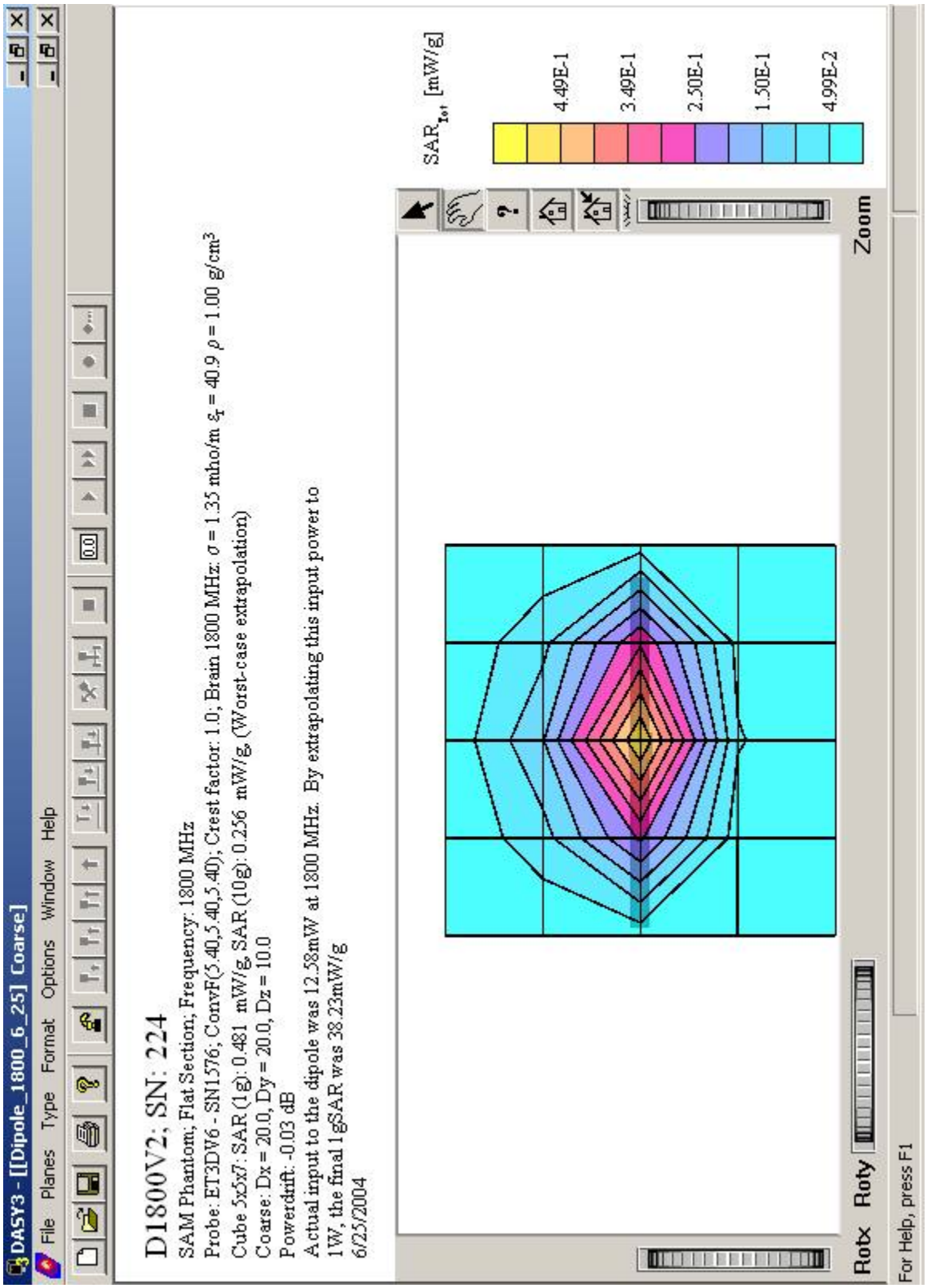
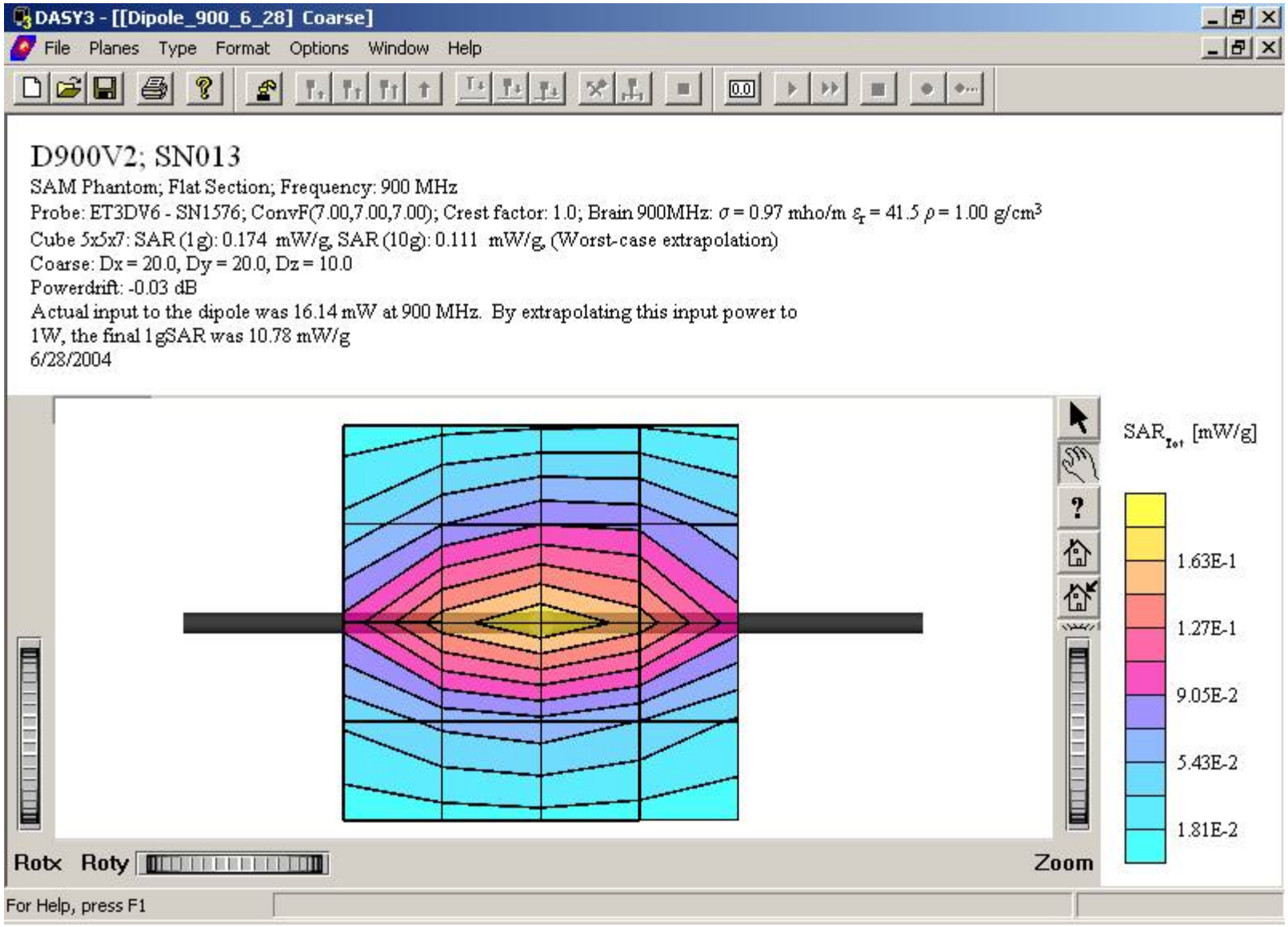
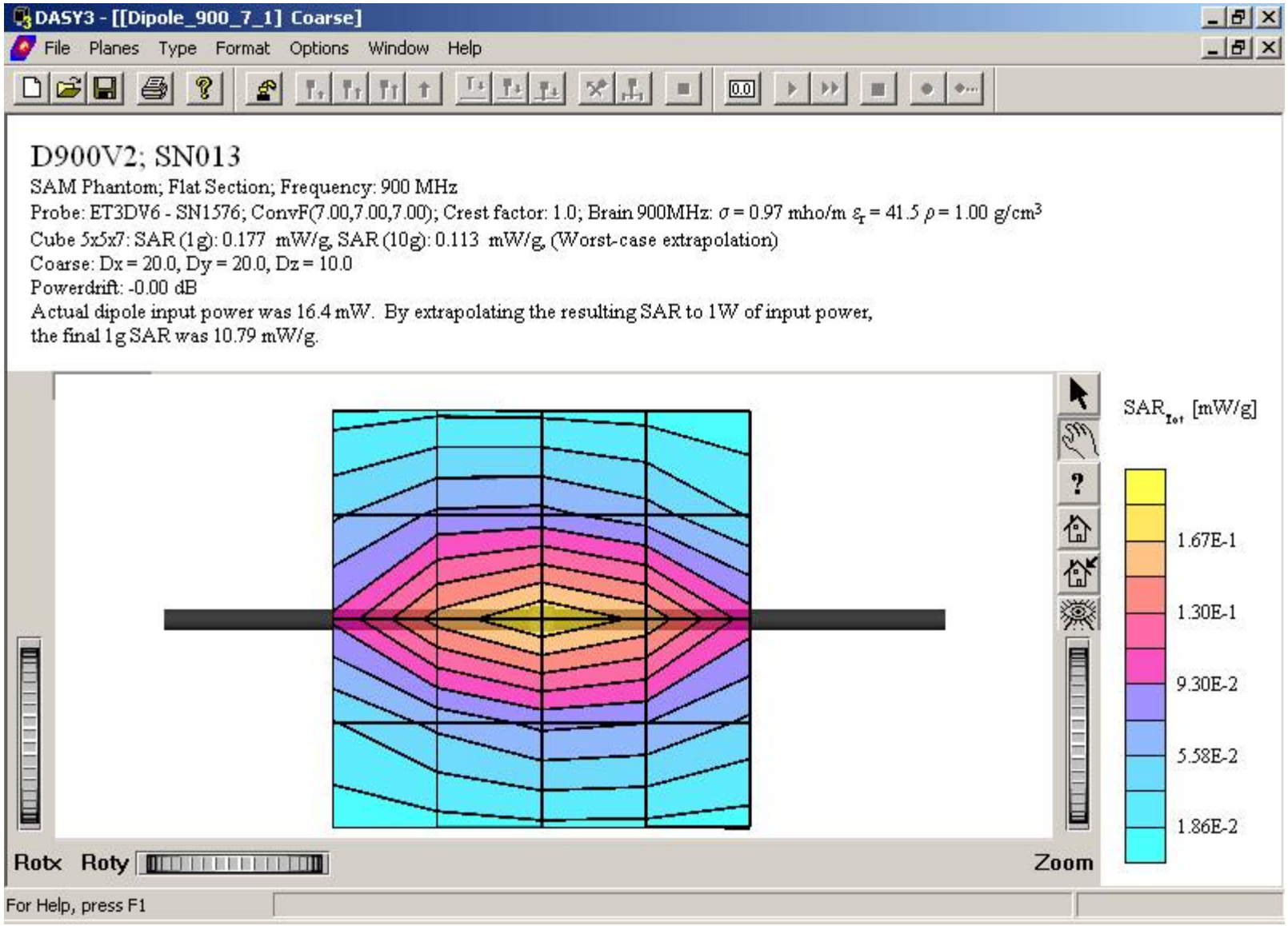
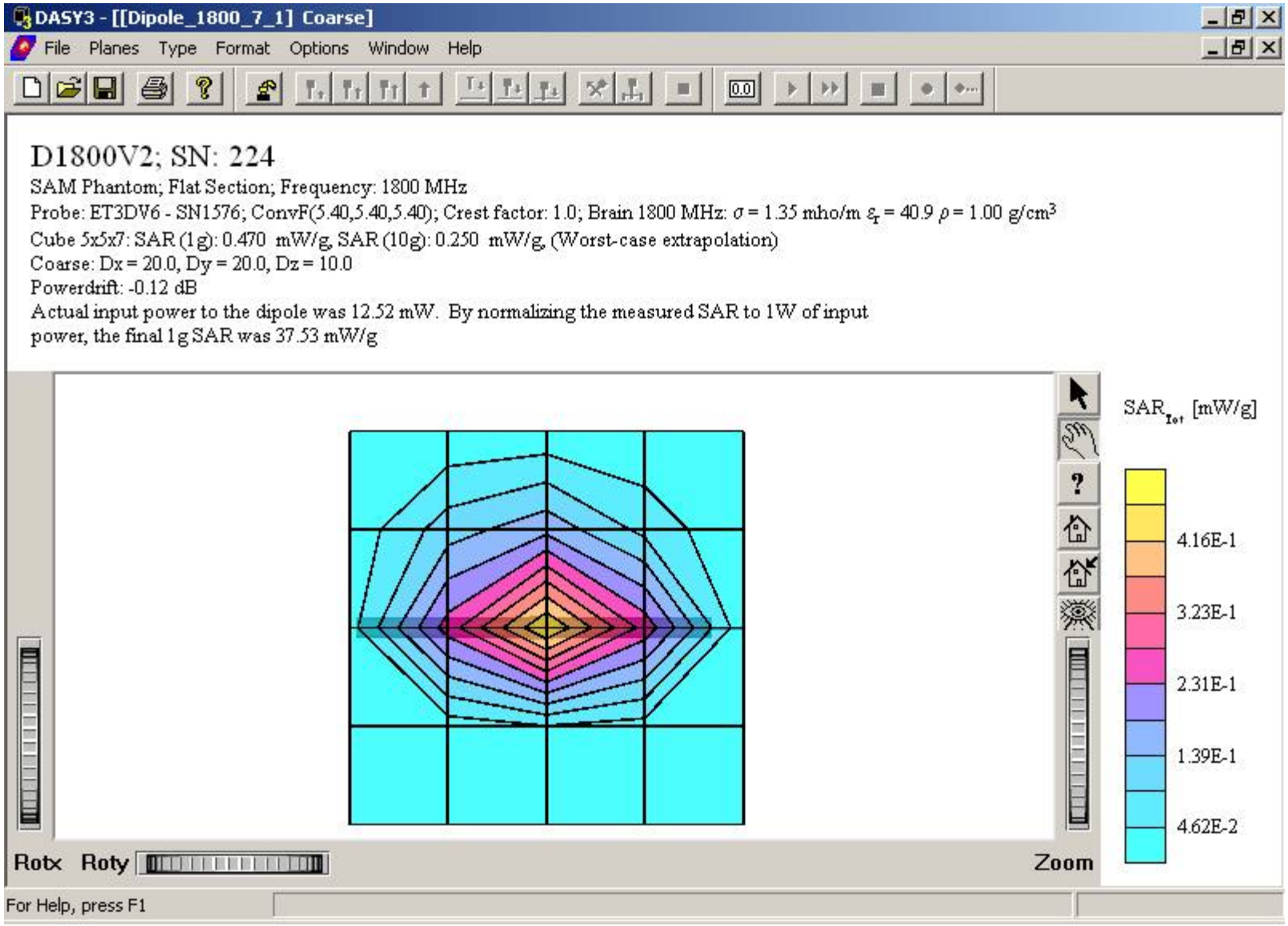
1.0 Graphical Test Results

Dipole Validation Sweeps

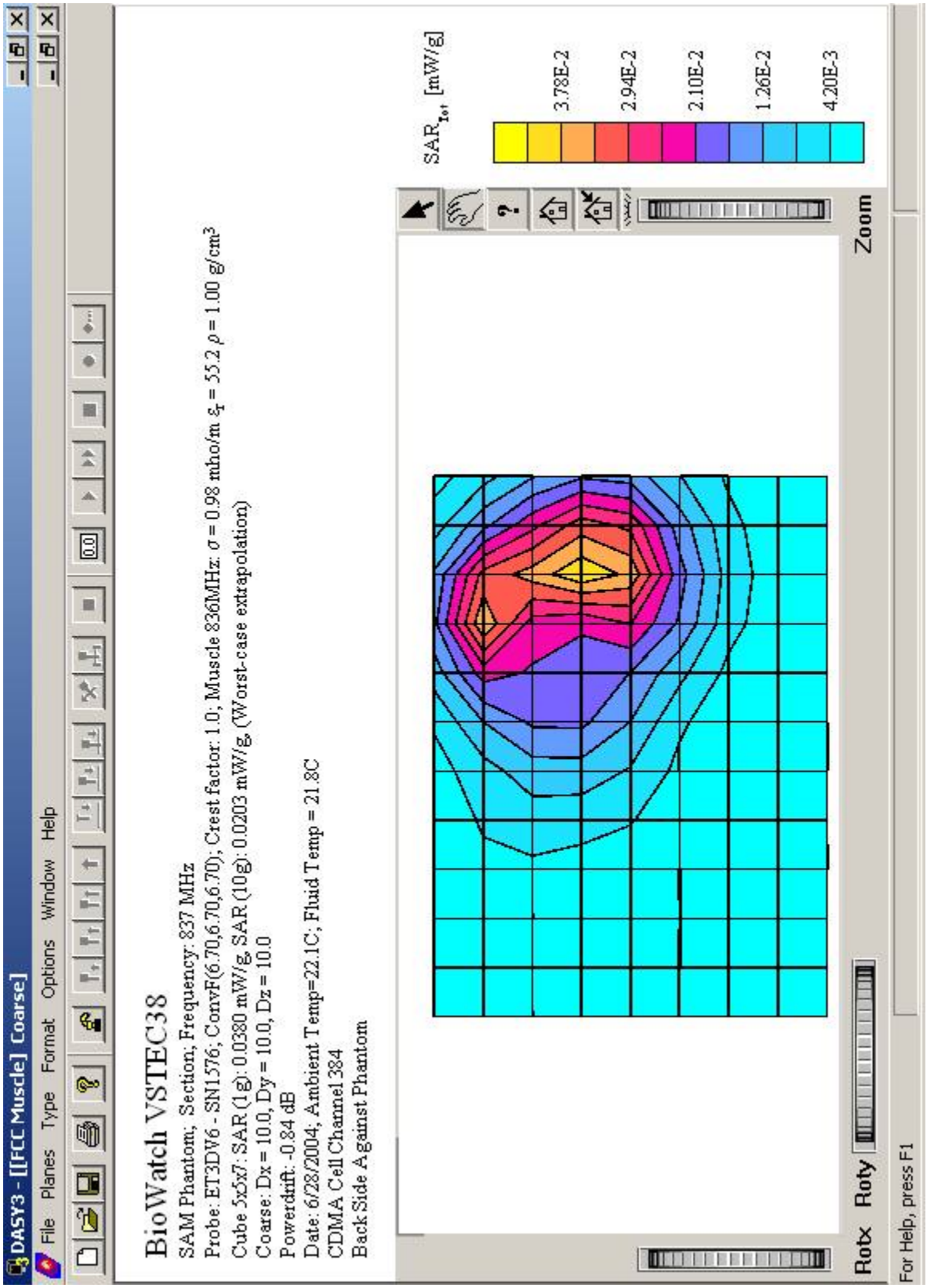


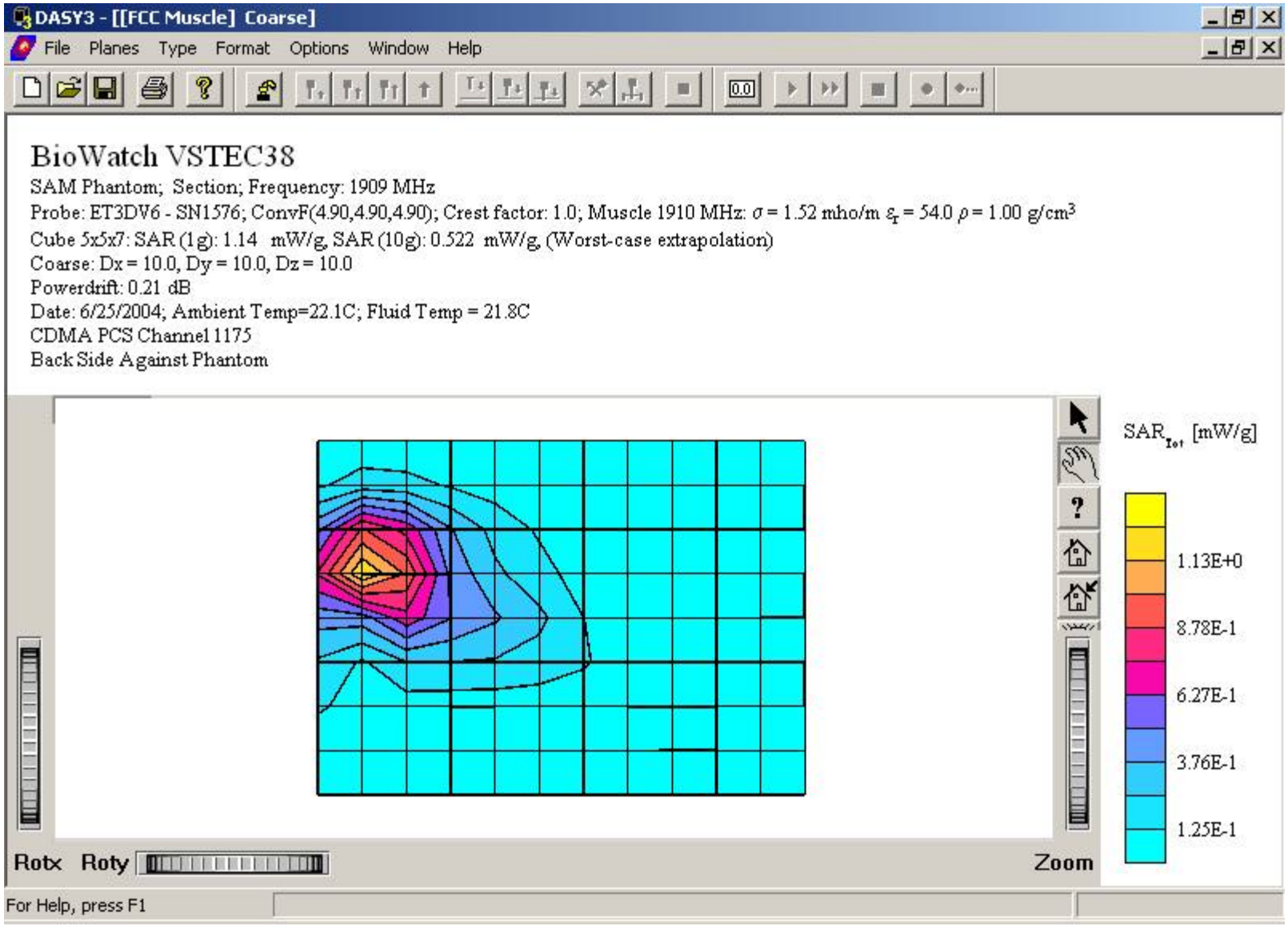

DASY3 - [[Dipole_900_6_28] Coarse]
File Planes Type Format Options Window Help
D900V2; SN013
SAM Phantom; Flat Section; Frequency: 900 MHz
Probe: ET3DV6 - SN1576; ConvF(7.00,7.00,7.00); Crest factor: 1.0; Brain 900MHz: σ = 0.97 mho/m εr = 41.5 ρ = 1.00 g/cm3
Cube 5x5x7: SAR (1g): 0.174 mW/g, SAR (10g): 0.111 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.03 dB
Actual input to the dipole was 16.14 mW at 900 MHz. By extrapolating this input power to
1W, the final 1gSAR was 10.78 mW/g
6/28/2004
SAR Tot [mW/g]
1.63E-1
1.27E-1
9.05E-2
5.43E-2
1.81E-2
Rotx Roty
Zoom
For Help, press F1

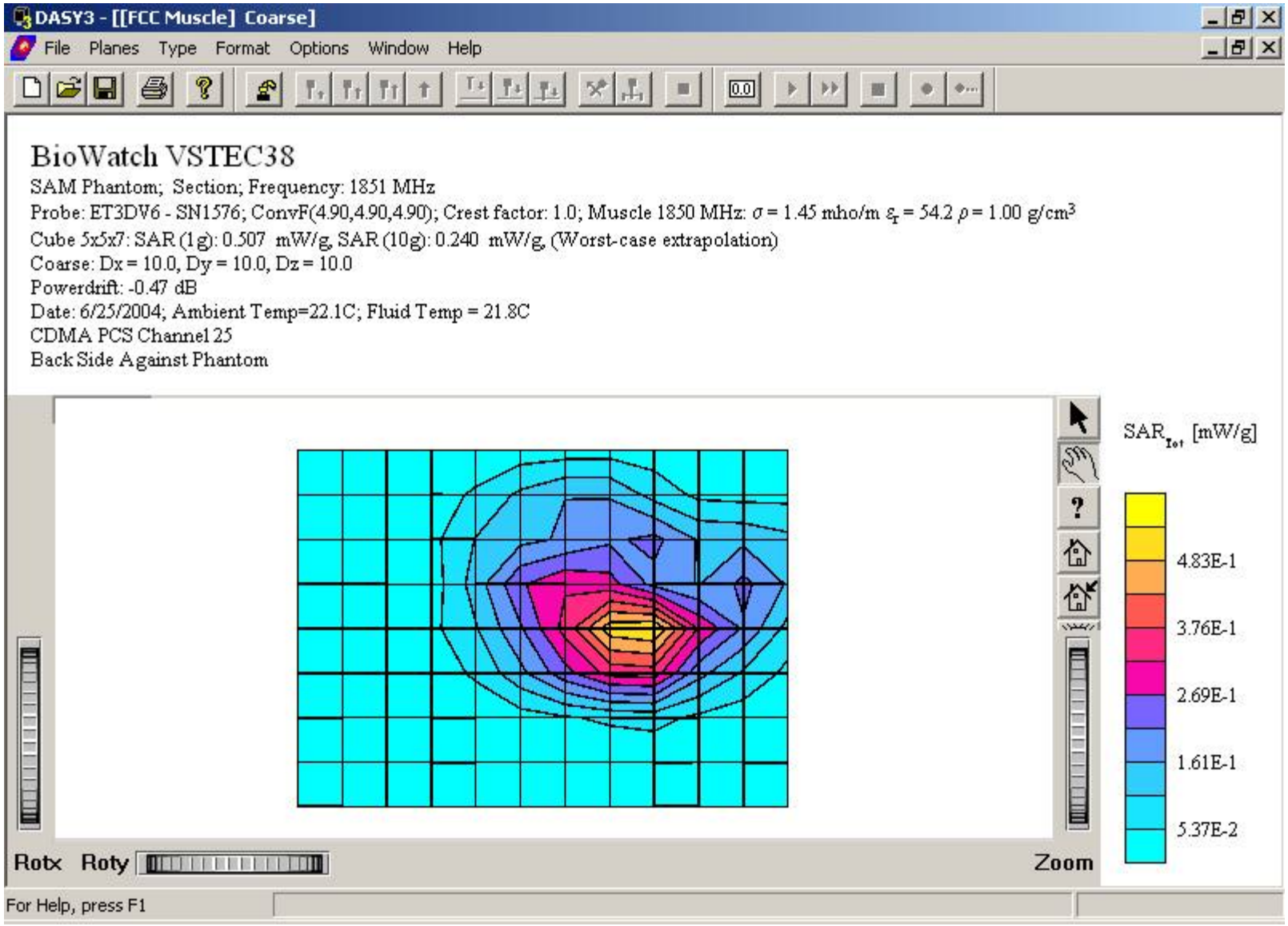

DASY3 - [[Dipole_900_7_1] Coarse]
File Planes Type Format Options Window Help
D900V2; SN013
SAM Phantom; Flat Section; Frequency: 900 MHz
Probe: ET3DV6 - SN1576; ConvF(7.00,7.00,7.00); Crest factor: 1.0; Brain 900MHz: σ = 0.97 mho/m εr = 41.5 ρ = 1.00 g/cm3
Cube 5x5x7: SAR (1g): 0.177 mW/g, SAR (10g): 0.113 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.00 dB
Actual dipole input power was 16.4 mW. By extrapolating the resulting SAR to 1W of input power,
the final 1g SAR was 10.79 mW/g.
SAR Tot [mW/g]
1.67E-1
1.30E-1
9.30E-2
5.58E-2
1.86E-2
Rotx Roty
Zoom
For Help, press F1

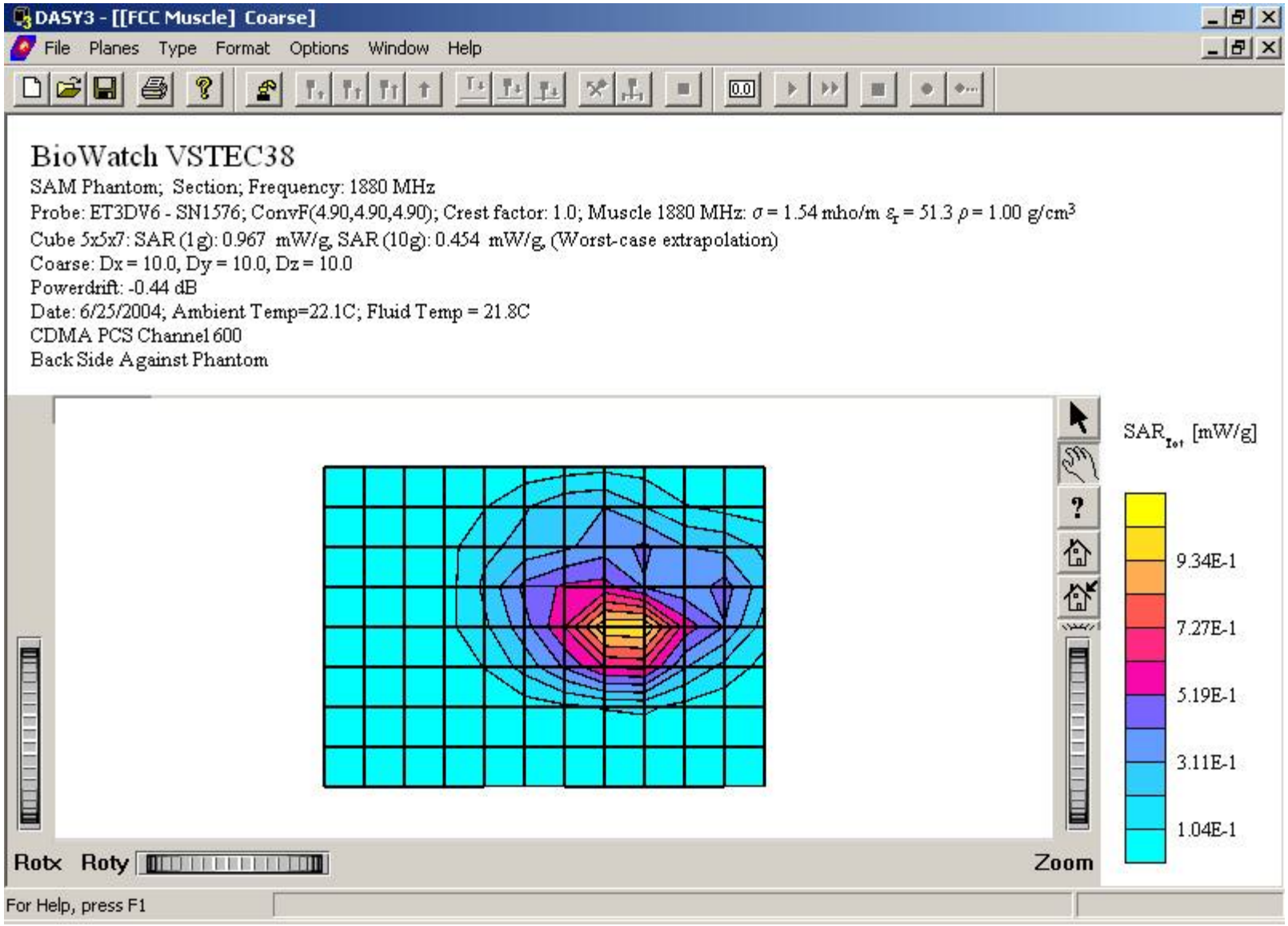

DASY3 - [[Dipole_1800_7_1] Coarse]
File Planes Type Format Options Window Help
D1800V2; SN: 224
SAM Phantom; Flat Section; Frequency: 1800 MHz
Probe: ET3DV6 - SN1576; ConvF(5.40,5.40,5.40); Crest factor: 1.0; Brain 1800 MHz: σ = 1.35 mho/m εr = 40.9 ρ = 1.00 g/cm3
Cube 5x5x7: SAR (1g): 0.470 mW/g, SAR (10g): 0.250 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.12 dB
Actual input power to the dipole was 12.52 mW. By normalizing the measured SAR to 1W of input power, the final 1g SAR was 37.53 mW/g
SAR Tot [mW/g]
4.16E-1
3.23E-1
2.31E-1
1.39E-1
4.62E-2
Rotx Roty
Zoom
For Help, press F1

SAR Scans on Biowatch VSTEC38




DASY3 - [[FCC Muscle] Coarse]
File Planes Type Format Options Window Help
BioWatch VSTEC38
SAM Phantom; Section; Frequency: 1909 MHz
Probe: ET3DV6 - SN1576; ConvF(4.90,4.90,4.90); Crest factor: 1.0; Muscle 1910 MHz: σ = 1.52 mho/m εr = 54.0 ρ = 1.00 g/cm3
Cube 5x5x7: SAR (1g): 1.14 mW/g, SAR (10g): 0.522 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0
Powerdrift: 0.21 dB
Date: 6/25/2004; Ambient Temp=22.1C; Fluid Temp = 21.8C
CDMA PCS Channel 1175
Back Side Against Phantom
SAR Tot [mW/g]
1.13E+0
8.78E-1
6.27E-1
3.76E-1
1.25E-1
Rotx Roty
Zoom
For Help, press F1


DASY3 - [[FCC Muscle] Coarse]
File Planes Type Format Options Window Help
BioWatch VSTEC38
SAM Phantom; Section; Frequency: 1851 MHz
Probe: ET3DV6 - SN1576; ConvF(4.90,4.90,4.90); Crest factor: 1.0; Muscle 1850 MHz: σ = 1.45 mho/m εr = 54.2 ρ = 1.00 g/cm3
Cube 5x5x7: SAR (1g): 0.507 mW/g, SAR (10g): 0.240 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0
Powerdrift: -0.47 dB
Date: 6/25/2004; Ambient Temp=22.1C; Fluid Temp = 21.8C
CDMA PCS Channel 25
Back Side Against Phantom
SAR Tot [mW/g]
4.83E-1
3.76E-1
2.69E-1
1.61E-1
5.37E-2
Rotx
Roty
Zoom
For Help, press F1


DASY3 - [[FCC Muscle] Coarse]
File Planes Type Format Options Window Help
BioWatch VSTEC38
SAM Phantom; Section; Frequency: 1880 MHz
Probe: ET3DV6 - SN1576; ConvF(4.90,4.90,4.90); Crest factor: 1.0; Muscle 1880 MHz: σ = 1.54 mho/m εr = 51.3 ρ = 1.00 g/cm3
Cube 5x5x7: SAR (1g): 0.967 mW/g, SAR (10g): 0.454 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 10.0, Dz = 10.0
Powerdrift: -0.44 dB
Date: 6/25/2004; Ambient Temp=22.1C; Fluid Temp = 21.8C
CDMA PCS Channel 600
Back Side Against Phantom
SAR Tot [mW/g]
9.34E-1
7.27E-1
5.19E-1
3.11E-1
1.04E-1
Rotx
Roty
Zoom
For Help, press F1