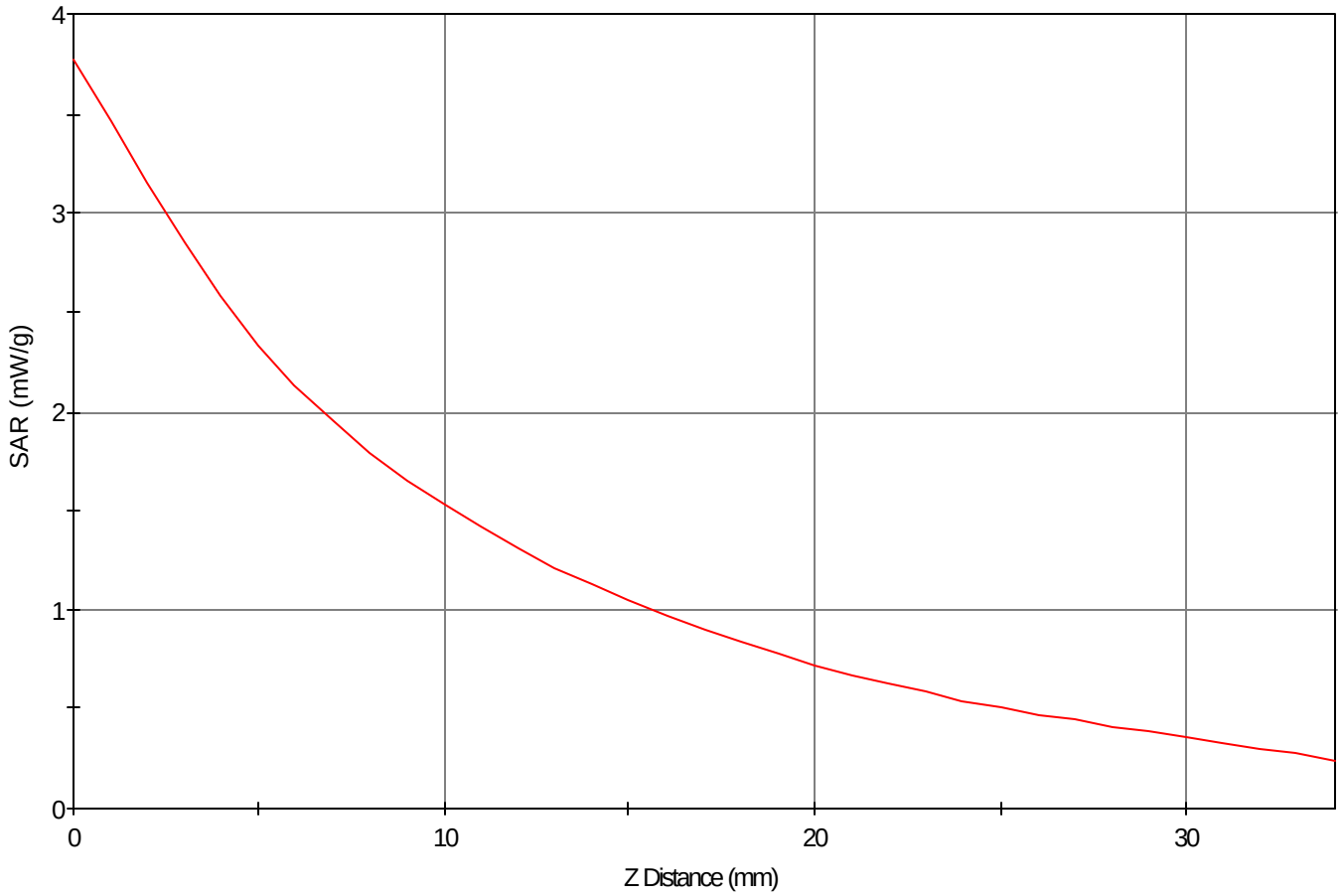
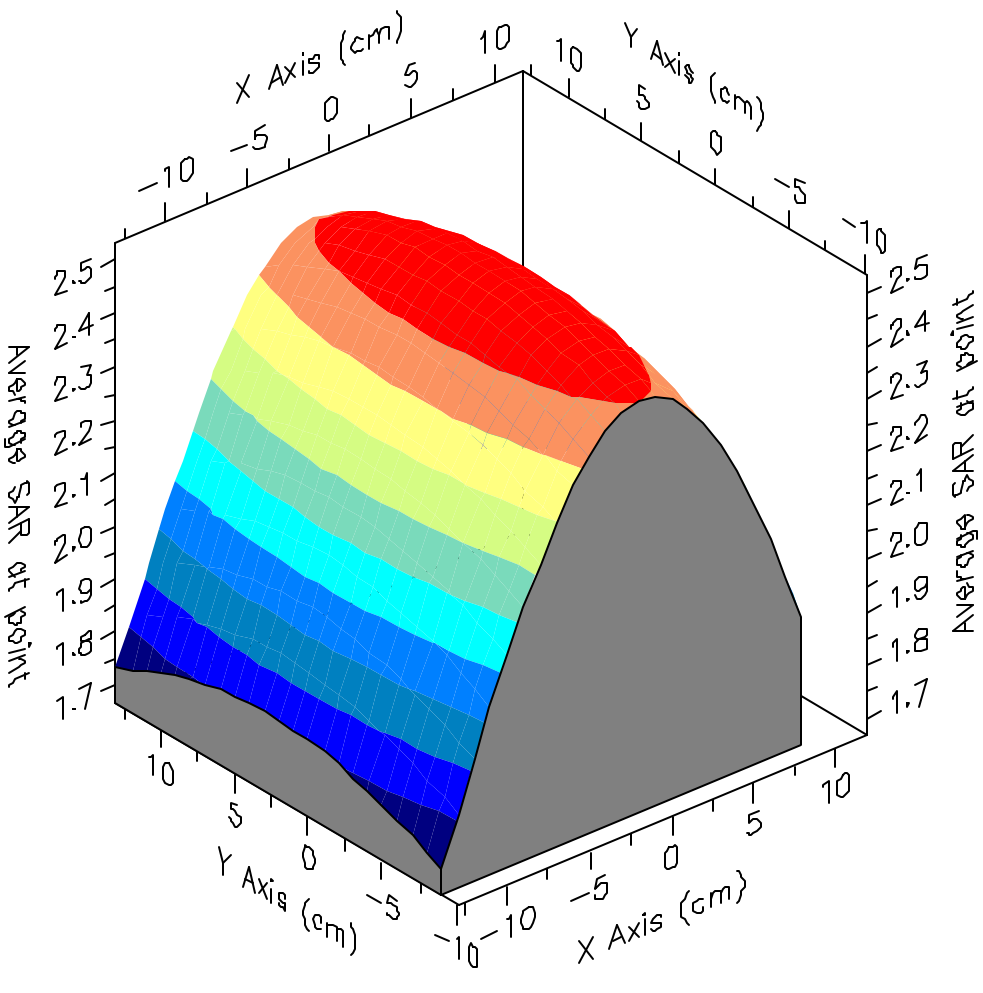
SAR Data Report 02070801

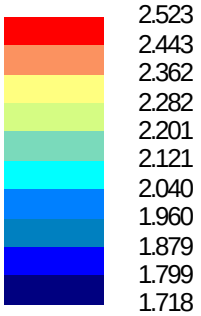
```
  Start        : 8-Jul-02 8:48:20 am
  End          : 8-Jul-02 8:54:22 am
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : Validation
  Frequency        : 835 MHz
  Transmit Pwr     : 0.250 W
  Antenna Type     : Dipole

Measurement Data:
  Phantom Name        : SAM-FLAT
  Phantom Type        : Uniphantom
  Tissue Type         : Brain
  Tissue Dielectric   : 42.200
  Tissue Conductivity : 0.930
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT002
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.700
  Calibrated Conductivity :  0.890
  Calibrated Density      :  1.000
  Probe Offset            :  2.400 mm
  Conversion Factor       :  5.800
  Probe Sensitivity :  3.597   3.474   3.049   mV/(mW/cm^2)
  Amplifier Gains   :  20.00   20.00   20.00

Sample:
  Rate:         6000 Samples/Sec
  Count:        100 Samples
  NIDAQ Gain:   5

Comments:
  835 MHz Validation

  CF=1; Amb. Temp= 22.5 'C; Liq. Temp=22.1 'C




Area Scan - Max Peak SAR Value at x=-2.0 y=2.0 = 2.41 W/kg

Zoom Scan - Max Peak SAR Value at x=-1.0 y=8.0 z=0.0 = 3.78 W/kg

Max 1g SAR at x=-1.0 y=2.0 z=0.0 = 2.52 W/kg

Max 10g SAR at x=-1.0 y=2.0 z=0.0 = 1.59 W/kg

Validation Results at 0.25 W:
Peak Nominal = 3.5, Error:  7.91 %
1g Nominal   = 2.4, Error:  6.25 %
10g Nominal  = 1.6, Error:  2.59 %
```

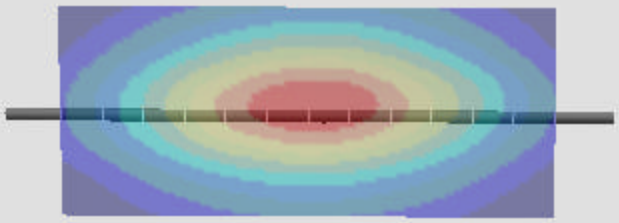
SAR - Z Axis
at Hotspot x:-1.0 y:8.0



1g SAR Values



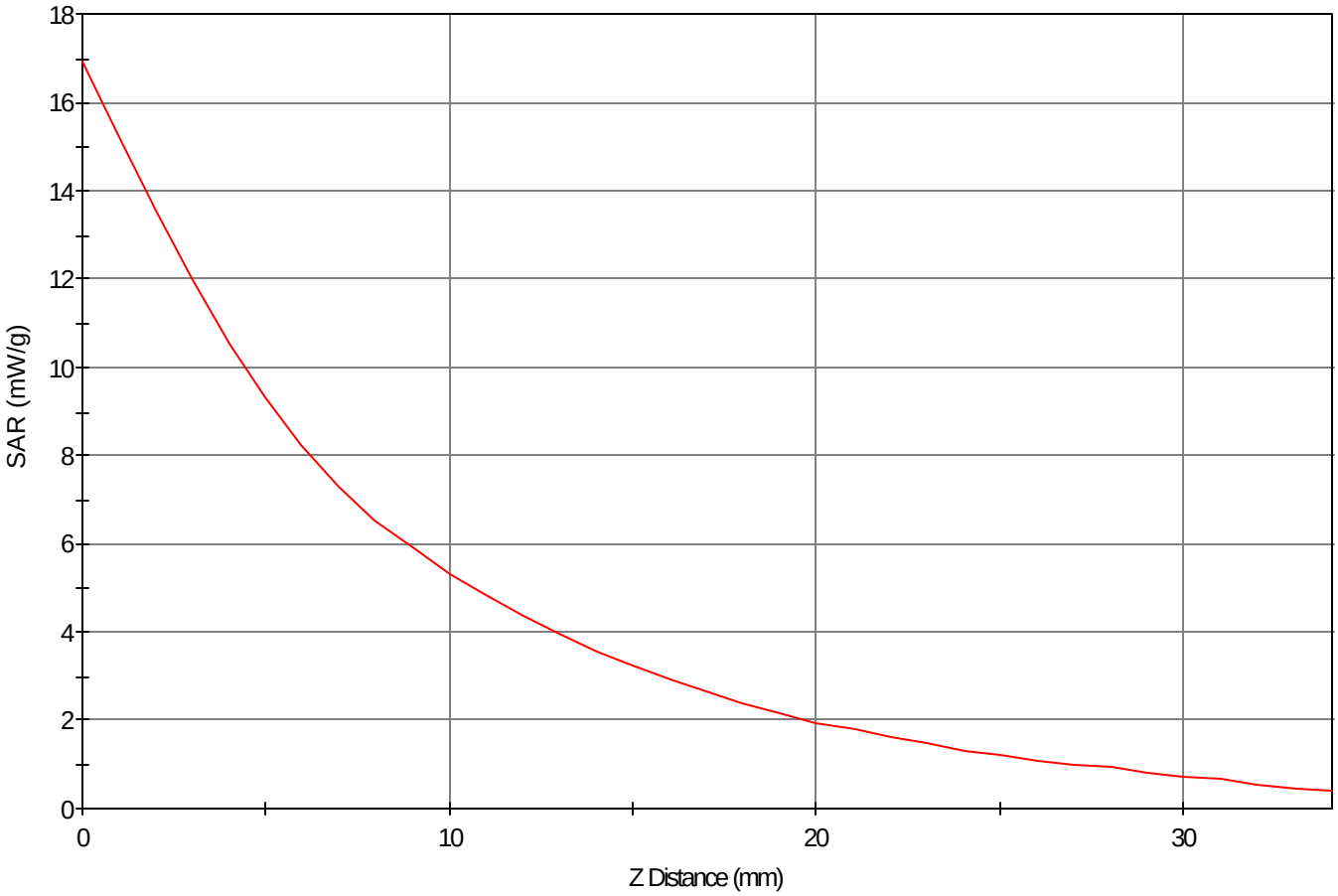
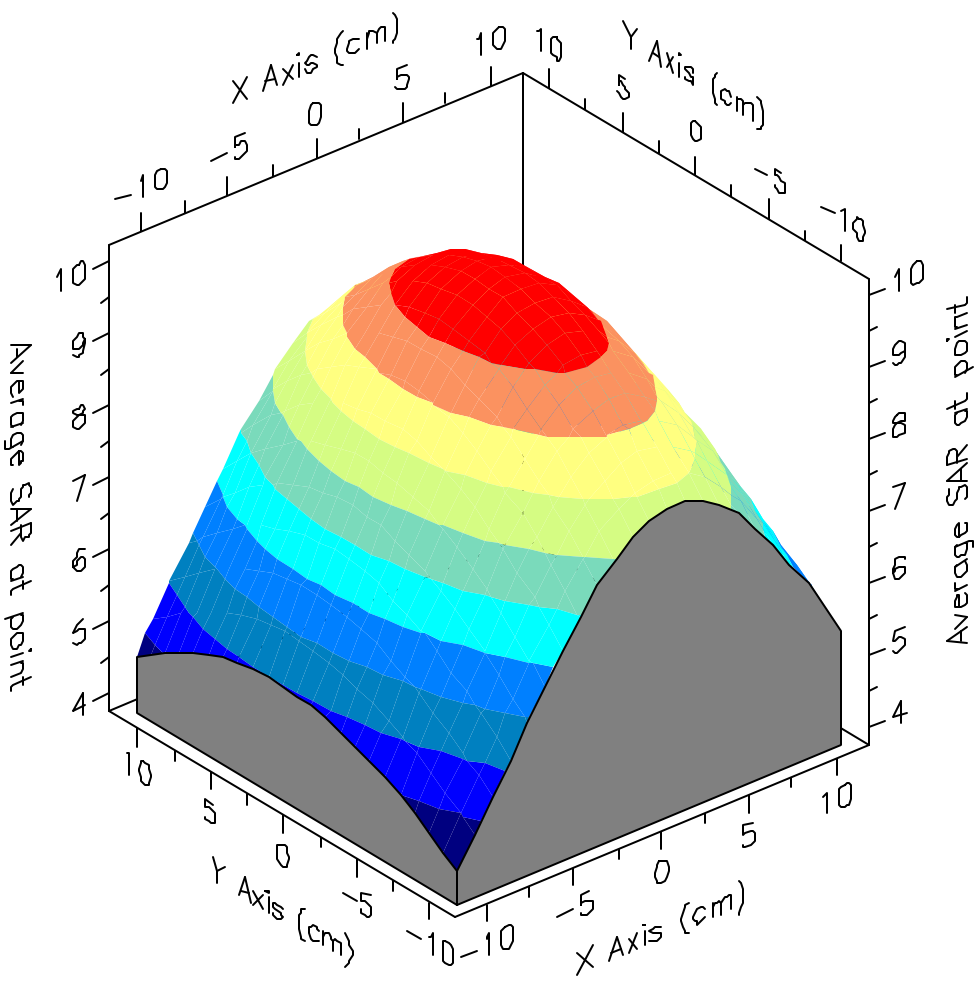
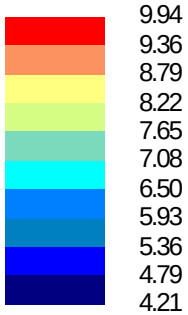
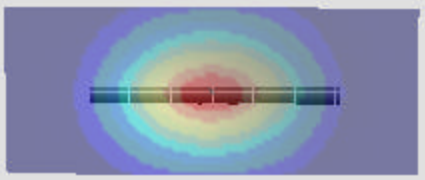




SAR Data Report 02070804

```
  Start        : 8-Jul-02 09:08:30 pm
  End          : 8-Jul-02 09:13:56 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : Validation
  Frequency        : 1900 MHz
  Transmit Pwr     : 0.250 W
  Antenna Type     : Dipole

Measurement Data:
  Phantom Name        : SAM-FLAT
  Phantom Type        : Uniphantom
  Tissue Type         : Brain
  Tissue Dielectric   : 40.890
  Tissue Conductivity : 1.410
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT002
  Probe Type              : E Fld Triangle
  Frequency               : 1900 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.200
  Calibrated Conductivity :  1.410
  Calibrated Density      :  1.000
  Probe Offset            :  2.400 mm
  Conversion Factor       :  4.700
  Probe Sensitivity :  3.000   2.995   2.653   mV/(mW/cm^2)
  Amplifier Gains   :  20.00   20.00   20.00

Sample:
  Rate:         6000 Samples/Sec
  Count:        100 Samples
  NIDAQ Gain:   5

Comments:
  1900 MHz Validation

  CF=1; Amb. Temp= 22.4 'C; Liq. Temp=22.1 'C



Area Scan - Max Peak SAR Value at x=0.0 y=0.0 = 9.39 W/kg

Zoom Scan - Max Peak SAR Value at x=0.0 y=0.0 z=0.0 = 16.94 W/kg

Max 1g SAR at x=1.0 y=1.0 z=0.0 = 9.94 W/kg

Max 10g SAR at x=1.0 y=0.0 z=0.0 = 5.19 W/kg

Validation Results at 0.25 W:
Peak Nominal = 18.0, Error:  -6.03 %
1g Nominal   = 9.9, Error:  0.12 %
10g Nominal  = 5.1, Error:  1.26 %
```

SAR - Z Axis
at Hotspot x:0.0 y:0.0



1g SAR Values