36

04/17/03  
D1800V2; SN: 224  
SAM Phantom; Flat Section; Frequency: 1800 MHz; Amb Temp: 20.2C; Liquid Temp: 21.0C  
Probe: ET3DV6 - SN1576; ConvF(5.40,5.40,5.40); Crest factor: 1.0; Brain 1800 MHz;  $\sigma = 1.40$  mho/m  $\epsilon_r = 42.2$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7; SAR (1g): 9.98 mW/g, SAR (10g): 5.27 mW/g, (Worst-case extrapolation)  
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0  
Powerdrift: 0.02 dB, Power input to Dipole 250mWatts



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**Telson TDC 8200**

SAM Phantom, Right Hand Section; Frequency: 1908 MHz  
Probe: ET3DV6 - SNI1376, ConvF(5,40,5,40), Crest factor: 1.0; Brain 1880 MHz.  $\sigma = 1.44$  mho/m  $\epsilon_r = 40.4$   $\rho = 1.00$  g/cm<sup>3</sup>  
Cube 5x5x7: SAR (1g): 0.844 mW/g, SAR (10g): 0.497 mW/g, (Worst-case extrapolation)  
Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

