SAR Data Report 02112606


```
   Start        : 26-Nov-02 09:23:47 am
   End          : 26-Nov-02 09:30:03 am
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : SAMSUNG
   Model Number    : SCH-A530
   Serial Number   : F1BEB362
   Frequency       : 835.89 MHz
   Transmit Pwr    : 0.355 W
   Antenna Type    : Helical
   Antenna Posn.   : In

Measurement Data:
   Phantom Name       : SAM RIGHT-3
   Phantom Type       : Right Ear
   Tissue Type        : Brain
   Tissue Dielectric  : 42.000
   Tissue Conductivity : 0.890
   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
   Cheek
   CF=1; Amb. Temp= 22.2 'C; Liq. Temp=22.1 'C
```
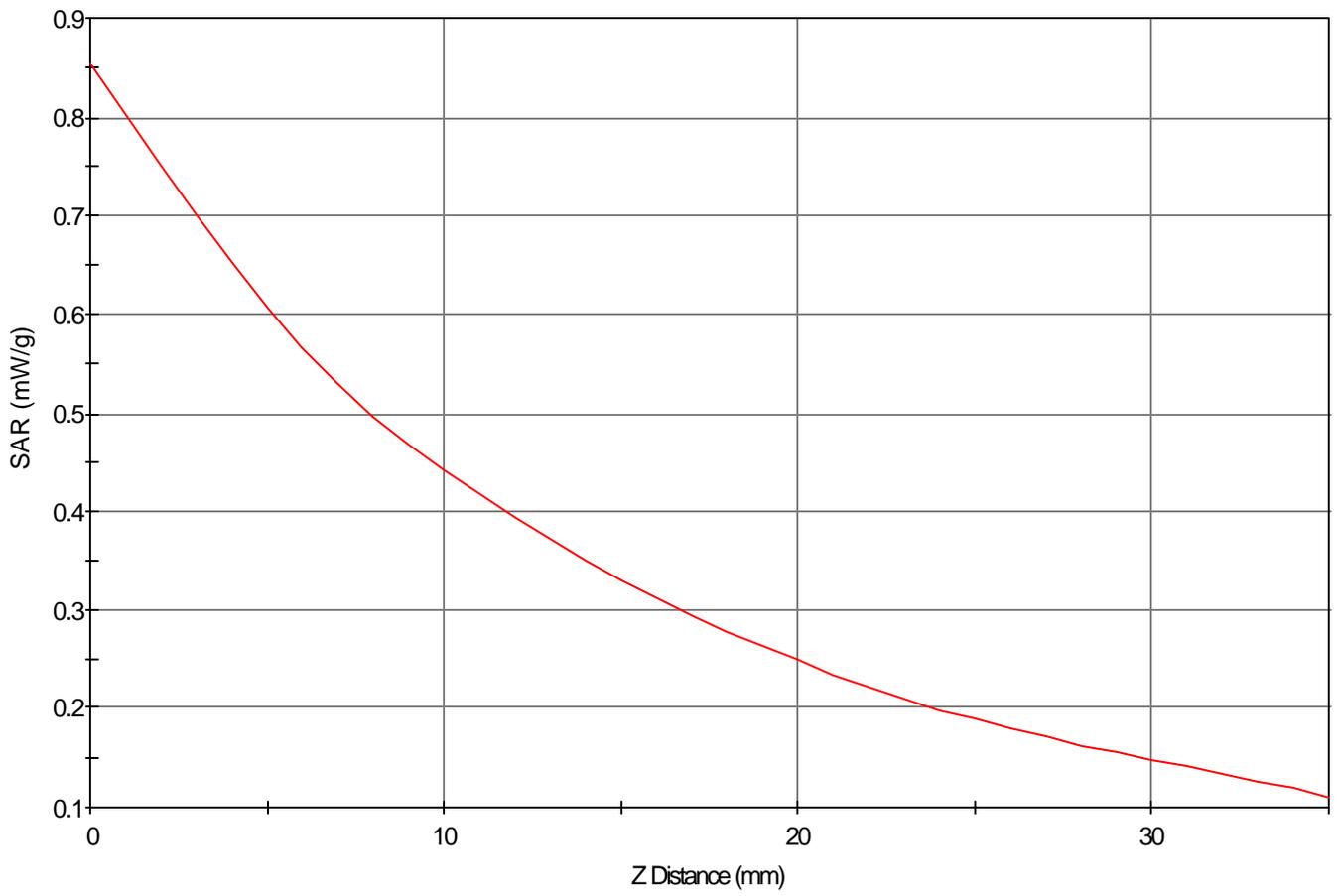

Area Scan - Max Peak SAR Value at x=76.0 y=13.0 = 1.45 W/kg

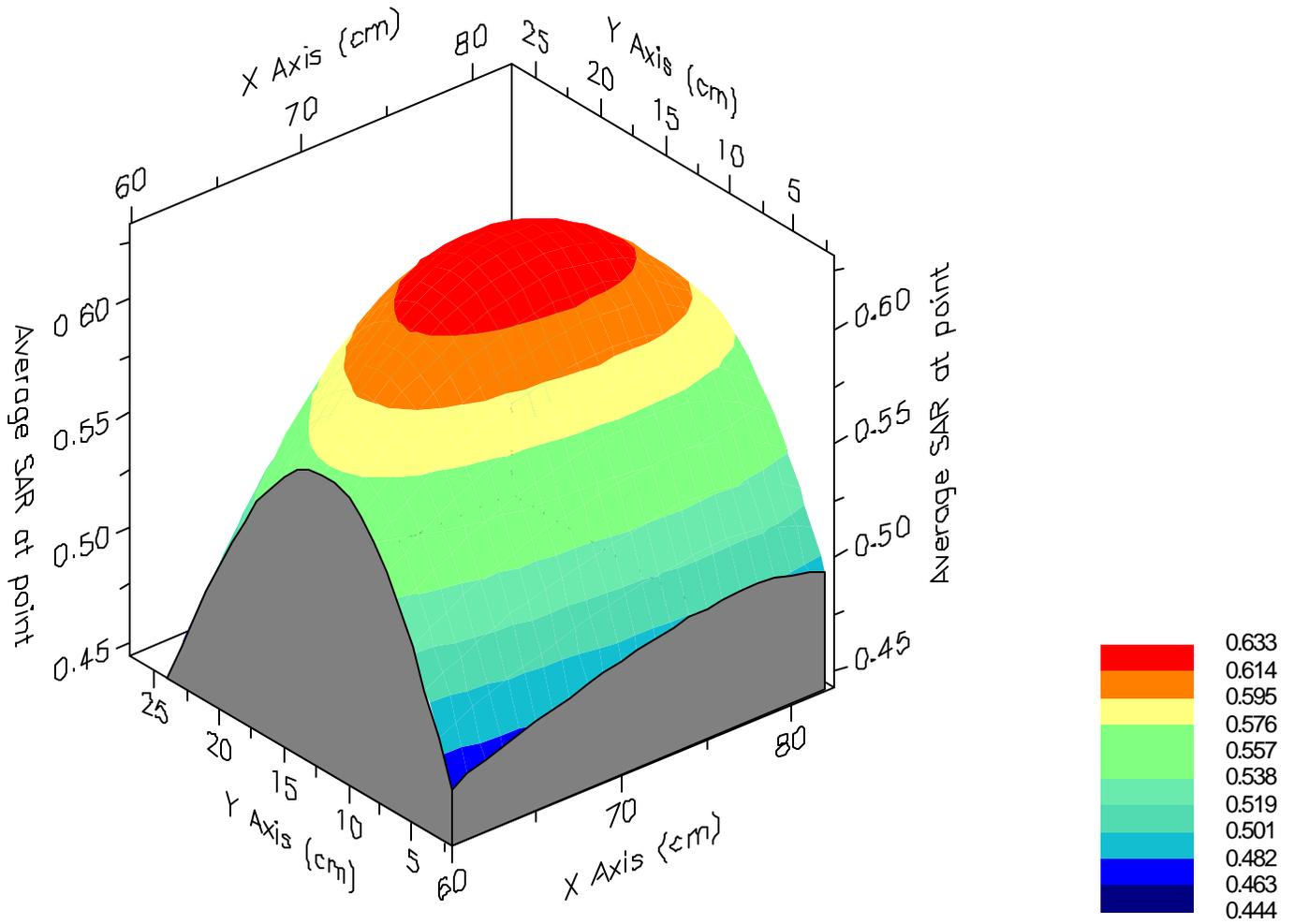Zoom Scan - Max Peak SAR Value at x=75.0 y=14.0 z=0.0 = 2.09 W/kg

Max 1g SAR at x=76.0 y=14.0 z=0.0 = 1.47 W/kg

Max 10g SAR at x=77.0 y=13.0 z=0.0 = 0.96 W/kg

SAR - Z Axis
at Hotspot x:72.0 y:15.0

1g SAR Values

```
SAR Data Report 02112613


   Start        : 26-Nov-02 10:56:00 am
   End          : 26-Nov-02 11:02:20 am
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : SAMSUNG
   Model Number    : SCH-A530
   Serial Number   : F1BEB362
   Frequency       : 835.89 MHz
   Transmit Pwr    : 0.355 W
   Antenna Type    : Helical
   Antenna Posn.   : In

Measurement Data:
   Phantom Name       : SAM RIGHT-3
   Phantom Type       : Right Ear
   Tissue Type        : Brain
   Tissue Dielectric  : 42.000
   Tissue Conductivity : 0.890
   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= 22.2 'C; Liq. Temp=22.1 'C



Area Scan - Max Peak SAR Value at x=60.0 y=13.0 = 0.38 W/kg

Zoom Scan - Max Peak SAR Value at x=56.0 y=13.0 z=0.0 = 0.51 W/kg

Max 1g SAR at x=59.0 y=14.0 z=0.0 = 0.37 W/kg

Max 10g SAR at x=60.0 y=13.0 z=0.0 = 0.26 W/kg
```
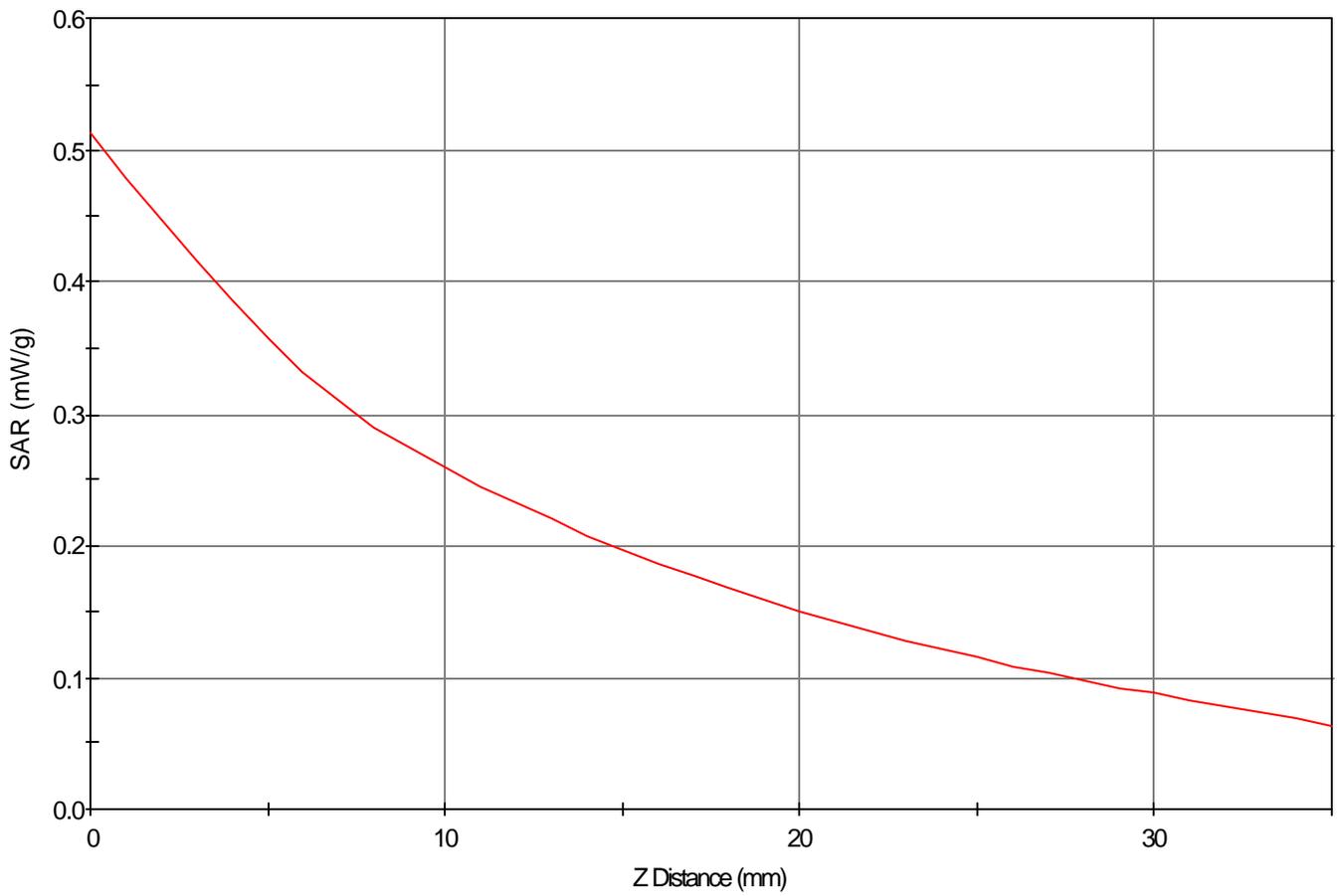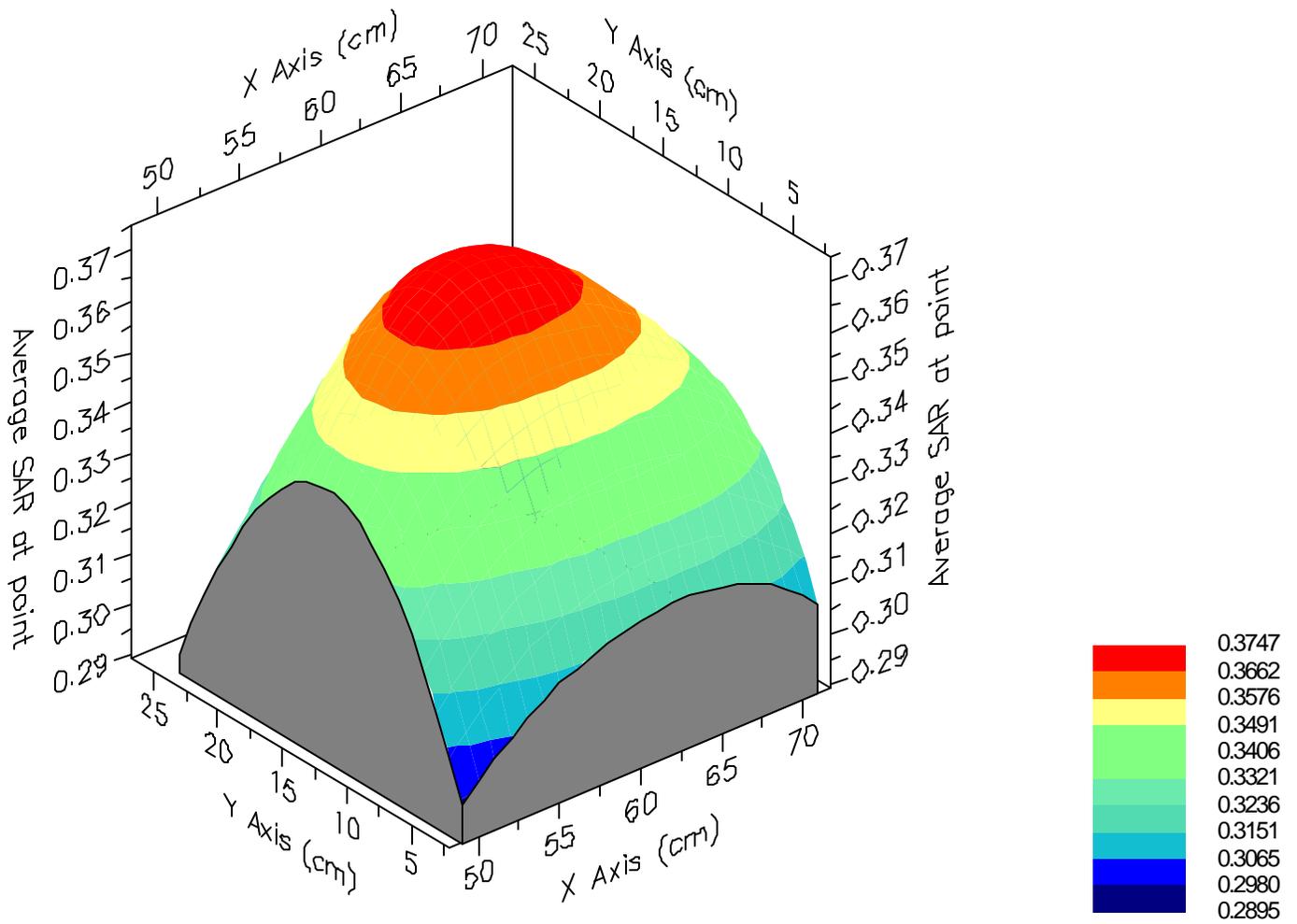
SAR - Z Axis
at Hotspot x:56.0 y:13.0

1g SAR Values

```
SAR Data Report 02112532


   Start        : 25-Nov-02 04:34:13 pm
   End          : 25-Nov-02 04:43:32 pm
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : SAMSUNG
   Model Number    : SCH-A530
   Serial Number   : F1BEB362
   Frequency       : 835.89 MHz
   Transmit Pwr    : 0.355 W
   Antenna Type    : Helical
   Antenna Posn.   : In

Measurement Data:
   Phantom Name        : SAM LEFT-3
   Phantom Type        : Left Ear
   Tissue Type         : Brain
   Tissue Dielectric   : 42.000
   Tissue Conductivity : 0.890
   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
   Cheek
   CF=1; Amb. Temp= 22.2 'C; Liq. Temp=22.1 'C




Area Scan - Max Peak SAR Value at x=73.0 y=5.0 = 1.45 W/kg

Zoom Scan - Max Peak SAR Value at x=76.0 y=6.0 z=0.0 = 1.93 W/kg

Max 1g SAR at x=74.0 y=6.0 z=0.0 = 1.44 W/kg

Max 10g SAR at x=73.0 y=5.0 z=0.0 = 0.98 W/kg
```
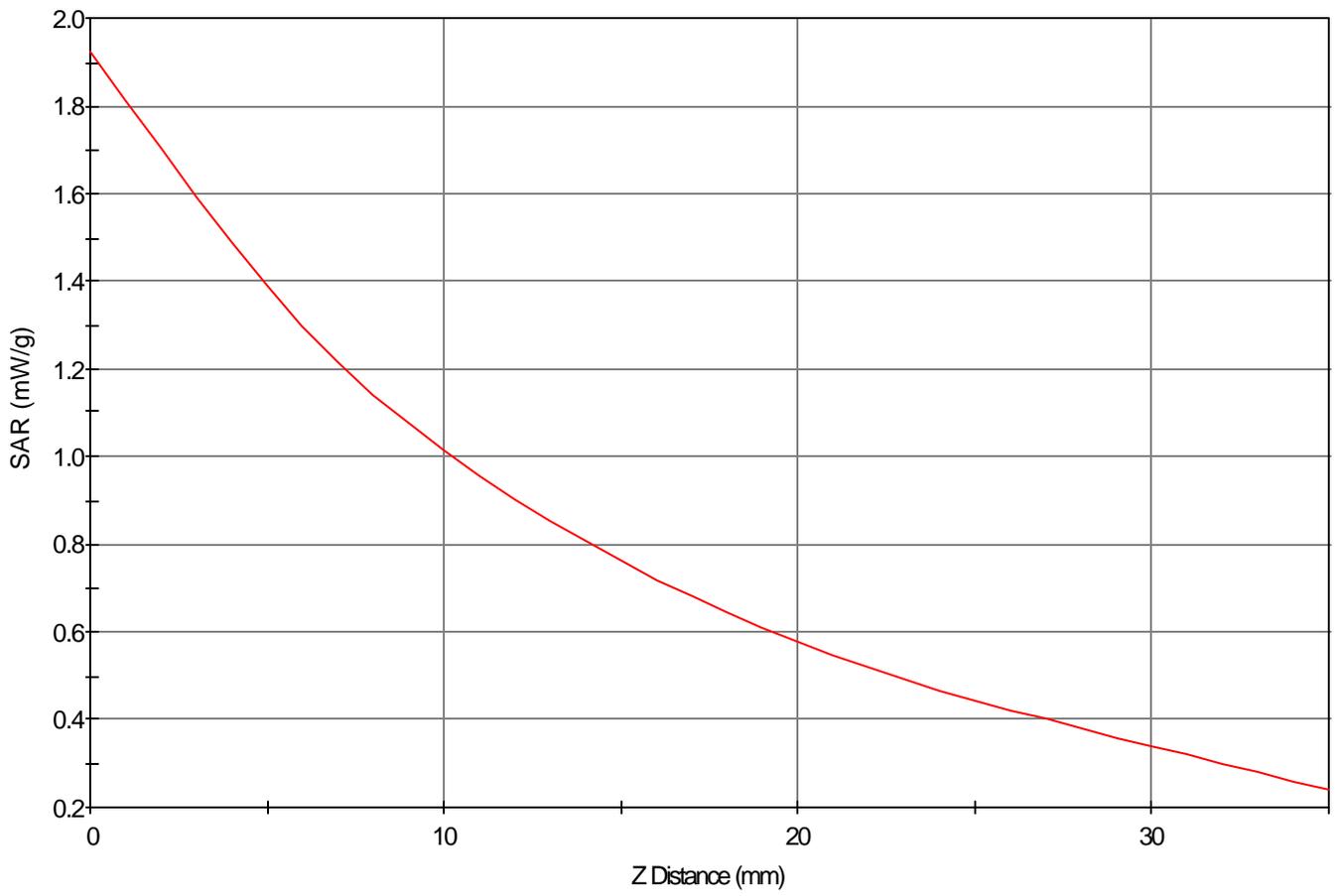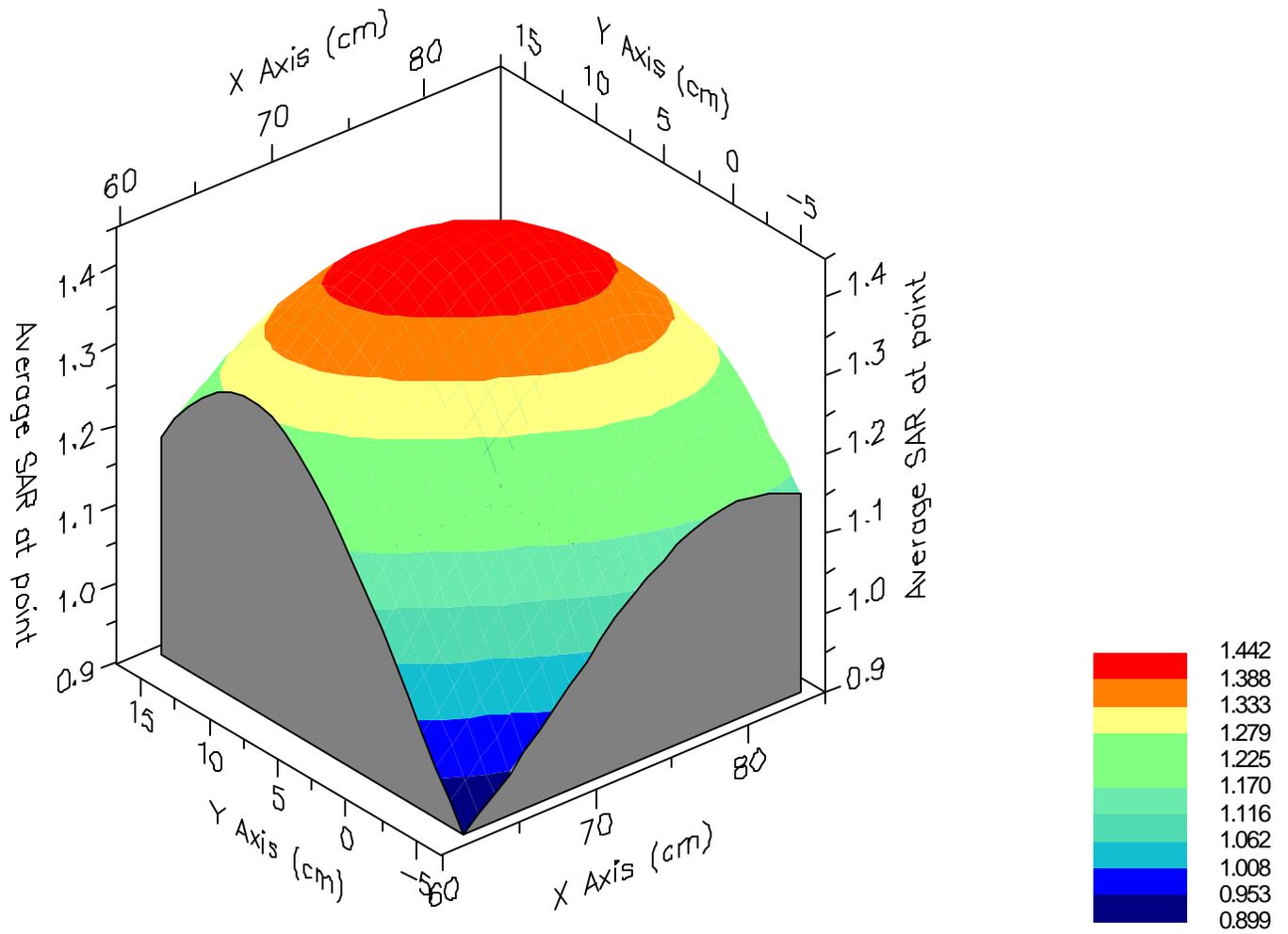
SAR - Z Axis
at Hotspot x:76.0 y:6.0

1g SAR Values

```
SAR Data Report 02112616


   Start        : 26-Nov-02 11:22:21 am
   End          : 26-Nov-02 11:28:33 am
   Code Version : 4.08
   Robot Version: 4.08


Product Data:
   Type            : SAMSUNG
   Model Number    : SCH-A530
   Serial Number   : F1BEB362
   Frequency       : 835.89 MHz
   Transmit Pwr    : 0.355 W
   Antenna Type    : Helical
   Antenna Posn.   : In


Measurement Data:
   Phantom Name       : SAM LEFT-3
   Phantom Type       : Left Ear
   Tissue Type        : Brain
   Tissue Dielectric  : 42.000
   Tissue Conductivity : 0.890
   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= 22.2 'C; Liq. Temp=22.1 'C




Area Scan - Max Peak SAR Value at x=54.0 y=9.0 = 0.24 W/kg

Zoom Scan - Max Peak SAR Value at x=53.0 y=12.0 z=0.0 = 0.35 W/kg

Max 1g SAR at x=54.0 y=11.0 z=0.0 = 0.24 W/kg

Max 10g SAR at x=55.0 y=8.0 z=0.0 = 0.17 W/kg
```
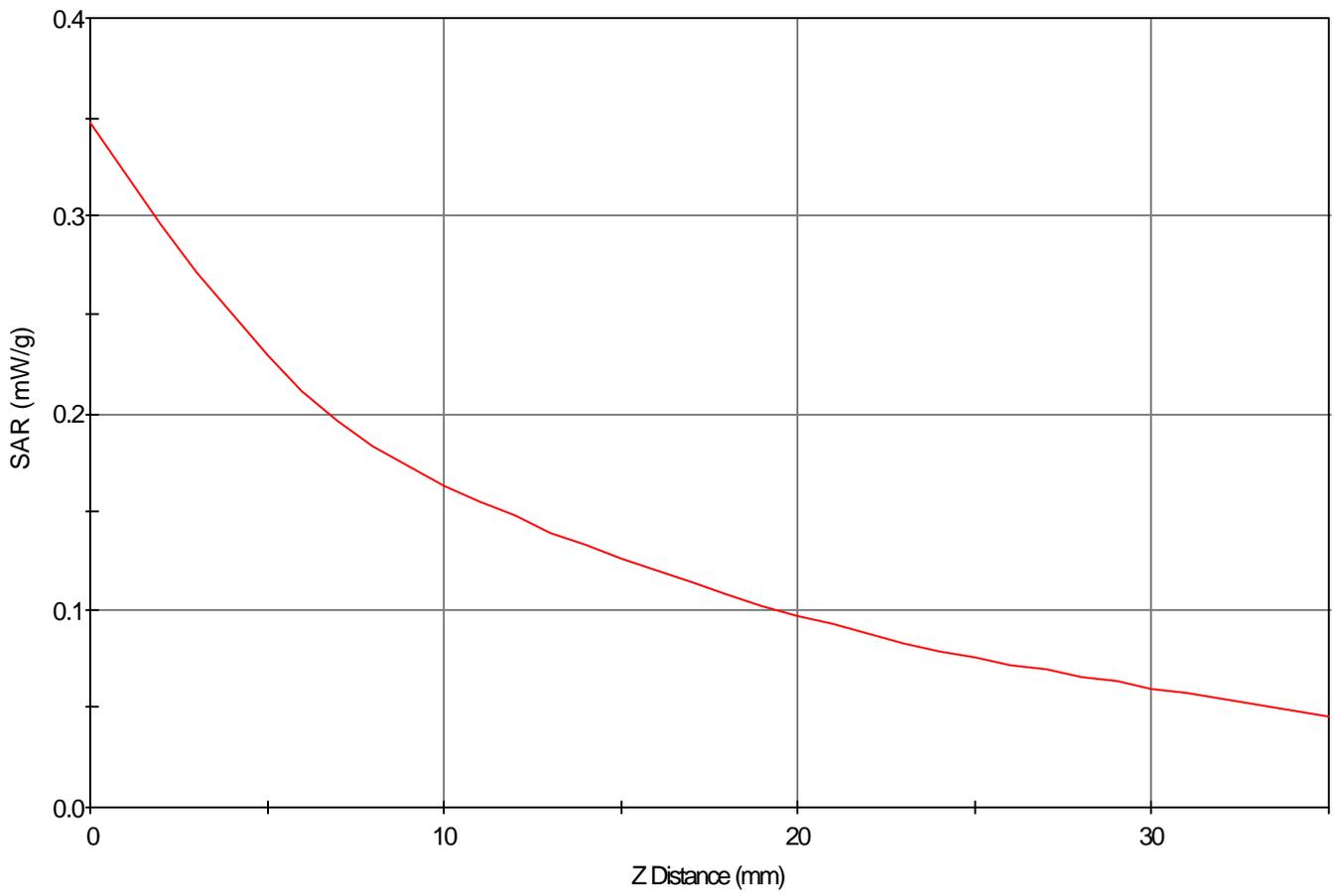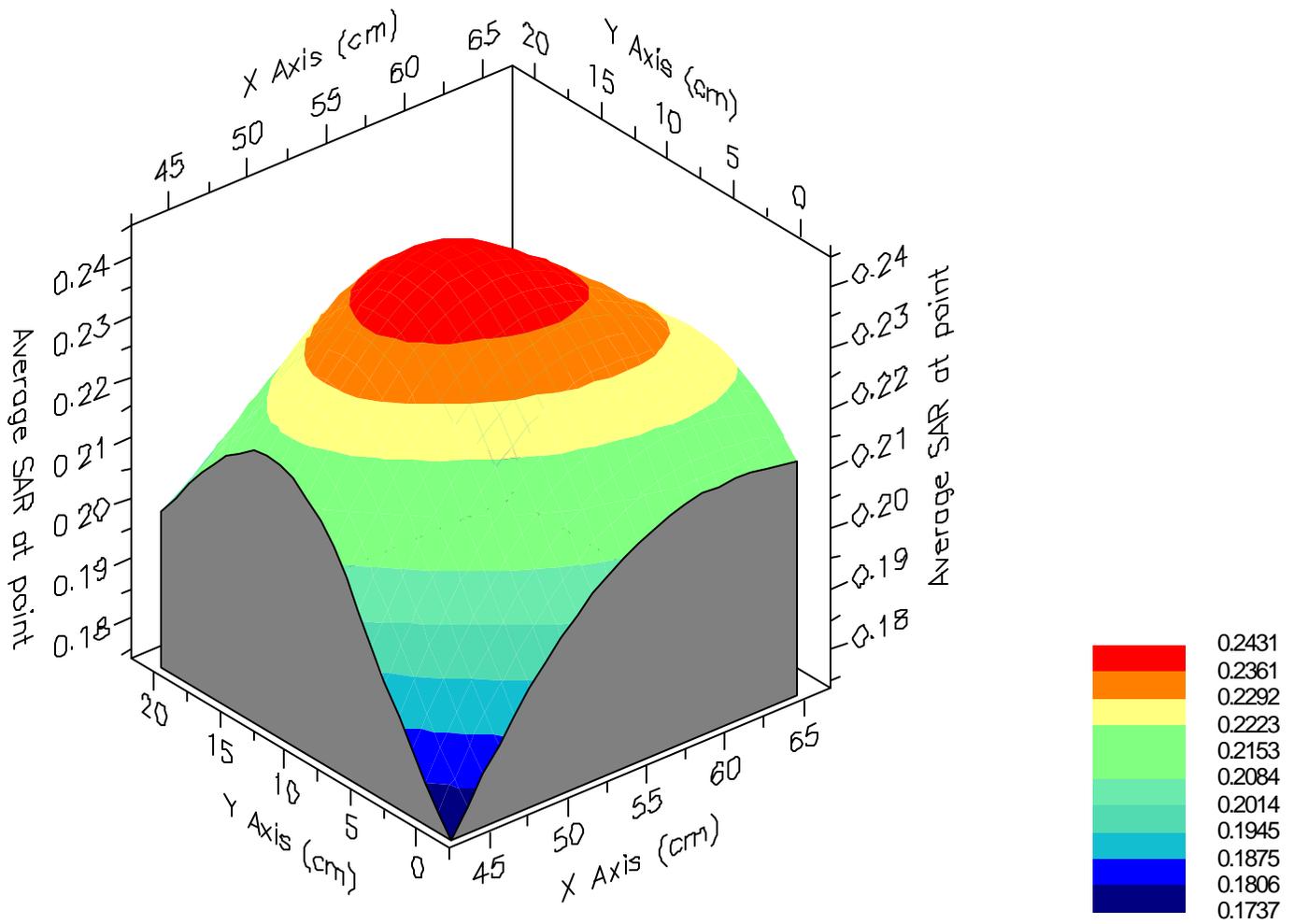
SAR - Z Axis
at Hotspot x:53.0 y:12.0

1g SAR Values

SAR Data Report 02112519

      Start   : 25-Nov-02 12:14:41 pm
      End   : 25-Nov-02 12:20:57 pm
      Code Version : 4.08
      Robot Version: 4.08

Product Data:
   Type   : SAMSUNG
   Model Number   : SCH-A530
   Serial Number   : F1BEA329
   Frequency   : 1880.00 MHz
   Transmit Pwr   : 0.320 W
   Antenna Type   : Helical
   Antenna Posn.   : In

Measurement Data:
   Phantom Name   : SAM RIGHT-3
   Phantom Type   : Right Ear
   Tissue Type   : Brain
   Tissue Dielectric   : 40.400
   Tissue Conductivity : 1.380
   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
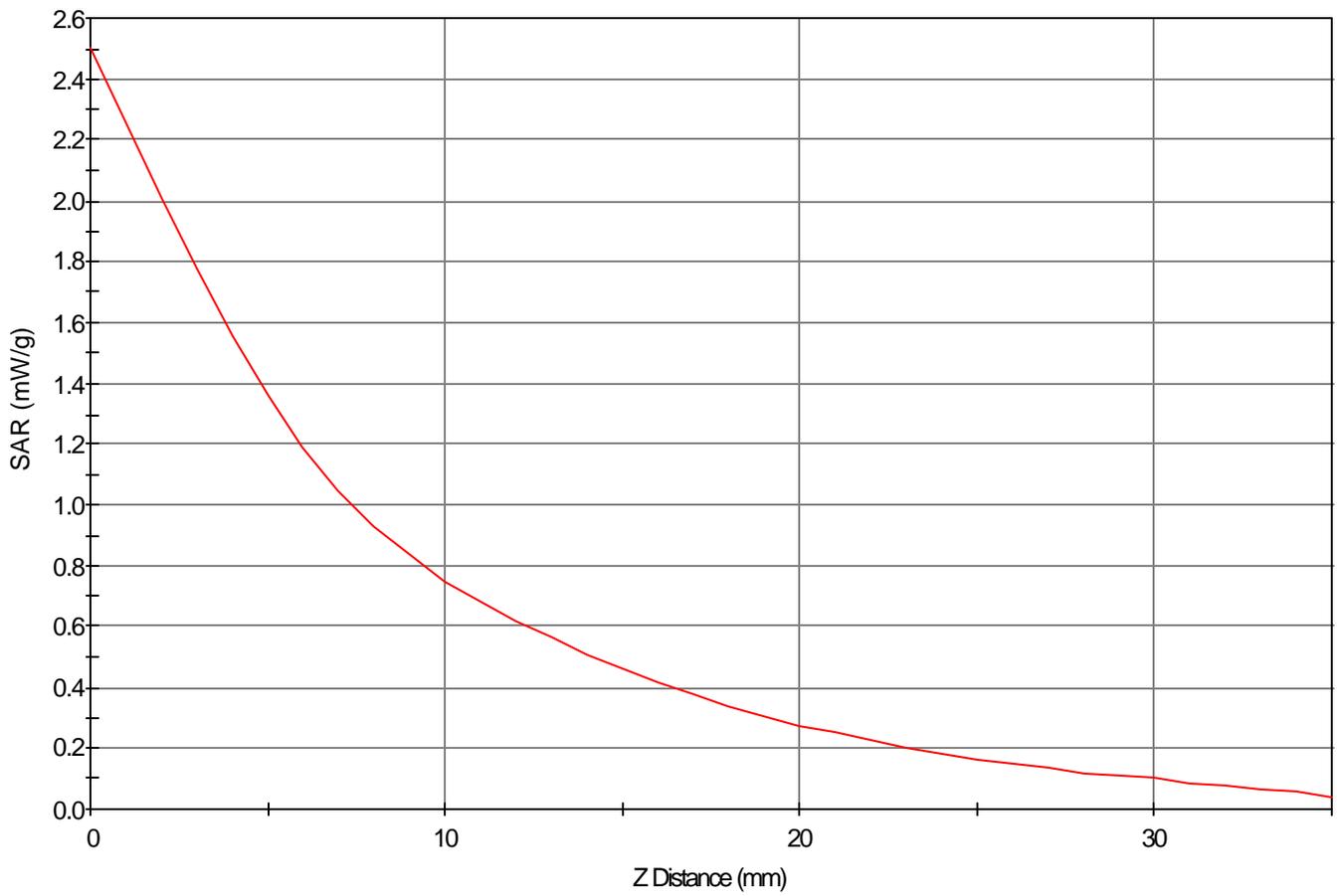   CF=1; Amb. Temp= 22.2 'C; Liq. Temp=22.1 'C

Area Scan - Max Peak SAR Value at x=65.0 y=9.0 = 1.33 W/kg

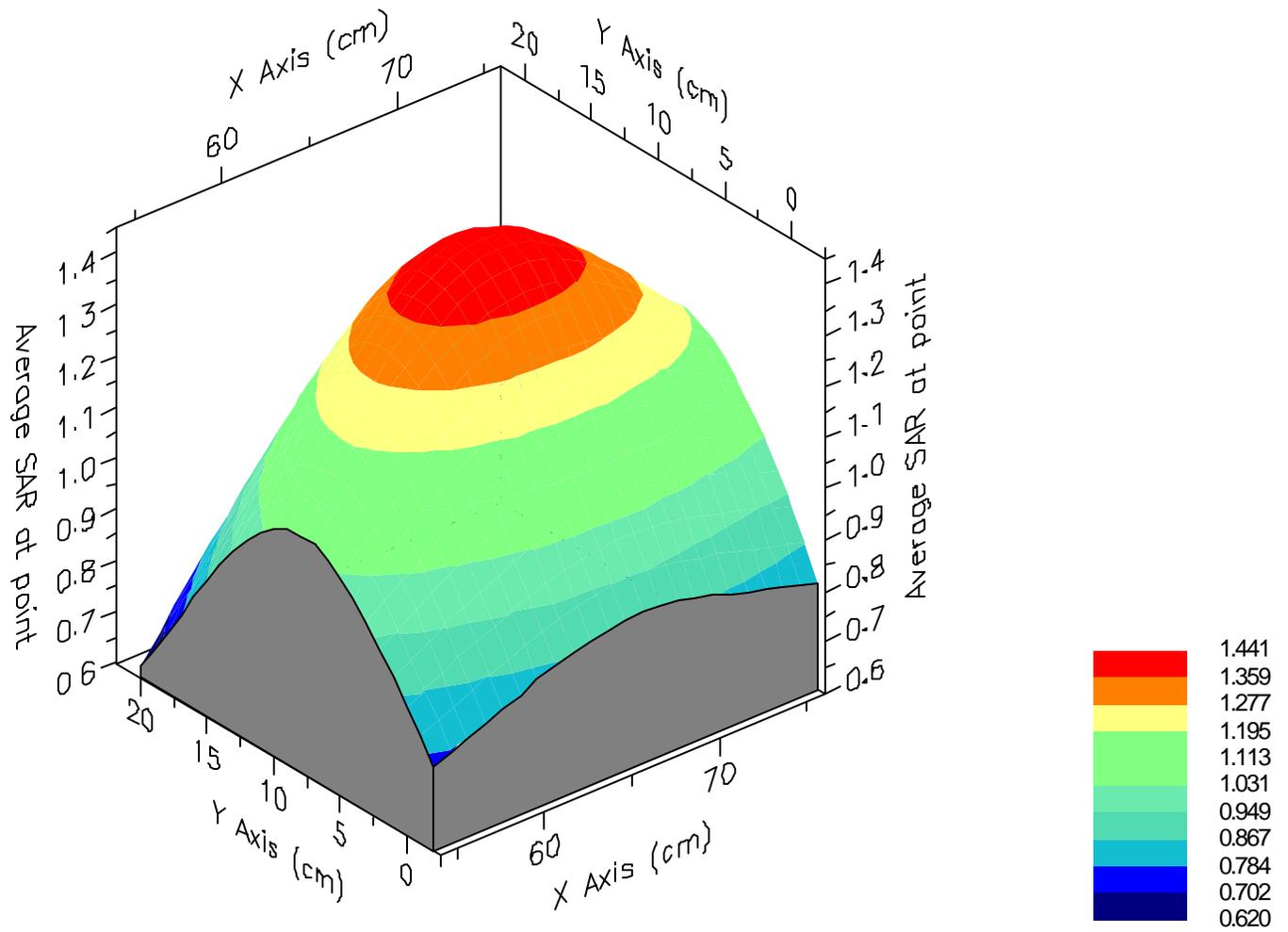Zoom Scan - Max Peak SAR Value at x=65.0 y=10.0 z=0.0 = 2.50 W/kg

Max 1g SAR at x=66.0 y=10.0 z=0.0 = 1.44 W/kg

Max 10g SAR at x=68.0 y=10.0 z=0.0 = 0.75 W/kg

SAR - Z Axis
at Hotspot x:65.0 y:10.0

1g SAR Values

■	1.441
■	1.359
■	1.277
■	1.195
■	1.113
■	1.031
■	0.949
■	0.867
■	0.784
■	0.702
■	0.620

```
SAR Data Report 02112520


   Start        : 25-Nov-02 12:26:04 pm
   End          : 25-Nov-02 12:35:37 pm
   Code Version : 4.08
   Robot Version: 4.08


Product Data:
   Type            : SAMSUNG
   Model Number    : SCH-A530
   Serial Number   : F1BEA329
   Frequency       : 1880.00 MHz
   Transmit Pwr    : 0.320 W
   Antenna Type    : Helical
   Antenna Posn.   : In


Measurement Data:
   Phantom Name        : SAM RIGHT-3
   Phantom Type        : Right Ear
   Tissue Type         : Brain
   Tissue Dielectric   : 40.400
   Tissue Conductivity : 1.380
   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= 22.2 'C; Liq. Temp=22.1 'C




Area Scan - Max Peak SAR Value at x=84.0 y=5.0 = 0.26 W/kg

Zoom Scan - Max Peak SAR Value at x=74.0 y=21.0 z=0.0 = 0.58 W/kg

Max 1g SAR at x=76.0 y=-2.0 z=0.0 = 0.24 W/kg

Max 10g SAR at x=82.0 y=0.0 z=0.0 = 0.11 W/kg
```
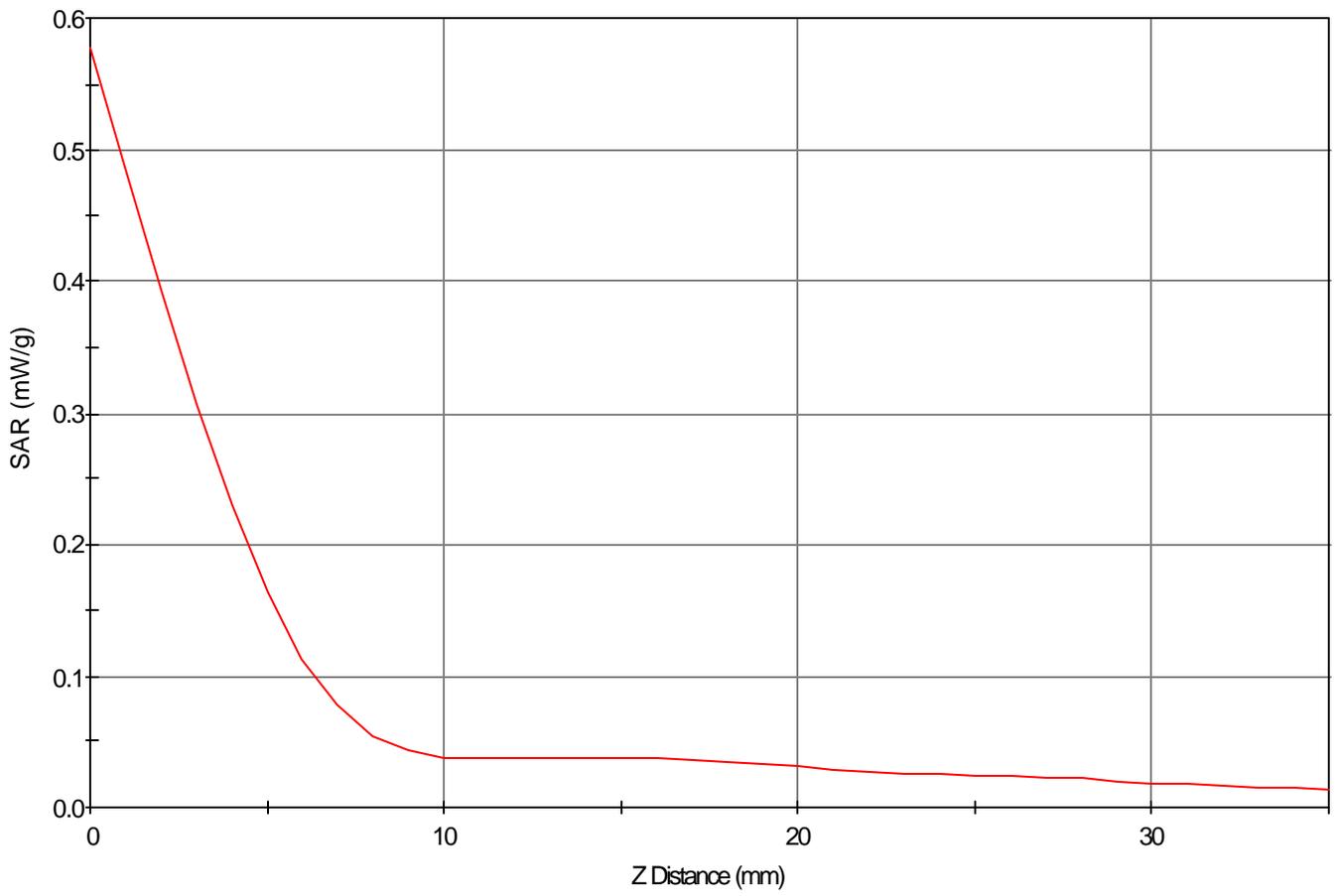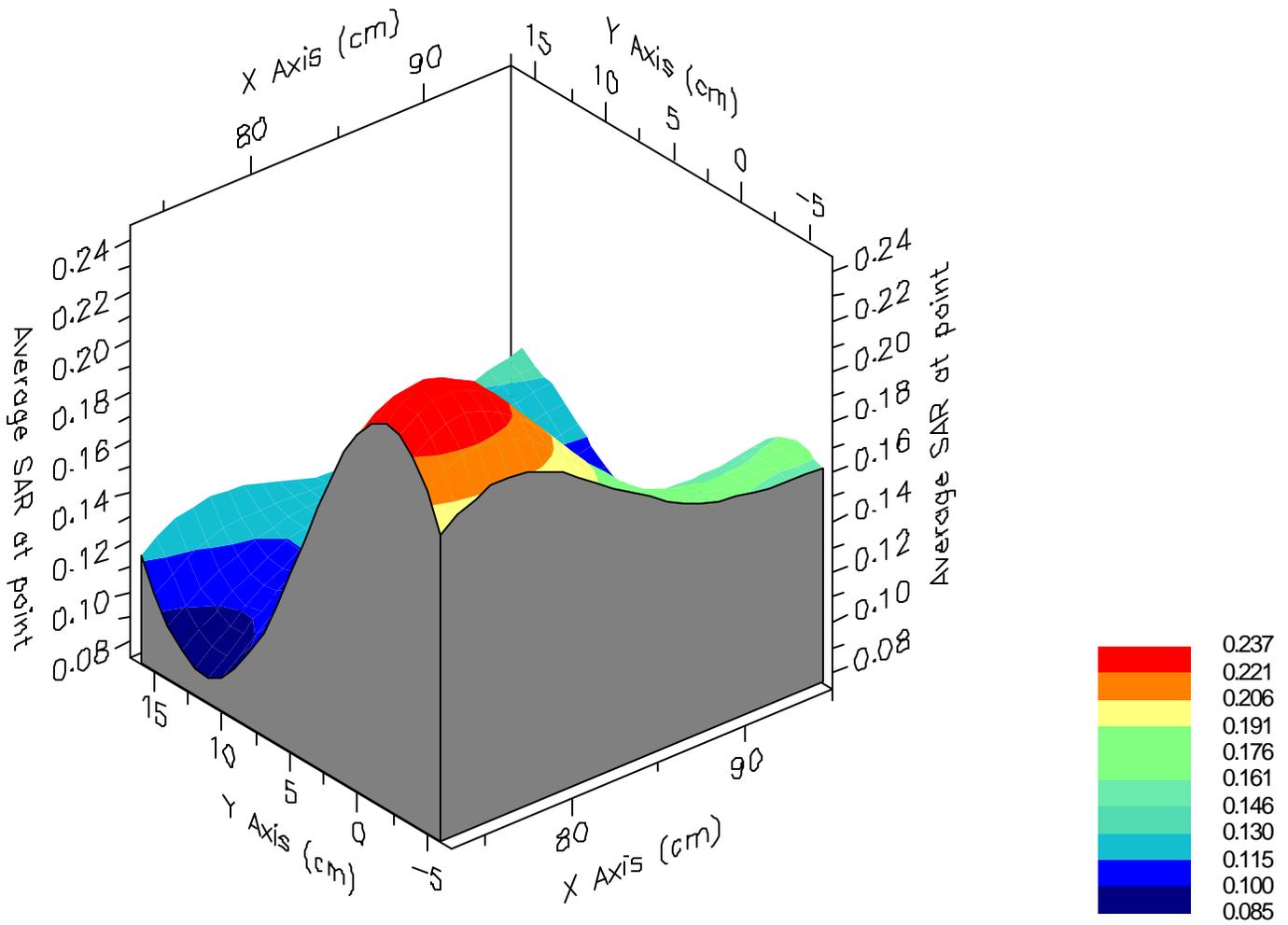
SAR - Z Axis
at Hotspot x:74.0 y:21.0

1g SAR Values

```
SAR Data Report 02112508


    Start        : 25-Nov-02 10:26:01 am
    End          : 25-Nov-02 10:33:46 am
    Code Version : 4.08
    Robot Version: 4.08

Product Data:
    Type            : SAMSUNG
    Model Number    : SCH-A530
    Serial Number   : F1BEA329
    Frequency       : 1880.00 MHz
    Transmit Pwr    : 0.320 W
    Antenna Type    : Helical
    Antenna Posn.   : In

Measurement Data:
    Phantom Name        : SAM LEFT-3
    Phantom Type        : Left Ear
    Tissue Type         : Brain
    Tissue Dielectric   : 40.400
    Tissue Conductivity : 1.380
    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= 22.2 'C; Liq. Temp=22.1 'C




Area Scan - Max Peak SAR Value at x=75.0 y=-2.0 = 1.34 W/kg

Zoom Scan - Max Peak SAR Value at x=70.0 y=2.0 z=0.0 = 2.21 W/kg

Max 1g SAR at x=72.0 y=1.0 z=0.0 = 1.39 W/kg

Max 10g SAR at x=80.0 y=-3.0 z=0.0 = 0.81 W/kg
```
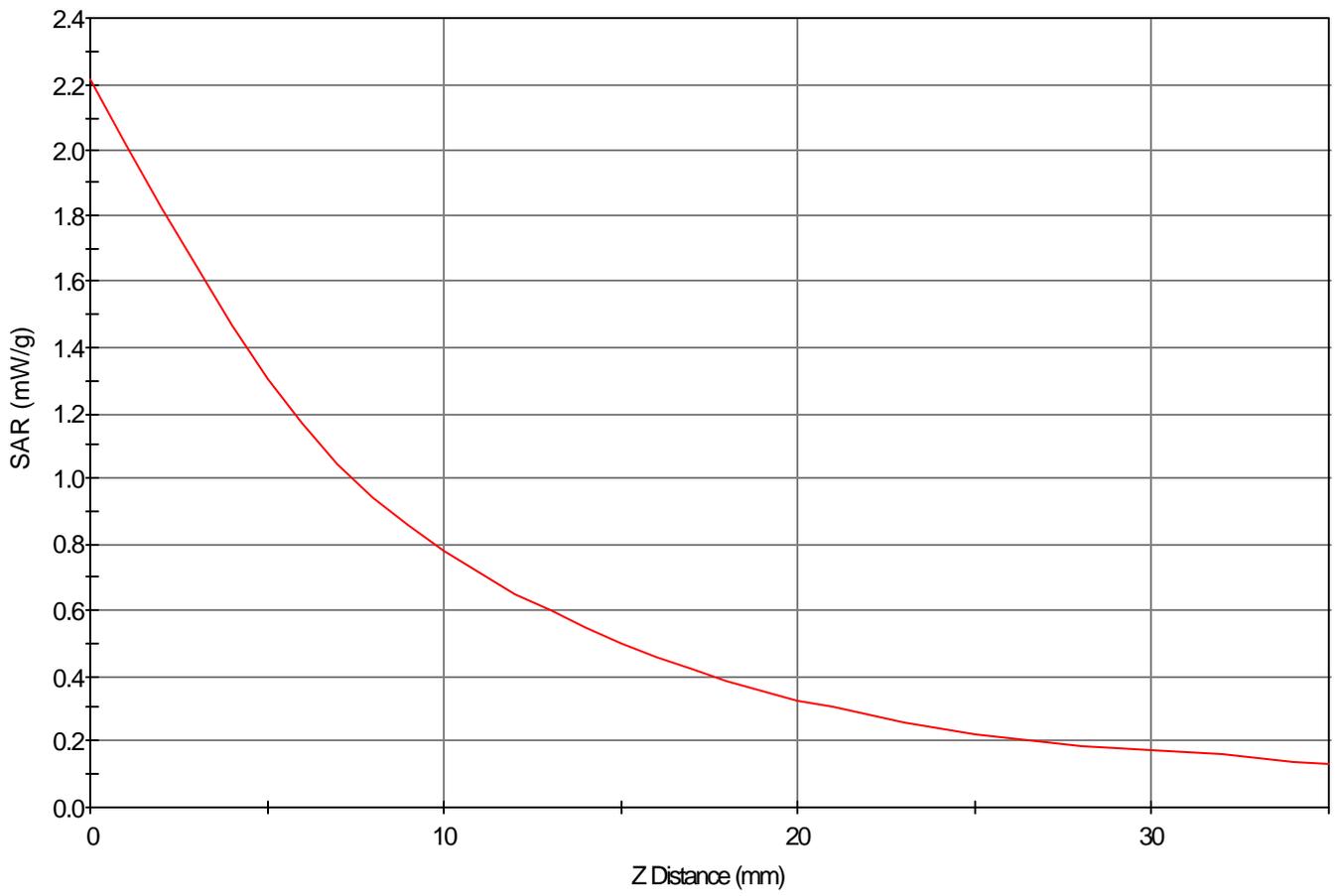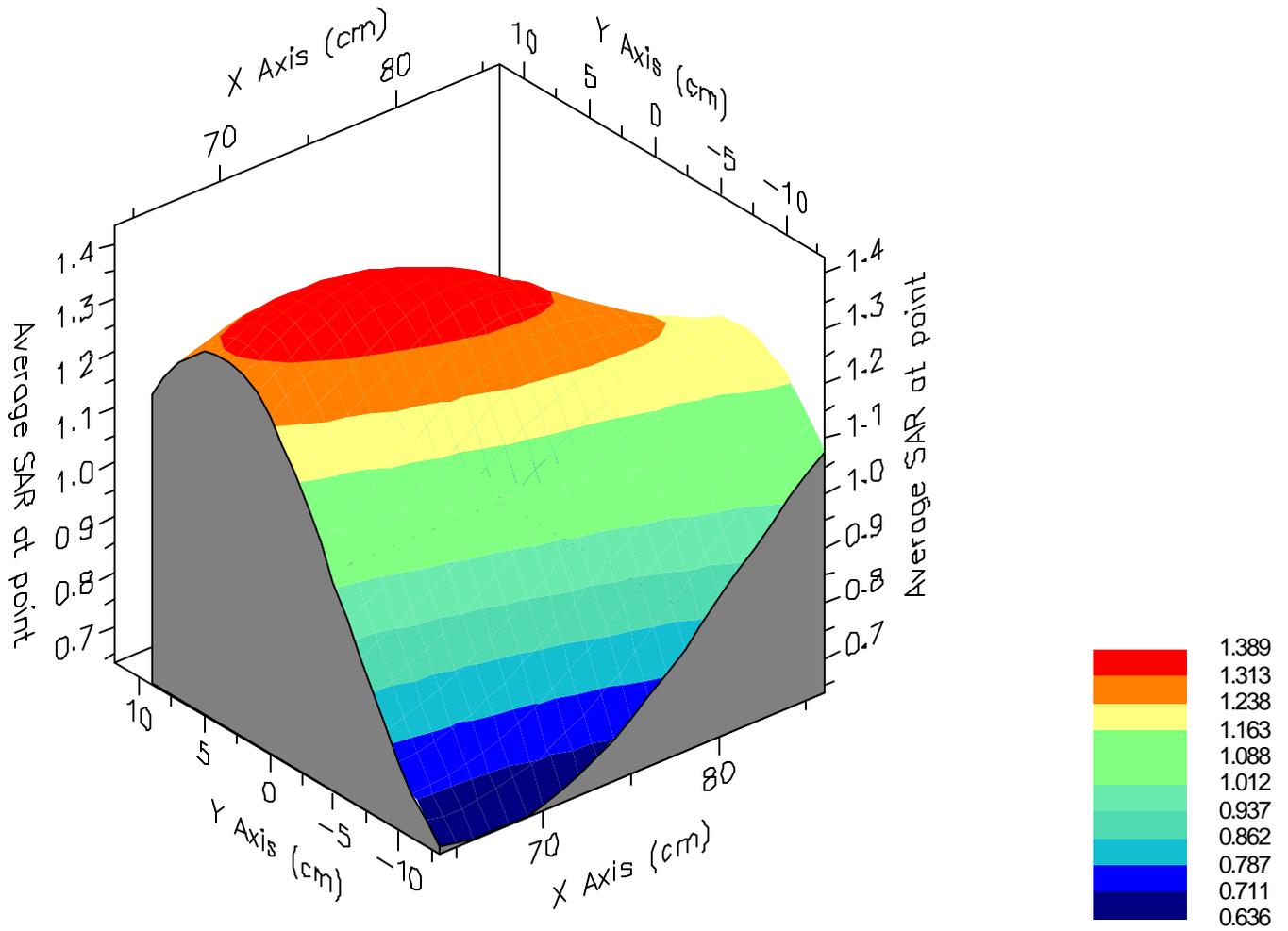
SAR - Z Axis
at Hotspot x:70.0 y:2.0

1g SAR Values

X Axis (cm)

Y Axis (cm)

Average SAR at point

Y Axis (cm)

X Axis (cm)

Average SAR at point

■	1.389
■	1.313
■	1.238
■	1.163
■	1.088
■	1.012
■	0.937
■	0.862
■	0.787
■	0.711
■	0.636

```
SAR Data Report 02112510


   Start        : 25-Nov-02 10:46:07 am
   End          : 25-Nov-02 10:52:18 am
   Code Version : 4.08
   Robot Version: 4.08


Product Data:
   Type             : SAMSUNG
   Model Number     : SCH-A530
   Serial Number    : F1BEA329
   Frequency        : 1880.00 MHz
   Transmit Pwr     : 0.320 W
   Antenna Type     : Helical
   Antenna Posn.    : In


Measurement Data:
   Phantom Name        : SAM LEFT-3
   Phantom Type        : Left Ear
   Tissue Type         : Brain
   Tissue Dielectric   : 40.400
   Tissue Conductivity : 1.380
   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= 22.2 'C; Liq. Temp=22.1 'C




Area Scan - Max Peak SAR Value at x=5.0 y=4.0 = 0.15 W/kg

Zoom Scan - Max Peak SAR Value at x=6.0 y=5.0 z=0.0 = 0.27 W/kg

Max 1g SAR at x=8.0 y=6.0 z=0.0 = 0.16 W/kg

Max 10g SAR at x=8.0 y=6.0 z=0.0 = 0.09 W/kg
```
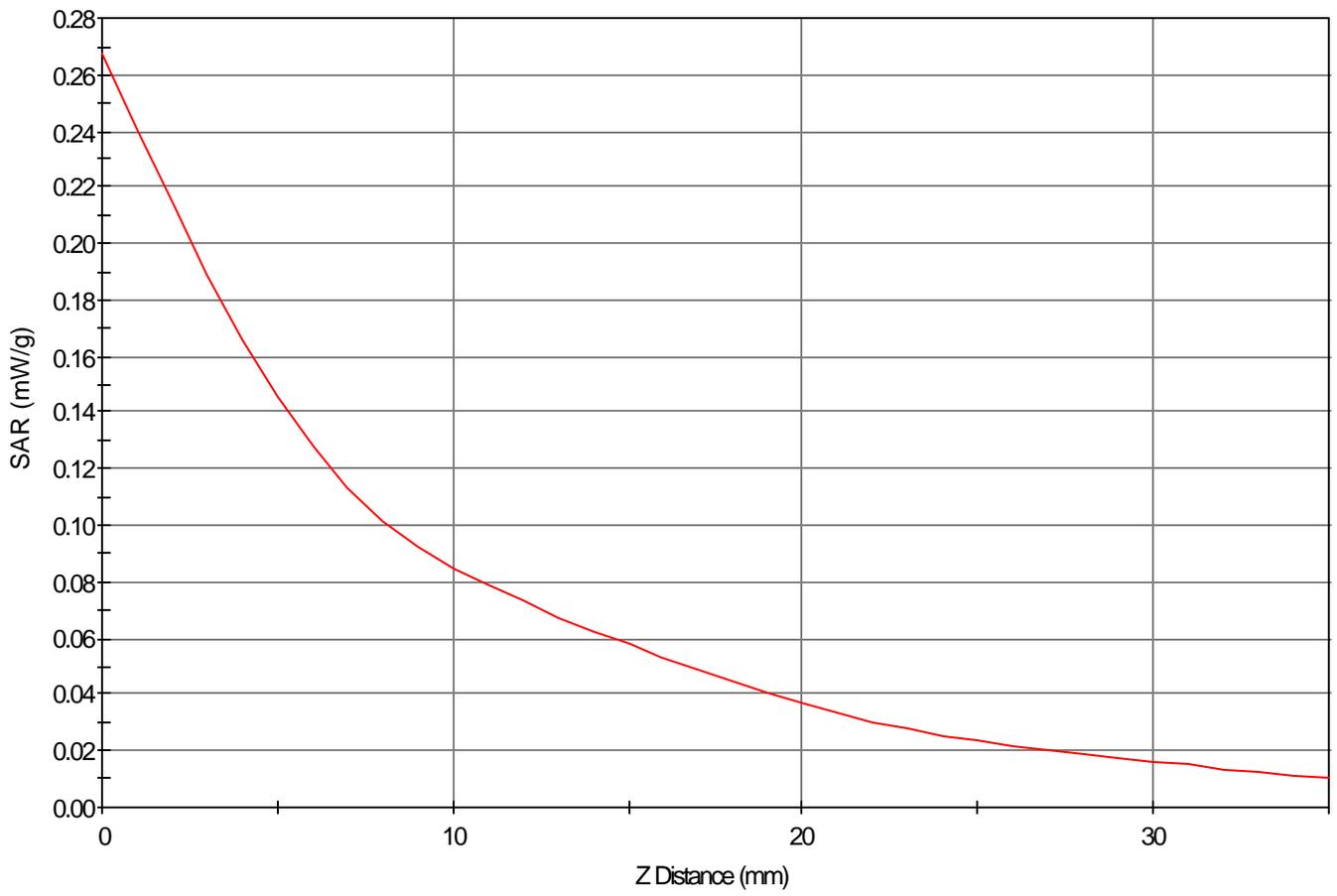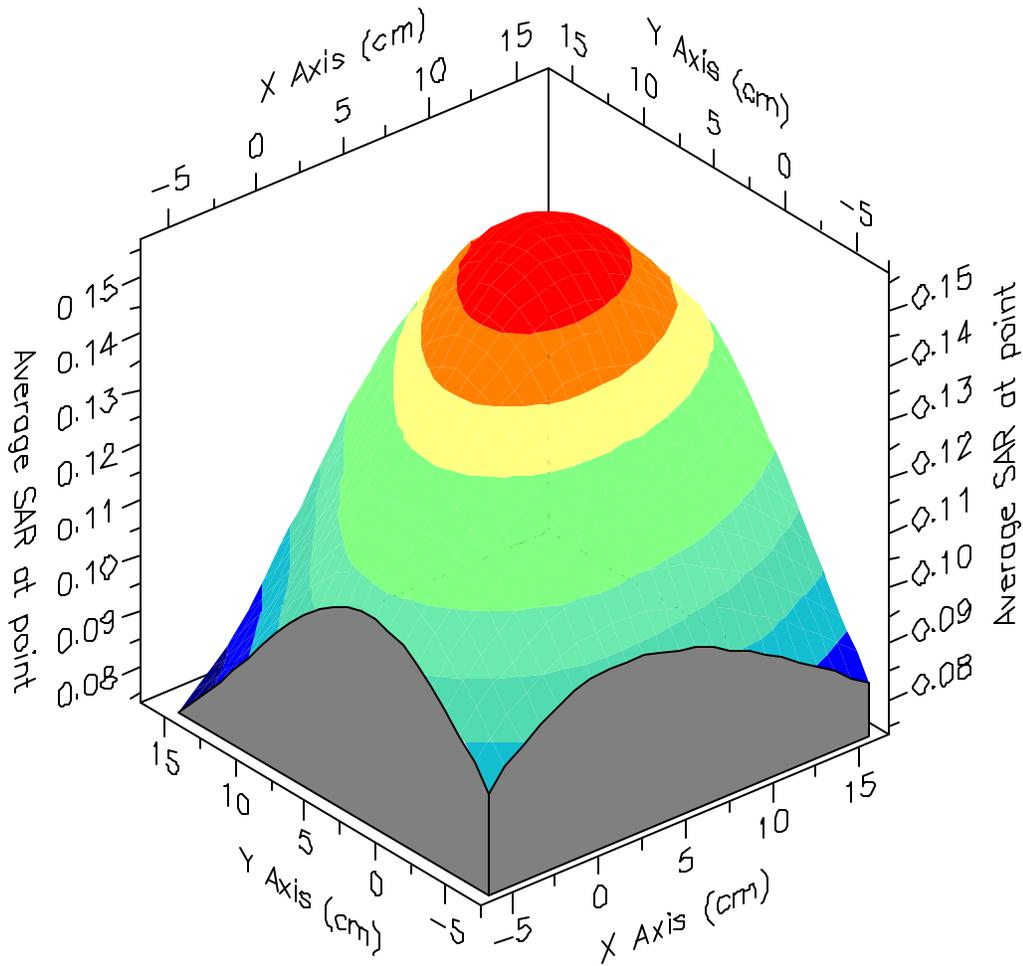
SAR - Z Axis
at Hotspot x:6.0 y:5.0

1g SAR Values

```
SAR Data Report 02112637


   Start        : 26-Nov-02 04:34:20 pm
   End          : 26-Nov-02 04:40:37 pm
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : SAMSUNG
   Model Number    : SCH-A530
   Serial Number   : F1BEB362
   Frequency       : 835.89 MHz
   Transmit Pwr    : 0.355 W
   Antenna Type    : Helical
   Antenna Posn.   : In

Measurement Data:
   Phantom Name        : SAM FLAT
   Phantom Type        : Uniphantom
   Tissue Type         : Muscle
   Tissue Dielectric   : 54.000
   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-363
   Body
   CF=1; Amb. Temp= 22.2 'C; Liq. Temp=22.1 'C




Area Scan - Max Peak SAR Value at x=3.0 y=-10.0 = 1.12 W/kg

Zoom Scan - Max Peak SAR Value at x=3.0 y=-9.0 z=0.0 = 1.71 W/kg

Max 1g SAR at x=4.0 y=-10.0 z=0.0 = 1.10 W/kg

Max 10g SAR at x=4.0 y=-11.0 z=0.0 = 0.69 W/kg
```
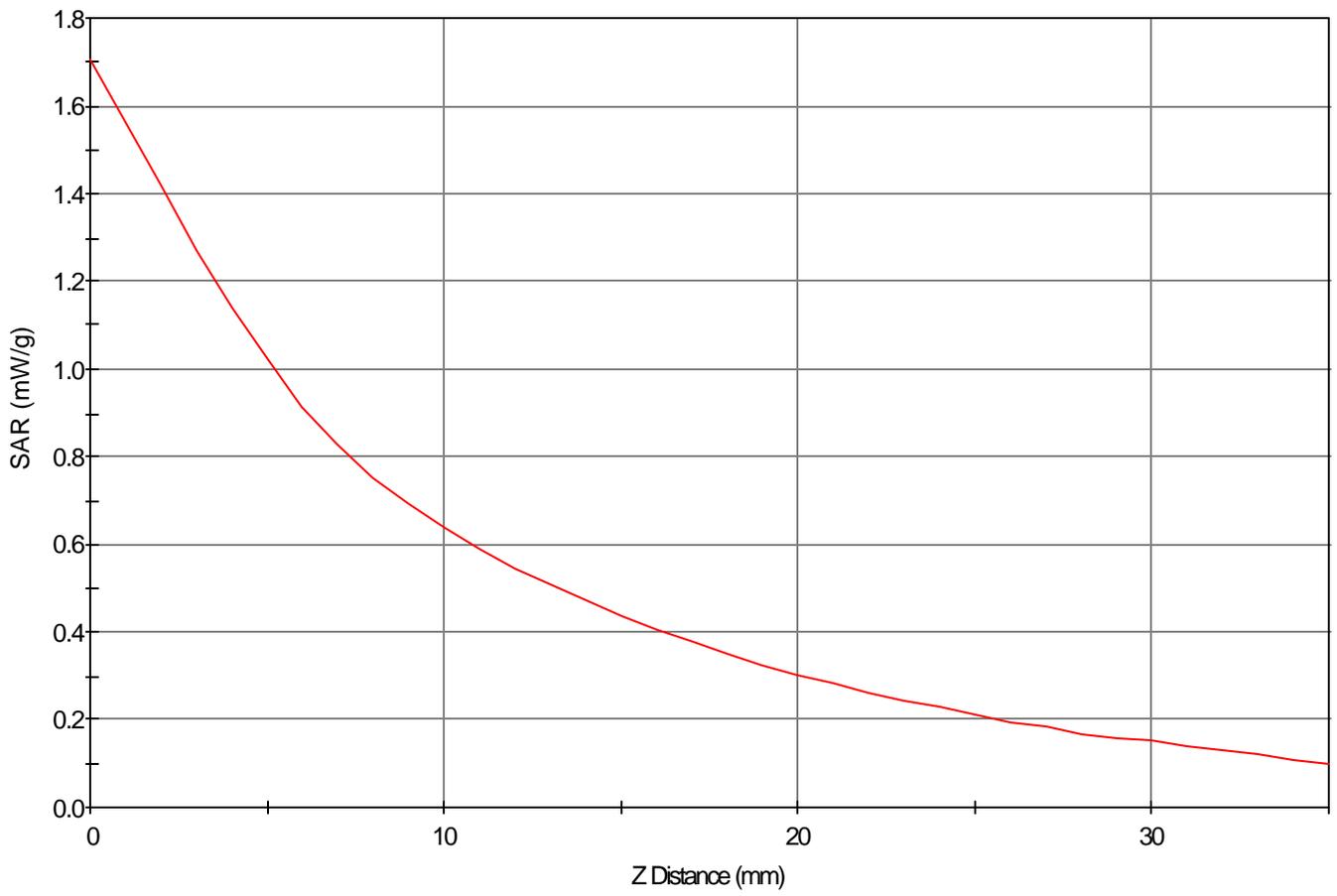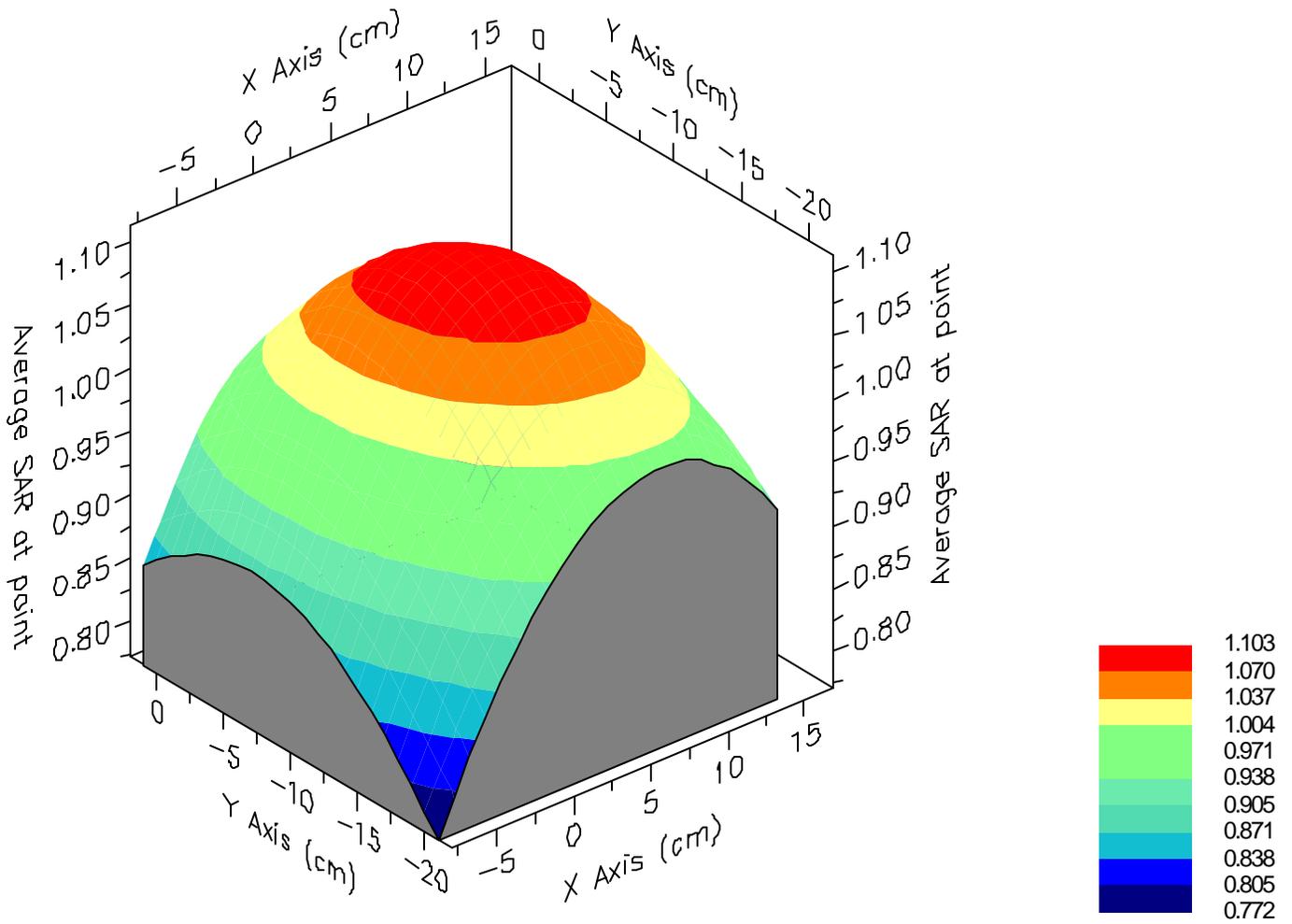
SAR - Z Axis
at Hotspot x:3.0 y:-9.0

1g SAR Values

```
SAR Data Report 02112631


   Start        : 26-Nov-02 03:40:08 pm
   End          : 26-Nov-02 03:46:26 pm
   Code Version : 4.08
   Robot Version: 4.08


Product Data:
   Type            : SAMSUNG
   Model Number    : SCH-A530
   Serial Number   : F1BEB362
   Frequency       : 1851.25 MHz
   Transmit Pwr    : 0.355 W
   Antenna Type    : Helical
   Antenna Posn.   : Out


Measurement Data:
   Phantom Name        : SAM FLAT
   Phantom Type        : Uniphantom
   Tissue Type         : Muscle
   Tissue Dielectric   : 54.800
   Tissue Conductivity : 1.500
   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-25
   Body
   CF=1; Amb. Temp= 22.2 'C; Liq. Temp=22.1 'C




Area Scan - Max Peak SAR Value at x=-6.0 y=34.0 = 1.23 W/kg

Zoom Scan - Max Peak SAR Value at x=-6.0 y=34.0 z=0.0 = 2.58 W/kg

Max 1g SAR at x=-5.0 y=35.0 z=0.0 = 1.39 W/kg

Max 10g SAR at x=-5.0 y=35.0 z=0.0 = 0.71 W/kg
```
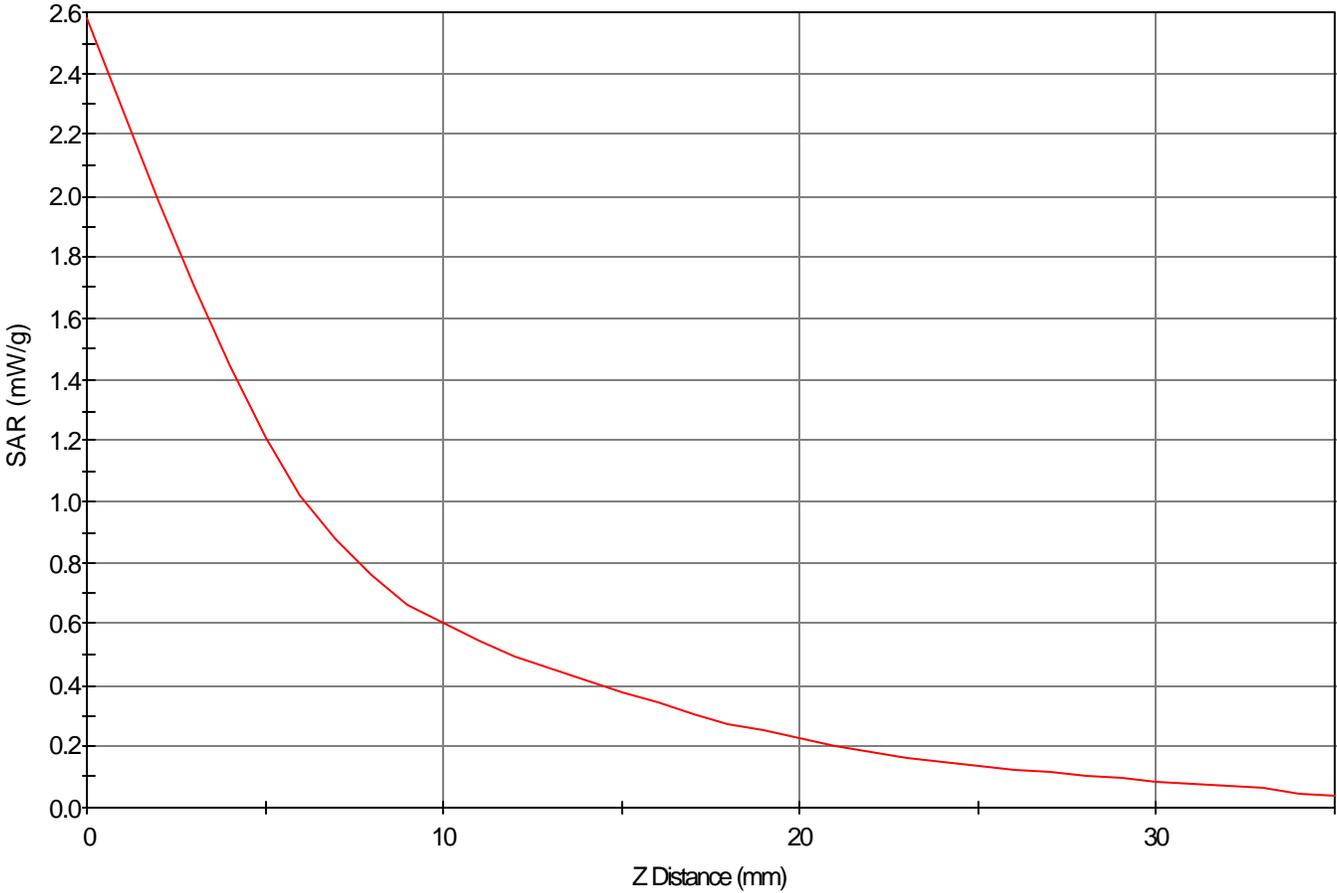
SAR - Z Axis
at Hotspot x:-6.0 y:34.0

1g SAR Values

	1.386
	1.320
	1.254
	1.188
	1.122
	1.056
	0.990
	0.924
	0.858
	0.792
	0.726