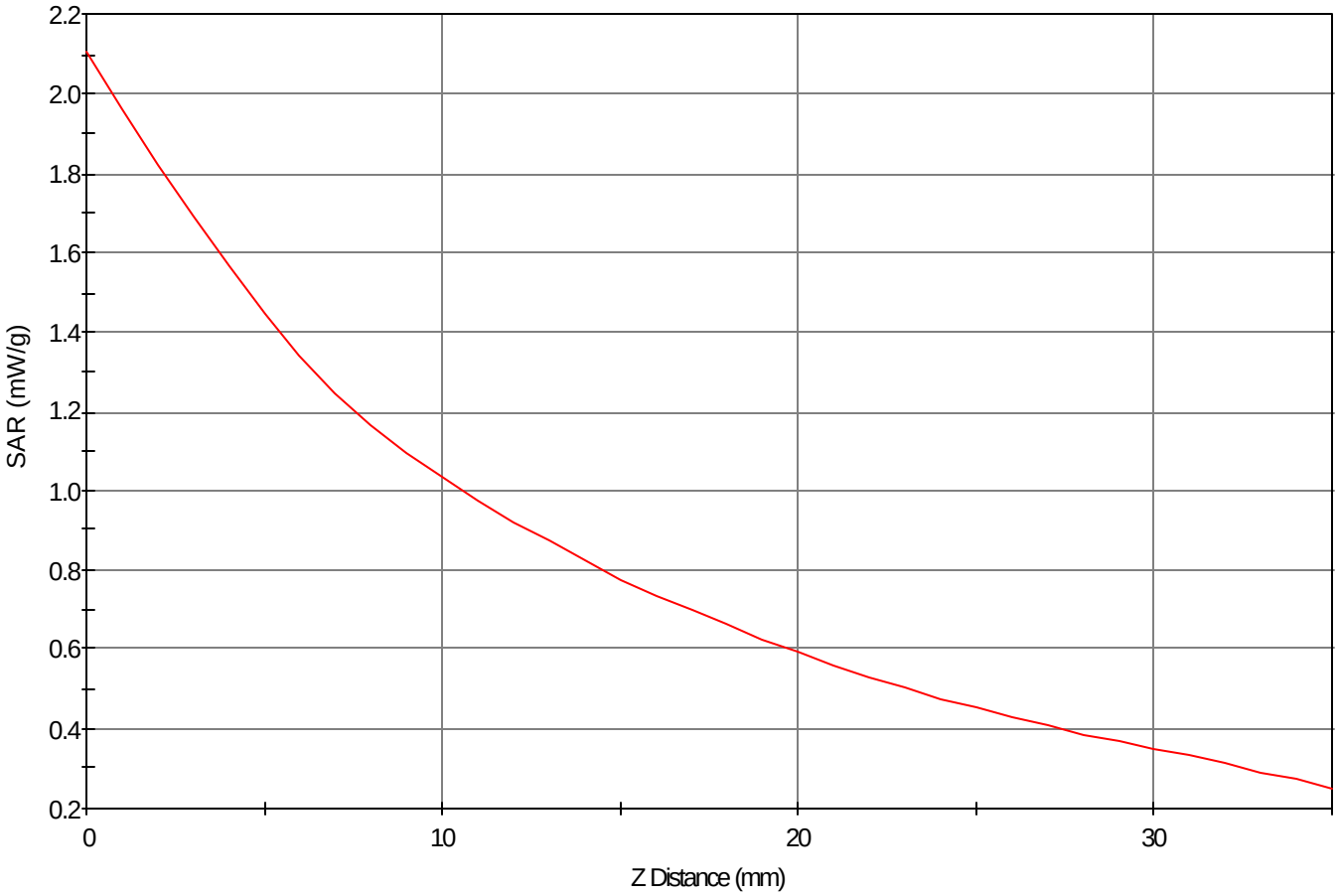
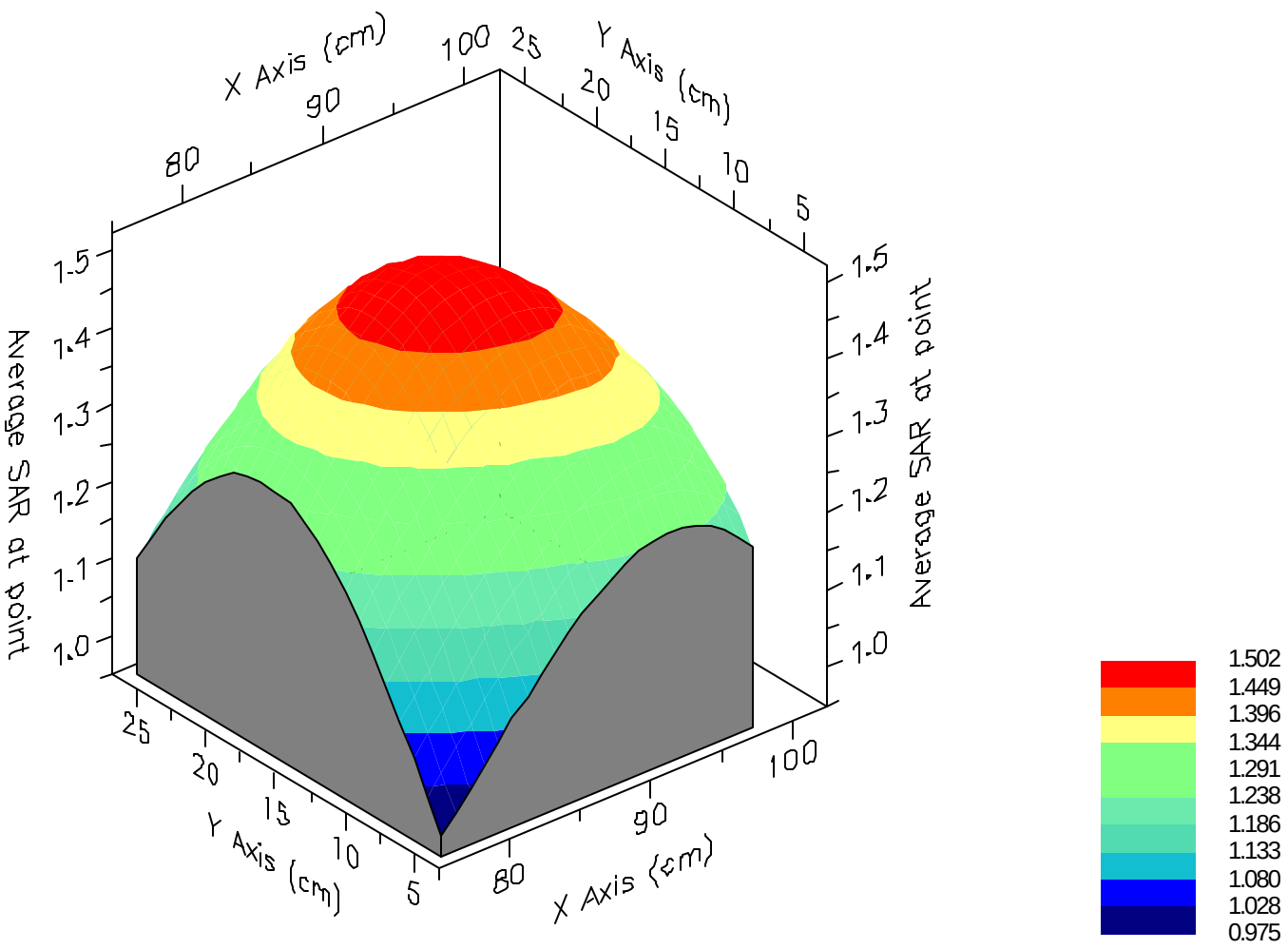
SAR Data Report 02122313

```
  Start        : 23-Dec-02 03:30:25 pm
  End          : 23-Dec-02 03:38:27 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SCH-A610
  Serial Number    : 2
  Frequency        : 848.31 MHz
  Transmit Pwr     : 0.355 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM-RIGHT
  Phantom Type        : Right Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.900
  Tissue Conductivity : 0.880
  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:        1000 Samples
  NIDAQ Gain:   5

Comments:
  CDMA Mode CH-777
  Cheek
  CF=1; Amb. Temp= 21.3 'C; Liq. Temp=20.0 'C



Area Scan - Max Peak SAR Value at x=87.0 y=15.0 = 1.46 W/kg

Zoom Scan - Max Peak SAR Value at x=87.0 y=16.0 z=0.0 = 2.10 W/kg

Max 1g SAR at x=87.0 y=16.0 z=0.0 = 1.47 W/kg

Max 10g SAR at x=87.0 y=15.0 z=0.0 = 1.01 W/kg
```

SAR - Z Axis
at Hotspot x:87.0 y:16.0



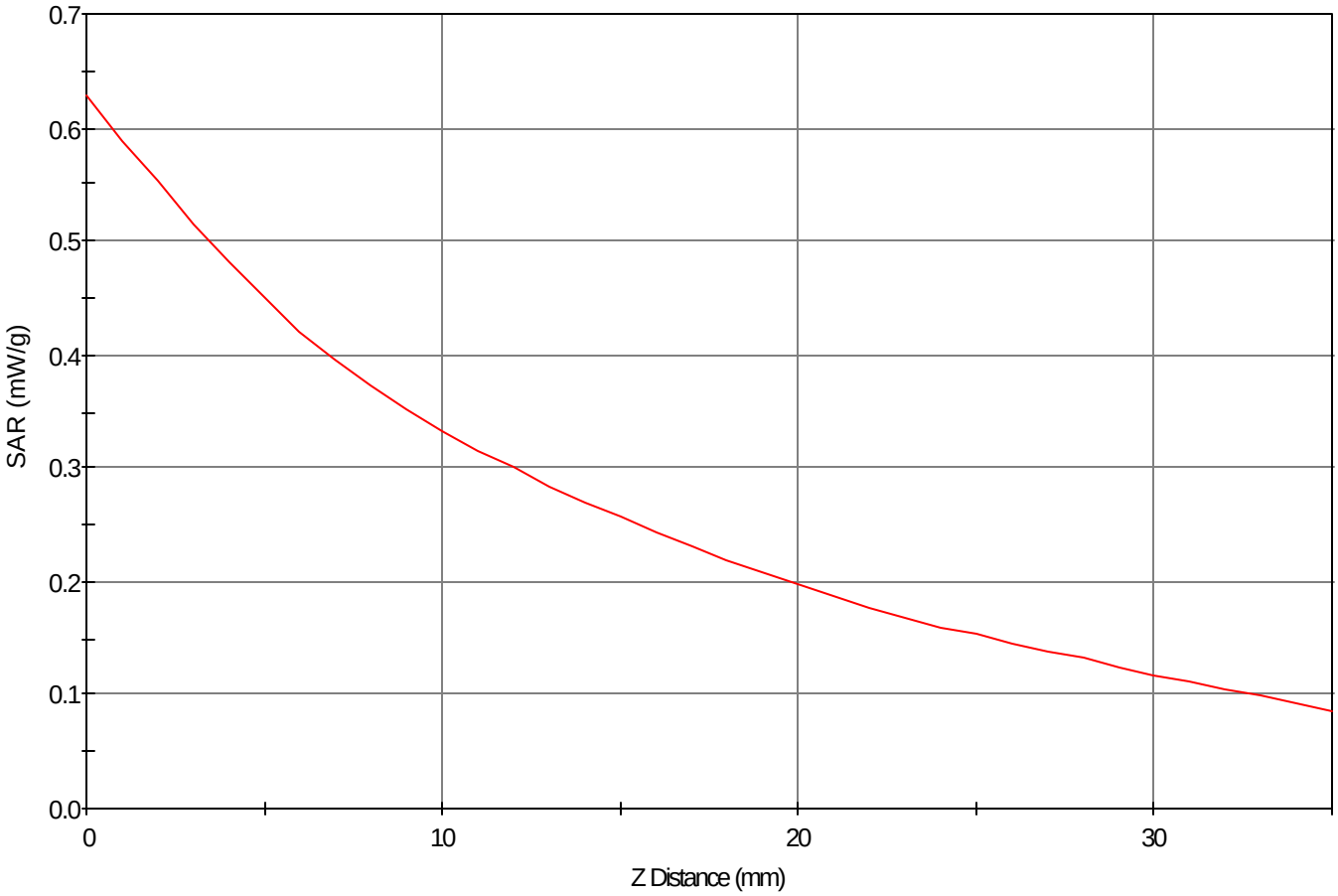
1g SAR Values



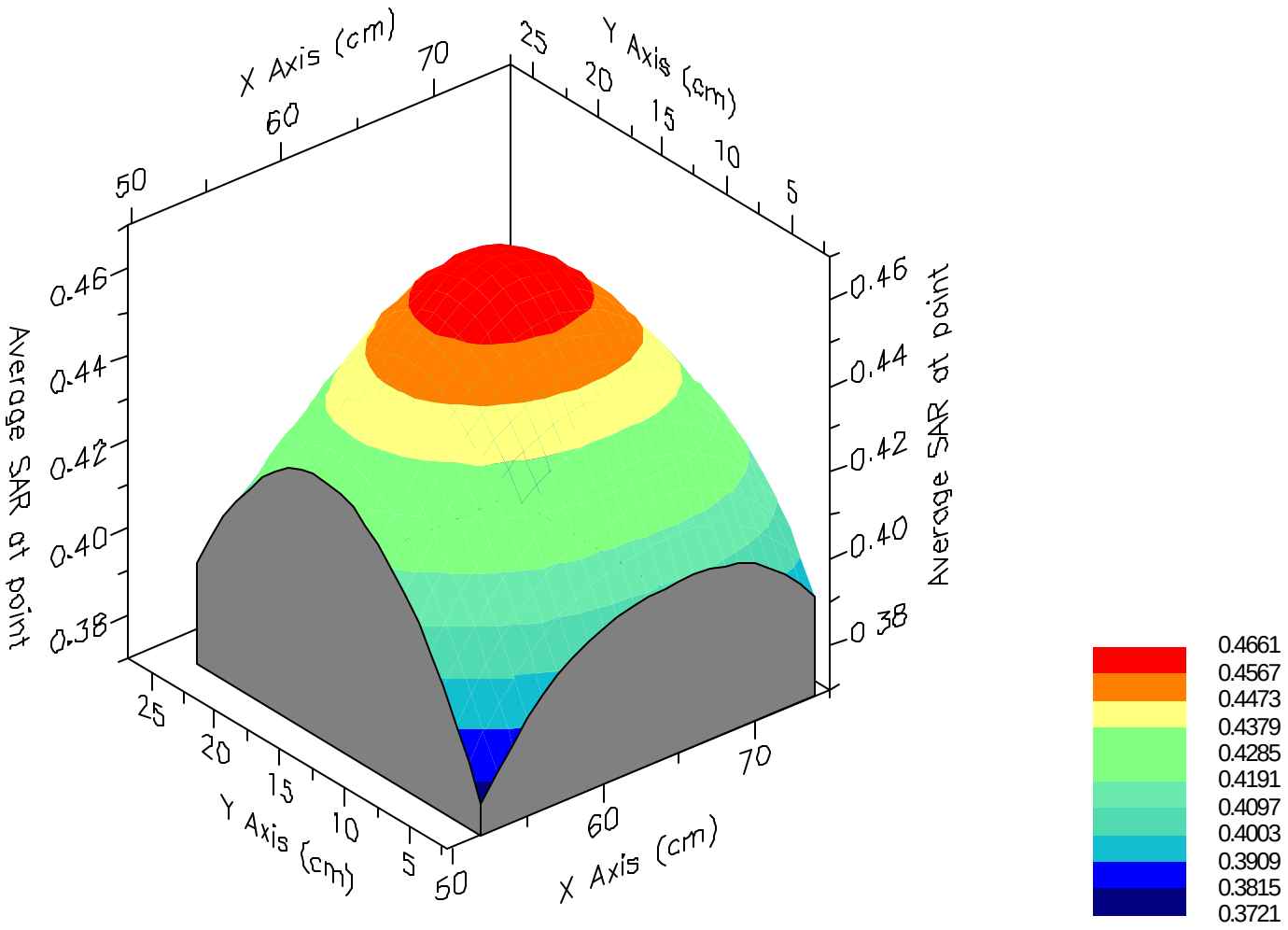
SAR Data Report 02122319

```
  Start        : 23-Dec-02 04:28:43 pm
  End          : 23-Dec-02 04:35:00 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SCH-A610
  Serial Number    : 2
  Frequency        : 835.89 MHz
  Transmit Pwr     : 0.355 W
  Antenna Type     : Helical
  Antenna Posn.    : In

Measurement Data:
  Phantom Name        : SAM-RIGHT
  Phantom Type        : Right Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.900
  Tissue Conductivity : 0.880
  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:        1000 Samples
  NIDAQ Gain:   5

Comments:
  CDMA Mode CH-363
  Tilt
  CF=1; Amb. Temp= 21.3 'C; Liq. Temp=20.0 'C



Area Scan - Max Peak SAR Value at x=63.0 y=13.0 = 0.46 W/kg

Zoom Scan - Max Peak SAR Value at x=63.0 y=14.0 z=0.0 = 0.63 W/kg

Max 1g SAR at x=63.0 y=14.0 z=0.0 = 0.47 W/kg

Max 10g SAR at x=62.0 y=13.0 z=0.0 = 0.33 W/kg
```

SAR - Z Axis
at Hotspot x:63.0 y:14.0



1g SAR Values

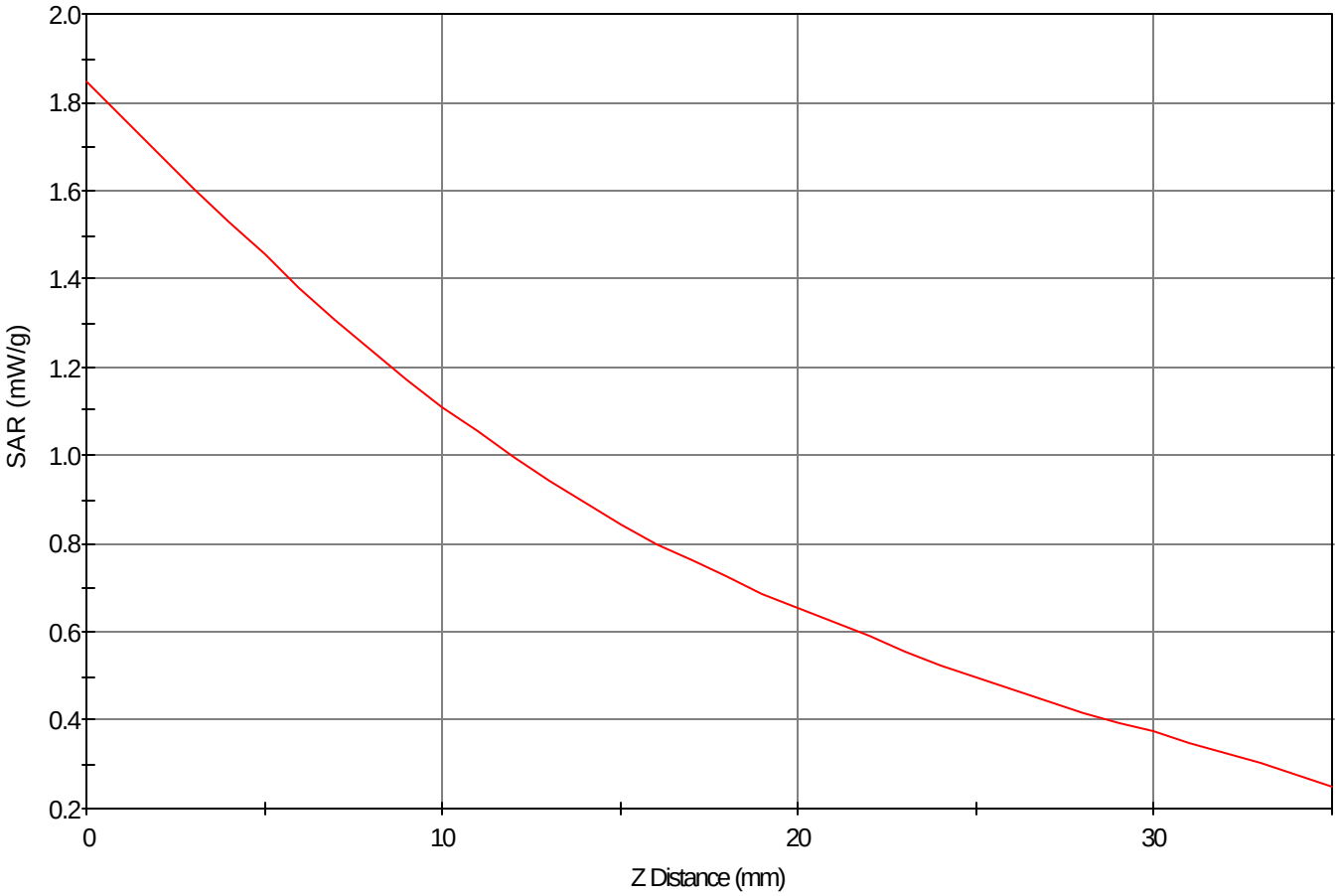



SAMSUNG
verizon

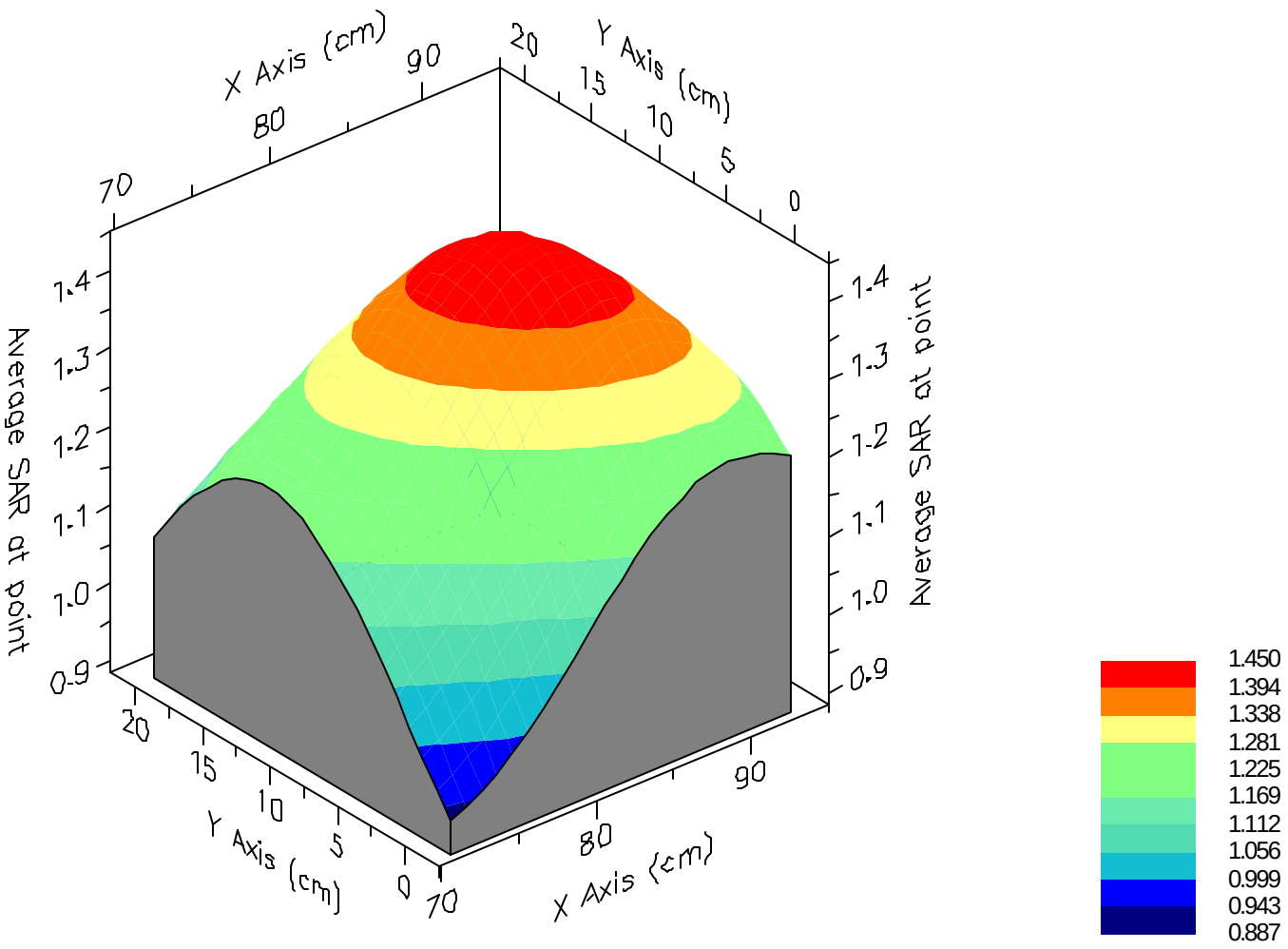
SAR Data Report 02122303

```
  Start        : 23-Dec-02 10:05:01 am
  End          : 23-Dec-02 10:19:01 am
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SCH-A610
  Serial Number    : 2
  Frequency        : 848.31 MHz
  Transmit Pwr     : 0.355 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM-LEFT
  Phantom Type        : Left Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.900
  Tissue Conductivity : 0.880
  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:        1000 Samples
  NIDAQ Gain:   5

Comments:
  CDMA Mode CH-777
  Cheek
  CF=1; Amb. Temp= 21.3 'C; Liq. Temp=20.0 'C



Area Scan - Max Peak SAR Value at x=82.0 y=9.0 = 1.48 W/kg

Zoom Scan - Max Peak SAR Value at x=84.0 y=9.0 z=0.0 = 1.85 W/kg

Max 1g SAR at x=84.0 y=9.0 z=0.0 = 1.45 W/kg

Max 10g SAR at x=82.0 y=8.0 z=0.0 = 1.01 W/kg
```

SAR - Z Axis
at Hotspot x:84.0 y:9.0



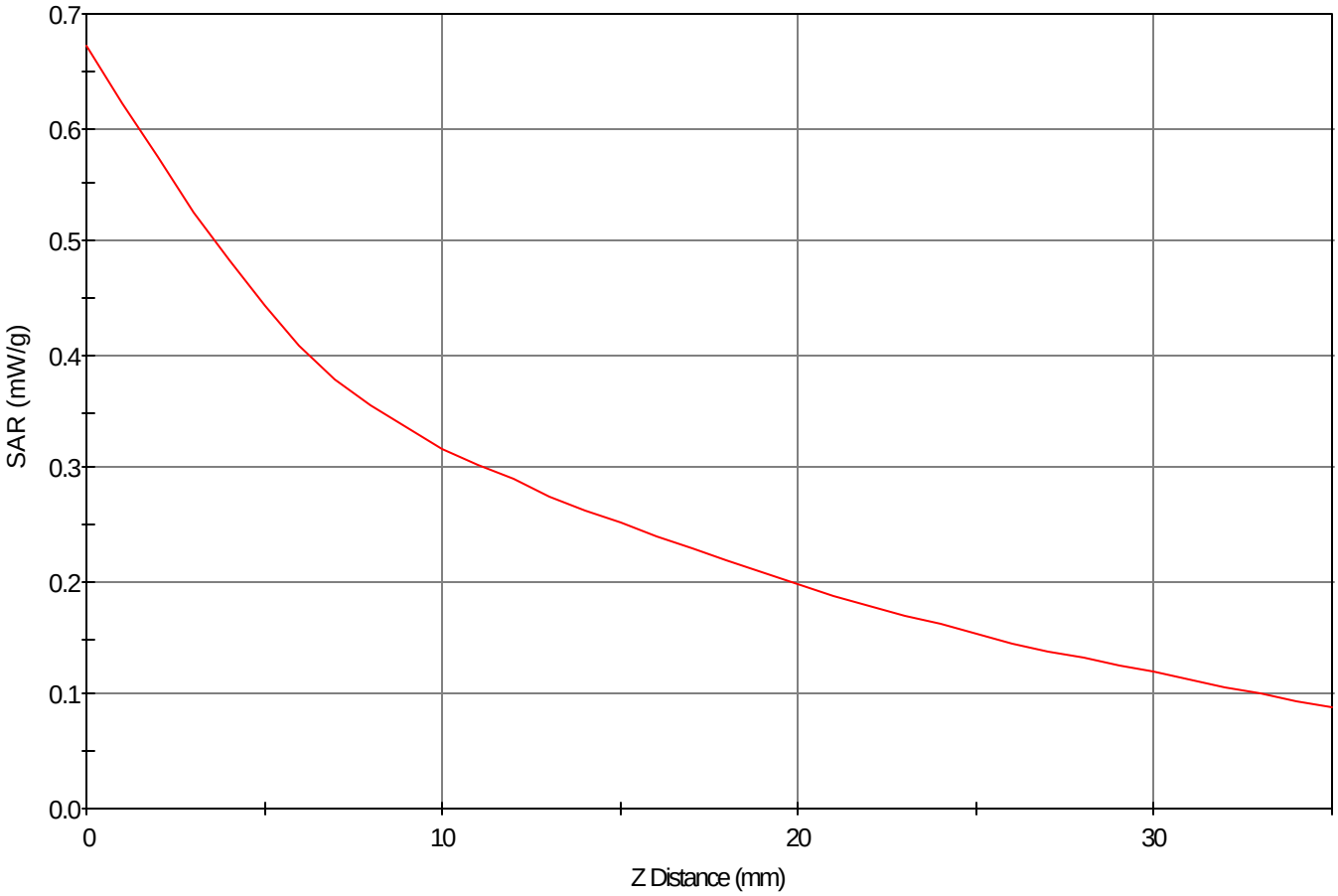
1g SAR Values

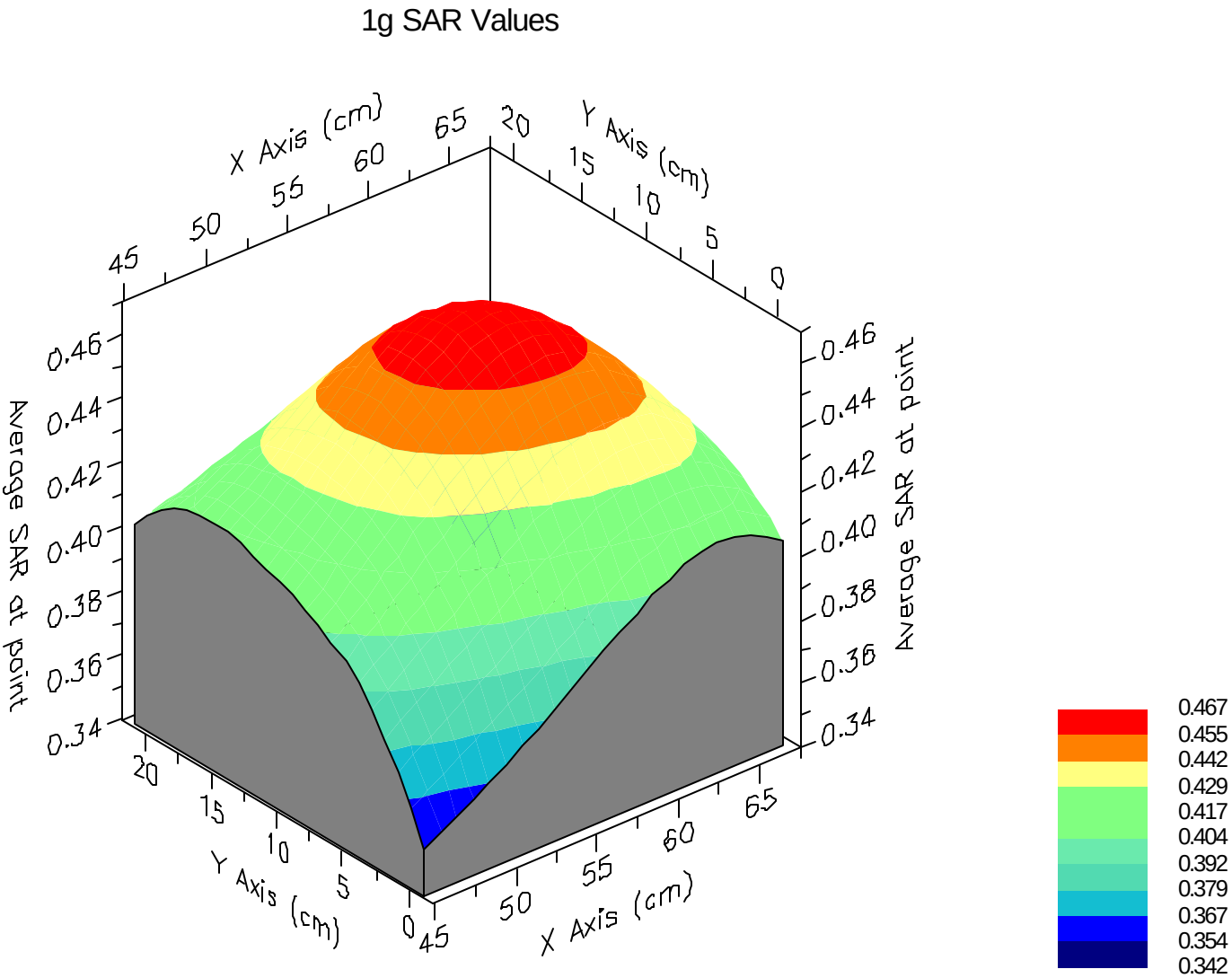


SAR Data Report 02122308

```
  Start        : 23-Dec-02 11:28:22 am
  End          : 23-Dec-02 11:34:56 am
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SCH-A610
  Serial Number    : 2
  Frequency        : 835.89 MHz
  Transmit Pwr     : 0.355 W
  Antenna Type     : Helical
  Antenna Posn.    : In

Measurement Data:
  Phantom Name        : SAM-LEFT
  Phantom Type        : Left Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.900
  Tissue Conductivity : 0.880
  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:        1000 Samples
  NIDAQ Gain:   5

Comments:
  CDMA Mode CH-363
  Tilt
  CF=1; Amb. Temp= 21.3 'C; Liq. Temp=20.0 'C



Area Scan - Max Peak SAR Value at x=56.0 y=10.0 = 0.44 W/kg

Zoom Scan - Max Peak SAR Value at x=58.0 y=11.0 z=0.0 = 0.67 W/kg

Max 1g SAR at x=58.0 y=11.0 z=0.0 = 0.47 W/kg

Max 10g SAR at x=55.0 y=10.0 z=0.0 = 0.33 W/kg
```

SAR - Z Axis
at Hotspot x:58.0 y:11.0



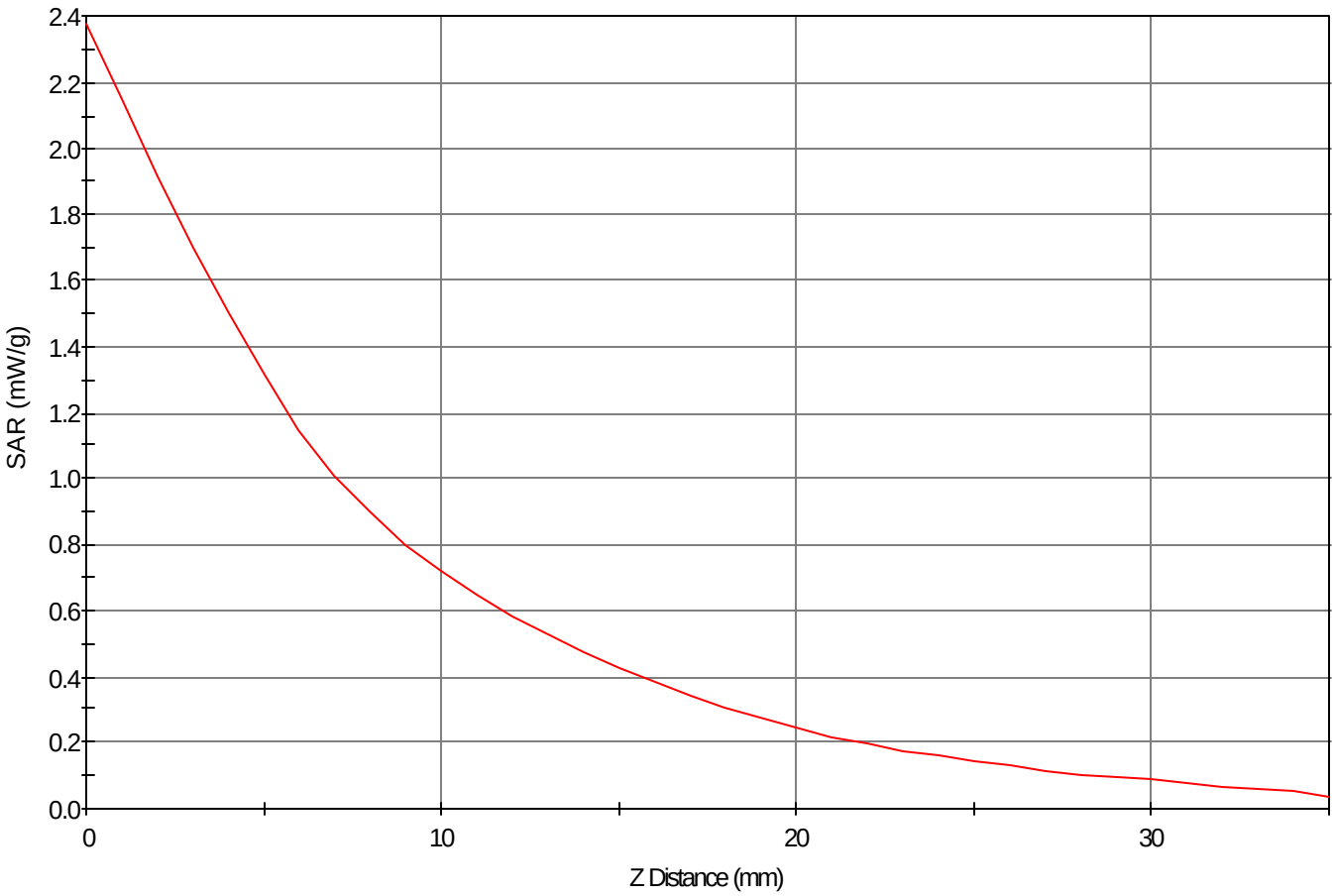

1g SAR Values
X Axis (cm)
45
50
55
60
65
Y Axis (cm)
0
5
10
15
20
Average SAR at point
0.34
0.36
0.38
0.40
0.42
0.44
0.46
0.467
0.455
0.442
0.429
0.417
0.404
0.392
0.379
0.367
0.354
0.342


SAMSUNG

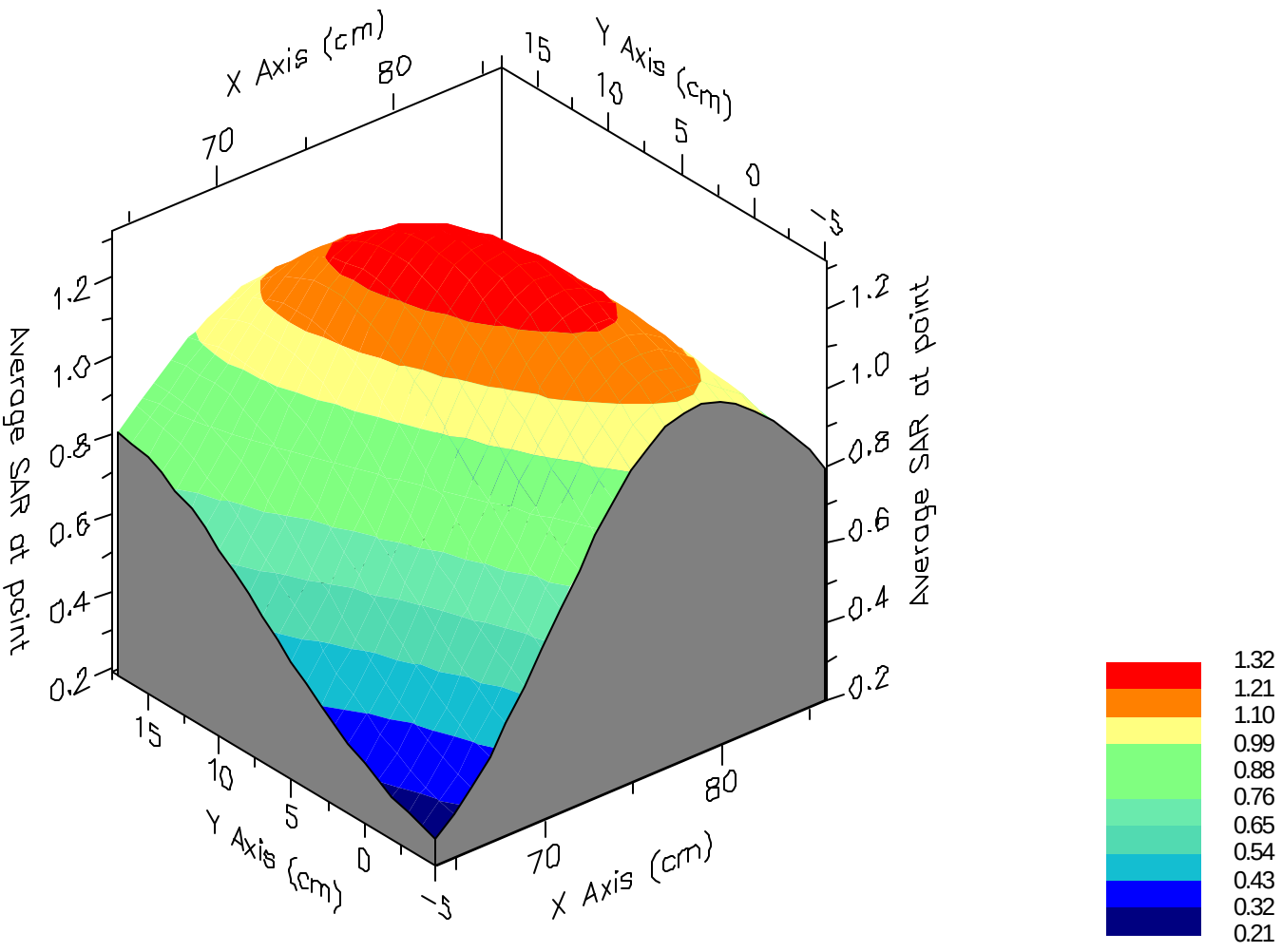
SAR Data Report 02122035

```
  Start        : 23-Dec-02 04:28:21 pm
  End          : 23-Dec-02 04:33:24 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SCH-A610
  Serial Number    : 2
  Frequency        : 1880.00 MHz
  Transmit Pwr     : 0.280 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM-RIGHT
  Phantom Type        : Right Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.460
  Tissue Conductivity : 1.430
  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:        1000 Samples
  NIDAQ Gain:   5

Comments:
  PCS Mode CH-600
  Cheek
  CF=1; Amb. Temp= 21.3 'C; Liq. Temp=20.0 'C



Area Scan - Max Peak SAR Value at x=75.0 y=6.0 = 1.36 W/kg

Zoom Scan - Max Peak SAR Value at x=75.0 y=8.0 z=0.0 = 2.38 W/kg

Max 1g SAR at x=75.0 y=7.0 z=0.0 = 1.32 W/kg

Max 10g SAR at x=75.0 y=4.0 z=0.0 = 0.62 W/kg
```

SAR - Z Axis
at Hotspot x:75.0 y:8.0



1g SAR Values

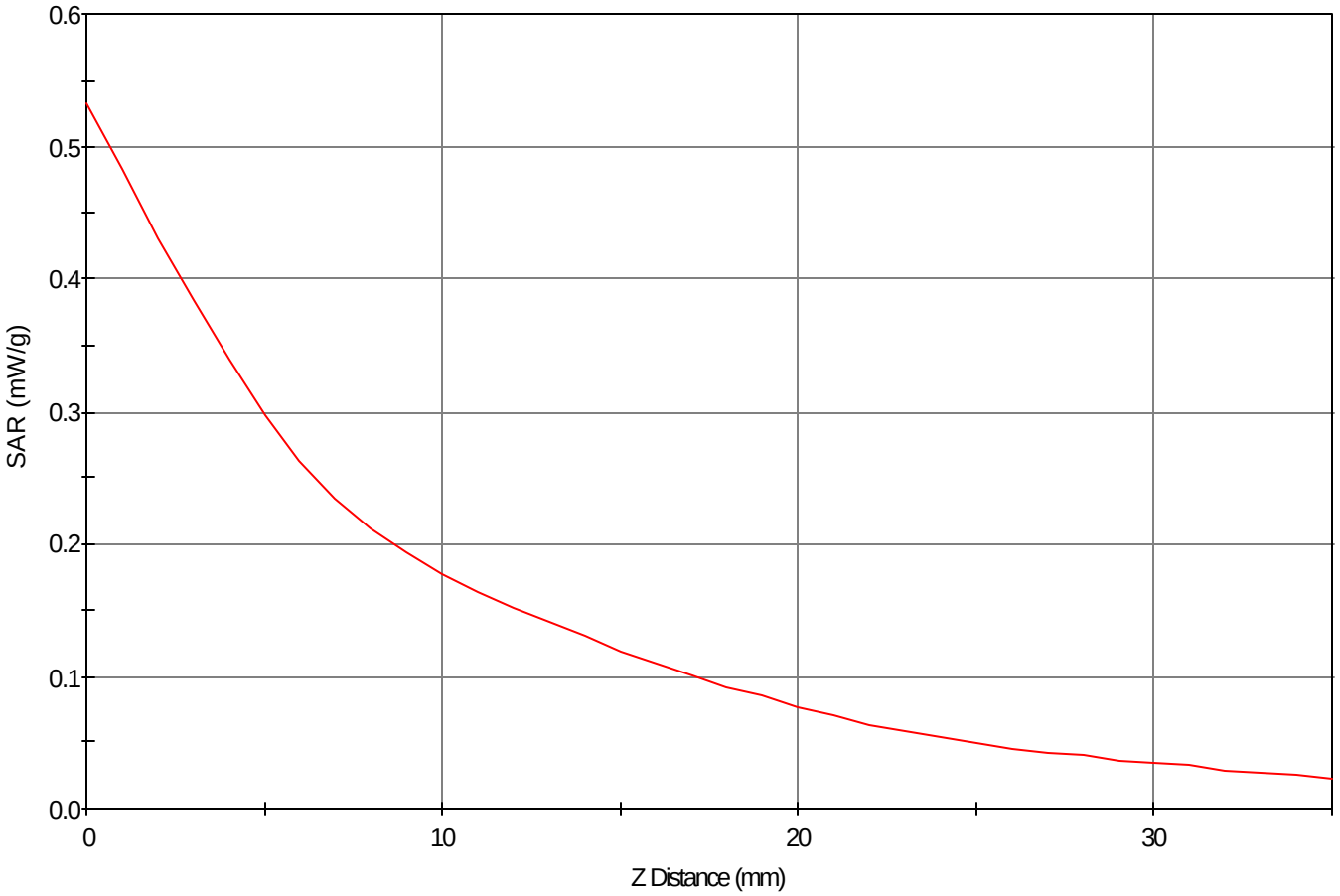


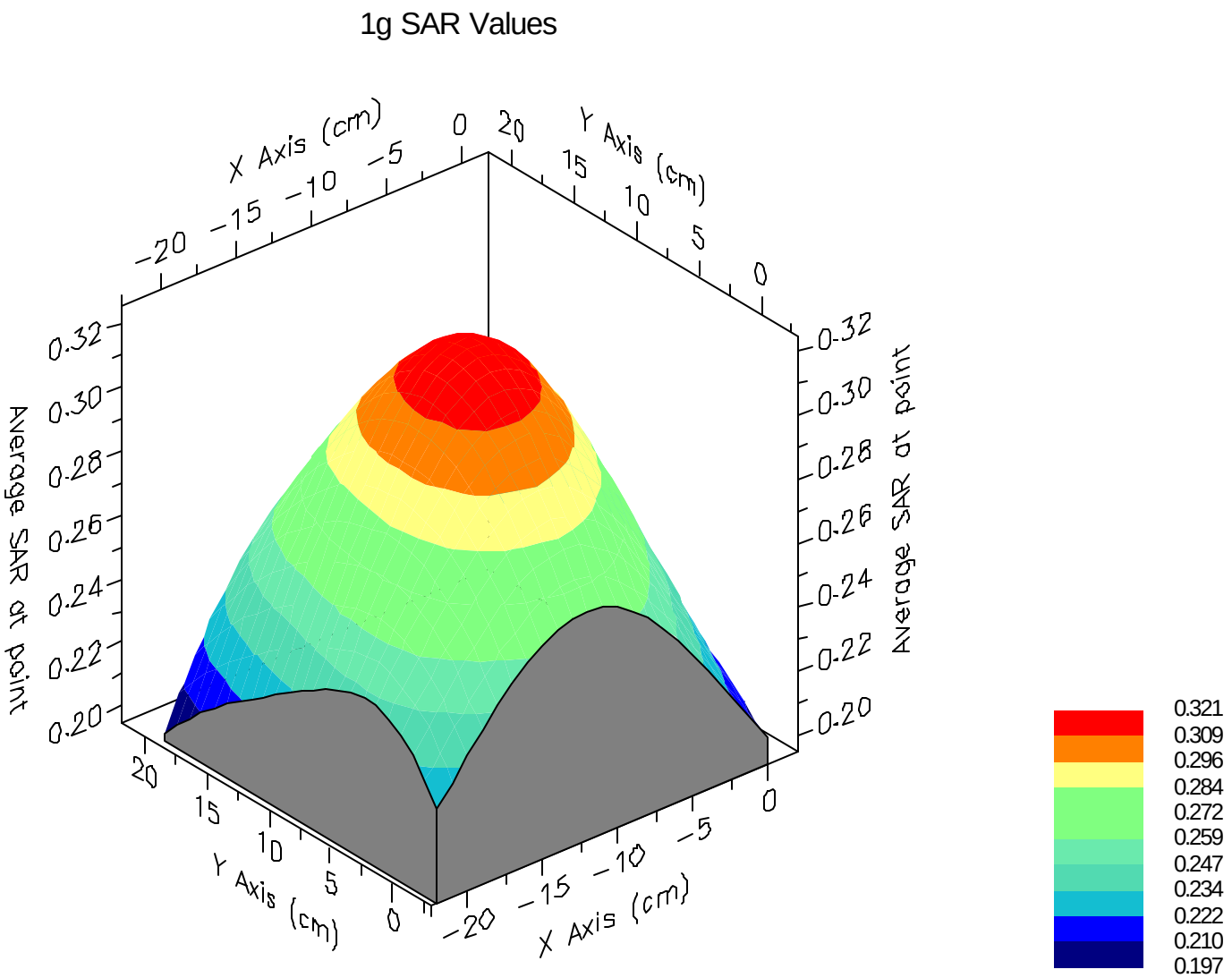

SAMSUNG

SAR Data Report 02122612

```
  Start        : 23-Dec-02 11:35:56 am
  End          : 23-Dec-02 11:42:31 am
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SCH-A610
  Serial Number    : 2
  Frequency        : 1880.00 MHz
  Transmit Pwr     : 0.280 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM-RIGHT
  Phantom Type        : Right Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.460
  Tissue Conductivity : 1.430
  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:        1000 Samples
  NIDAQ Gain:   5

Comments:
  PCS Mode CH-600
  Tilt
  CF=1; Amb. Temp= 21.3 'C; Liq. Temp=20.0 'C



Area Scan - Max Peak SAR Value at x=-11.0 y=8.0 = 0.30 W/kg

Zoom Scan - Max Peak SAR Value at x=-11.0 y=7.0 z=0.0 = 0.53 W/kg

Max 1g SAR at x=-11.0 y=8.0 z=0.0 = 0.32 W/kg

Max 10g SAR at x=-10.0 y=8.0 z=0.0 = 0.18 W/kg
```

SAR - Z Axis
at Hotspot x:-11.0 y:7.0



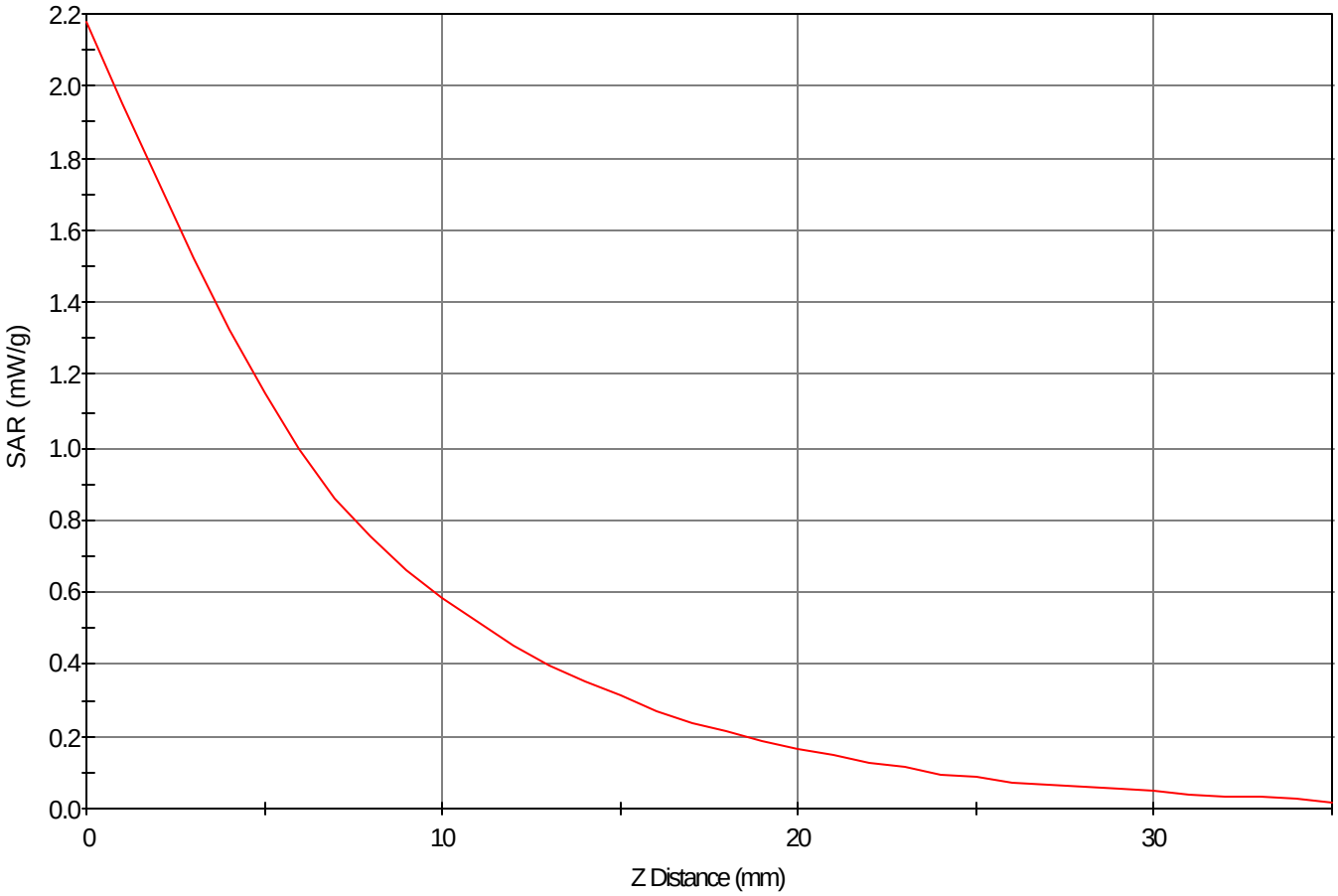

1g SAR Values
X Axis (cm)
Y Axis (cm)
Average SAR at point
0.321
0.309
0.296
0.284
0.272
0.259
0.247
0.234
0.222
0.210
0.197


SAMSUNG

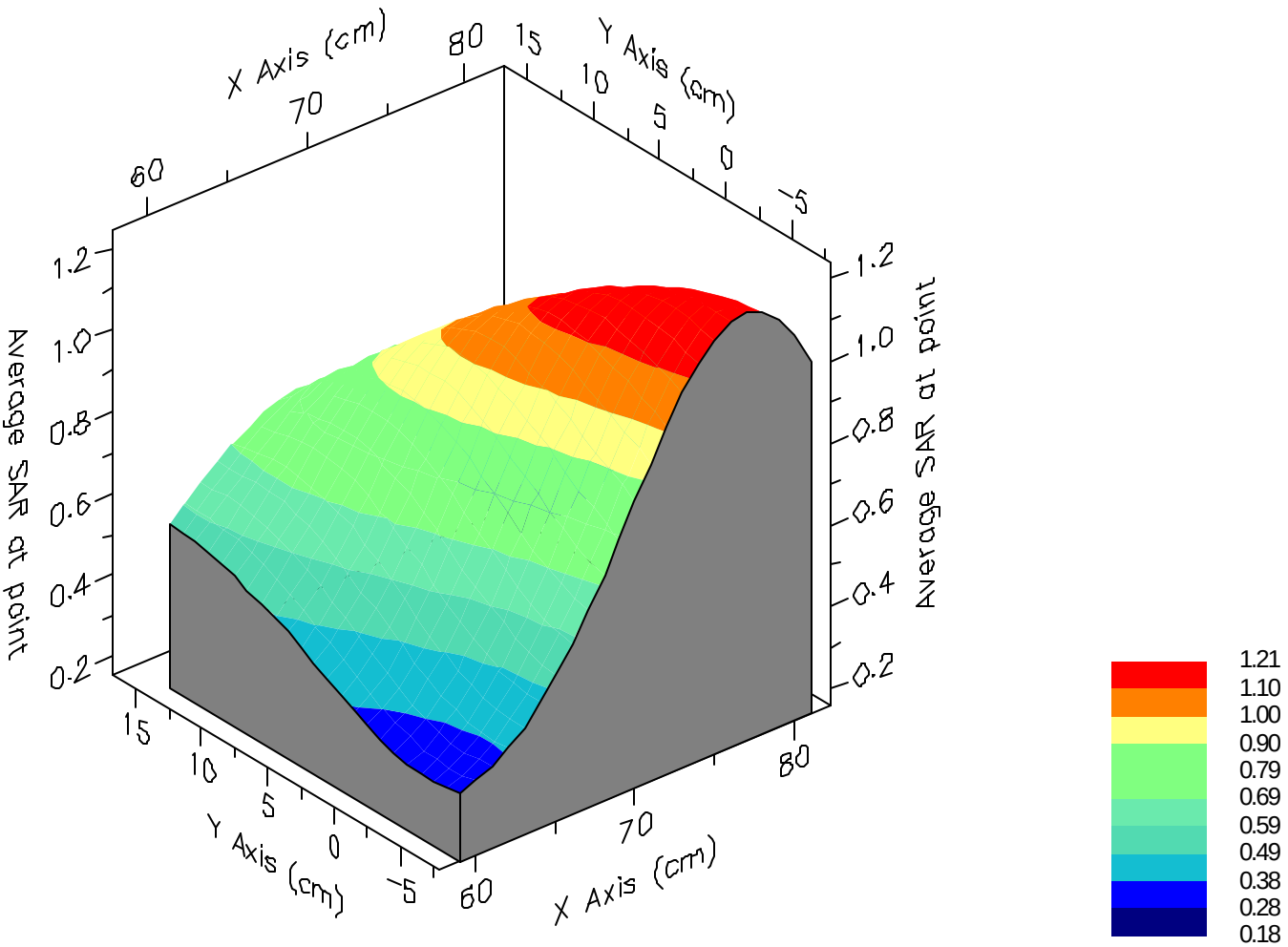
SAR Data Report 02122602

```
  Start        : 23-Dec-02 09:25:28 am
  End          : 23-Dec-02 09:32:02 am
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SCH-A610
  Serial Number    : 2
  Frequency        : 1880.00 MHz
  Transmit Pwr     : 0.280 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM-LEFT
  Phantom Type        : Left Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.460
  Tissue Conductivity : 1.430
  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:        1000 Samples
  NIDAQ Gain:   5

Comments:
  PCS Mode CH-600
  Cheek
  CF=1; Amb. Temp= 21.3 'C; Liq. Temp=20.0 'C



Area Scan - Max Peak SAR Value at x=70.0 y=3.0 = 1.06 W/kg

Zoom Scan - Max Peak SAR Value at x=77.0 y=-6.0 z=0.0 = 2.18 W/kg

Max 1g SAR at x=77.0 y=-7.0 z=0.0 = 1.21 W/kg

Max 10g SAR at x=73.0 y=-2.0 z=0.0 = 0.55 W/kg
```

SAR - Z Axis
at Hotspot x:77.0 y:-6.0



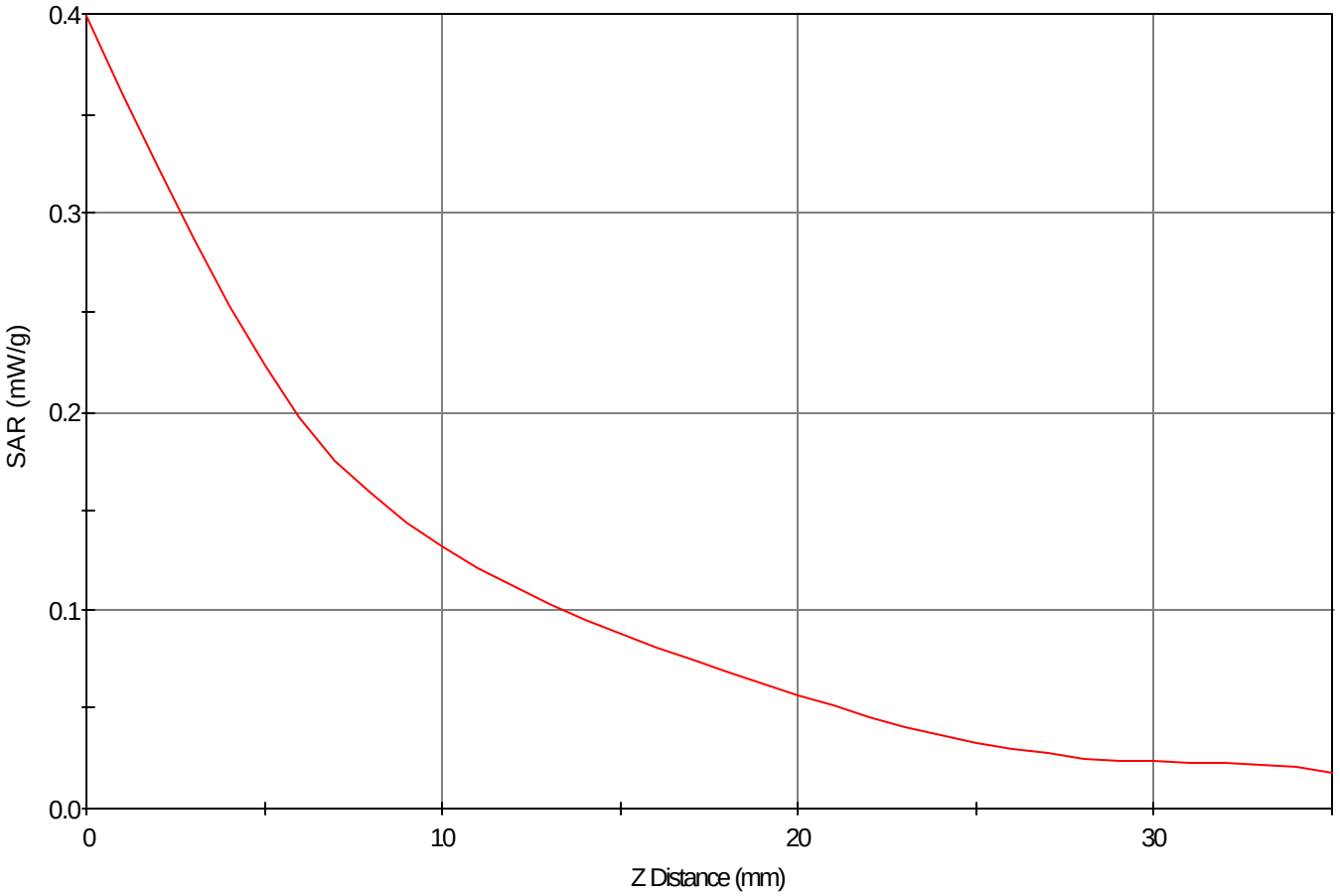
1g SAR Values



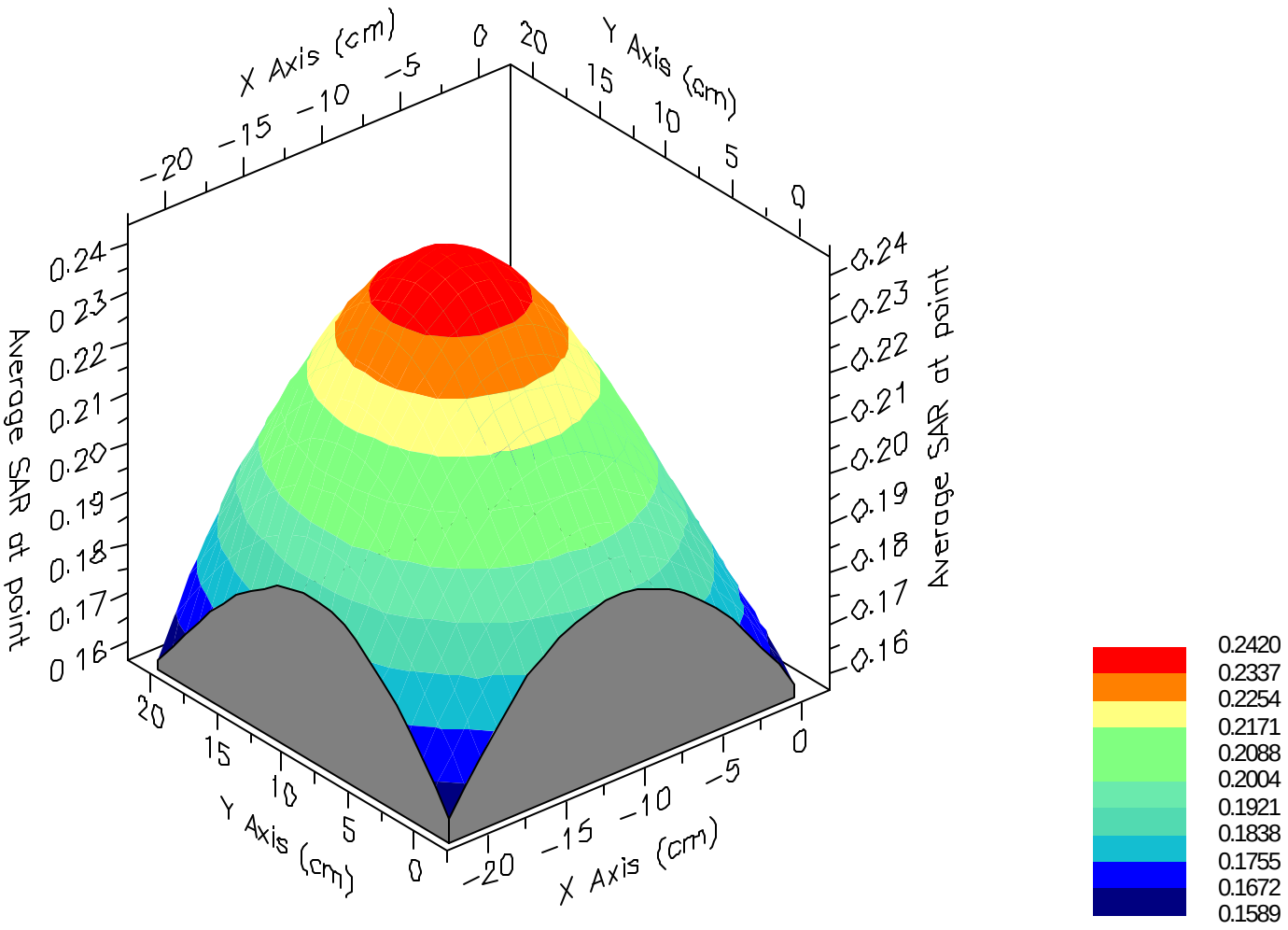
SAR Data Report 02122610

```
  Start        : 23-Dec-02 10:59:01 am
  End          : 23-Dec-02 11:05:38 am
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SCH-A610
  Serial Number    : 2
  Frequency        : 1880.00 MHz
  Transmit Pwr     : 0.280 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM-LEFT
  Phantom Type        : Left Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.460
  Tissue Conductivity : 1.430
  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:        1000 Samples
  NIDAQ Gain:   5

Comments:
  PCS Mode CH-600
  Tilt
  CF=1; Amb. Temp= 21.3 'C; Liq. Temp=20.0 'C



Area Scan - Max Peak SAR Value at x=-11.0 y=9.0 = 0.22 W/kg

Zoom Scan - Max Peak SAR Value at x=-13.0 y=10.0 z=0.0 = 0.40 W/kg

Max 1g SAR at x=-12.0 y=10.0 z=0.0 = 0.24 W/kg

Max 10g SAR at x=-11.0 y=10.0 z=0.0 = 0.14 W/kg
```

SAR - Z Axis
at Hotspot x:-13.0 y:10.0



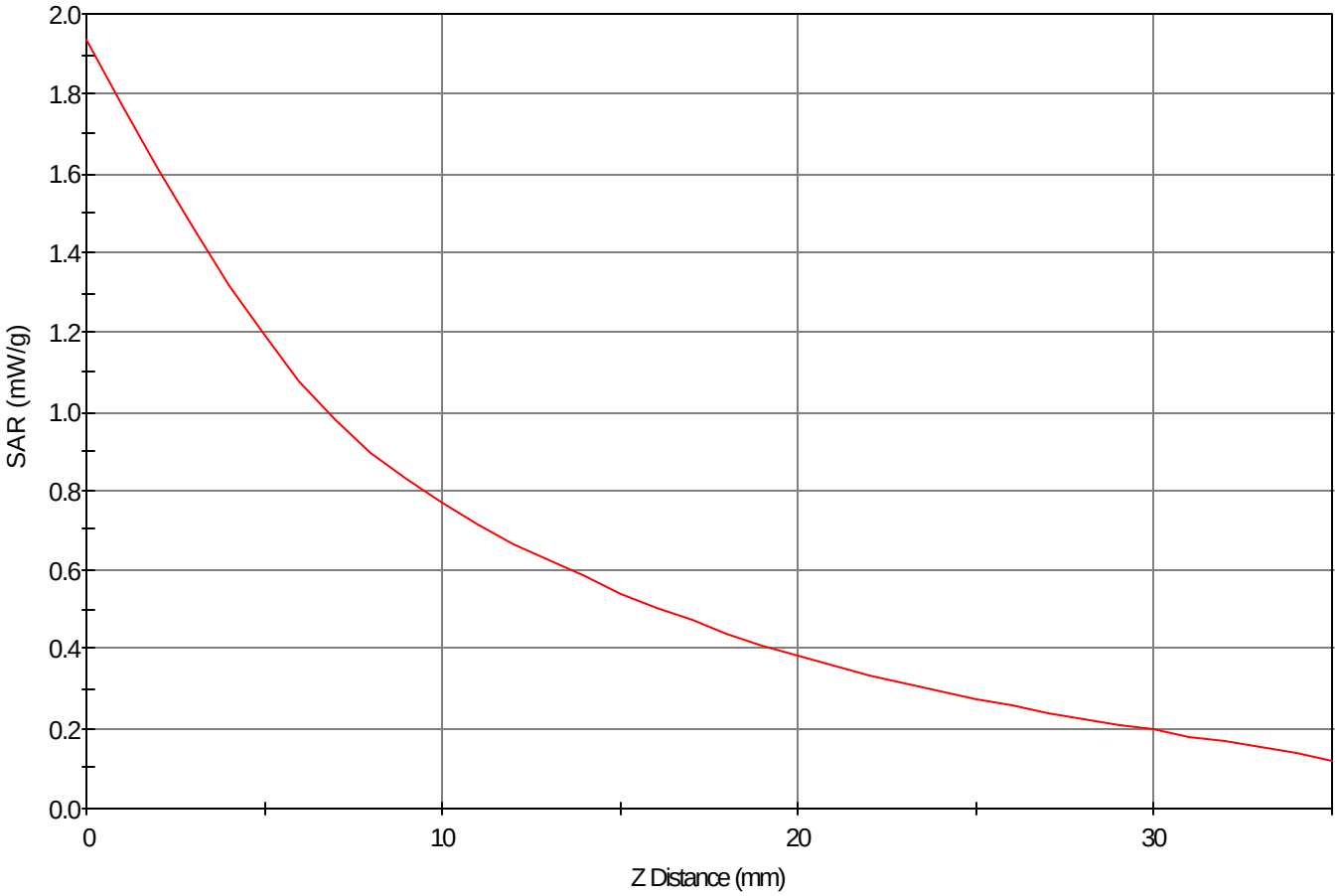
1g SAR Values



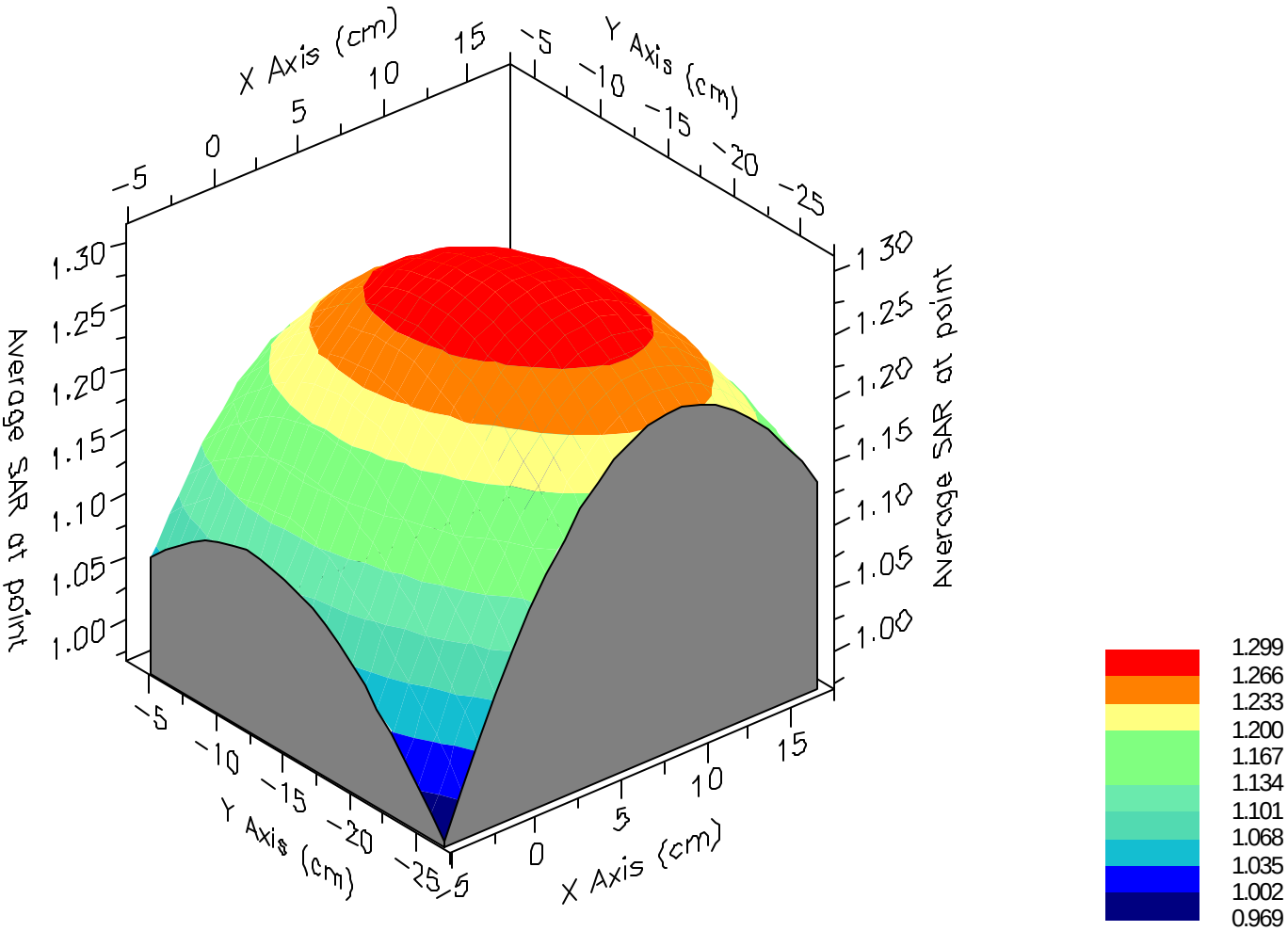
SAR Data Report 02122412

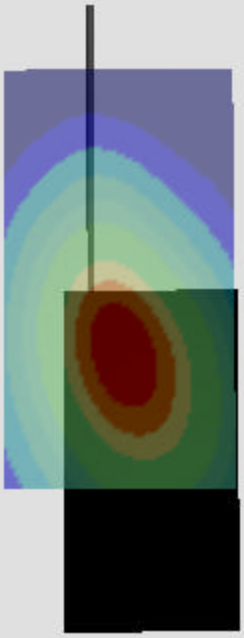
```
  Start        : 24-Dec-02 11:50:30 am
  End          : 24-Dec-02 11:57:03 am
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SCH-A610
  Serial Number    : 2
  Frequency        : 848.31 MHz
  Transmit Pwr     : 0.280 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM FLAT
  Phantom Type        : Uniphantom
  Tissue Type         : Muscle
  Tissue Dielectric   : 53.450
  Tissue Conductivity : 0.980
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT002
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Muscle
  Calibrated Dielectric   : 55.700
  Calibrated Conductivity :  0.990
  Calibrated Density      :  1.000
  Probe Offset            :  2.400 mm
  Conversion Factor       :  4.900
  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:        1000 Samples
  NIDAQ Gain:   5

Comments:
  CDMA Mode CH-777
  Body
  CF=1; Amb. Temp= 21.3 'C; Liq. Temp=20.0 'C



Area Scan - Max Peak SAR Value at x=6.0 y=-16.0 = 1.28 W/kg

Zoom Scan - Max Peak SAR Value at x=3.0 y=-16.0 z=0.0 = 1.93 W/kg

Max 1g SAR at x=7.0 y=-17.0 z=0.0 = 1.30 W/kg

Max 10g SAR at x=7.0 y=-18.0 z=0.0 = 0.84 W/kg
```

SAR - Z Axis
at Hotspot x:3.0 y:-16.0



1g SAR Values

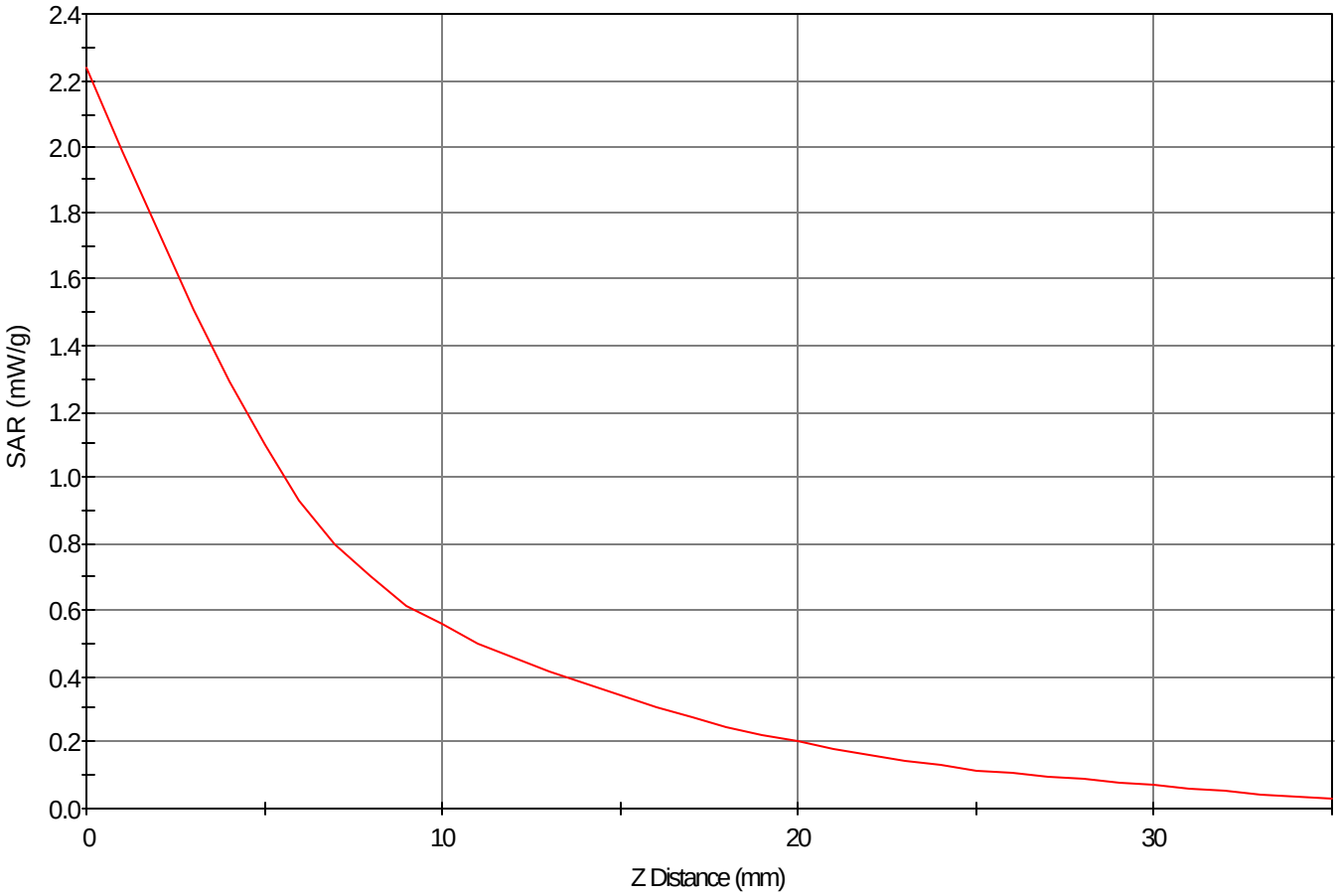




SAR Data Report 02122704

```
  Start        : 27-Dec-02 09:55:02 am
  End          : 27-Dec-02 10:01:48 am
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SCH-A610
  Serial Number    : 2
  Frequency        : 1880.00 MHz
  Transmit Pwr     : 0.280 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM FLAT
  Phantom Type        : Uniphantom
  Tissue Type         : Muscle
  Tissue Dielectric   : 54.000
  Tissue Conductivity : 1.530
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT002
  Probe Type              : E Fld Triangle
  Frequency               : 1900 MHz
  Tissue Type             : Muscle
  Calibrated Dielectric   : 53.900
  Calibrated Conductivity :  1.480
  Calibrated Density      :  1.000
  Probe Offset            :  2.400 mm
  Conversion Factor       :  4.500
  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:        1000 Samples
  NIDAQ Gain:   5

Comments:
  PCS Mode CH-600
  Body
  CF=1; Amb. Temp= 21.3 'C; Liq. Temp=20.0 'C



Area Scan - Max Peak SAR Value at x=-3.0 y=21.0 = 1.13 W/kg

Zoom Scan - Max Peak SAR Value at x=-4.0 y=21.0 z=0.0 = 2.24 W/kg

Max 1g SAR at x=-3.0 y=21.0 z=0.0 = 1.25 W/kg

Max 10g SAR at x=-3.0 y=22.0 z=0.0 = 0.67 W/kg
```

SAR - Z Axis
at Hotspot x:-4.0 y:21.0



1g SAR Values