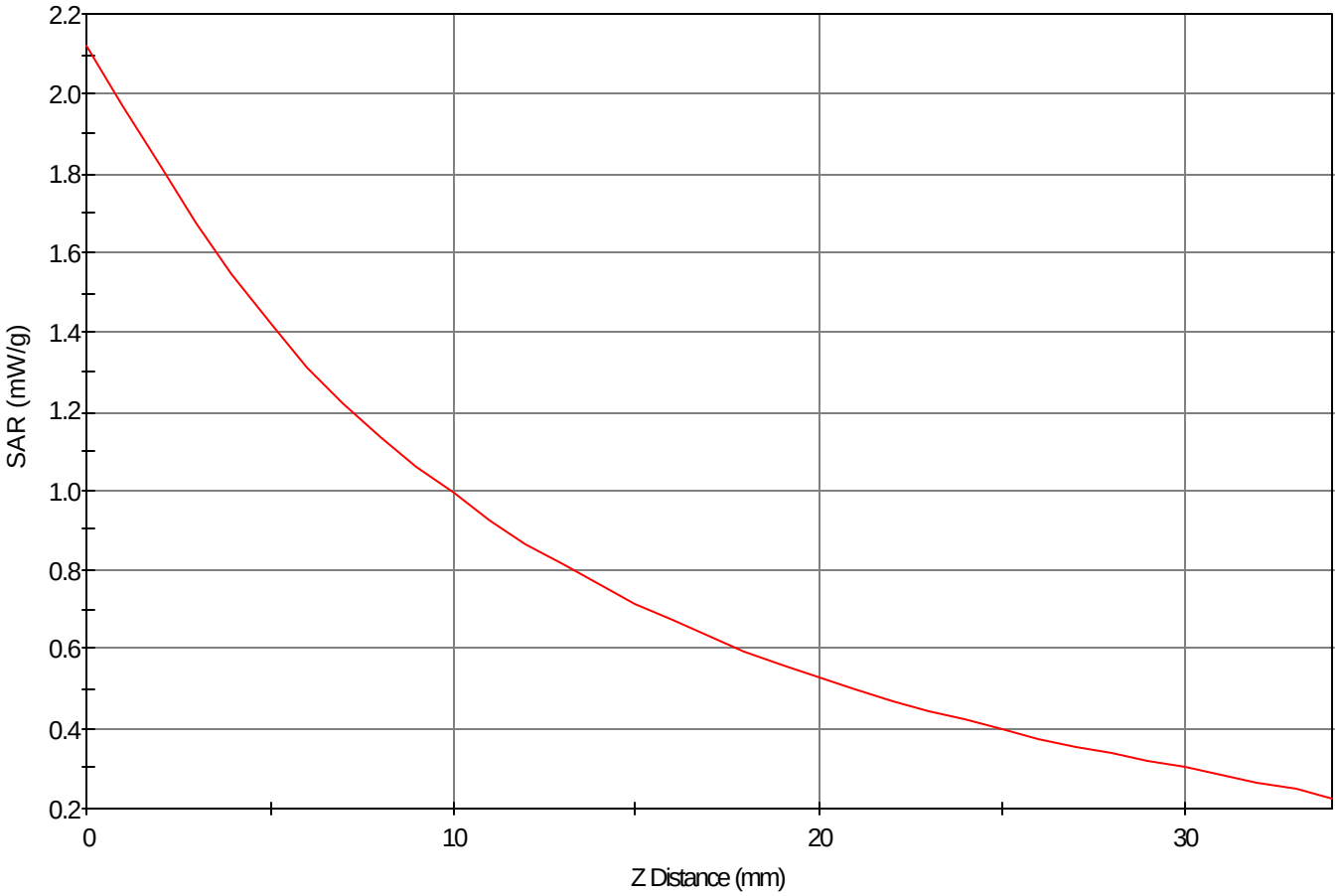
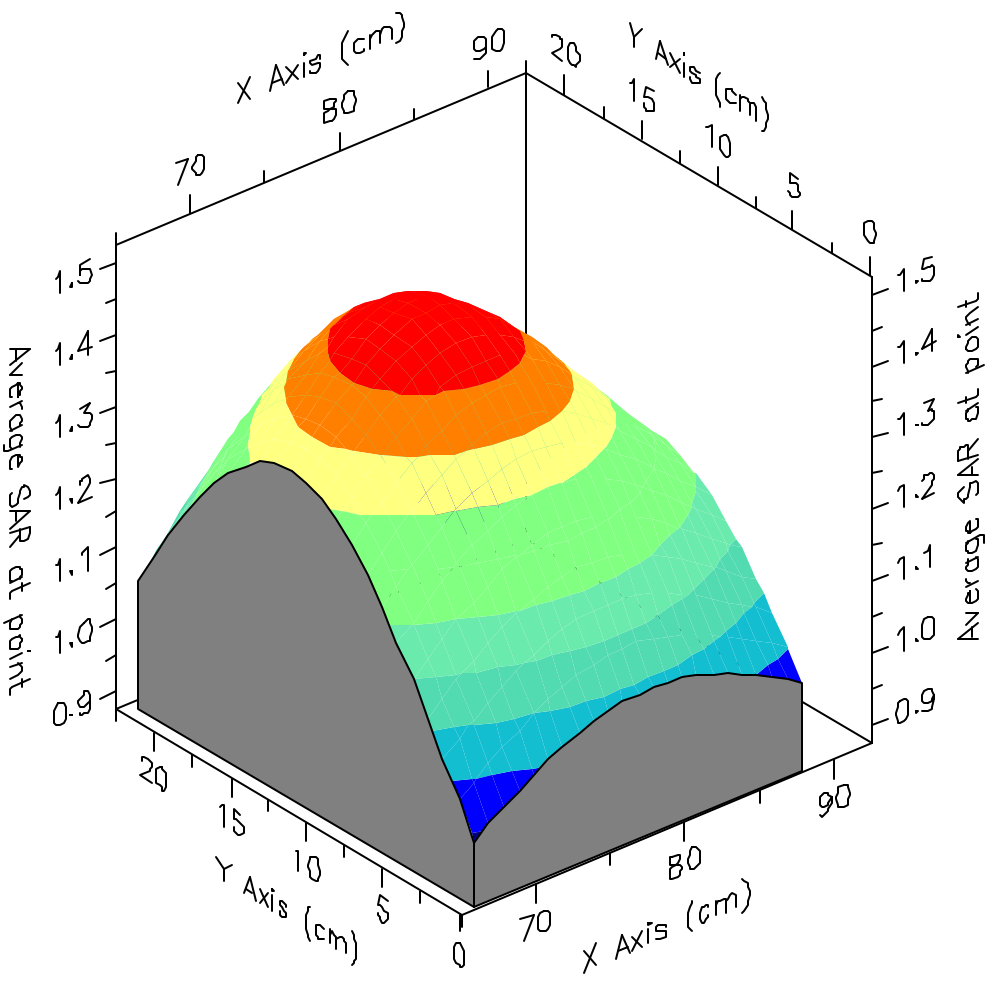
SAR Data Report 03032405

```
  Start        : 24-Mar-03 10:04:15 am
  End          : 24-Mar-03 10:10:05 am
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 836.49 MHz
  Transmit Pwr     : 0.400 W
  Antenna Type     : Helical
  Antenna Posn.    : In

Measurement Data:
  Phantom Name        : SAM-RIGHT
  Phantom Type        : Right Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 42.960
  Tissue Conductivity : 0.910
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.000
  Calibrated Conductivity :  0.910
  Calibrated Density      :  1.300
  Probe Offset            :  2.400 mm
  Conversion Factor       :  7.200
  Probe Sensitivity :  2.439   2.706   2.822   mV/(mW/cm^2)
  Amplifier Gains   :  20.00   20.00   20.00

Sample:
  Rate:         6000 Samples/Sec
  Count:        1000 Samples
  NIDAQ Gain:   5

Comments:
  AMPS Mode CH-383
  Cheek
  CF=1; Amb. Temp= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=77.0 y=11.0 = 1.43 W/kg

Zoom Scan - Max Peak SAR Value at x=75.0 y=13.0 z=0.0 = 2.12 W/kg

Max 1g SAR at x=75.0 y=13.0 z=0.0 = 1.48 W/kg

Max 10g SAR at x=75.0 y=12.0 z=0.0 = 0.95 W/kg
```

SAR - Z Axis
at Hotspot x:75.0 y:13.0



1g SAR Values

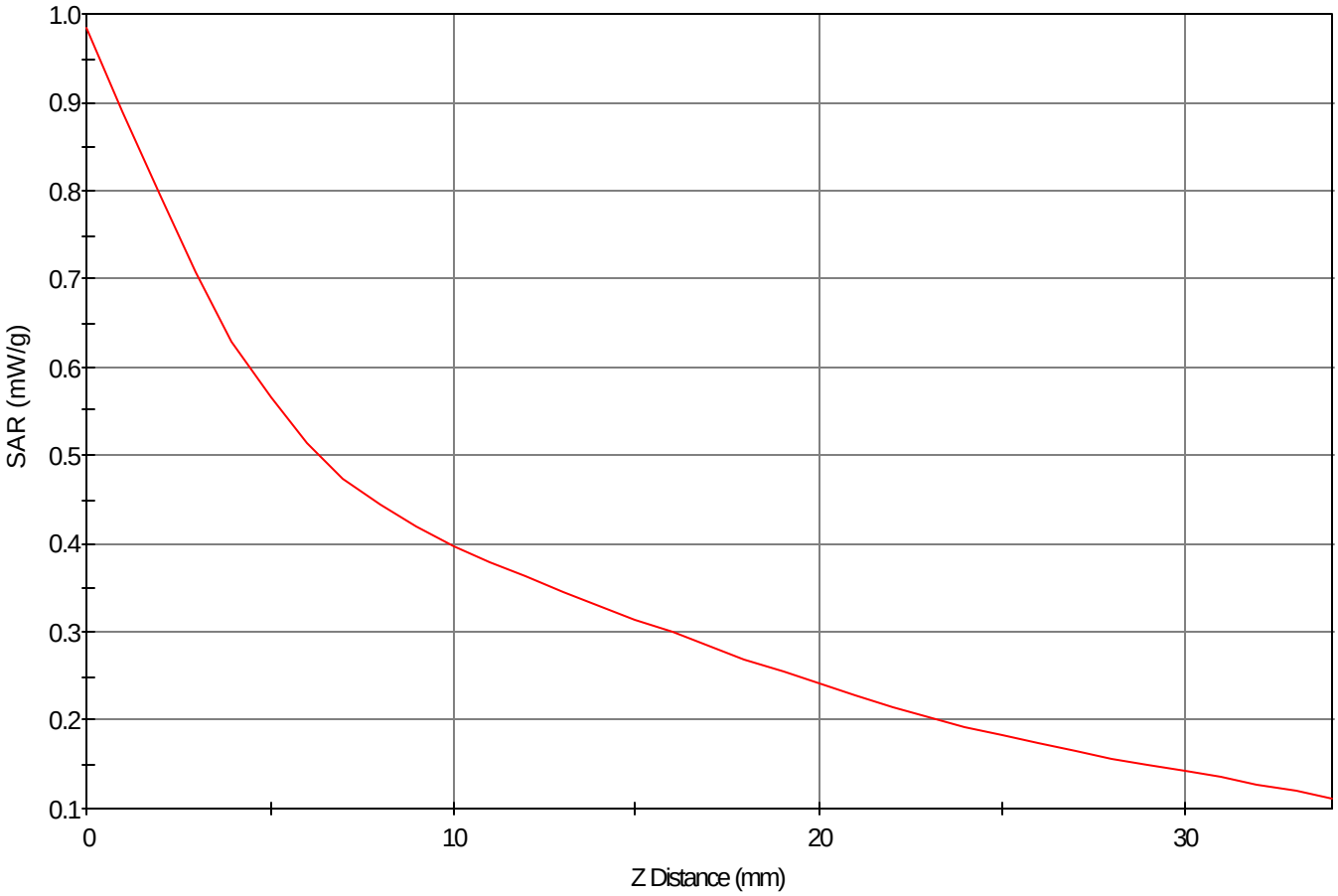


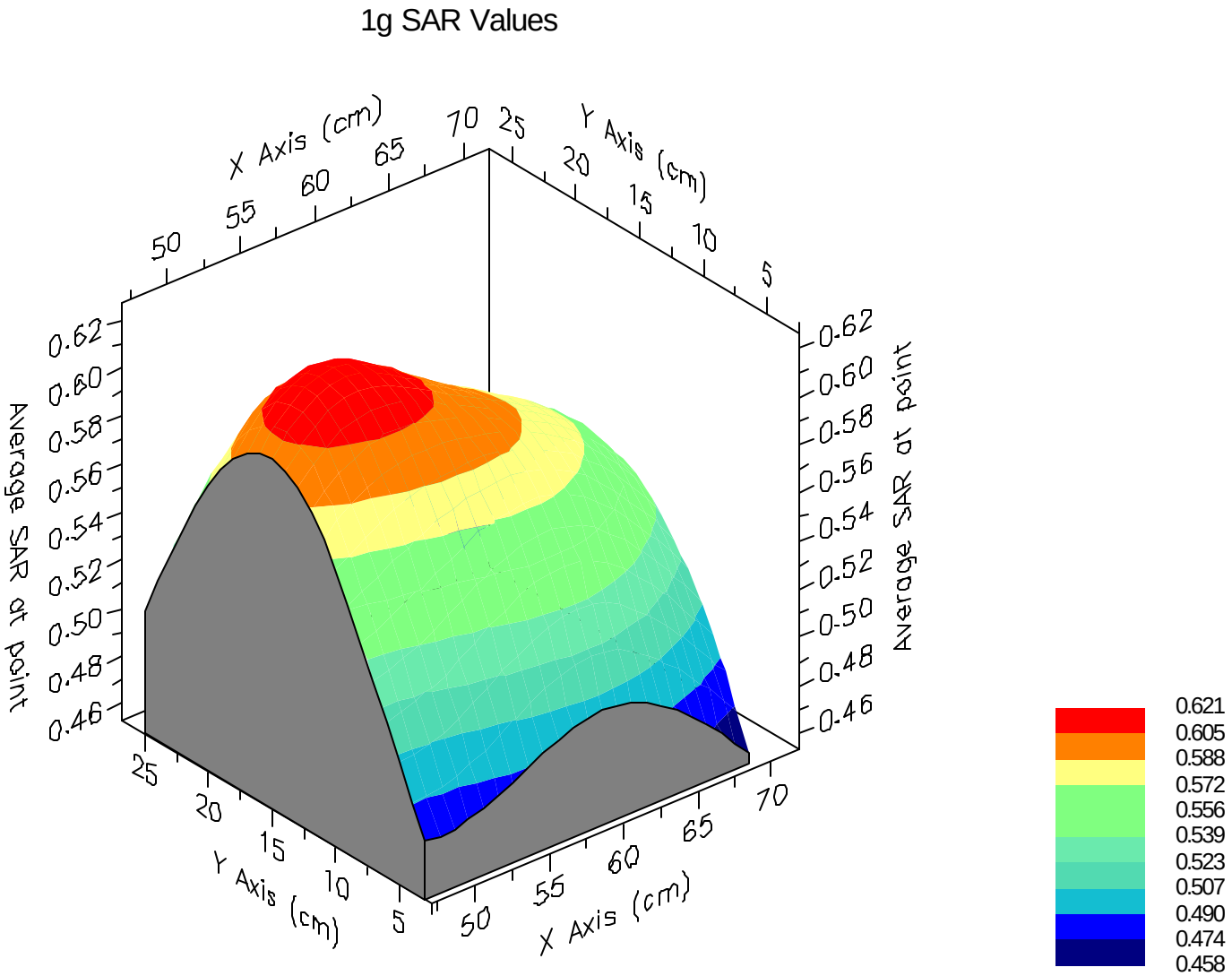

TALK
END

SAR Data Report 03032420

```
  Start        : 24-Mar-03 12:06:00 pm
  End          : 24-Mar-03 12:11:58 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 836.49 MHz
  Transmit Pwr     : 0.400 W
  Antenna Type     : Helical
  Antenna Posn.    : In

Measurement Data:
  Phantom Name        : SAM-RIGHT
  Phantom Type        : Right Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 42.960
  Tissue Conductivity : 0.910
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.000
  Calibrated Conductivity :  0.910
  Calibrated Density      :  1.300
  Probe Offset            :  2.400 mm
  Conversion Factor       :  7.200
  Probe Sensitivity :  2.439   2.706   2.822   mV/(mW/cm^2)
  Amplifier Gains   :  20.00   20.00   20.00

Sample:
  Rate:         6000 Samples/Sec
  Count:        1000 Samples
  NIDAQ Gain:   5

Comments:
  AMPS Mode CH-383
  Tilt
  CF=1; Amb. Temp= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=58.0 y=14.0 = 0.61 W/kg

Zoom Scan - Max Peak SAR Value at x=49.0 y=15.0 z=0.0 = 0.99 W/kg

Max 1g SAR at x=52.0 y=16.0 z=0.0 = 0.62 W/kg

Max 10g SAR at x=56.0 y=15.0 z=0.0 = 0.43 W/kg
```

SAR - Z Axis
at Hotspot x:49.0 y:15.0

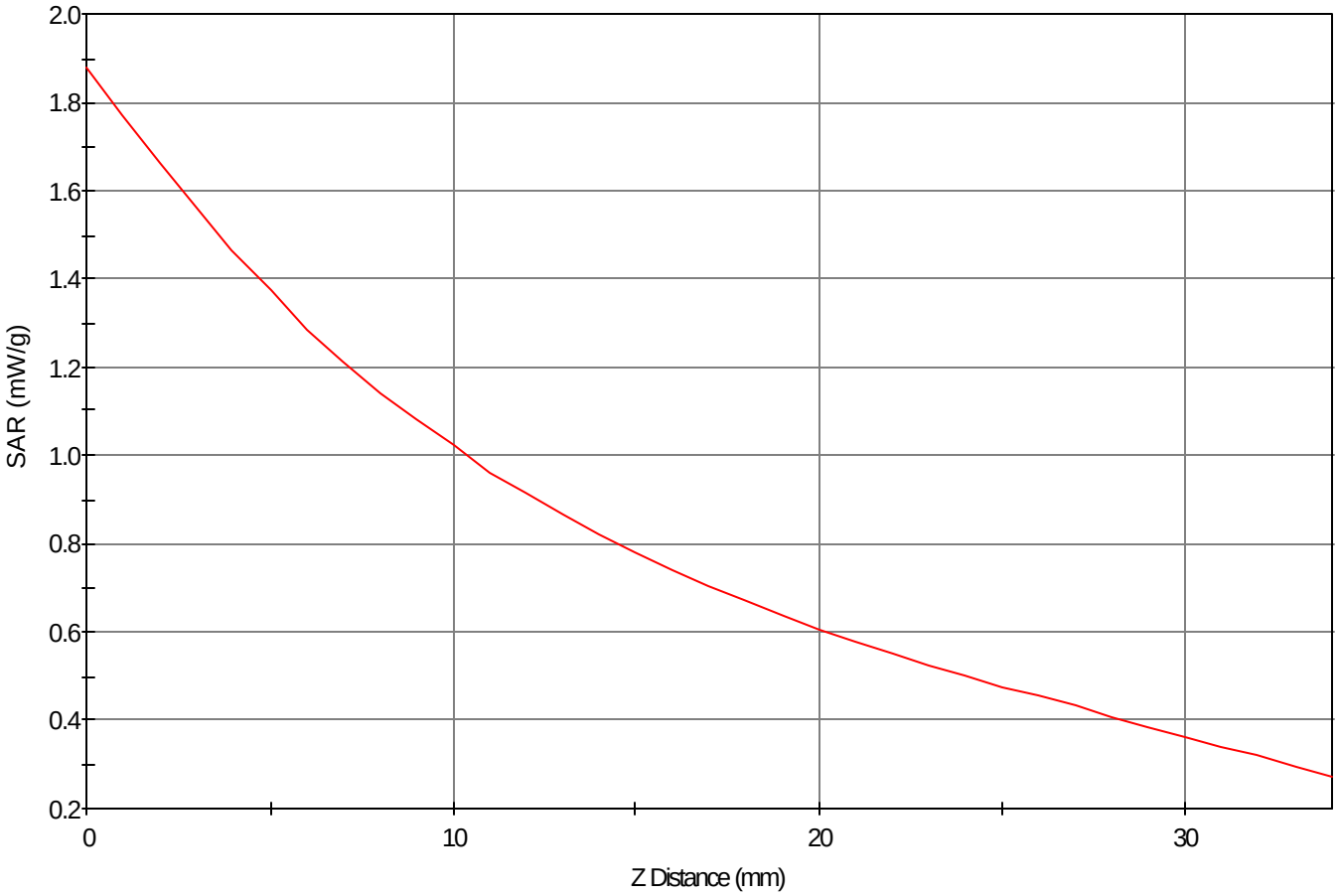


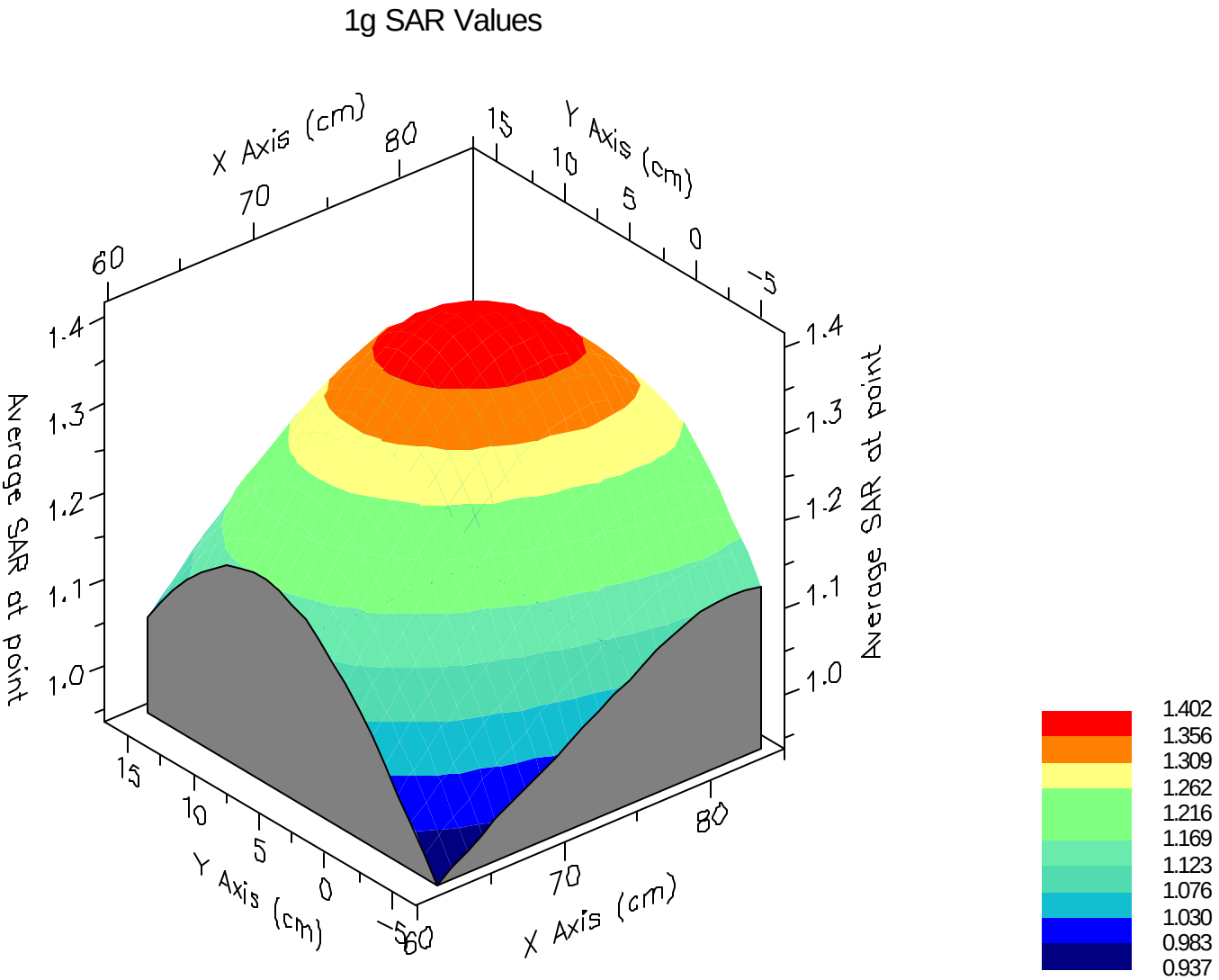

1g SAR Values
X Axis (cm)
50
55
60
65
70
Y Axis (cm)
25
20
15
10
5
Average SAR at point
0.62
0.60
0.58
0.56
0.54
0.52
0.50
0.48
0.46
0.621
0.605
0.588
0.572
0.556
0.539
0.523
0.507
0.490
0.474
0.458

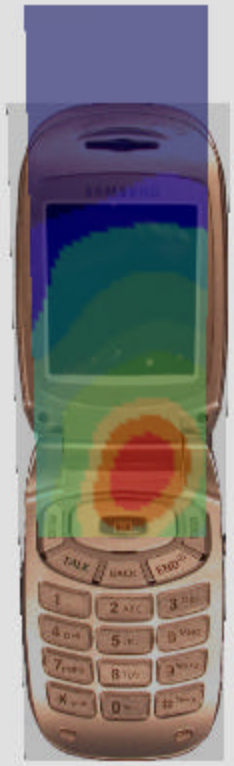
SAR Data Report 03032429

```
  Start        : 24-Mar-03 02:51:16 pm
  End          : 24-Mar-03 02:59:53 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 836.49 MHz
  Transmit Pwr     : 0.400 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM-LEFT
  Phantom Type        : Left Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 42.960
  Tissue Conductivity : 0.910
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.000
  Calibrated Conductivity :  0.910
  Calibrated Density      :  1.300
  Probe Offset            :  2.400 mm
  Conversion Factor       :  7.200
  Probe Sensitivity :  2.439   2.706   2.822   mV/(mW/cm^2)
  Amplifier Gains   :  20.00   20.00   20.00

Sample:
  Rate:         6000 Samples/Sec
  Count:        1000 Samples
  NIDAQ Gain:   5

Comments:
  AMPS Mode CH-383
  Cheek
  CF=1; Amb. Temp= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=73.0 y=5.0 = 1.41 W/kg

Zoom Scan - Max Peak SAR Value at x=75.0 y=6.0 z=0.0 = 1.88 W/kg

Max 1g SAR at x=75.0 y=6.0 z=0.0 = 1.40 W/kg

Max 10g SAR at x=74.0 y=5.0 z=0.0 = 0.96 W/kg
```

SAR - Z Axis
at Hotspot x:75.0 y:6.0



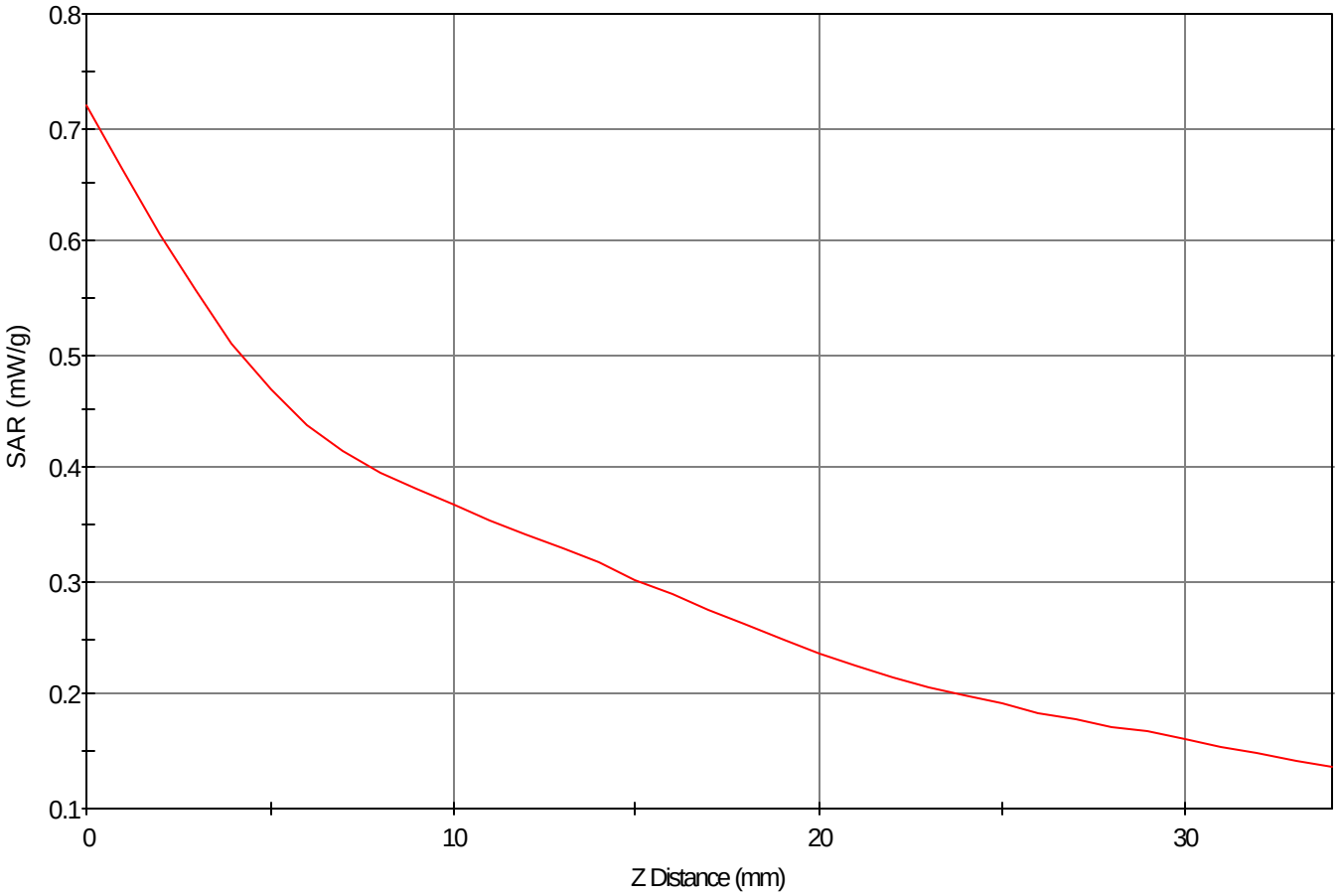

1g SAR Values
X Axis (cm)
60
70
80
Y Axis (cm)
15
10
5
0
-5
Average SAR at point
1.0
1.1
1.2
1.3
1.4
1.402
1.356
1.309
1.262
1.216
1.169
1.123
1.076
1.030
0.983
0.937



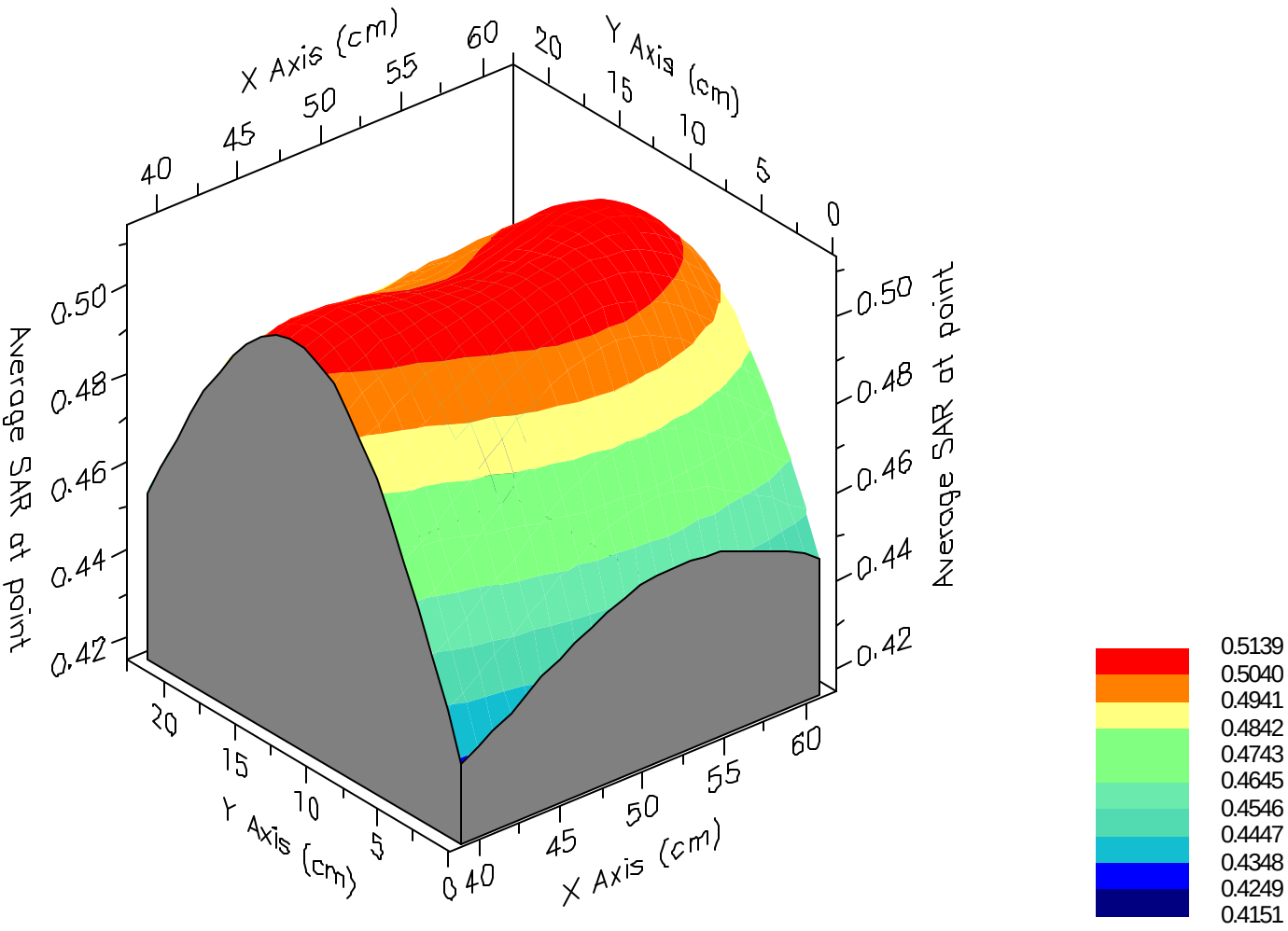
SAR Data Report 03032435

```
  Start        : 24-Mar-03 03:46:25 pm
  End          : 24-Mar-03 03:52:42 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 836.49 MHz
  Transmit Pwr     : 0.400 W
  Antenna Type     : Helical
  Antenna Posn.    : In

Measurement Data:
  Phantom Name        : SAM-LEFT
  Phantom Type        : Left Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 42.960
  Tissue Conductivity : 0.910
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.000
  Calibrated Conductivity :  0.910
  Calibrated Density      :  1.300
  Probe Offset            :  2.400 mm
  Conversion Factor       :  7.200
  Probe Sensitivity :  2.439   2.706   2.822   mV/(mW/cm^2)
  Amplifier Gains   :  20.00   20.00   20.00

Sample:
  Rate:         6000 Samples/Sec
  Count:        1000 Samples
  NIDAQ Gain:   5

Comments:
  AMPS Mode CH-383
  Tilt
  CF=1; Amb. Temp= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=50.0 y=11.0 = 0.52 W/kg

Zoom Scan - Max Peak SAR Value at x=50.0 y=3.0 z=0.0 = 0.72 W/kg

Max 1g SAR at x=55.0 y=9.0 z=0.0 = 0.51 W/kg

Max 10g SAR at x=49.0 y=11.0 z=0.0 = 0.38 W/kg
```

SAR - Z Axis
at Hotspot x:50.0 y:3.0



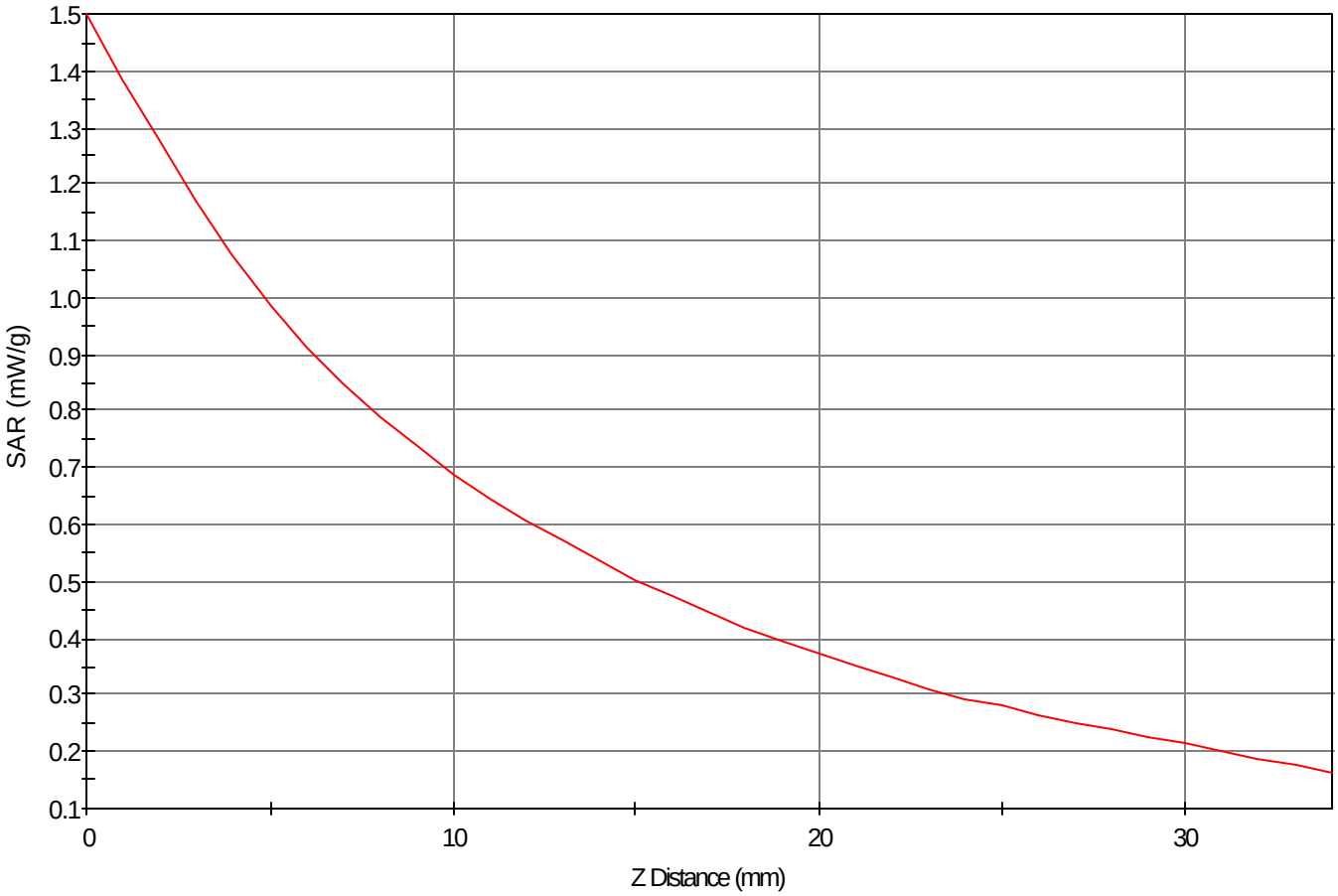
1g SAR Values



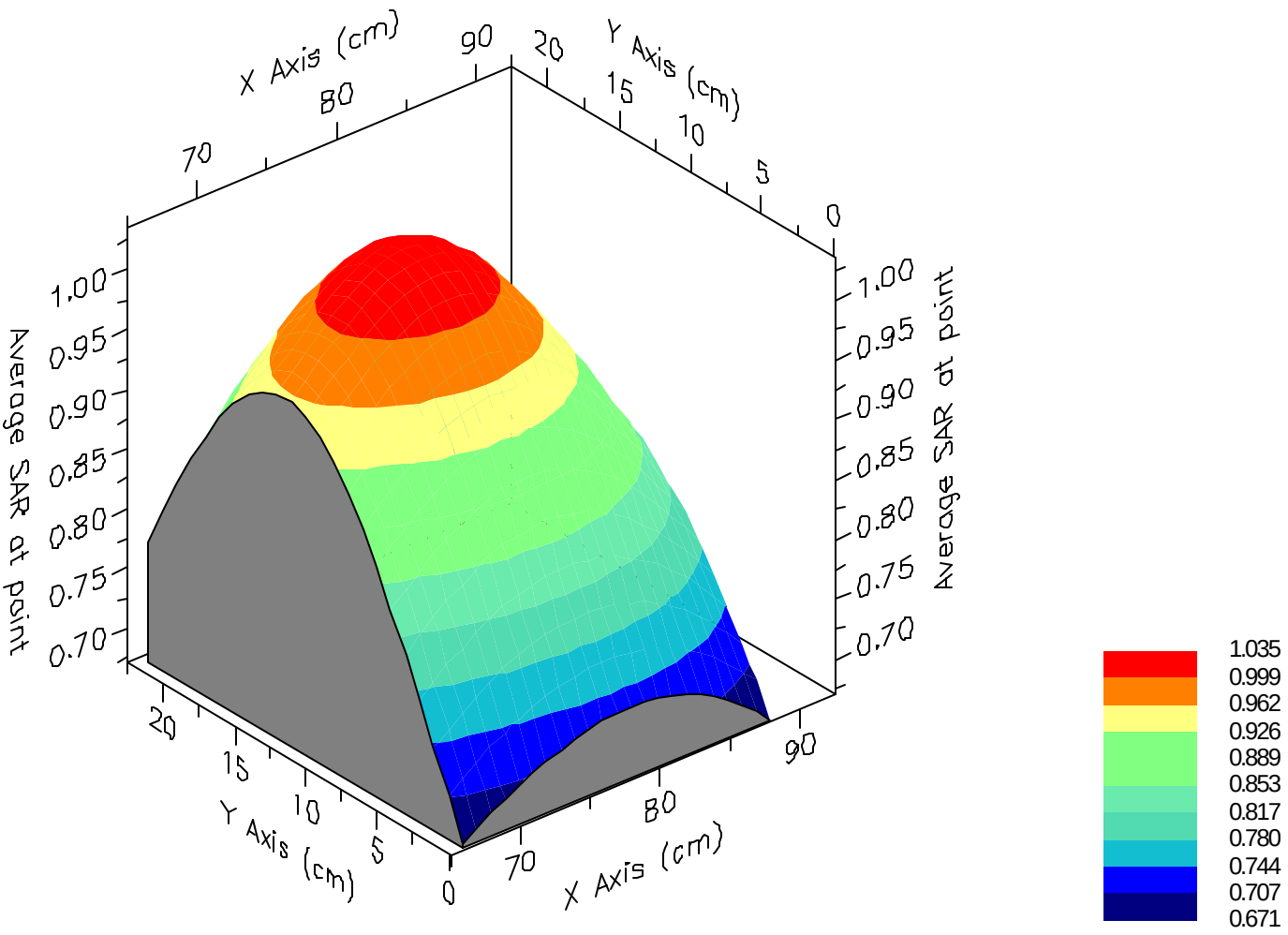
SAR Data Report 03032426

```
  Start        : 24-Mar-03 02:16:33 pm
  End          : 24-Mar-03 02:22:24 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 835.89 MHz
  Transmit Pwr     : 0.320 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM-RIGHT
  Phantom Type        : Right Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 42.960
  Tissue Conductivity : 0.910
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.000
  Calibrated Conductivity :  0.910
  Calibrated Density      :  1.300
  Probe Offset            :  2.400 mm
  Conversion Factor       :  7.200
  Probe Sensitivity :  2.439   2.706   2.822   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
  Cheek
  CF=1; Amb. Temp= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=77.0 y=11.0 = 0.99 W/kg

Zoom Scan - Max Peak SAR Value at x=75.0 y=12.0 z=0.0 = 1.50 W/kg

Max 1g SAR at x=75.0 y=13.0 z=0.0 = 1.04 W/kg

Max 10g SAR at x=75.0 y=13.0 z=0.0 = 0.67 W/kg
```

SAR - Z Axis
at Hotspot x:75.0 y:12.0



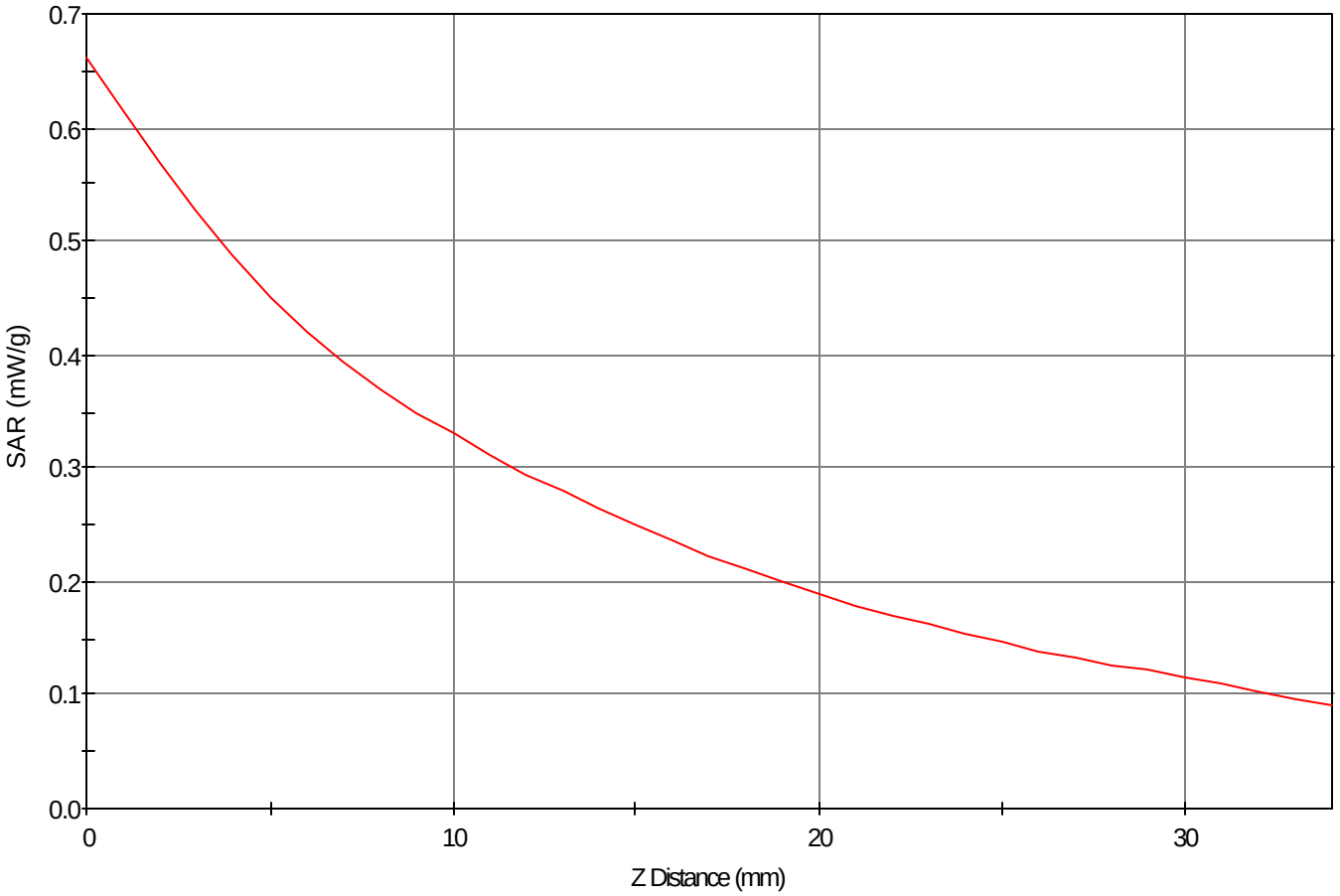
1g SAR Values



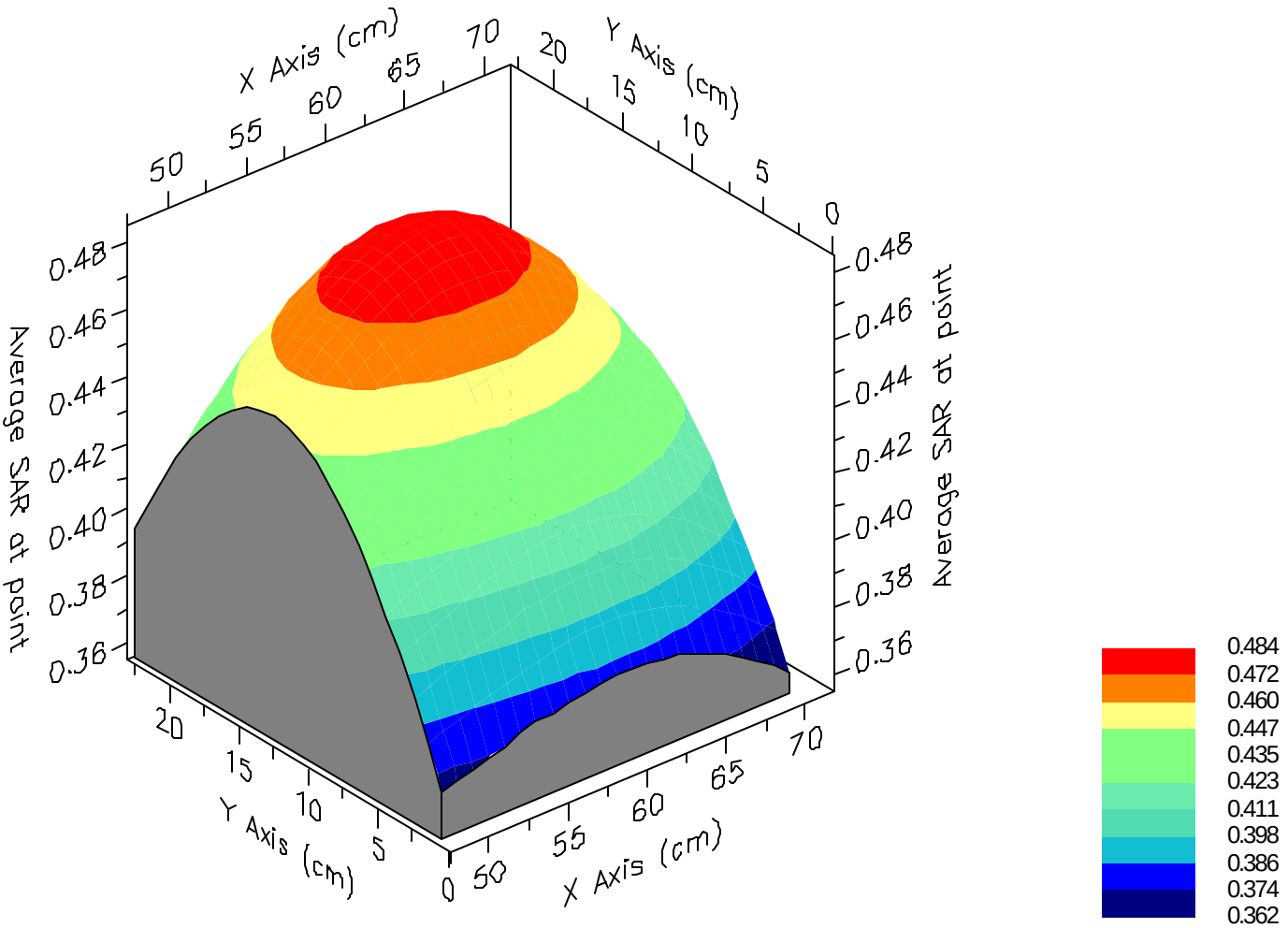
SAR Data Report 03032423

```
  Start        : 24-Mar-03 12:30:33 pm
  End          : 24-Mar-03 12:36:31 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 835.89 MHz
  Transmit Pwr     : 0.320 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM-RIGHT
  Phantom Type        : Right Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 42.960
  Tissue Conductivity : 0.910
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.000
  Calibrated Conductivity :  0.910
  Calibrated Density      :  1.300
  Probe Offset            :  2.400 mm
  Conversion Factor       :  7.200
  Probe Sensitivity :  2.439   2.706   2.822   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= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=59.0 y=12.0 = 0.48 W/kg

Zoom Scan - Max Peak SAR Value at x=61.0 y=17.0 z=0.0 = 0.66 W/kg

Max 1g SAR at x=59.0 y=14.0 z=0.0 = 0.48 W/kg

Max 10g SAR at x=58.0 y=13.0 z=0.0 = 0.33 W/kg
```

SAR - Z Axis
at Hotspot x:61.0 y:17.0



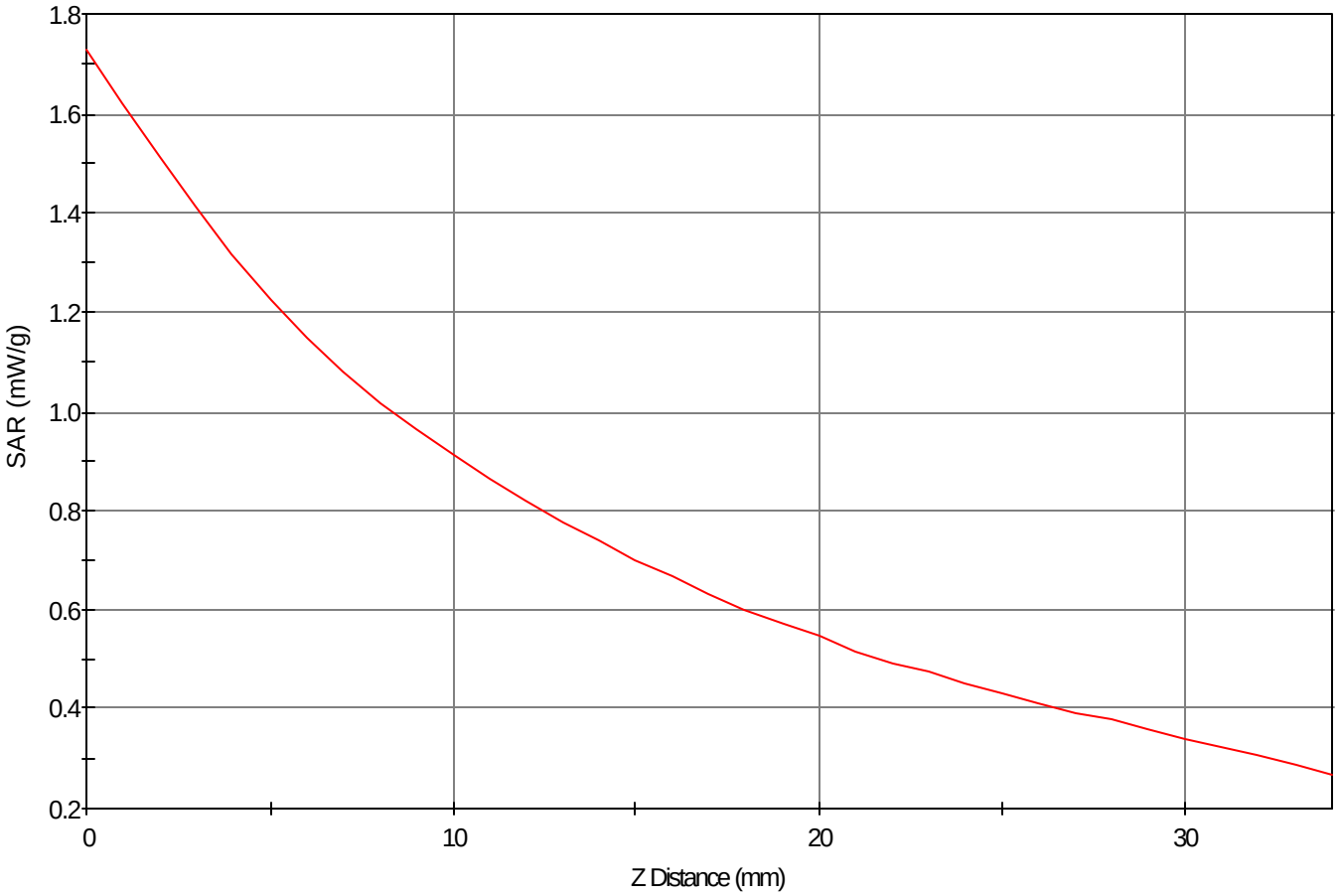
1g SAR Values

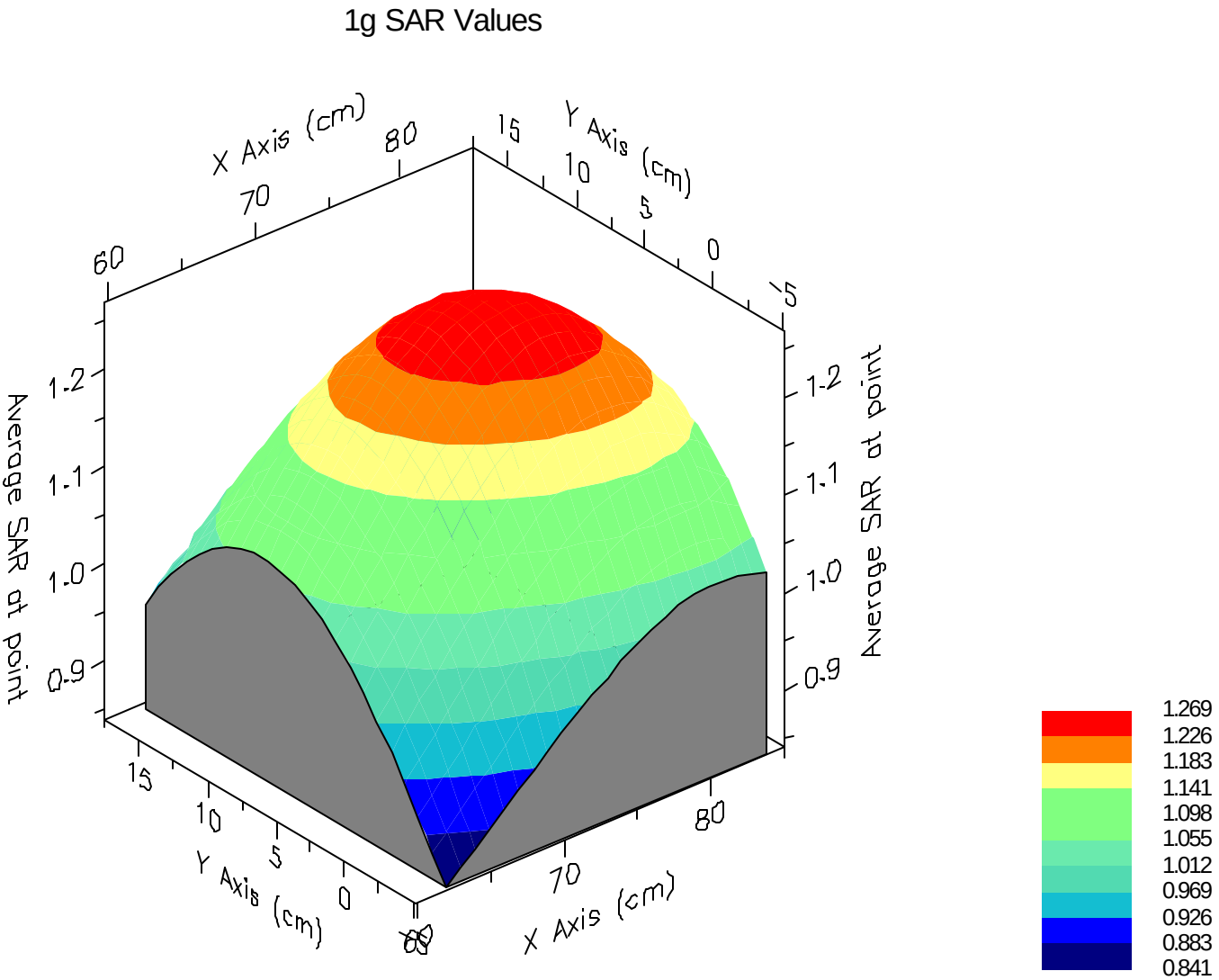


SAR Data Report 03032439

```
  Start        : 24-Mar-03 04:20:23 pm
  End          : 24-Mar-03 04:28:56 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 835.89 MHz
  Transmit Pwr     : 0.320 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM-LEFT
  Phantom Type        : Left Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 42.960
  Tissue Conductivity : 0.910
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.000
  Calibrated Conductivity :  0.910
  Calibrated Density      :  1.300
  Probe Offset            :  2.400 mm
  Conversion Factor       :  7.200
  Probe Sensitivity :  2.439   2.706   2.822   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
  Cheek
  CF=1; Amb. Temp= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=73.0 y=6.0 = 1.27 W/kg

Zoom Scan - Max Peak SAR Value at x=76.0 y=6.0 z=0.0 = 1.73 W/kg

Max 1g SAR at x=75.0 y=6.0 z=0.0 = 1.27 W/kg

Max 10g SAR at x=74.0 y=6.0 z=0.0 = 0.87 W/kg
```

SAR - Z Axis
at Hotspot x:76.0 y:6.0



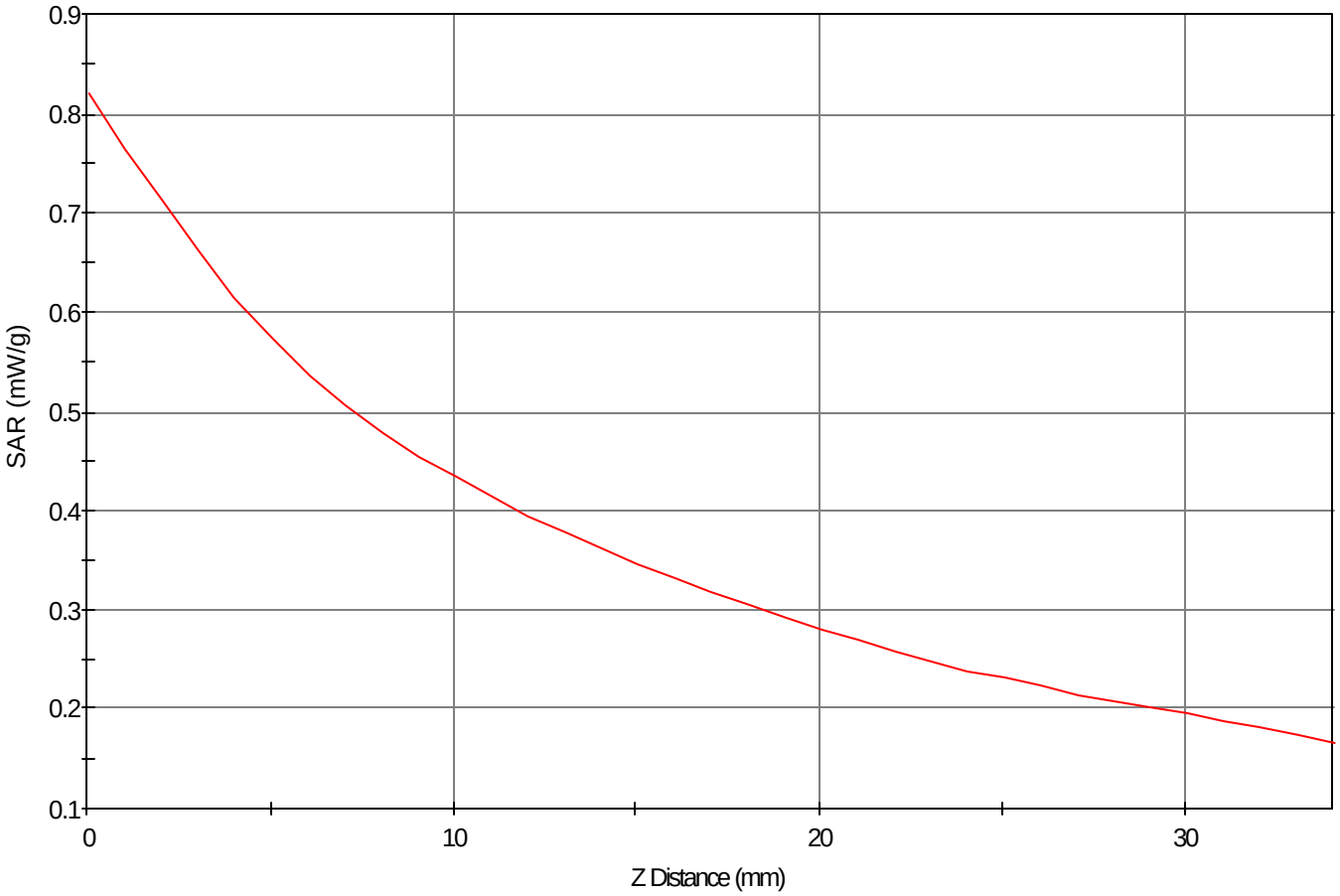

1g SAR Values
X Axis (cm)
60
70
80
Y Axis (cm)
15
10
5
0
-5
Average SAR at point
0.9
1.0
1.1
1.2
1.269
1.226
1.183
1.141
1.098
1.055
1.012
0.969
0.926
0.883
0.841


TALK
END

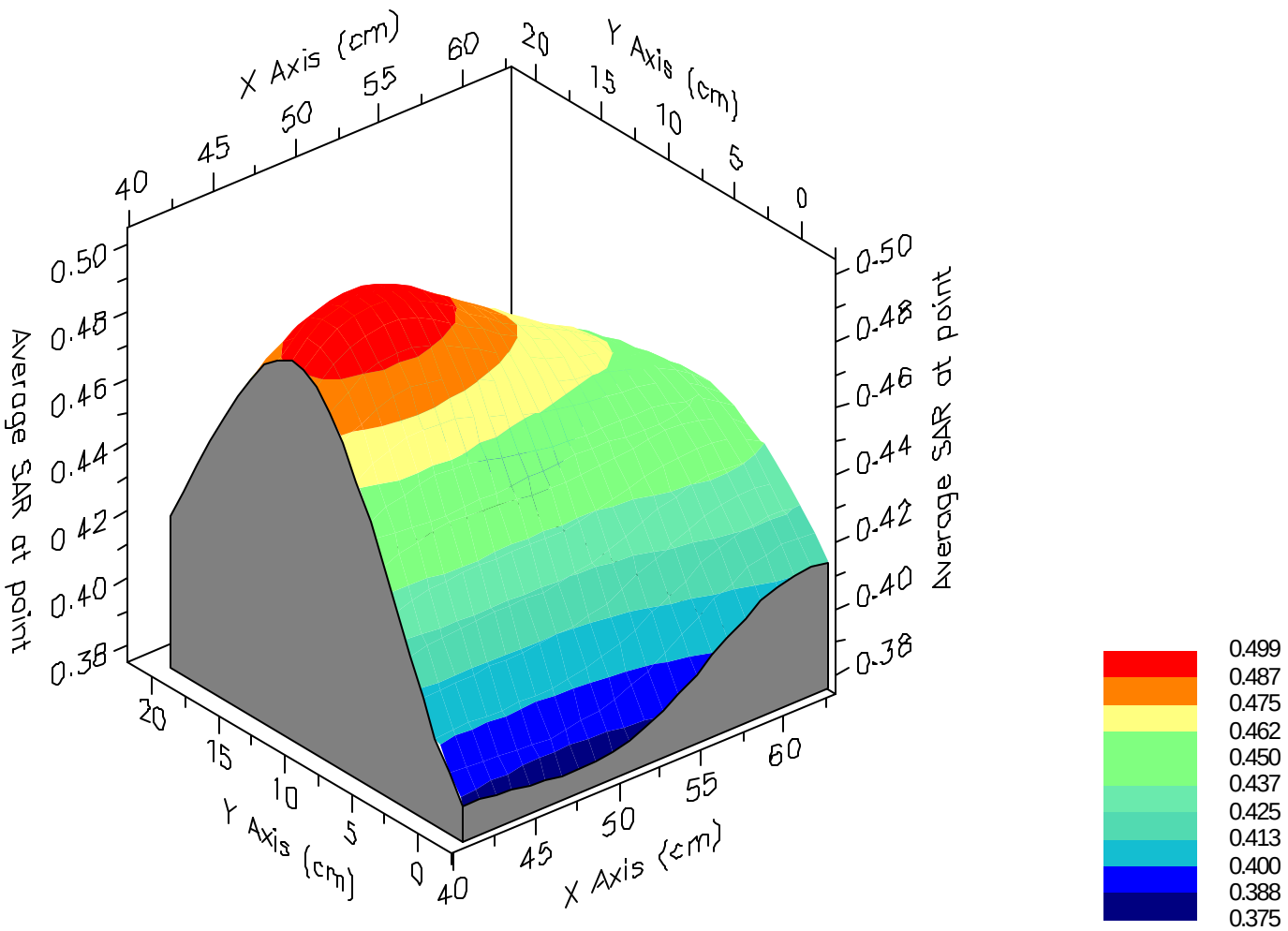
SAR Data Report 03032438

```
  Start        : 24-Mar-03 04:12:14 pm
  End          : 24-Mar-03 04:18:26 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 835.89 MHz
  Transmit Pwr     : 0.320 W
  Antenna Type     : Helical
  Antenna Posn.    : In

Measurement Data:
  Phantom Name        : SAM-LEFT
  Phantom Type        : Left Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 42.960
  Tissue Conductivity : 0.910
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.000
  Calibrated Conductivity :  0.910
  Calibrated Density      :  1.300
  Probe Offset            :  2.400 mm
  Conversion Factor       :  7.200
  Probe Sensitivity :  2.439   2.706   2.822   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= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=52.0 y=9.0 = 0.47 W/kg

Zoom Scan - Max Peak SAR Value at x=43.0 y=10.0 z=0.0 = 0.82 W/kg

Max 1g SAR at x=45.0 y=11.0 z=0.0 = 0.50 W/kg

Max 10g SAR at x=49.0 y=10.0 z=0.0 = 0.35 W/kg
```

SAR - Z Axis
at Hotspot x:43.0 y:10.0



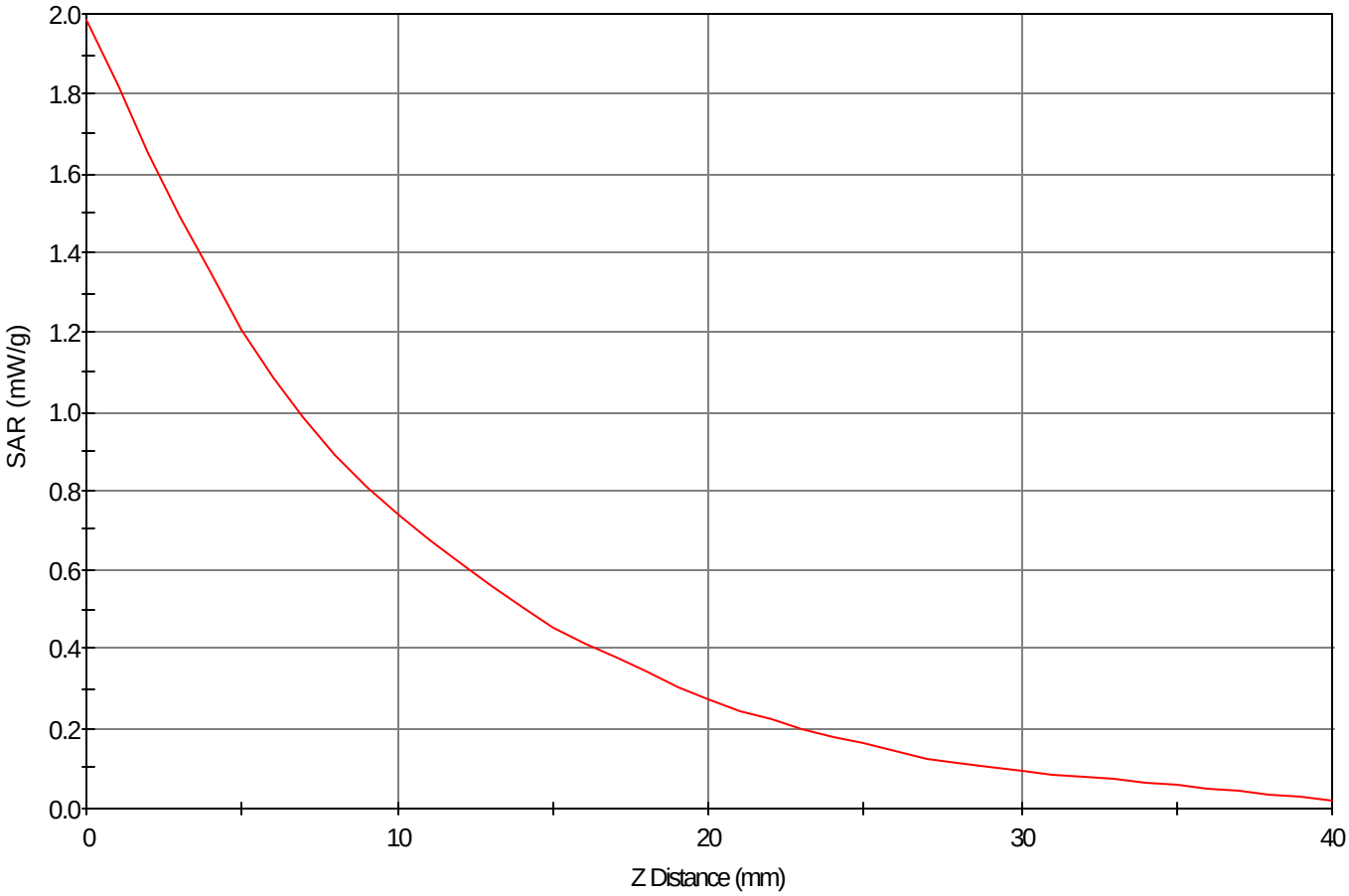
1g SAR Values



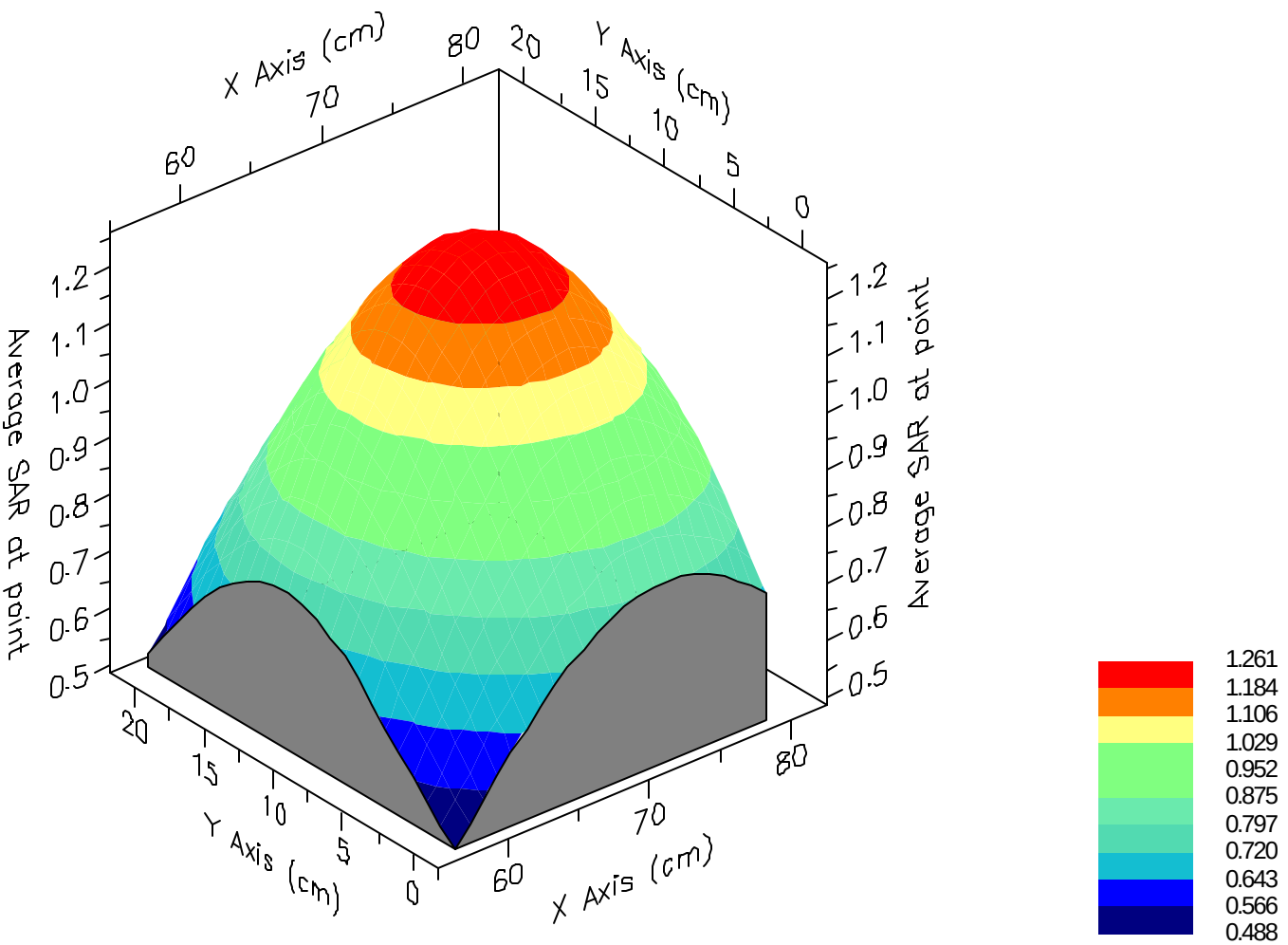
SAR Data Report 03032608

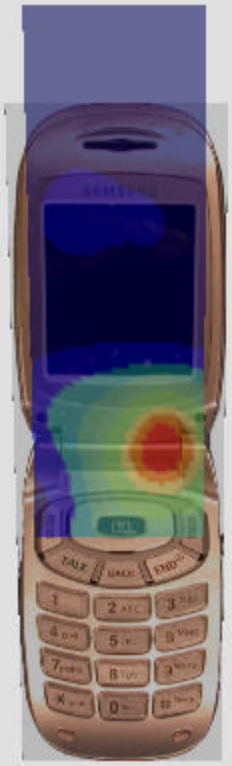
```
  Start        : 26-Mar-03 10:20:39 am
  End          : 26-Mar-03 10:26:46 am
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 1851.25 MHz
  Transmit Pwr     : 0.320 W
  Antenna Type     : Helical
  Antenna Posn.    : In

Measurement Data:
  Phantom Name        : SAM-RIGHT
  Phantom Type        : Right Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.440
  Tissue Conductivity : 1.390
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 1880 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.200
  Calibrated Conductivity :  1.410
  Calibrated Density      :  1.000
  Probe Offset            :  2.400 mm
  Conversion Factor       :  4.050
  Probe Sensitivity :  4.794   5.895   5.327   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-25
  Cheek
  CF=1; Amb. Temp= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=68.0 y=10.0 = 1.26 W/kg

Zoom Scan - Max Peak SAR Value at x=71.0 y=10.0 z=0.0 = 1.99 W/kg

Max 1g SAR at x=70.0 y=10.0 z=0.0 = 1.26 W/kg

Max 10g SAR at x=70.0 y=11.0 z=0.0 = 0.67 W/kg
```

SAR - Z Axis
at Hotspot x:71.0 y:10.0



1g SAR Values

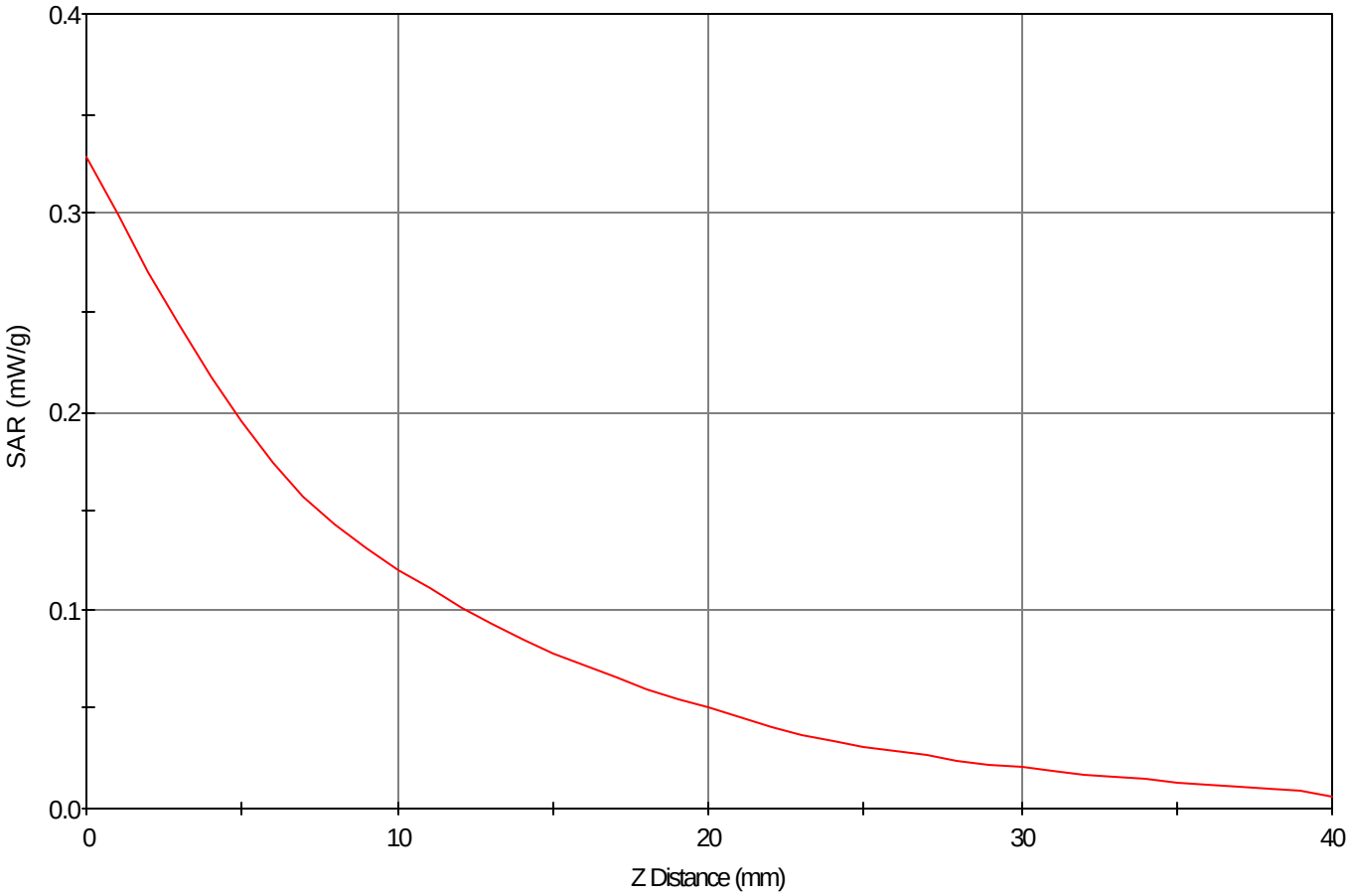



TALK
BACK
END

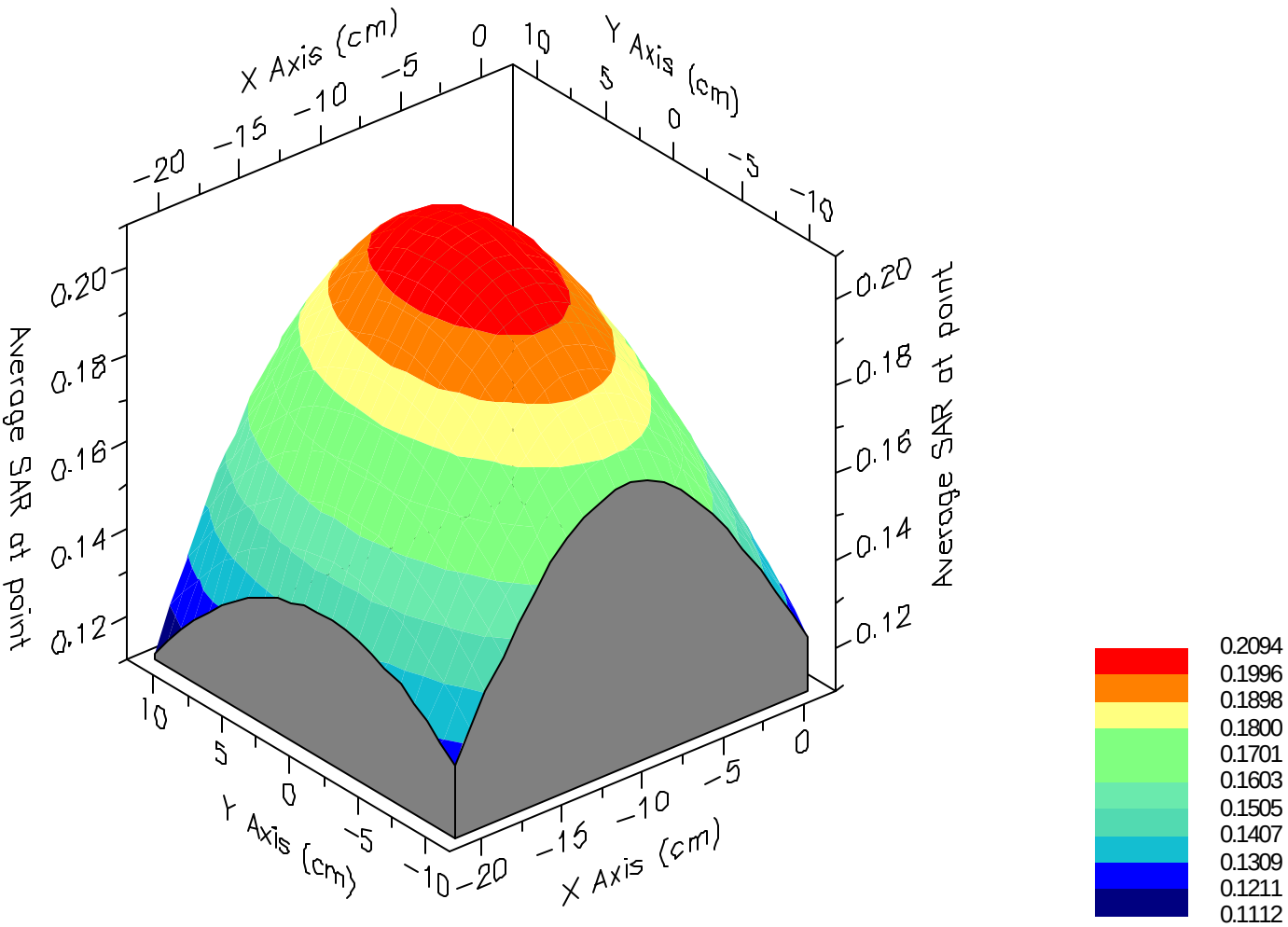
SAR Data Report 03032625

```
  Start        : 26-Mar-03 01:55:34 pm
  End          : 26-Mar-03 02:01:58 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 1880.00 MHz
  Transmit Pwr     : 0.320 W
  Antenna Type     : Helical
  Antenna Posn.    : In

Measurement Data:
  Phantom Name        : SAM-RIGHT
  Phantom Type        : Right Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.440
  Tissue Conductivity : 1.390
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 1880 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.200
  Calibrated Conductivity :  1.410
  Calibrated Density      :  1.000
  Probe Offset            :  2.400 mm
  Conversion Factor       :  4.050
  Probe Sensitivity :  4.794   5.895   5.327   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= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=-10.0 y=0.0 = 0.22 W/kg

Zoom Scan - Max Peak SAR Value at x=-10.0 y=4.0 z=0.0 = 0.33 W/kg

Max 1g SAR at x=-10.0 y=2.0 z=0.0 = 0.21 W/kg

Max 10g SAR at x=-9.0 y=0.0 z=0.0 = 0.12 W/kg
```

SAR - Z Axis
at Hotspot x:-10.0 y:4.0



1g SAR Values

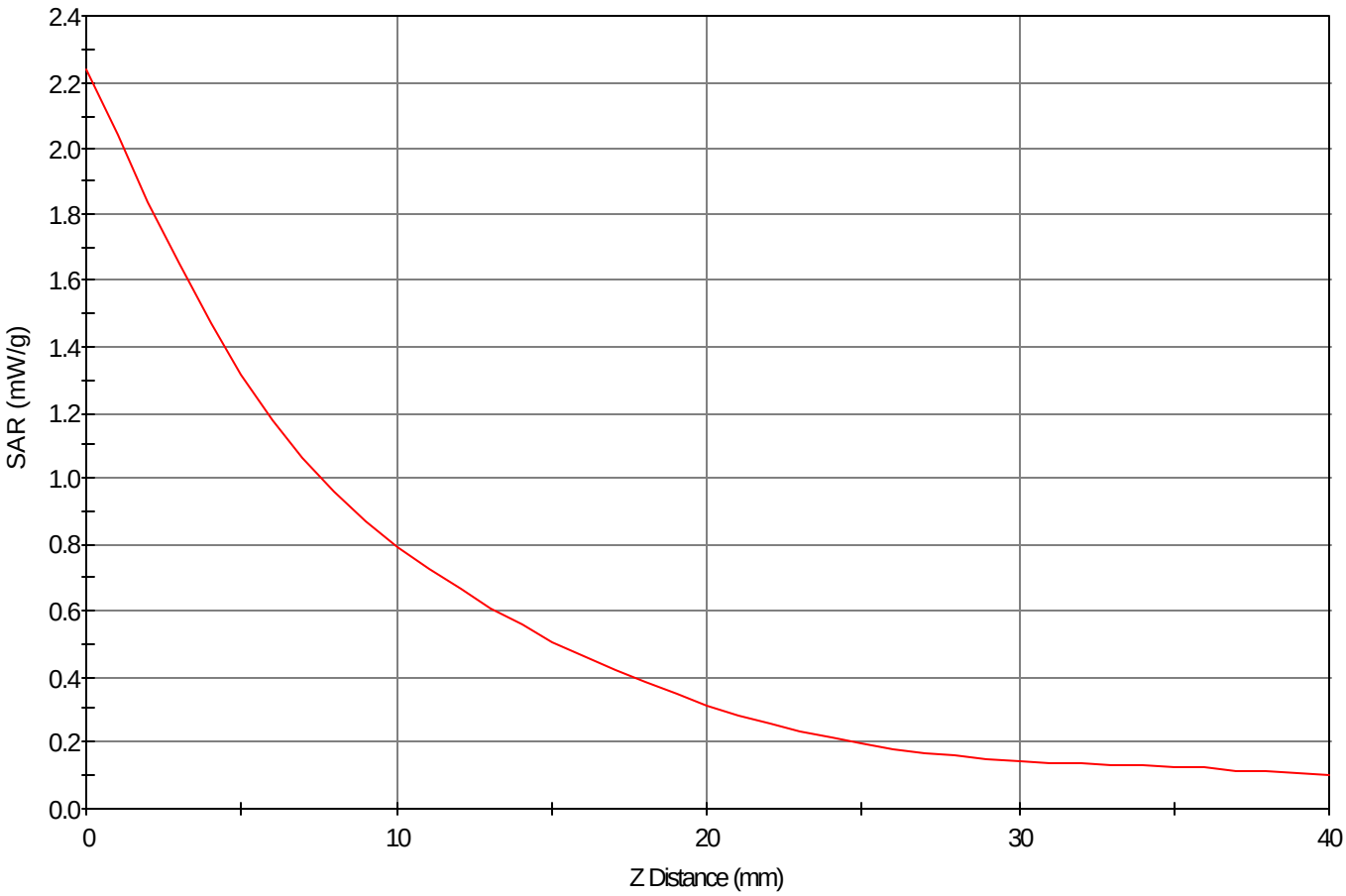



TALK
END

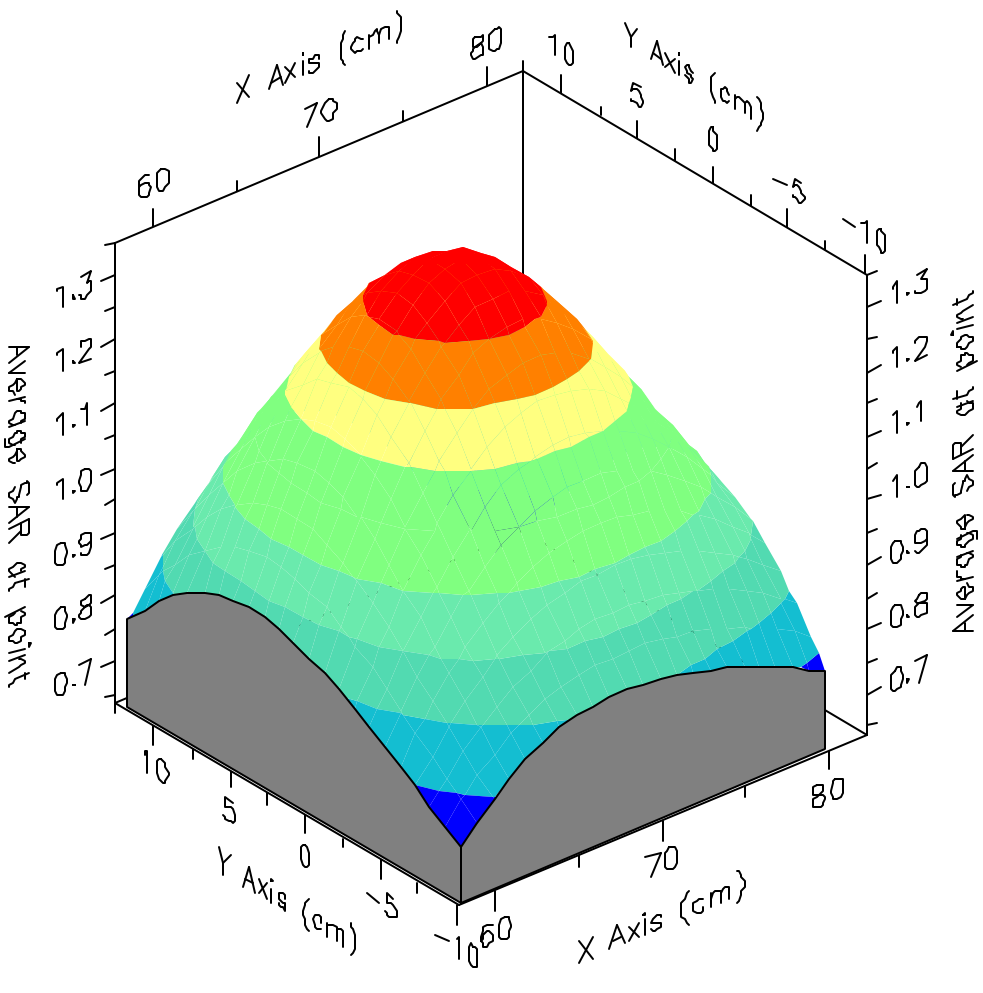
SAR Data Report 03032609

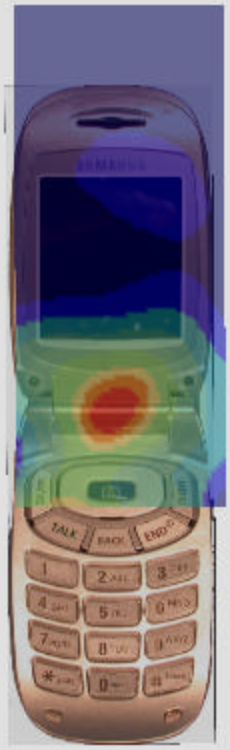
```
  Start        : 26-Mar-03 10:35:45 am
  End          : 26-Mar-03 10:42:21 am
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 1851.25 MHz
  Transmit Pwr     : 0.320 W
  Antenna Type     : Helical
  Antenna Posn.    : In

Measurement Data:
  Phantom Name        : SAM-LEFT
  Phantom Type        : Left Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.440
  Tissue Conductivity : 1.390
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 1880 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.200
  Calibrated Conductivity :  1.410
  Calibrated Density      :  1.000
  Probe Offset            :  2.400 mm
  Conversion Factor       :  4.050
  Probe Sensitivity :  4.794   5.895   5.327   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-25
  Cheek
  CF=1; Amb. Temp= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=69.0 y=1.0 = 1.30 W/kg

Zoom Scan - Max Peak SAR Value at x=69.0 y=2.0 z=0.0 = 2.24 W/kg

Max 1g SAR at x=69.0 y=2.0 z=0.0 = 1.35 W/kg

Max 10g SAR at x=69.0 y=2.0 z=0.0 = 0.71 W/kg
```

SAR - Z Axis
at Hotspot x:69.0 y:2.0



1g SAR Values

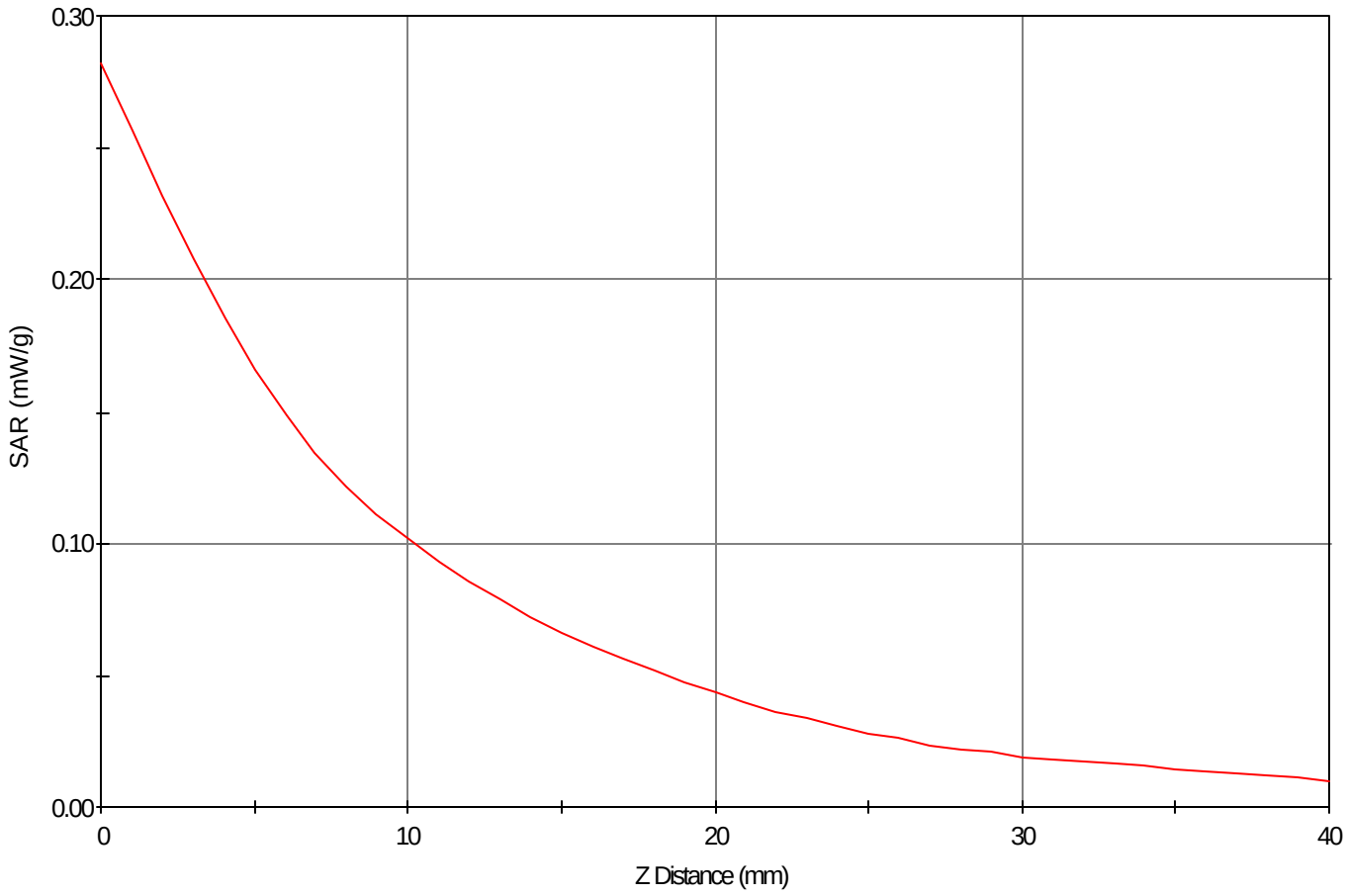



TALK
BACK
END

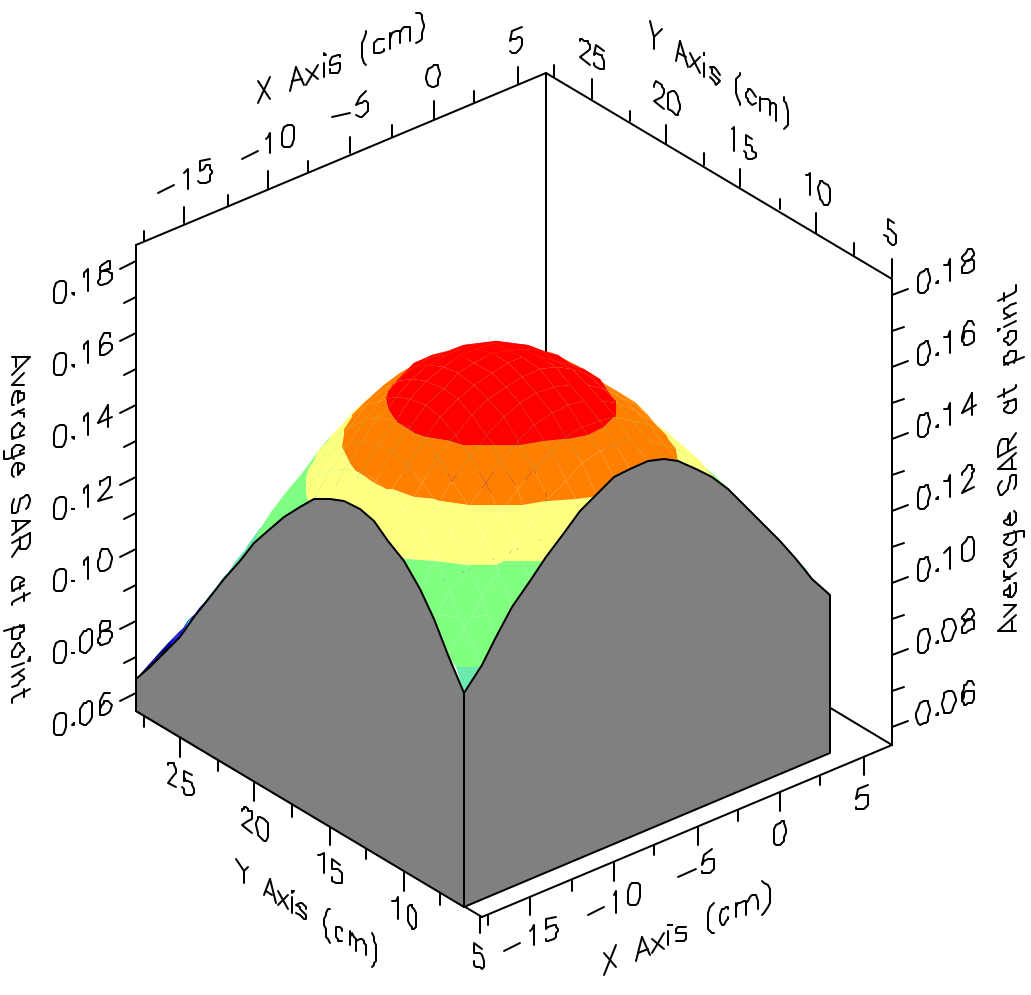
SAR Data Report 03032623

```
  Start        : 26-Mar-03 02:21:33 pm
  End          : 26-Mar-03 02:28:02 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 1880.00 MHz
  Transmit Pwr     : 0.320 W
  Antenna Type     : Helical
  Antenna Posn.    : In

Measurement Data:
  Phantom Name        : SAM-LEFT
  Phantom Type        : Left Ear
  Tissue Type         : Brain
  Tissue Dielectric   : 39.440
  Tissue Conductivity : 1.390
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 1880 MHz
  Tissue Type             : Brain
  Calibrated Dielectric   : 40.200
  Calibrated Conductivity :  1.410
  Calibrated Density      :  1.000
  Probe Offset            :  2.400 mm
  Conversion Factor       :  4.050
  Probe Sensitivity :  4.794   5.895   5.327   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= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=-7.0 y=17.0 = 0.15 W/kg

Zoom Scan - Max Peak SAR Value at x=-12.0 y=13.0 z=0.0 = 0.28 W/kg

Max 1g SAR at x=-10.0 y=13.0 z=0.0 = 0.18 W/kg

Max 10g SAR at x=-8.0 y=13.0 z=0.0 = 0.10 W/kg
```

SAR - Z Axis
at Hotspot x:-12.0 y:13.0



1g SAR Values

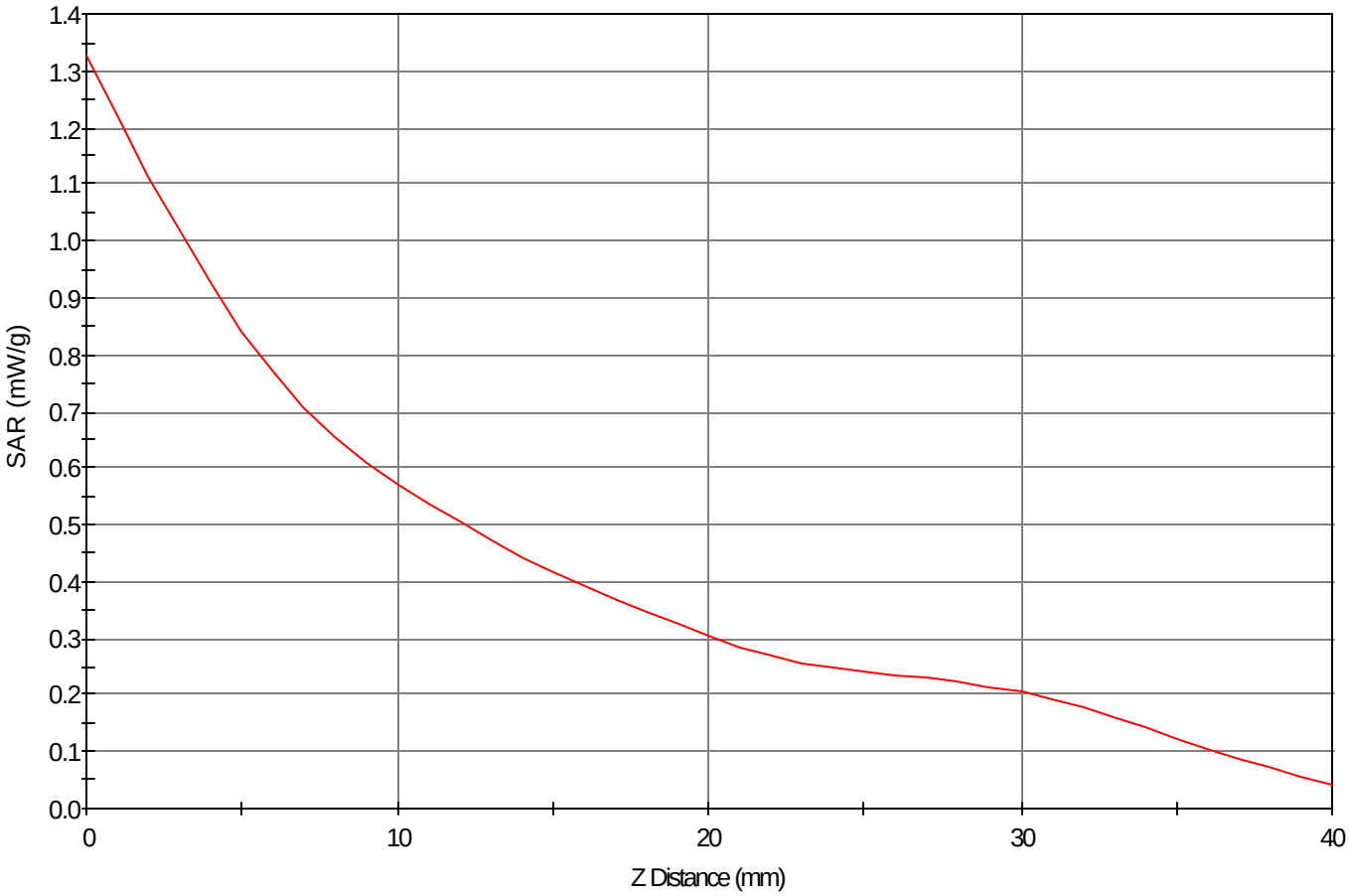


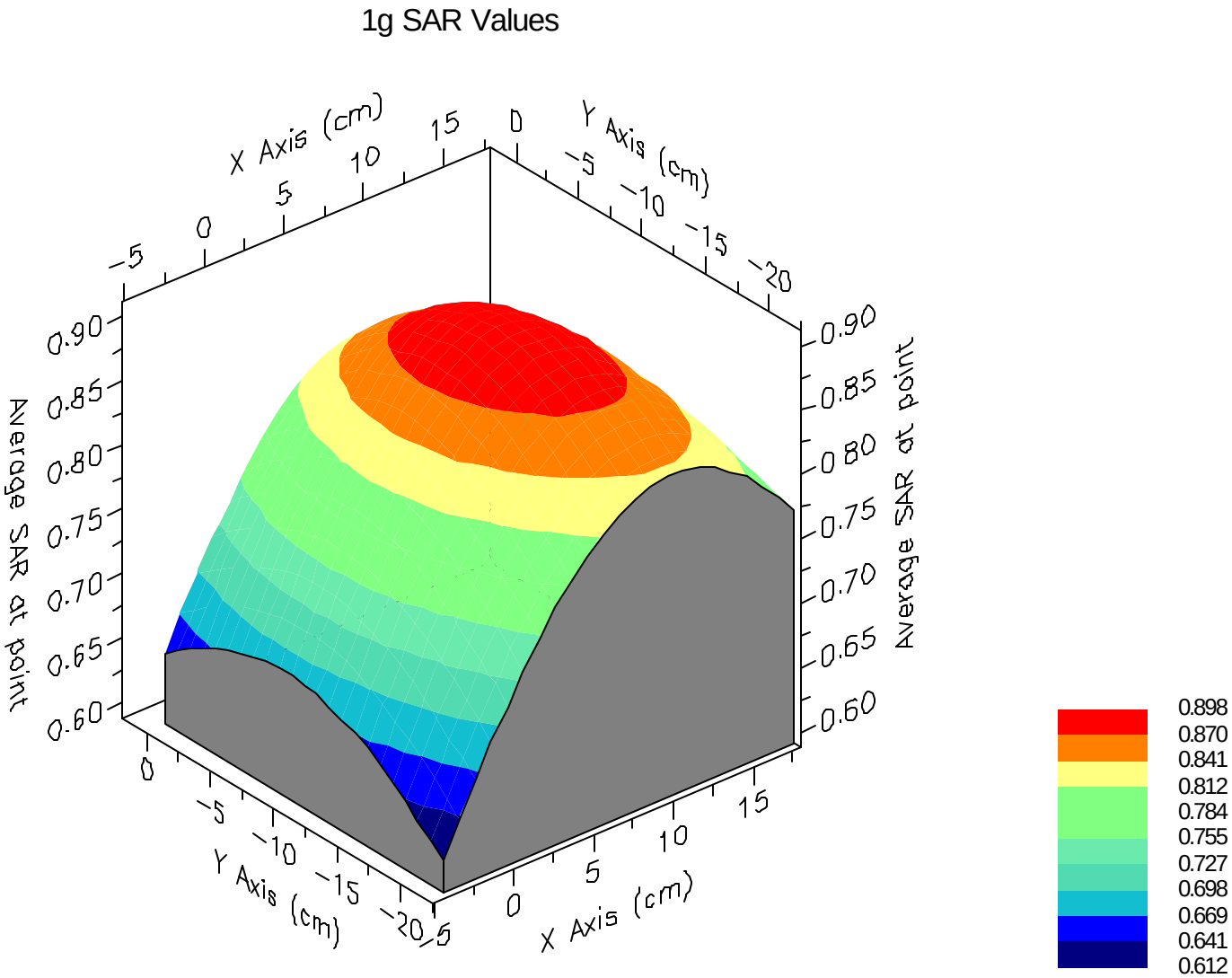

TALK
BACK
END

SAR Data Report 03032706

```
  Start        : 27-Mar-03 03:29:20 pm
  End          : 27-Mar-03 03:36:53 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 836.49 MHz
  Transmit Pwr     : 0.400 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM FLAT
  Phantom Type        : Uniphantom
  Tissue Type         : Muscle
  Tissue Dielectric   : 54.290
  Tissue Conductivity : 0.940
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Muscle
  Calibrated Dielectric   : 55.700
  Calibrated Conductivity :  0.980
  Calibrated Density      :  1.000
  Probe Offset            :  2.400 mm
  Conversion Factor       :  7.700
  Probe Sensitivity :  2.439   2.706   2.822   mV/(mW/cm^2)
  Amplifier Gains   :  20.00   20.00   20.00

Sample:
  Rate:         6000 Samples/Sec
  Count:        1000 Samples
  NIDAQ Gain:   5

Comments:
  AMPS Mode CH-383
  Body
  CF=1; Amb. Temp= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=7.0 y=-11.0 = 0.83 W/kg

Zoom Scan - Max Peak SAR Value at x=7.0 y=-11.0 z=0.0 = 1.33 W/kg

Max 1g SAR at x=8.0 y=-11.0 z=0.0 = 0.90 W/kg

Max 10g SAR at x=9.0 y=-12.0 z=0.0 = 0.59 W/kg
```

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

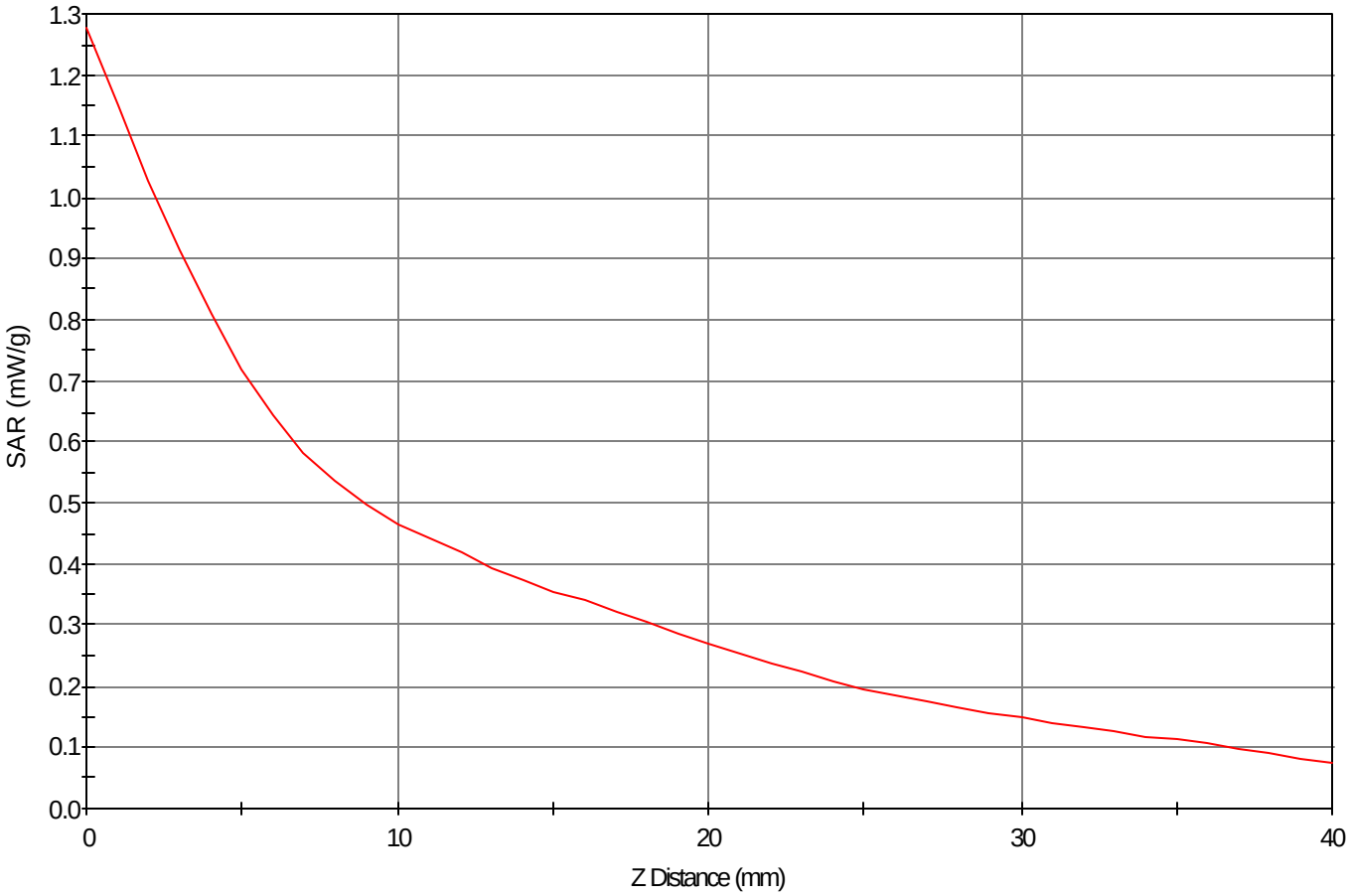



1g SAR Values
X Axis (cm)
Y Axis (cm)
Average SAR at point
0.898
0.870
0.841
0.812
0.784
0.755
0.727
0.698
0.669
0.641
0.612

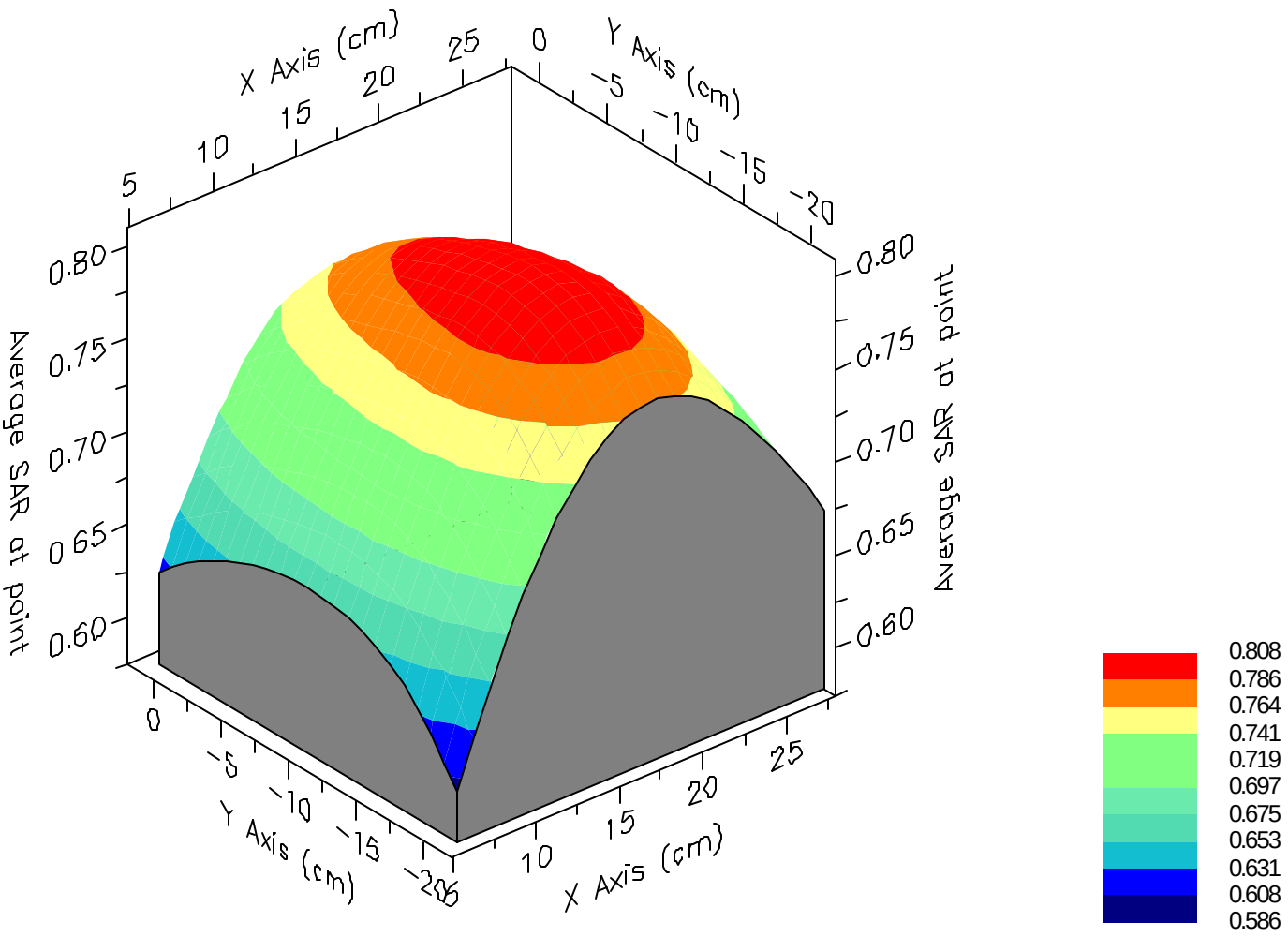
SAR Data Report 03032712

```
  Start        : 27-Mar-03 04:40:40 pm
  End          : 27-Mar-03 04:48:12 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 835.89 MHz
  Transmit Pwr     : 0.320 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM FLAT
  Phantom Type        : Uniphantom
  Tissue Type         : Muscle
  Tissue Dielectric   : 54.290
  Tissue Conductivity : 0.940
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 835 MHz
  Tissue Type             : Muscle
  Calibrated Dielectric   : 55.700
  Calibrated Conductivity :  0.980
  Calibrated Density      :  1.000
  Probe Offset            :  2.400 mm
  Conversion Factor       :  7.700
  Probe Sensitivity :  2.439   2.706   2.822   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
  Body
  CF=1; Amb. Temp= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=17.0 y=-10.0 = 0.76 W/kg

Zoom Scan - Max Peak SAR Value at x=15.0 y=-18.0 z=0.0 = 1.28 W/kg

Max 1g SAR at x=17.0 y=-13.0 z=0.0 = 0.81 W/kg

Max 10g SAR at x=18.0 y=-11.0 z=0.0 = 0.53 W/kg
```

SAR - Z Axis
at Hotspot x:15.0 y:-18.0



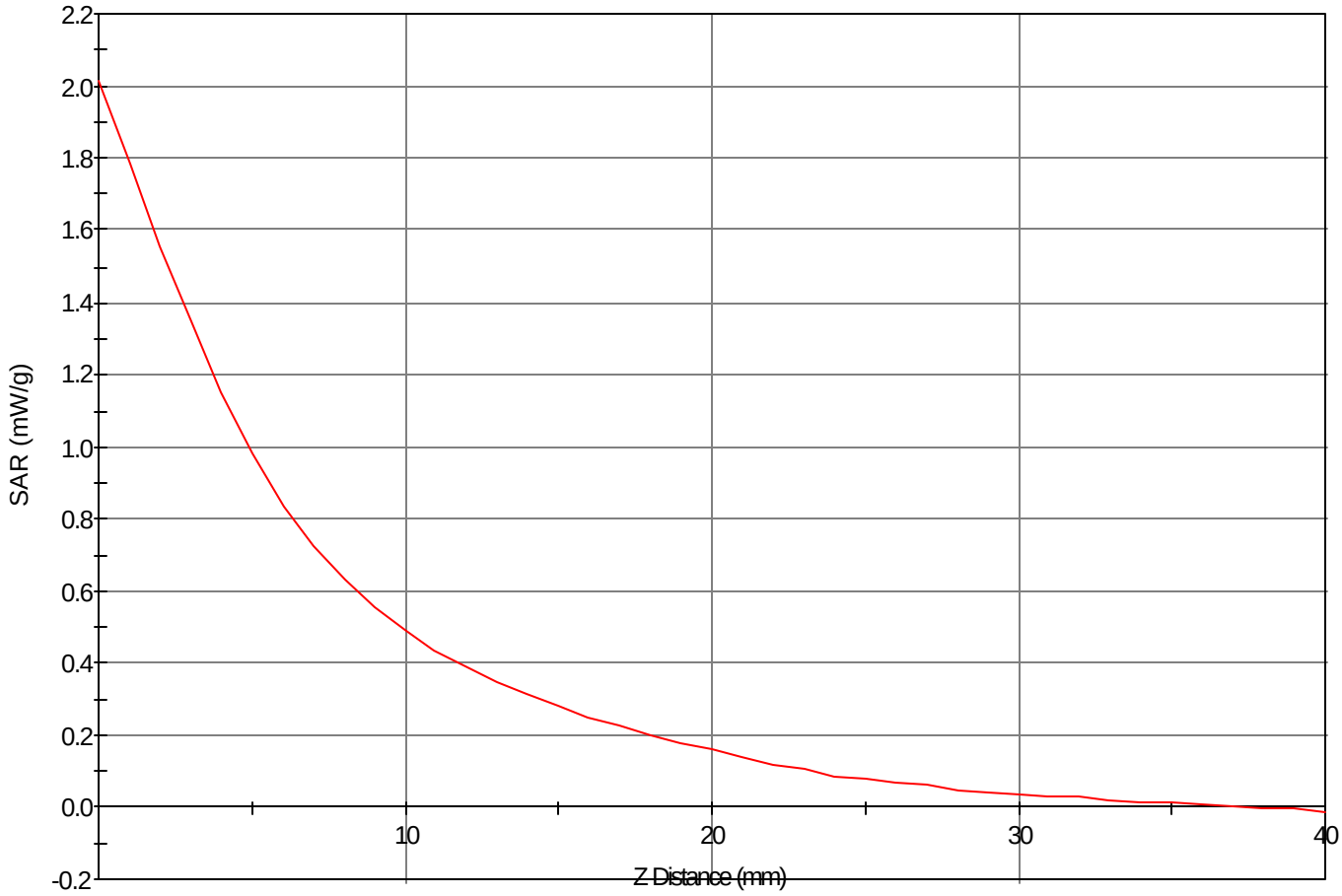
1g SAR Values



SAR Data Report 03032745

```
  Start        :  27-Mar-03 6:20:46 pm
  End          :  27-Mar-03 6:28:21 pm
  Code Version : 4.08
  Robot Version: 4.08

Product Data:
  Type             : SAMSUNG
  Model Number     : SPH-A620
  Serial Number    : 4
  Frequency        : 1908.75 MHz
  Transmit Pwr     : 0.320 W
  Antenna Type     : Helical
  Antenna Posn.    : Out

Measurement Data:
  Phantom Name        : SAM FLAT
  Phantom Type        : Uniphantom
  Tissue Type         : Muscle
  Tissue Dielectric   : 52.820
  Tissue Conductivity : 1.560
  Tissue Density      : 1.000
  Robot Name          : CRS

Probe Data:
  Probe Name              : PCT003
  Probe Type              : E Fld Triangle
  Frequency               : 1880 MHz
  Tissue Type             : Muscle
  Calibrated Dielectric   : 53.900
  Calibrated Conductivity :  1.480
  Calibrated Density      :  1.000
  Probe Offset            :  2.400 mm
  Conversion Factor       :  4.400
  Probe Sensitivity :  4.794   5.895   5.327   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-1175
  Body
  CF=1; Amb. Temp= 22.3 'C; Liq. Temp=21.1 'C



Area Scan - Max Peak SAR Value at x=-8.0 y=26.0 = 1.08 W/kg

Zoom Scan - Max Peak SAR Value at x=-8.0 y=26.0 z=0.0 = 2.02 W/kg

Max 1g SAR at x=-7.0 y=26.0 z=0.0 = 1.10 W/kg

Max 10g SAR at x=-8.0 y=26.0 z=0.0 = 0.56 W/kg
```

SAR - Z Axis
at Hotspot x:-8.0 y:26.0



1g SAR Values