# APPENDIX A: SAR TEST DATA

```
SAR Data Report 05021606


   Start       : 16-Feb-05 11:06:37 am
   End         : 16-Feb-05 11:12:34 am
   Code Version : 4.08
   Robot Version: 4.08


Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 848.80 MHz
   Transmit Pwr    : 2.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal


Measurement Data:
   Phantom Name       : SAM-RIGHT
   Phantom Type       : Right Ear
   Tissue Type        : Brain
   Tissue Dielectric  : 40.150
   Tissue Conductivity : 0.890
   Tissue Density     : 1.000
   Robot Name         : CRS


Probe Data:
   Probe Name          : PCT005
   Probe Type          : E Fld Triangle
   Frequency           : 835 MHz
   Tissue Type         : Brain
   Calibrated Dielectric  : 40.810
   Calibrated Conductivity :  0.870
   Calibrated Density     :  1.000
   Probe Offset        :  1.600 mm
   Conversion Factor   :  5.500
   Probe Sensitivity :  3.807   3.736   3.821   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00


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


Comments:
   GSM MODE CH-251
   CHEEK
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C



Power Drop Test:
   Reading @ start  = 0.518
   Reading @ End    = 0.518
   Power at End     = 100.0%



Area Scan - Max Peak SAR Value at x=13.0 y=-1.0 = 0.51 W/kg


Zoom Scan - Max Peak SAR Value at x=14.0 y=7.0 z=0.0 = 2.05 W/kg


Max 1g SAR at x=14.0 y=7.0 z=0.0 = 0.65 W/kg


Max 10g SAR at x=18.0 y=1.0 z=0.0 = 0.35 W/kg
```
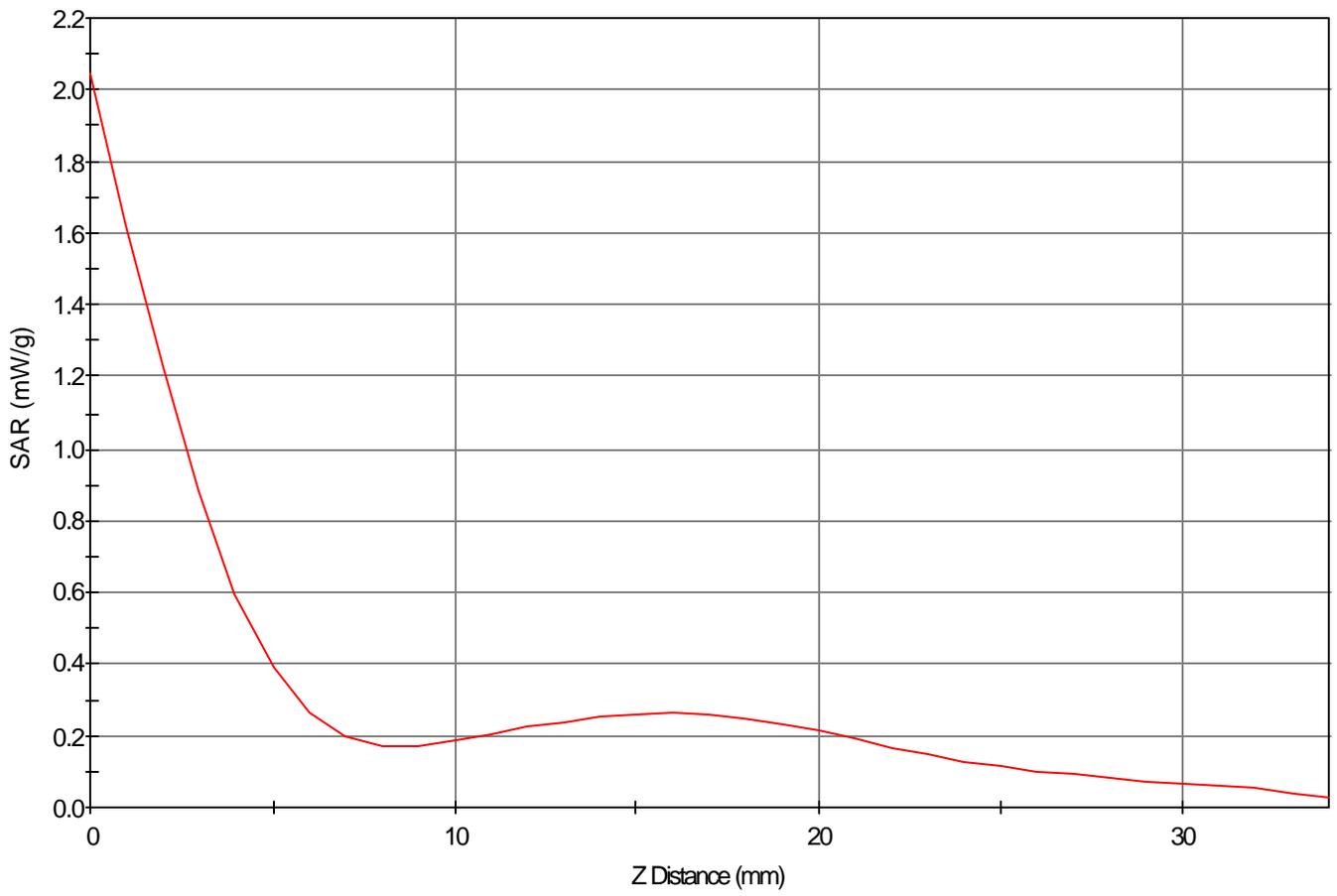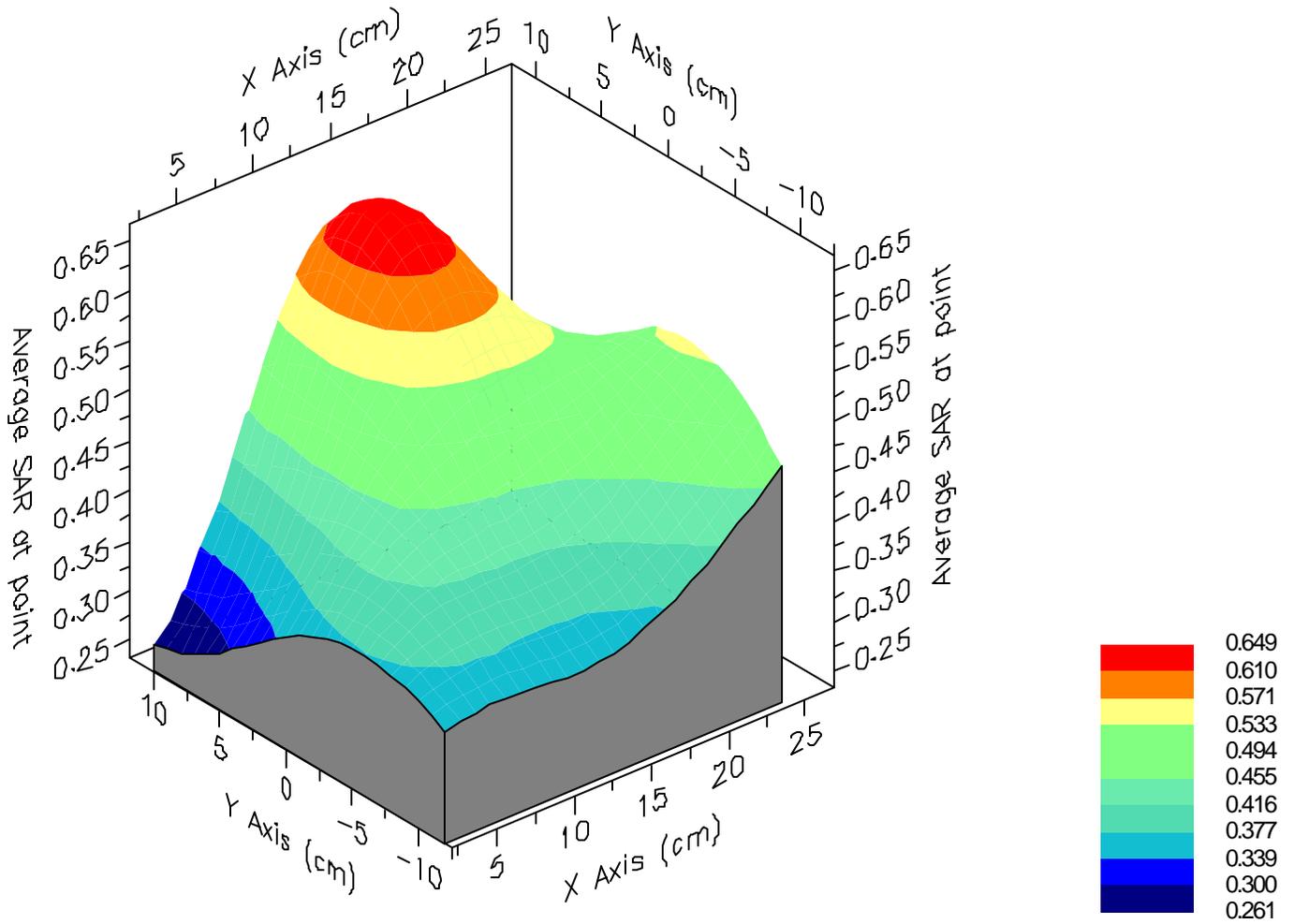
SAR - Z Axis
at Hotspot x:14.0 y:7.0

1g SAR Values

| | |
|---|---|
| | 0.649 |
| | 0.610 |
| | 0.571 |
| | 0.533 |
| | 0.494 |
| | 0.455 |
| | 0.416 |
| | 0.377 |
| | 0.339 |
| | 0.300 |
| | 0.261 |

```
SAR Data Report 05021609


   Start        : 16-Feb-05 11:23:42 am
   End          : 16-Feb-05 11:29:40 am
   Code Version : 4.08
   Robot Version: 4.08


Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 848.80 MHz
   Transmit Pwr    : 2.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal


Measurement Data:
   Phantom Name        : SAM-RIGHT
   Phantom Type        : Right Ear
   Tissue Type         : Brain
   Tissue Dielectric   : 40.150
   Tissue Conductivity : 0.890
   Tissue Density      : 1.000
   Robot Name          : CRS


Probe Data:
   Probe Name            : PCT005
   Probe Type            : E Fld Triangle
   Frequency             : 835 MHz
   Tissue Type           : Brain
   Calibrated Dielectric : 40.810
   Calibrated Conductivity : 0.870
   Calibrated Density    : 1.000
   Probe Offset          : 1.600 mm
   Conversion Factor     : 5.500
   Probe Sensitivity :  3.807   3.736   3.821   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00


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


Comments:
   GSM MODE CH-251
   CHEEK - SLIDE OUT
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C



Power Drop Test:
   Reading @ start  = 0.110
   Reading @ End    = 0.131
   Power at End     = 100.7%



Area Scan - Max Peak SAR Value at x=63.0 y=1.0 = 0.36 W/kg


Zoom Scan - Max Peak SAR Value at x=58.0 y=3.0 z=0.0 = 0.93 W/kg


Max 1g SAR at x=58.0 y=4.0 z=0.0 = 0.43 W/kg


Max 10g SAR at x=58.0 y=3.0 z=0.0 = 0.25 W/kg
```
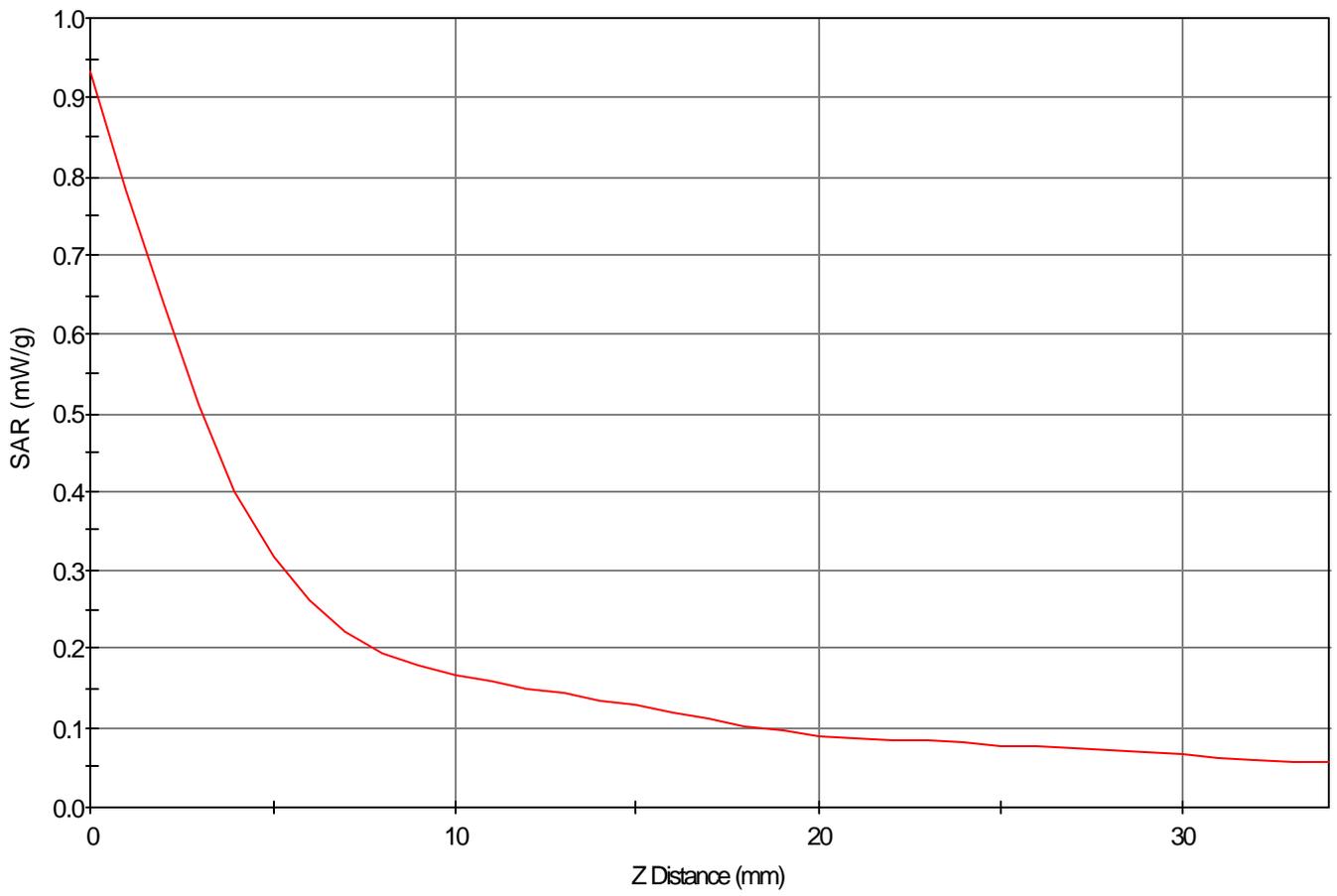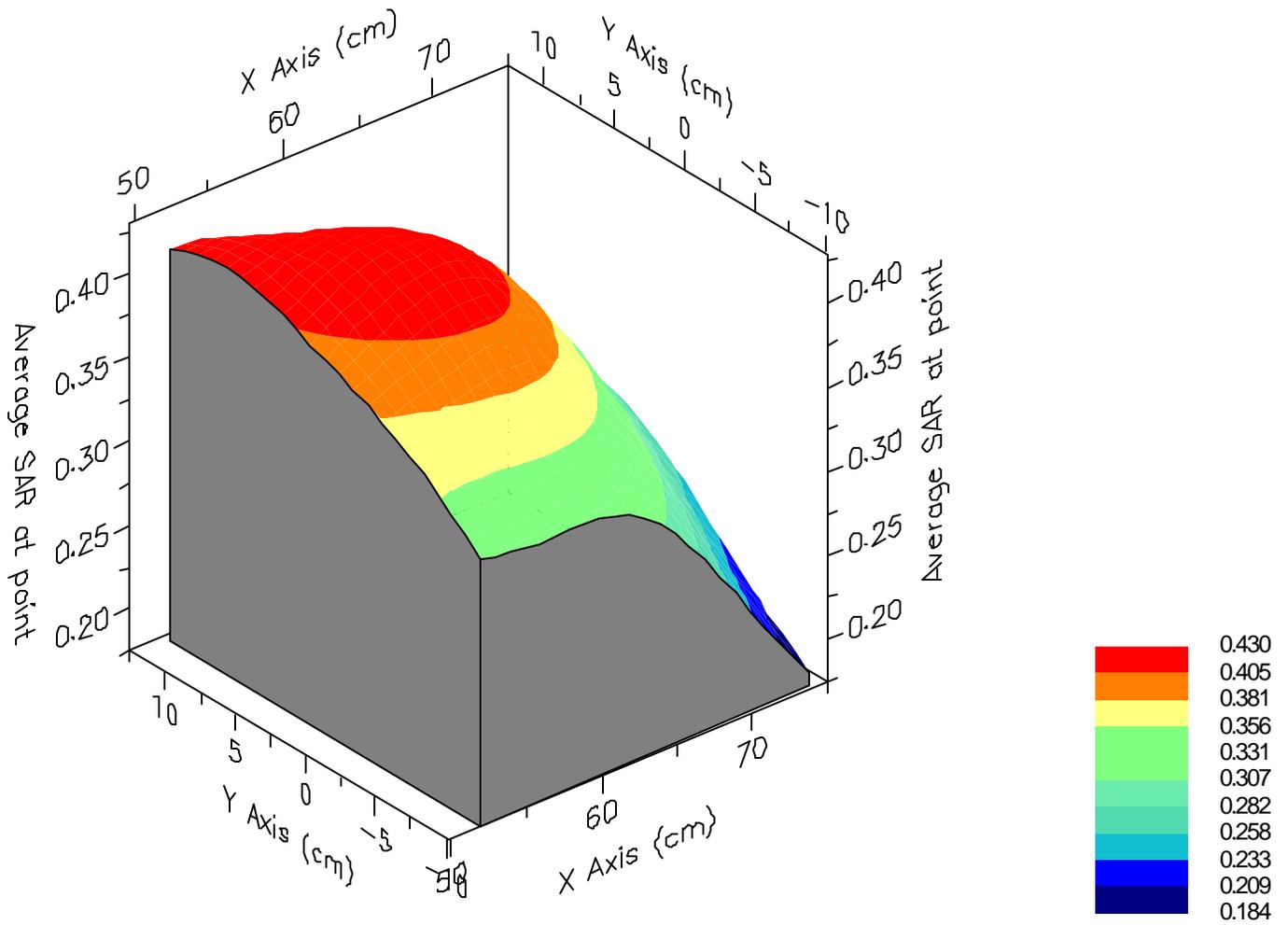
SAR - Z Axis
at Hotspot x:58.0 y:3.0

# 1g SAR Values



X Axis (cm)

Y Axis (cm)

Average SAR at point

Average SAR at point

X Axis (cm)

Y Axis (cm)

0.430
0.405
0.381
0.356
0.331
0.307
0.282
0.258
0.233
0.209
0.184

```
SAR Data Report 05021619


   Start         : 16-Feb-05 02:59:39 pm
   End           : 16-Feb-05 03:05:41 pm
   Code Version  : 4.08
   Robot Version : 4.08

Product Data:
   Type             : LGE
   Model Number     : F7200
   Serial Number    : 00103500016998000
   Frequency        : 848.80 MHz
   Transmit Pwr     : 2.000 W
   Antenna Type     : Helical
   Antenna Posn.    : Internal

Measurement Data:
   Phantom Name        : SAM-RIGHT
   Phantom Type        : Right Ear
   Tissue Type         : Brain
   Tissue Dielectric   : 40.150
   Tissue Conductivity : 0.890
   Tissue Density      : 1.000
   Robot Name          : CRS

Probe Data:
   Probe Name           : PCT005
   Probe Type           : E Fld Triangle
   Frequency            : 835 MHz
   Tissue Type          : Brain
   Calibrated Dielectric   : 40.810
   Calibrated Conductivity :  0.870
   Calibrated Density      :  1.000
   Probe Offset         :  1.600 mm
   Conversion Factor    :  5.500
   Probe Sensitivity :  3.807   3.736   3.821   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00

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

Comments:
   GSM MODE CH-251
   TILT
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C


Power Drop Test:
   Reading @ start  = 0.523
   Reading @ End    = 0.589
   Power at End     = 112.5%


Area Scan - Max Peak SAR Value at x=35.0 y=7.0 = 0.41 W/kg

Zoom Scan - Max Peak SAR Value at x=34.0 y=-9.0 z=0.0 = 1.48 W/kg

Max 1g SAR at x=31.0 y=-4.0 z=0.0 = 0.53 W/kg

Max 10g SAR at x=33.0 y=2.0 z=0.0 = 0.29 W/kg
```
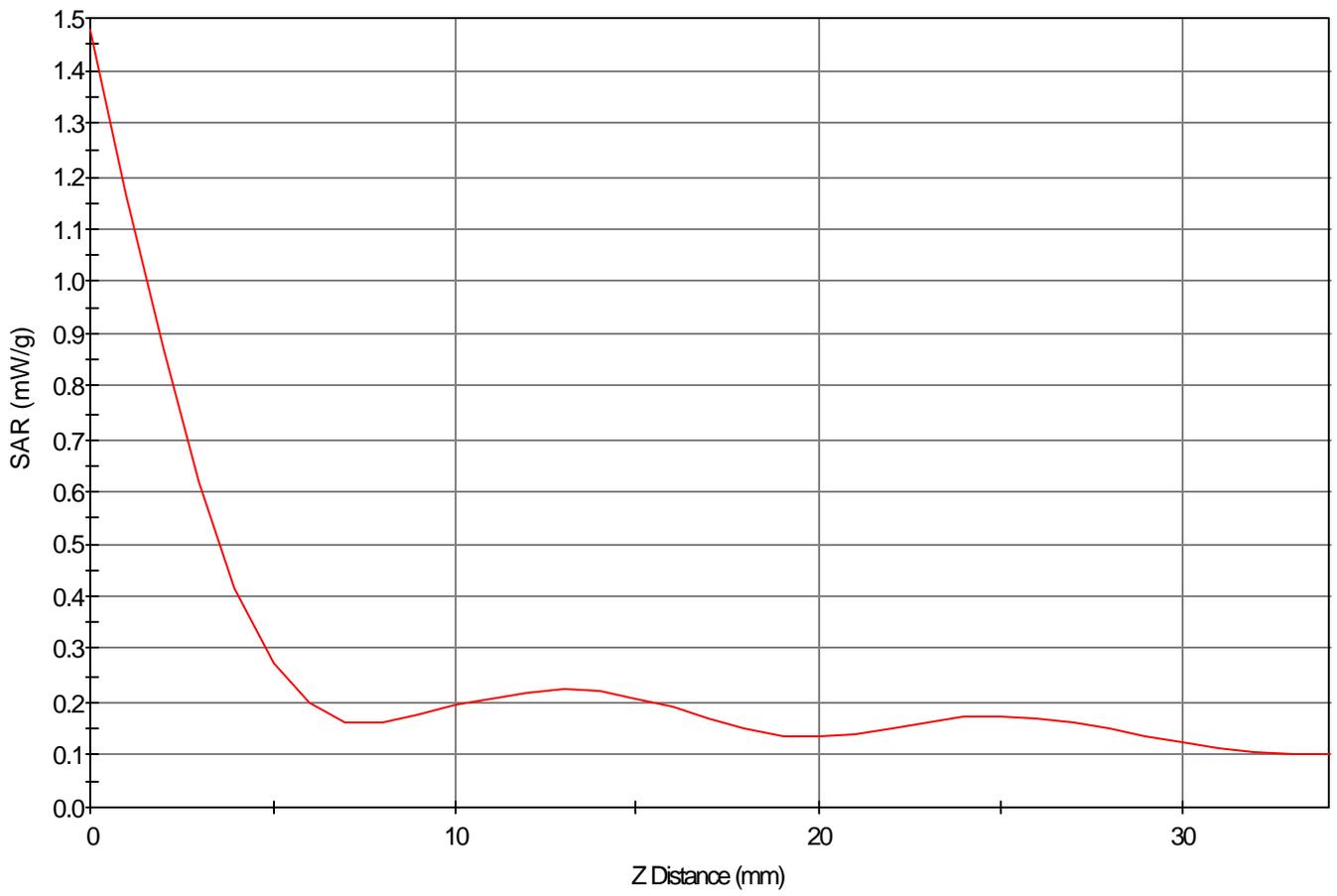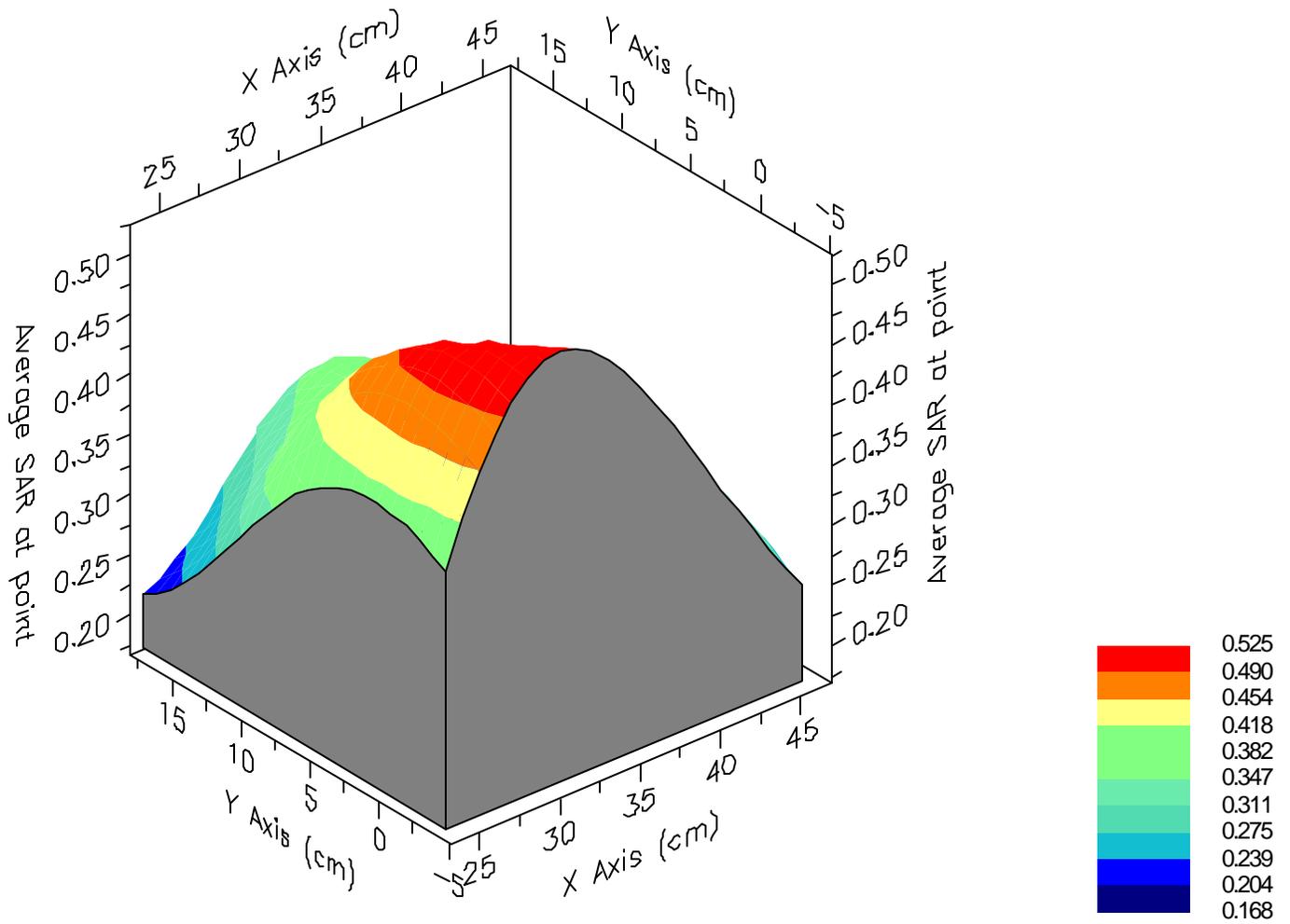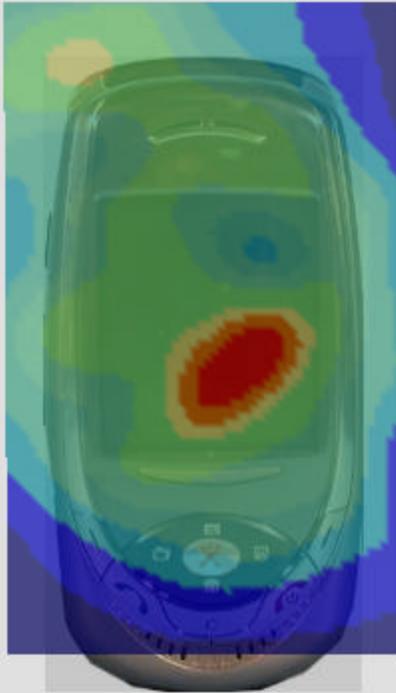
SAR - Z Axis
at Hotspot x:34.0 y:-9.0

1g SAR Values

```
SAR Data Report 05021617


   Start        : 16-Feb-05 02:29:24 pm
   End          : 16-Feb-05 02:35:25 pm
   Code Version : 4.08
   Robot Version: 4.08


Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 848.80 MHz
   Transmit Pwr    : 2.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal


Measurement Data:
   Phantom Name        : SAM-RIGHT
   Phantom Type        : Right Ear
   Tissue Type         : Brain
   Tissue Dielectric   : 40.150
   Tissue Conductivity : 0.890
   Tissue Density      : 1.000
   Robot Name          : CRS


Probe Data:
   Probe Name            : PCT005
   Probe Type            : E Fld Triangle
   Frequency             : 835 MHz
   Tissue Type           : Brain
   Calibrated Dielectric   : 40.810
   Calibrated Conductivity :  0.870
   Calibrated Density    :  1.000
   Probe Offset          :  1.600 mm
   Conversion Factor     :  5.500
   Probe Sensitivity :  3.807   3.736   3.821   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00


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


Comments:
   GSM MODE CH-251
   TILT - SLIDEOUT
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C



Power Drop Test:
   Reading @ start  = 0.171
   Reading @ End    = 0.166
   Power at End     = 97.6%



Area Scan - Max Peak SAR Value at x=36.0 y=11.0 = 0.17 W/kg

Zoom Scan - Max Peak SAR Value at x=36.0 y=1.0 z=0.0 = 0.35 W/kg

Max 1g SAR at x=36.0 y=0.0 z=0.0 = 0.19 W/kg

Max 10g SAR at x=40.0 y=6.0 z=0.0 = 0.12 W/kg
```
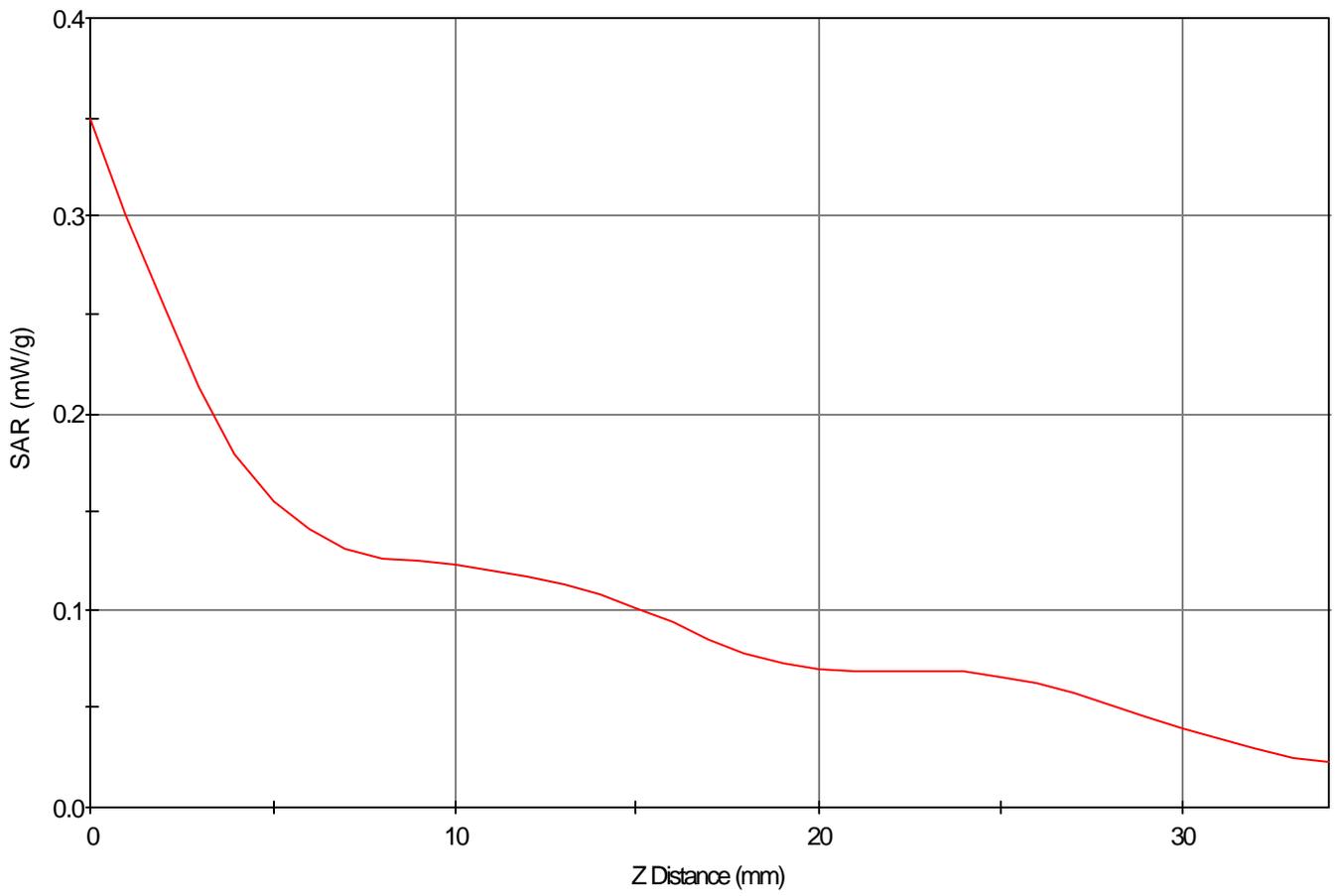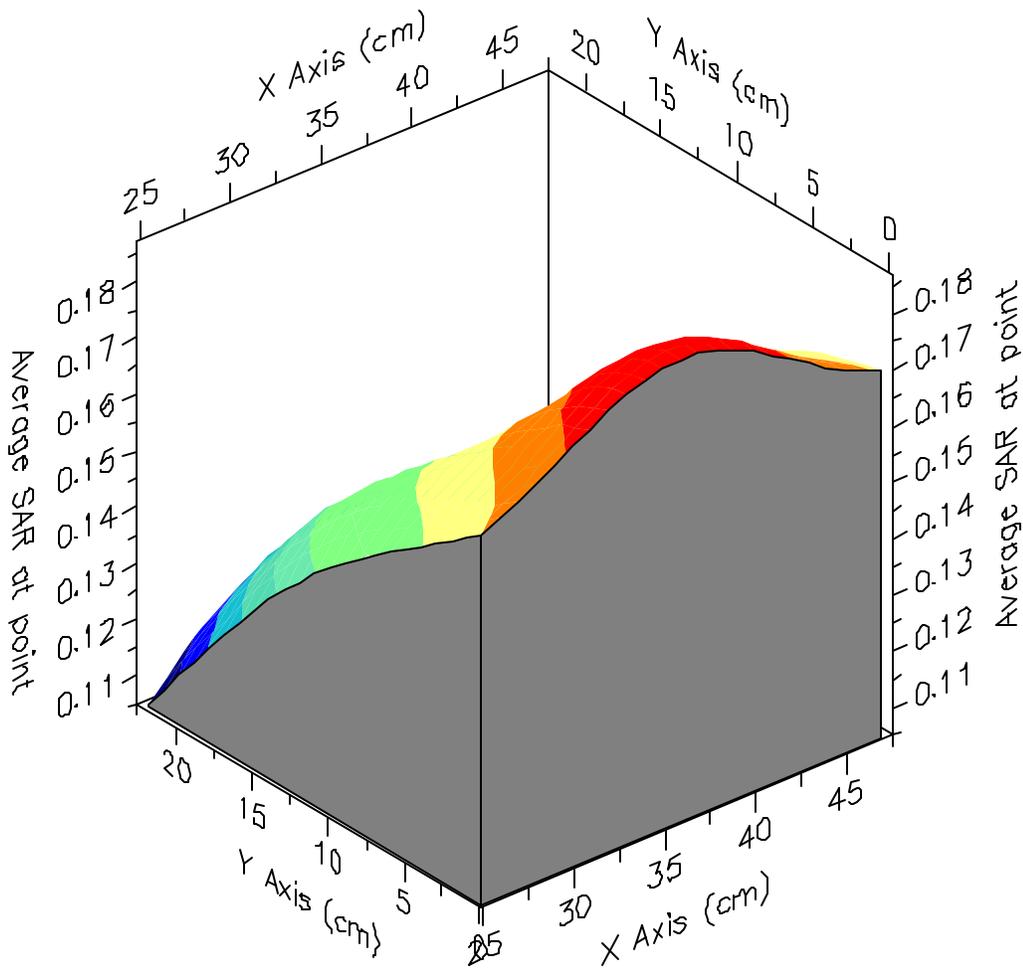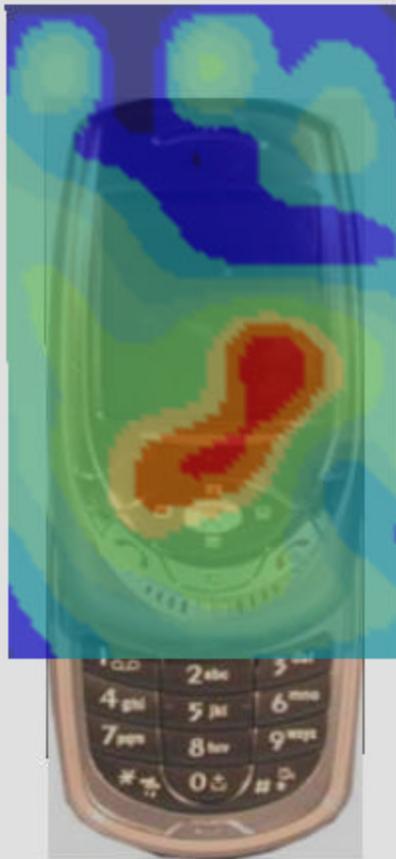
SAR - Z Axis
at Hotspot x:36.0 y:1.0

1g SAR Values

```
SAR Data Report 05021622


    Start        : 16-Feb-05 04:11:05 pm
    End          : 16-Feb-05 04:17:24 pm
    Code Version : 4.08
    Robot Version: 4.08


Product Data:
    Type             : LGE
    Model Number     : F7200
    Serial Number    : 00103500016998000
    Frequency        : 848.80 MHz
    Transmit Pwr     : 2.000 W
    Antenna Type     : Helical
    Antenna Posn.    : Internal


Measurement Data:
    Phantom Name       : SAM-LEFT
    Phantom Type       : Left Ear
    Tissue Type        : Brain
    Tissue Dielectric  : 40.150
    Tissue Conductivity : 0.890
    Tissue Density     : 1.000
    Robot Name         : CRS


Probe Data:
    Probe Name          : PCT005
    Probe Type          : E Fld Triangle
    Frequency           : 835 MHz
    Tissue Type         : Brain
    Calibrated Dielectric  : 40.810
    Calibrated Conductivity :  0.870
    Calibrated Density     :  1.000
    Probe Offset          :  1.600 mm
    Conversion Factor     :  5.500
    Probe Sensitivity :  3.807   3.736   3.821   mV/(mW/cm^2)
    Amplifier Gains  :  20.00   20.00   20.00


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


Comments:
    GSM MODE CH-251
    CHEEK
    CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C



Power Drop Test:
    Reading @ start  = 1.097
    Reading @ End    = 1.113
    Power at End     = 101.5%



Area Scan - Max Peak SAR Value at x=24.0 y=2.0 = 0.82 W/kg


Zoom Scan - Max Peak SAR Value at x=20.0 y=10.0 z=0.0 = 1.94 W/kg


Max 1g SAR at x=20.0 y=8.0 z=0.0 = 0.87 W/kg


Max 10g SAR at x=24.0 y=5.0 z=0.0 = 0.58 W/kg
```
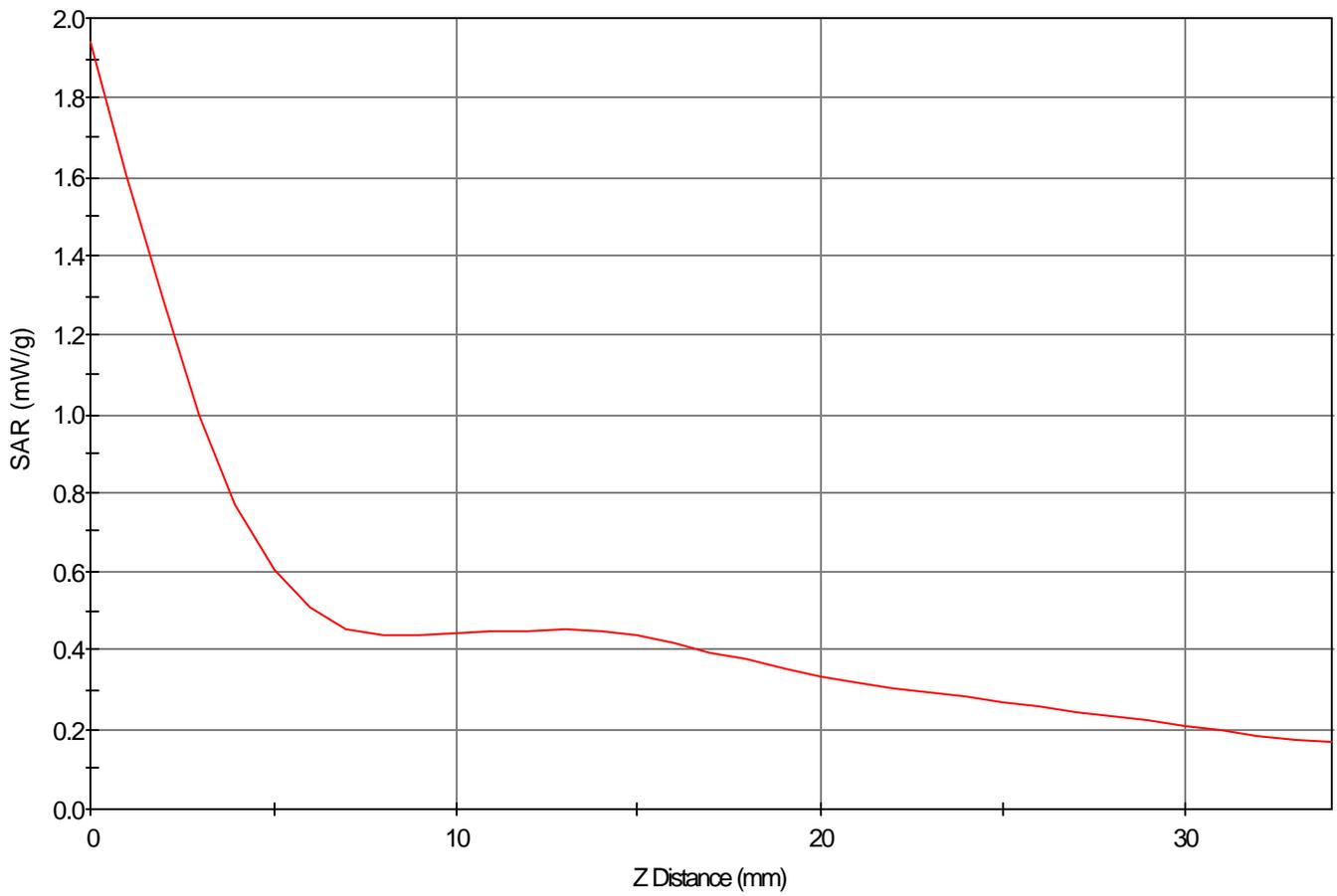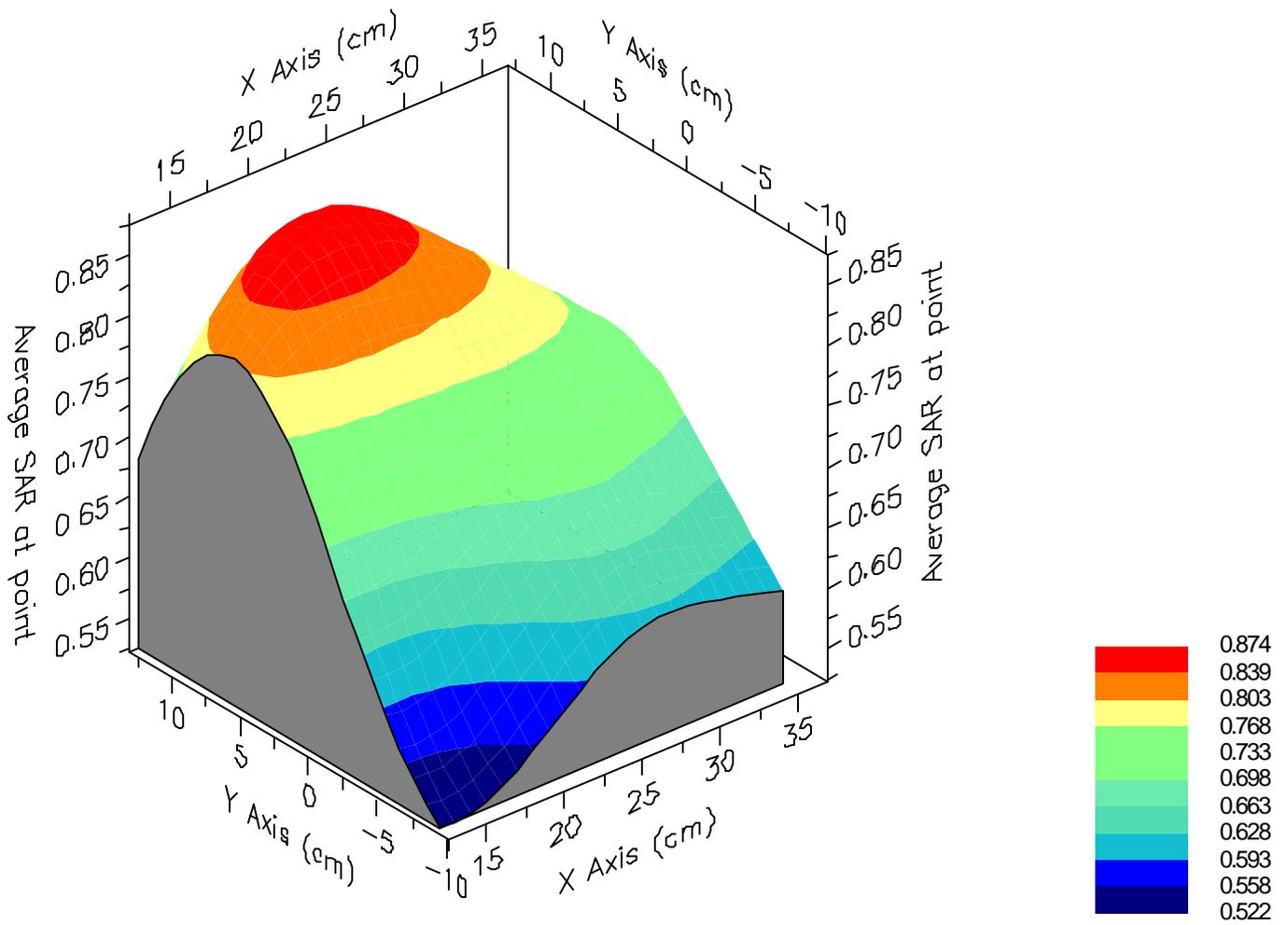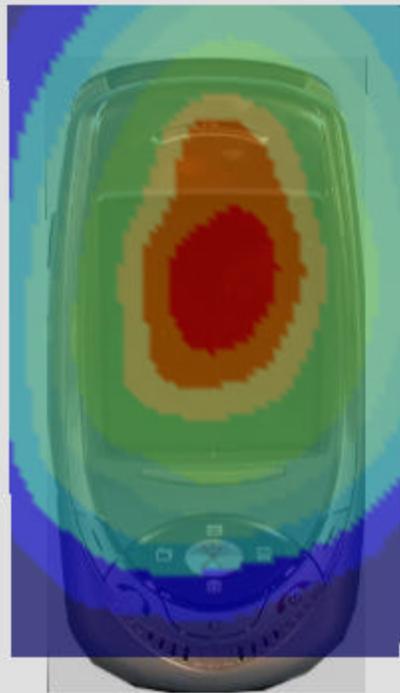
SAR - Z Axis
at Hotspot x:20.0 y:10.0

# 1g SAR Values



| | |
|---|---|
| | 0.874 |
| | 0.839 |
| | 0.803 |
| | 0.768 |
| | 0.733 |
| | 0.698 |
| | 0.663 |
| | 0.628 |
| | 0.593 |
| | 0.558 |
| | 0.522 |

```
SAR Data Report 05021633

   Start        : 16-Feb-05 05:23:16 pm
   End          : 16-Feb-05 05:29:33 pm
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 848.80 MHz
   Transmit Pwr    : 2.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal

Measurement Data:
   Phantom Name       : SAM-LEFT
   Phantom Type       : Left Ear
   Tissue Type        : Brain
   Tissue Dielectric  : 40.150
   Tissue Conductivity : 0.890
   Tissue Density     : 1.000
   Robot Name         : CRS

Probe Data:
   Probe Name          : PCT005
   Probe Type          : E Fld Triangle
   Frequency           : 835 MHz
   Tissue Type         : Brain
   Calibrated Dielectric  : 40.810
   Calibrated Conductivity :  0.870
   Calibrated Density    :  1.000
   Probe Offset        :  1.600 mm
   Conversion Factor   :  5.500
   Probe Sensitivity :  3.807   3.736   3.821   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00

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

Comments:
   GSM MODE CH-251
   CHEEK - SLIDE OUT
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C


Power Drop Test:
   Reading @ start  = 0.257
   Reading @ End    = 0.263
   Power at End     = 102.2%


Area Scan - Max Peak SAR Value at x=45.0 y=-7.0 = 0.49 W/kg

Zoom Scan - Max Peak SAR Value at x=36.0 y=1.0 z=0.0 = 1.58 W/kg

Max 1g SAR at x=38.0 y=0.0 z=0.0 = 0.52 W/kg

Max 10g SAR at x=44.0 y=-4.0 z=0.0 = 0.32 W/kg
```
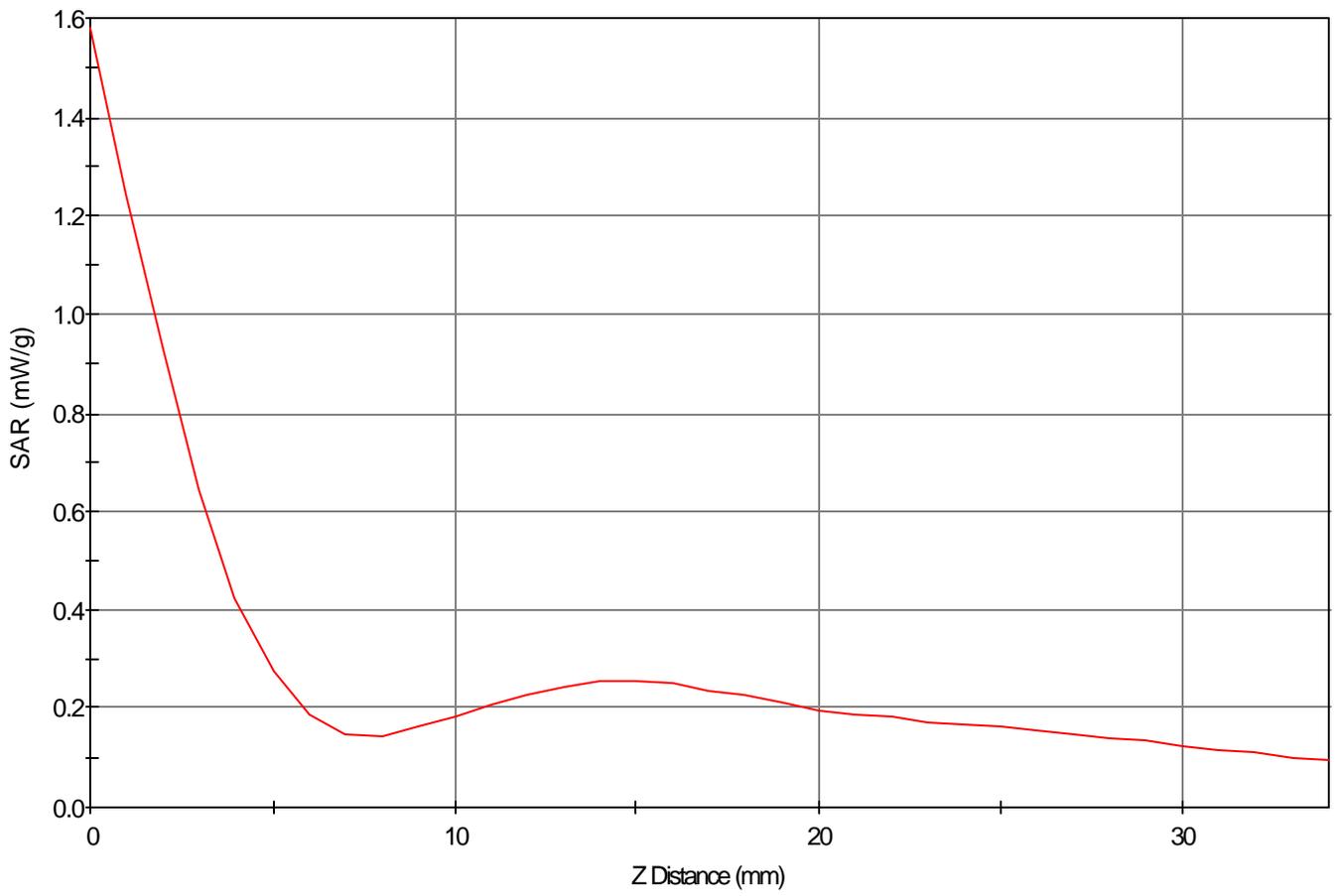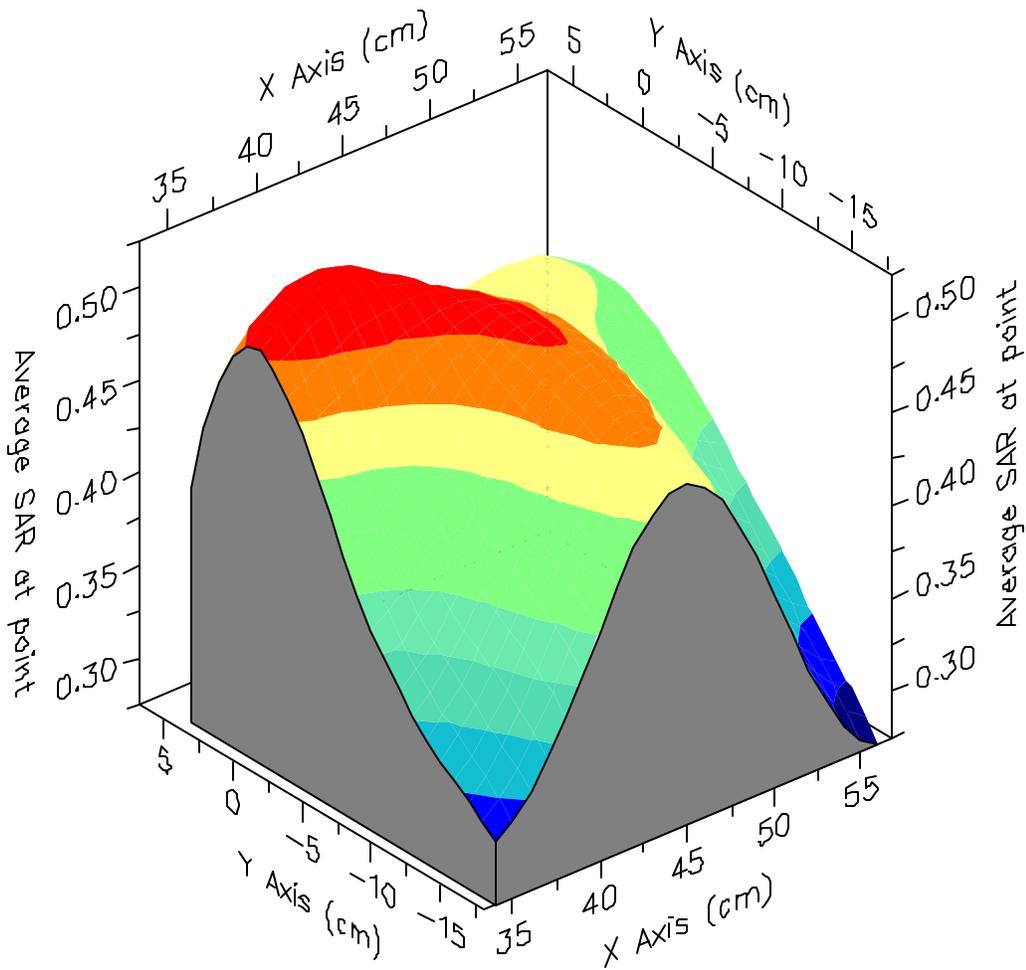
SAR - Z Axis
at Hotspot x:36.0 y:1.0

1g SAR Values

```
SAR Data Report 05021622


   Start        : 16-Feb-05 04:11:05 pm
   End          : 16-Feb-05 04:17:24 pm
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 848.80 MHz
   Transmit Pwr    : 2.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal

Measurement Data:
   Phantom Name        : SAM-LEFT
   Phantom Type        : Left Ear
   Tissue Type         : Brain
   Tissue Dielectric   : 40.150
   Tissue Conductivity : 0.890
   Tissue Density      : 1.000
   Robot Name          : CRS

Probe Data:
   Probe Name           : PCT005
   Probe Type           : E Fld Triangle
   Frequency            : 835 MHz
   Tissue Type          : Brain
   Calibrated Dielectric   : 40.810
   Calibrated Conductivity :  0.870
   Calibrated Density      :  1.000
   Probe Offset         :  1.600 mm
   Conversion Factor    :  5.500
   Probe Sensitivity :  3.807   3.736   3.821   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00

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

Comments:
   GSM MODE CH-251
   TILT
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C



Power Drop Test:
   Reading @ start  = 1.097
   Reading @ End    = 1.113
   Power at End     = 101.5%



Area Scan - Max Peak SAR Value at x=24.0 y=2.0 = 0.82 W/kg


Zoom Scan - Max Peak SAR Value at x=20.0 y=10.0 z=0.0 = 1.94 W/kg


Max 1g SAR at x=20.0 y=8.0 z=0.0 = 0.87 W/kg


Max 10g SAR at x=24.0 y=5.0 z=0.0 = 0.58 W/kg
```
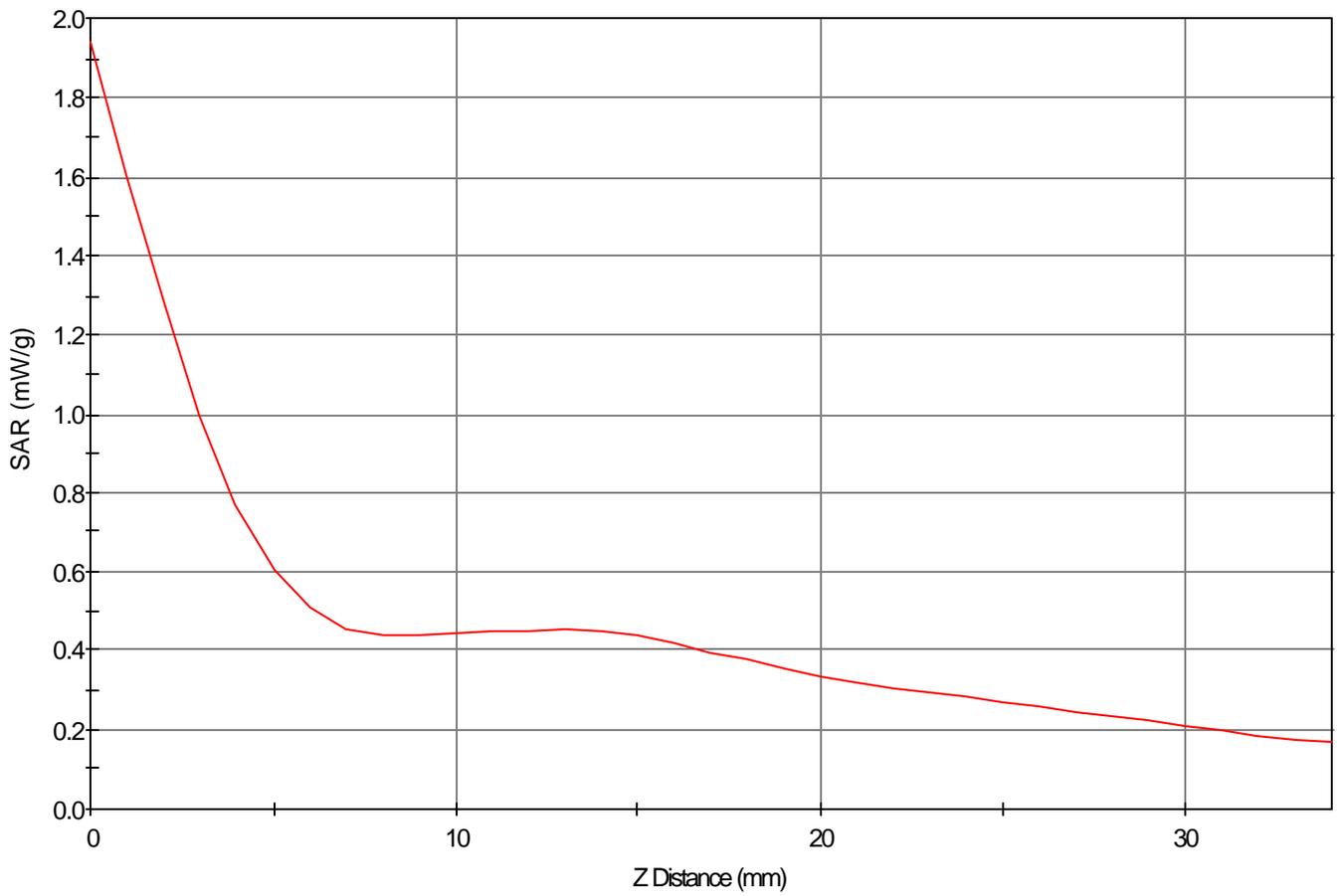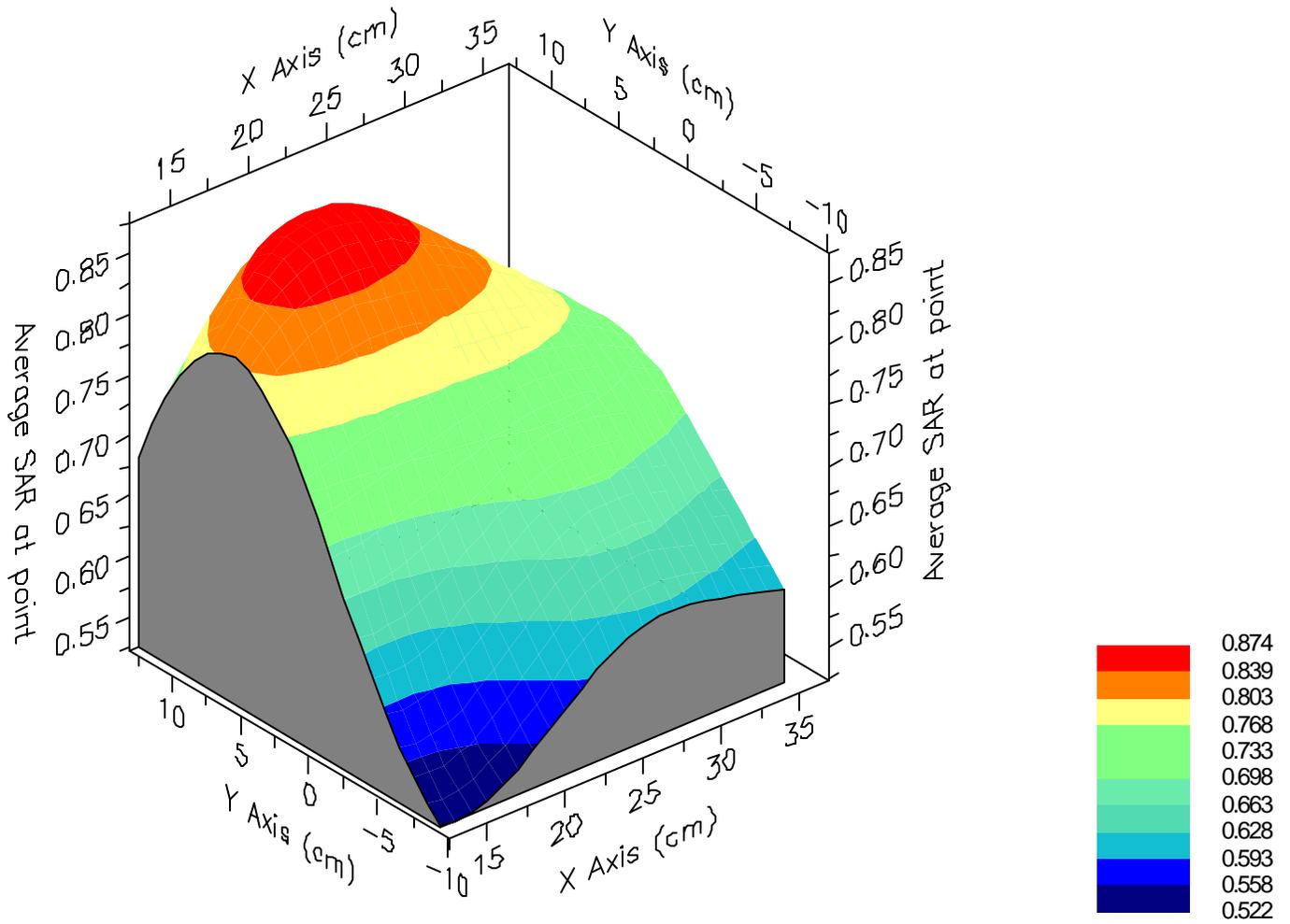
SAR - Z Axis
at Hotspot x:20.0 y:10.0

1g SAR Values

```
SAR Data Report 05021627

   Start        : 16-Feb-05 04:47:48 pm
   End          : 16-Feb-05 04:54:05 pm
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 848.80 MHz
   Transmit Pwr    : 2.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal

Measurement Data:
   Phantom Name        : SAM-LEFT
   Phantom Type        : Left Ear
   Tissue Type         : Brain
   Tissue Dielectric   : 40.150
   Tissue Conductivity : 0.890
   Tissue Density      : 1.000
   Robot Name          : CRS

Probe Data:
   Probe Name           : PCT005
   Probe Type           : E Fld Triangle
   Frequency            : 835 MHz
   Tissue Type          : Brain
   Calibrated Dielectric   : 40.810
   Calibrated Conductivity :  0.870
   Calibrated Density      :  1.000
   Probe Offset         :  1.600 mm
   Conversion Factor    :  5.500
   Probe Sensitivity :  3.807   3.736   3.821   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00

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

Comments:
   GSM MODE CH-251
   TILT - SLIDE OUT
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C


Power Drop Test:
   Reading @ start  = 0.181
   Reading @ End    = 0.184
   Power at End     = 101.2%


Area Scan - Max Peak SAR Value at x=39.0 y=-4.0 = 0.22 W/kg

Zoom Scan - Max Peak SAR Value at x=38.0 y=-6.0 z=0.0 = 0.46 W/kg

Max 1g SAR at x=37.0 y=-7.0 z=0.0 = 0.22 W/kg

Max 10g SAR at x=38.0 y=-6.0 z=0.0 = 0.14 W/kg
```
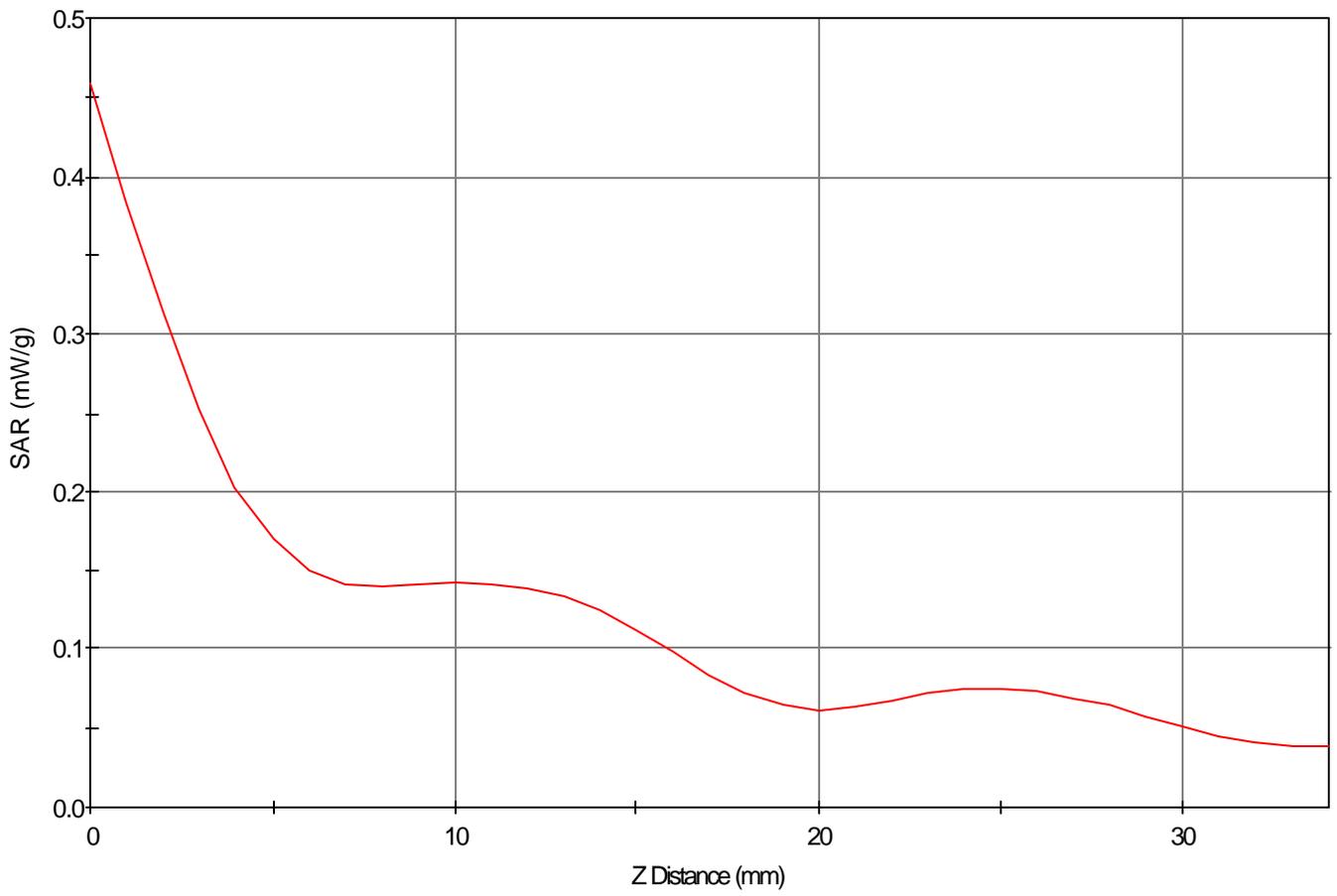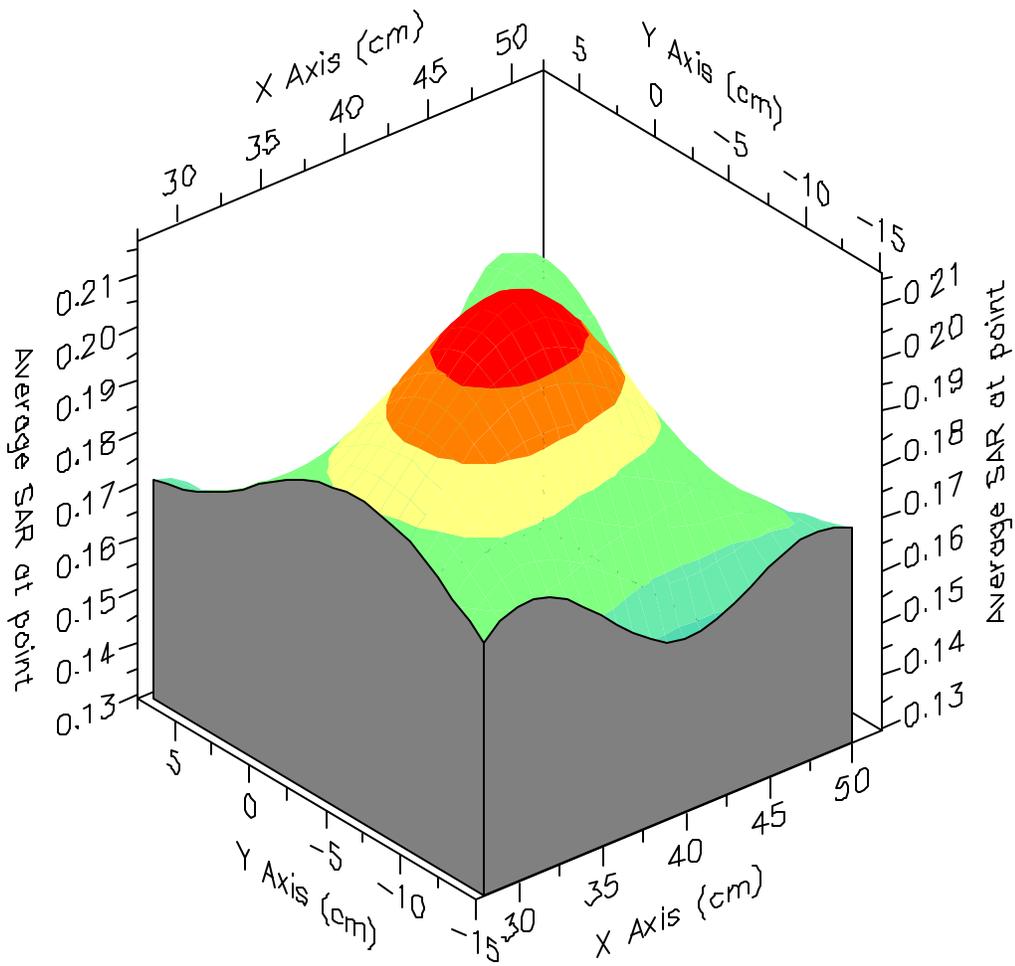
SAR - Z Axis
at Hotspot x:38.0 y:-6.0

1g SAR Values

```
SAR Data Report 05021509


   Start        : 15-Feb-05 11:08:08 am
   End          : 15-Feb-05 11:14:12 am
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 1880.00 MHz
   Transmit Pwr    : 1.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal

Measurement Data:
   Phantom Name        : SAM-RIGHT
   Phantom Type        : Right Ear
   Tissue Type         : Brain
   Tissue Dielectric   : 39.990
   Tissue Conductivity : 1.370
   Tissue Density      : 1.000
   Robot Name          : CRS

Probe Data:
   Probe Name          : PCT005
   Probe Type          : E Fld Triangle
   Frequency           : 1900 MHz
   Tissue Type         : Brain
   Calibrated Dielectric  : 39.020
   Calibrated Conductivity : 1.370
   Calibrated Density     : 1.000
   Probe Offset           : 1.600 mm
   Conversion Factor      : 5.400
   Probe Sensitivity : 5.115   4.969   4.453   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-661
   CHEEK
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C



Power Drop Test:
   Reading @ start  = 0.074
   Reading @ End    = 0.076
   Power at End     = 102.2%



Area Scan - Max Peak SAR Value at x=42.0 y=1.0 = 0.13 W/kg


Zoom Scan - Max Peak SAR Value at x=43.0 y=1.0 z=0.0 = 0.20 W/kg


Max 1g SAR at x=43.0 y=1.0 z=0.0 = 0.13 W/kg


Max 10g SAR at x=46.0 y=1.0 z=0.0 = 0.07 W/kg
```
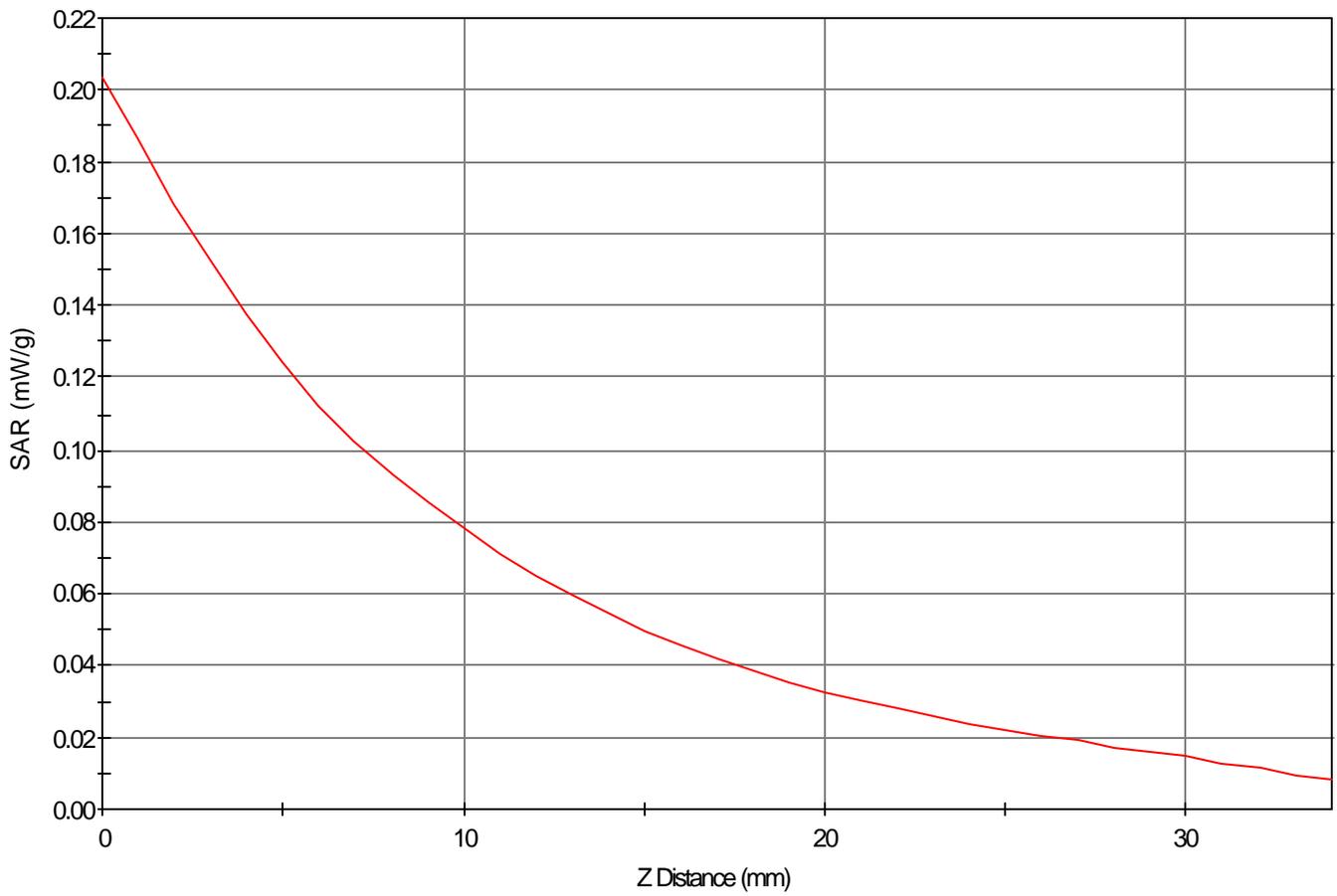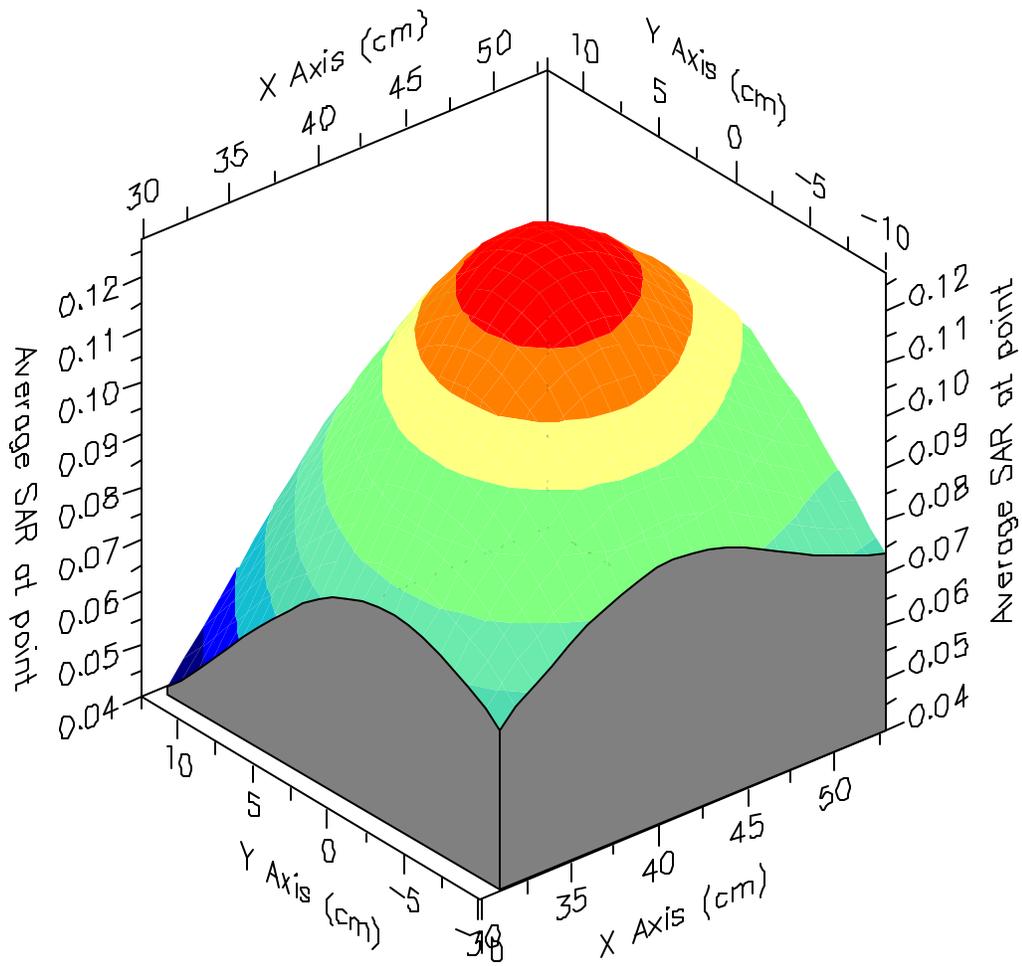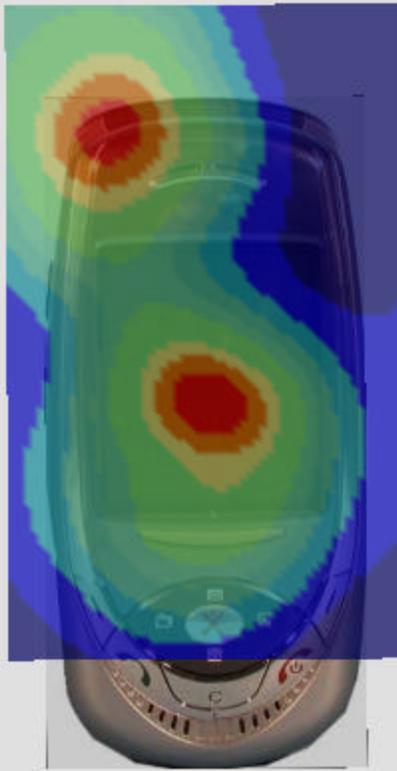
SAR - Z Axis
at Hotspot x:43.0 y:1.0

1g SAR Values

```
SAR Data Report 05021519


   Start         : 15-Feb-05 04:44:48 pm
   End           : 15-Feb-05 04:50:52 pm
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type          : LGE
   Model Number  : F7200
   Serial Number : 00103500016998000
   Frequency     : 1880.00 MHz
   Transmit Pwr  : 1.000 W
   Antenna Type  : Helical
   Antenna Posn. : Internal

Measurement Data:
   Phantom Name       : SAM-RIGHT
   Phantom Type       : Right Ear
   Tissue Type        : Brain
   Tissue Dielectric  : 39.990
   Tissue Conductivity : 1.370
   Tissue Density     : 1.000
   Robot Name         : CRS

Probe Data:
   Probe Name           : PCT005
   Probe Type           : E Fld Triangle
   Frequency            : 1900 MHz
   Tissue Type          : Brain
   Calibrated Dielectric  : 39.020
   Calibrated Conductivity : 1.370
   Calibrated Density   : 1.000
   Probe Offset         : 1.600 mm
   Conversion Factor    : 5.400
   Probe Sensitivity : 5.115   4.969   4.453   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-661
   CHEEK - SLIDEOUT
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C



Power Drop Test:
   Reading @ start  = 0.057
   Reading @ End    = 0.061
   Power at End     = 106.0%



Area Scan - Max Peak SAR Value at x=39.0 y=-2.0 = 0.11 W/kg


Zoom Scan - Max Peak SAR Value at x=39.0 y=-1.0 z=0.0 = 0.19 W/kg


Max 1g SAR at x=38.0 y=-1.0 z=0.0 = 0.11 W/kg


Max 10g SAR at x=34.0 y=-2.0 z=0.0 = 0.06 W/kg
```
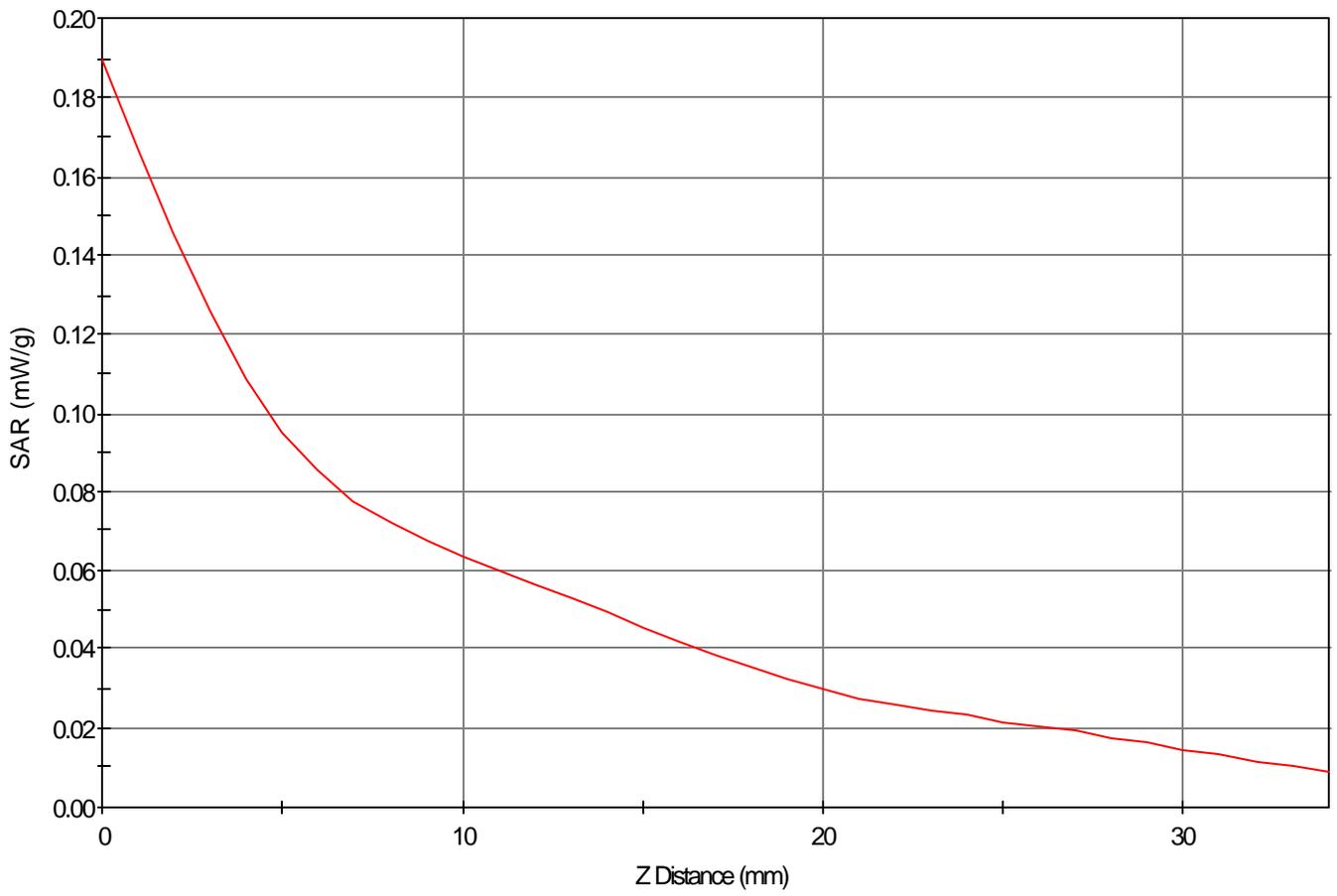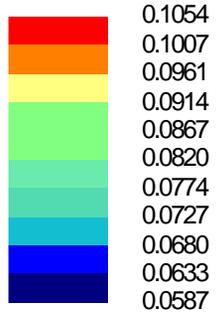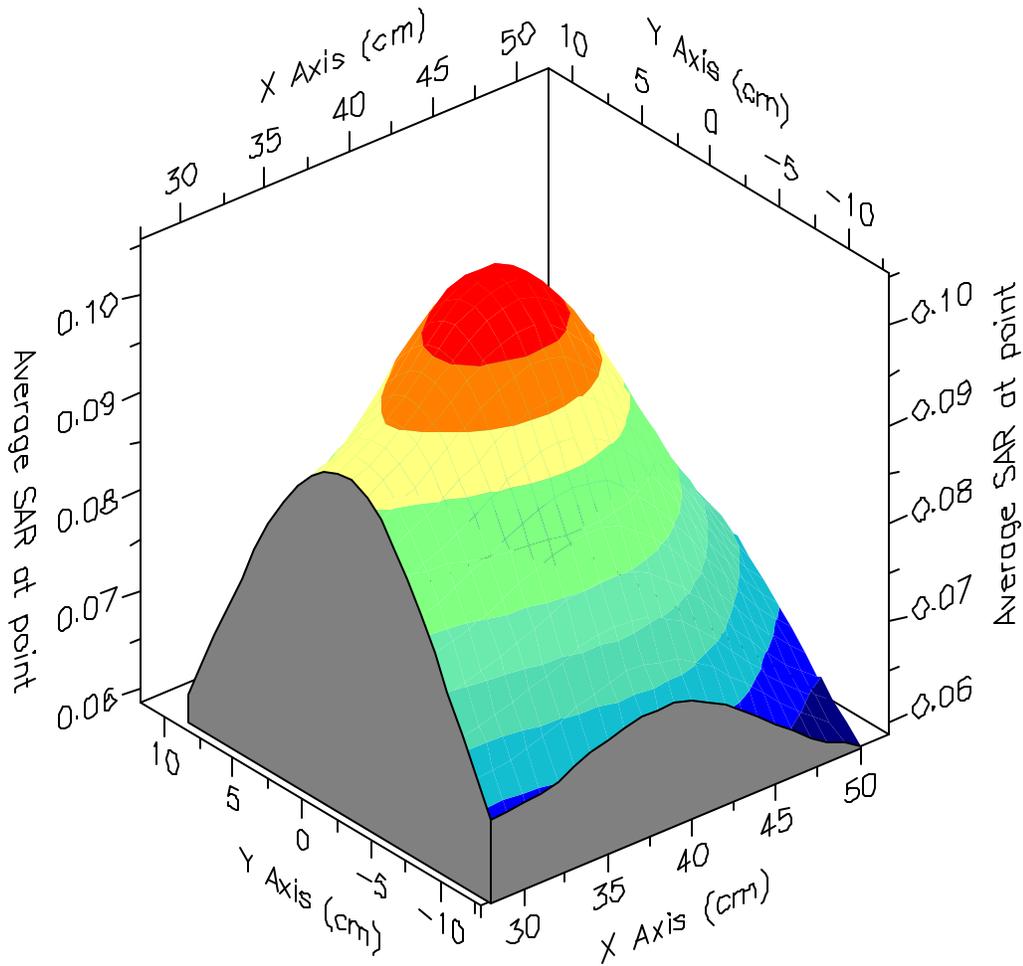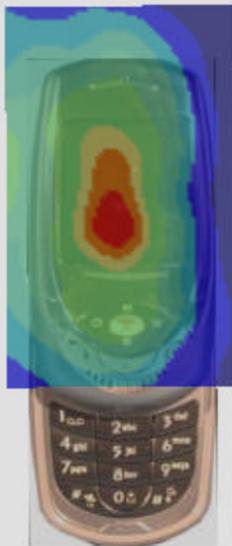
SAR - Z Axis
at Hotspot x:39.0 y:-1.0

# 1g SAR Values



X Axis (cm)

Y Axis (cm)

Average SAR at point

Average SAR at point

| |
|---|
| 0.1054 |
| 0.1007 |
| 0.0961 |
| 0.0914 |
| 0.0867 |
| 0.0820 |
| 0.0774 |
| 0.0727 |
| 0.0680 |
| 0.0633 |
| 0.0587 |

```
SAR Data Report 05021510


   Start        : 15-Feb-05 11:16:26 am
   End          : 15-Feb-05 11:22:53 am
   Code Version : 4.08
   Robot Version: 4.08


Product Data:
   Type           : LGE
   Model Number   : F7200
   Serial Number  : 00103500016998000
   Frequency      : 1880.00 MHz
   Transmit Pwr   : 1.000 W
   Antenna Type   : Helical
   Antenna Posn.  : Internal


Measurement Data:
   Phantom Name       : SAM-LEFT
   Phantom Type       : Left Ear
   Tissue Type        : Brain
   Tissue Dielectric  : 39.990
   Tissue Conductivity : 1.370
   Tissue Density     : 1.000
   Robot Name         : CRS


Probe Data:
   Probe Name          : PCT005
   Probe Type          : E Fld Triangle
   Frequency           : 1900 MHz
   Tissue Type         : Brain
   Calibrated Dielectric  : 39.020
   Calibrated Conductivity :  1.370
   Calibrated Density     :  1.000
   Probe Offset        :  1.600 mm
   Conversion Factor   :  5.400
   Probe Sensitivity :  5.115   4.969   4.453   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-661
   CHEEK
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C



Power Drop Test:
   Reading @ start  = 0.114
   Reading @ End    = 0.116
   Power at End     = 101.9%



Area Scan - Max Peak SAR Value at x=41.0 y=3.0 = 0.13 W/kg


Zoom Scan - Max Peak SAR Value at x=44.0 y=5.0 z=0.0 = 0.18 W/kg


Max 1g SAR at x=44.0 y=6.0 z=0.0 = 0.12 W/kg


Max 10g SAR at x=46.0 y=8.0 z=0.0 = 0.08 W/kg
```
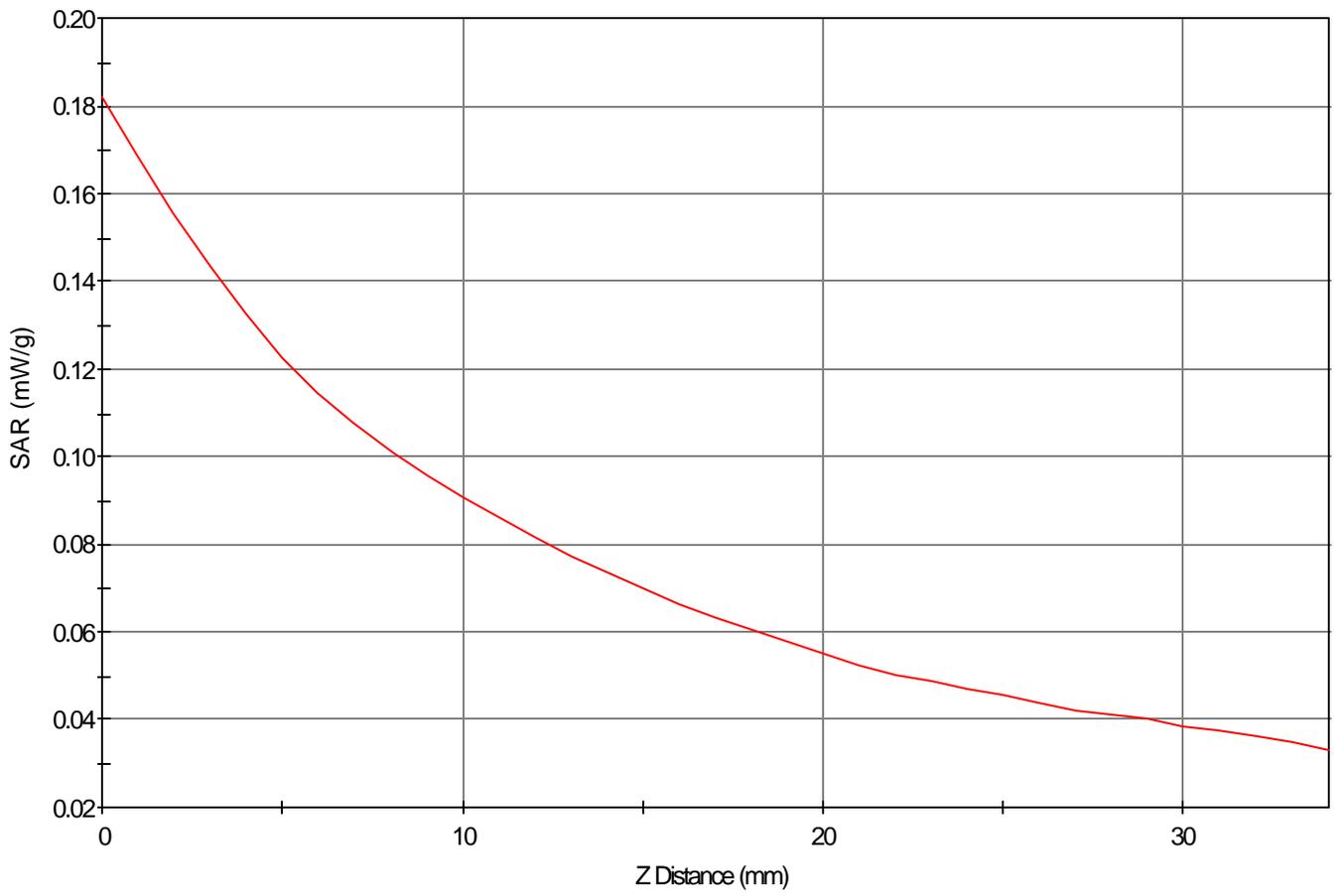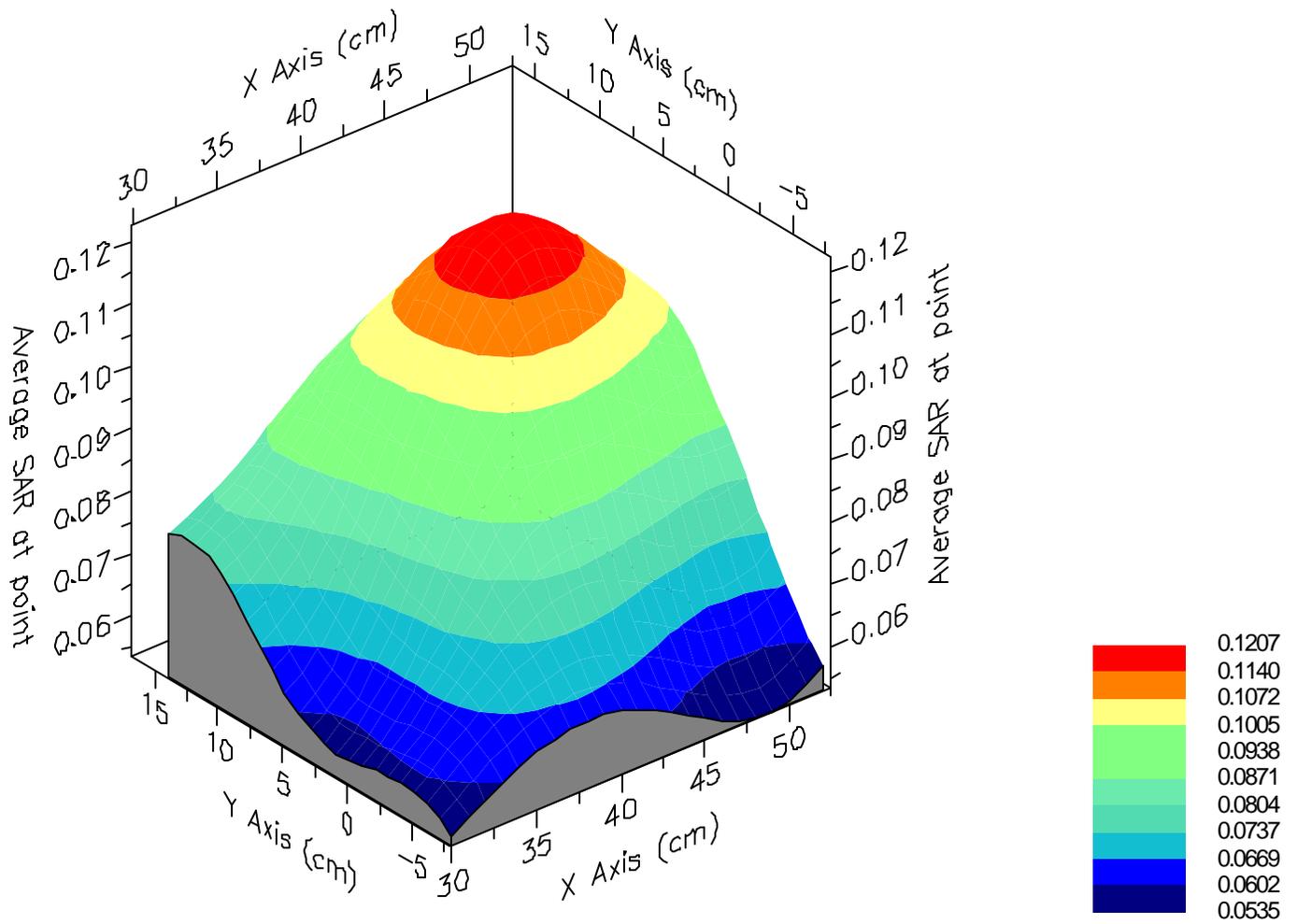
SAR - Z Axis
at Hotspot x:44.0 y:5.0

1g SAR Values

```
SAR Data Report 05021518


   Start        : 15-Feb-05 04:35:41 pm
   End          : 15-Feb-05 04:42:06 pm
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 1880.00 MHz
   Transmit Pwr    : 1.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal

Measurement Data:
   Phantom Name       : SAM-LEFT
   Phantom Type       : Left Ear
   Tissue Type        : Brain
   Tissue Dielectric  : 39.990
   Tissue Conductivity : 1.370
   Tissue Density     : 1.000
   Robot Name         : CRS

Probe Data:
   Probe Name           : PCT005
   Probe Type           : E Fld Triangle
   Frequency            : 1900 MHz
   Tissue Type          : Brain
   Calibrated Dielectric   : 39.020
   Calibrated Conductivity :  1.370
   Calibrated Density      :  1.000
   Probe Offset         :  1.600 mm
   Conversion Factor    :  5.400
   Probe Sensitivity :  5.115   4.969   4.453   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-661
   CHEEK - SLIDEOUT
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C


Power Drop Test:
   Reading @ start  = 0.089
   Reading @ End    = 0.088
   Power at End     = 98.2%


Area Scan - Max Peak SAR Value at x=9.0 y=3.0 = 0.10 W/kg

Zoom Scan - Max Peak SAR Value at x=17.0 y=4.0 z=0.0 = 0.30 W/kg

Max 1g SAR at x=17.0 y=4.0 z=0.0 = 0.12 W/kg

Max 10g SAR at x=14.0 y=3.0 z=0.0 = 0.06 W/kg
```
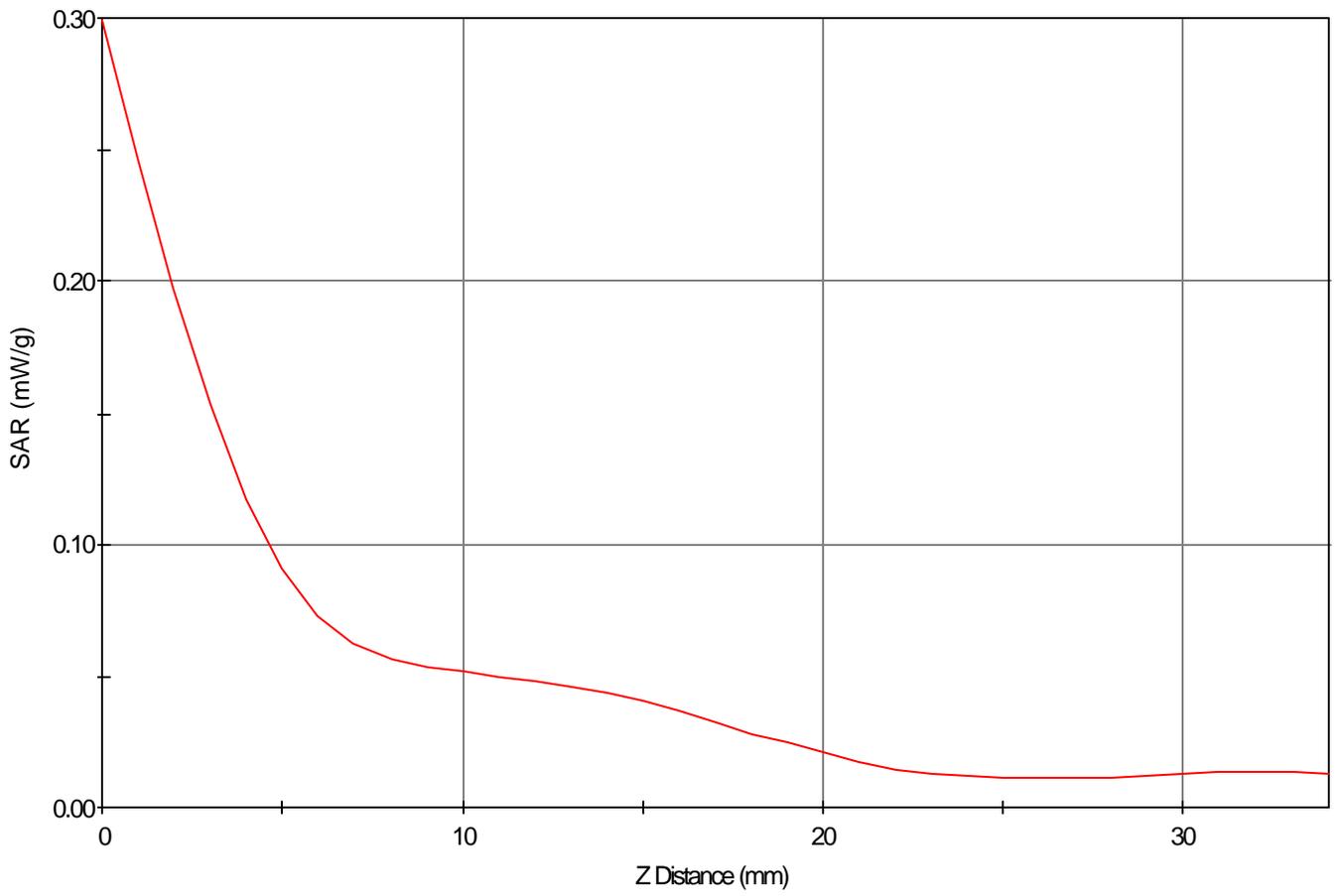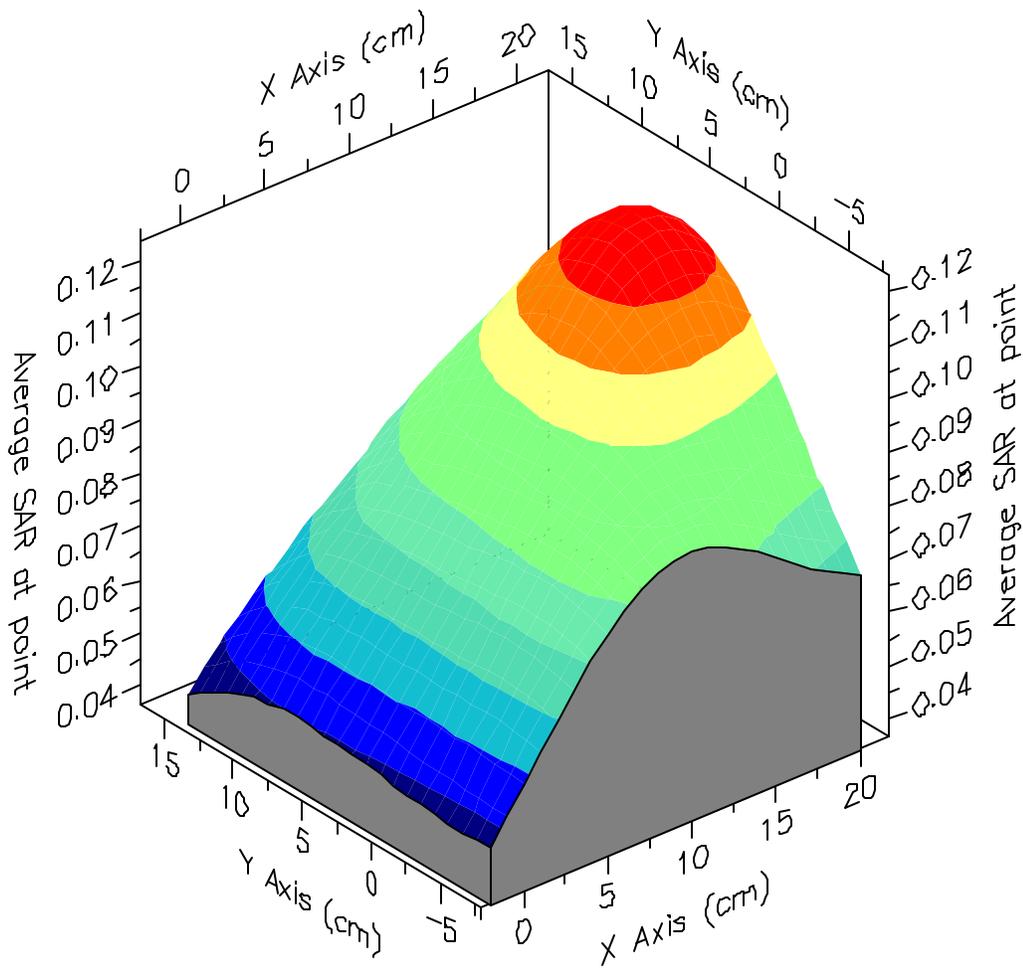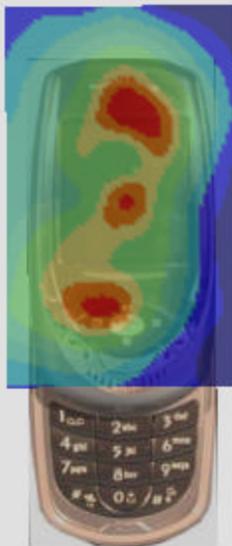
SAR - Z Axis
at Hotspot x:17.0 y:4.0

1g SAR Values

```
SAR Data Report 05021512


   Start        : 15-Feb-05 03:34:52 pm
   End          : 15-Feb-05 03:41:16 pm
   Code Version : 4.08
   Robot Version: 4.08


Product Data:
   Type             : LGE
   Model Number     : F7200
   Serial Number    : 00103500016998000
   Frequency        : 1880.00 MHz
   Transmit Pwr     : 1.000 W
   Antenna Type     : Helical
   Antenna Posn.    : Internal


Measurement Data:
   Phantom Name        : SAM-LEFT
   Phantom Type        : Left Ear
   Tissue Type         : Brain
   Tissue Dielectric   : 39.990
   Tissue Conductivity : 1.370
   Tissue Density      : 1.000
   Robot Name          : CRS


Probe Data:
   Probe Name           : PCT005
   Probe Type           : E Fld Triangle
   Frequency            : 1900 MHz
   Tissue Type          : Brain
   Calibrated Dielectric   : 39.020
   Calibrated Conductivity :  1.370
   Calibrated Density      :  1.000
   Probe Offset         :  1.600 mm
   Conversion Factor    :  5.400
   Probe Sensitivity :  5.115   4.969   4.453   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-661
   TILT
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C



Power Drop Test:
   Reading @ start  = 0.068
   Reading @ End    = 0.066
   Power at End     = 97.2%



Area Scan - Max Peak SAR Value at x=0.0 y=-2.0 = 0.11 W/kg


Zoom Scan - Max Peak SAR Value at x=-16.0 y=-8.0 z=0.0 = 0.19 W/kg


Max 1g SAR at x=-7.0 y=-3.0 z=0.0 = 0.08 W/kg


Max 10g SAR at x=-3.0 y=-3.0 z=0.0 = 0.04 W/kg
```
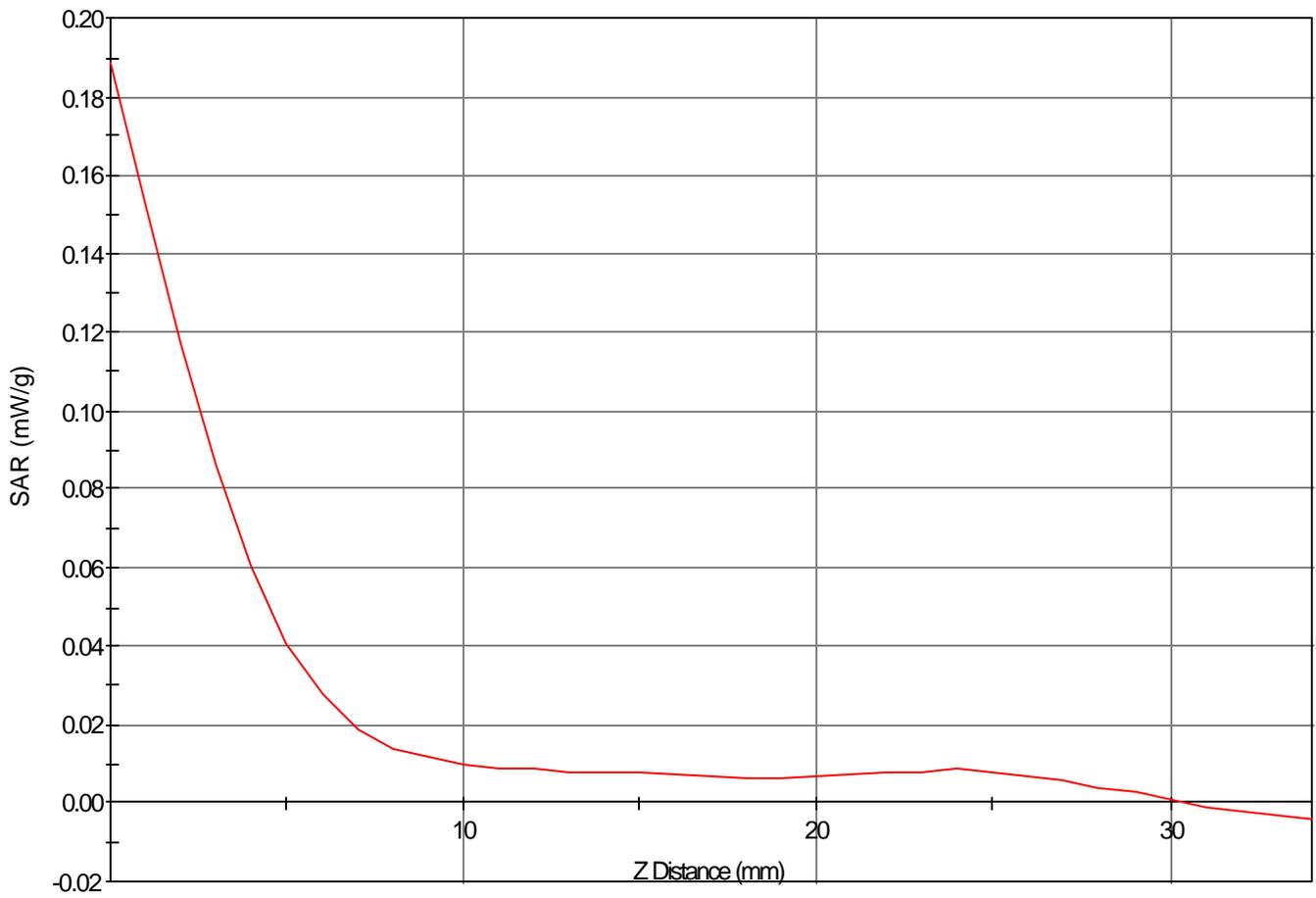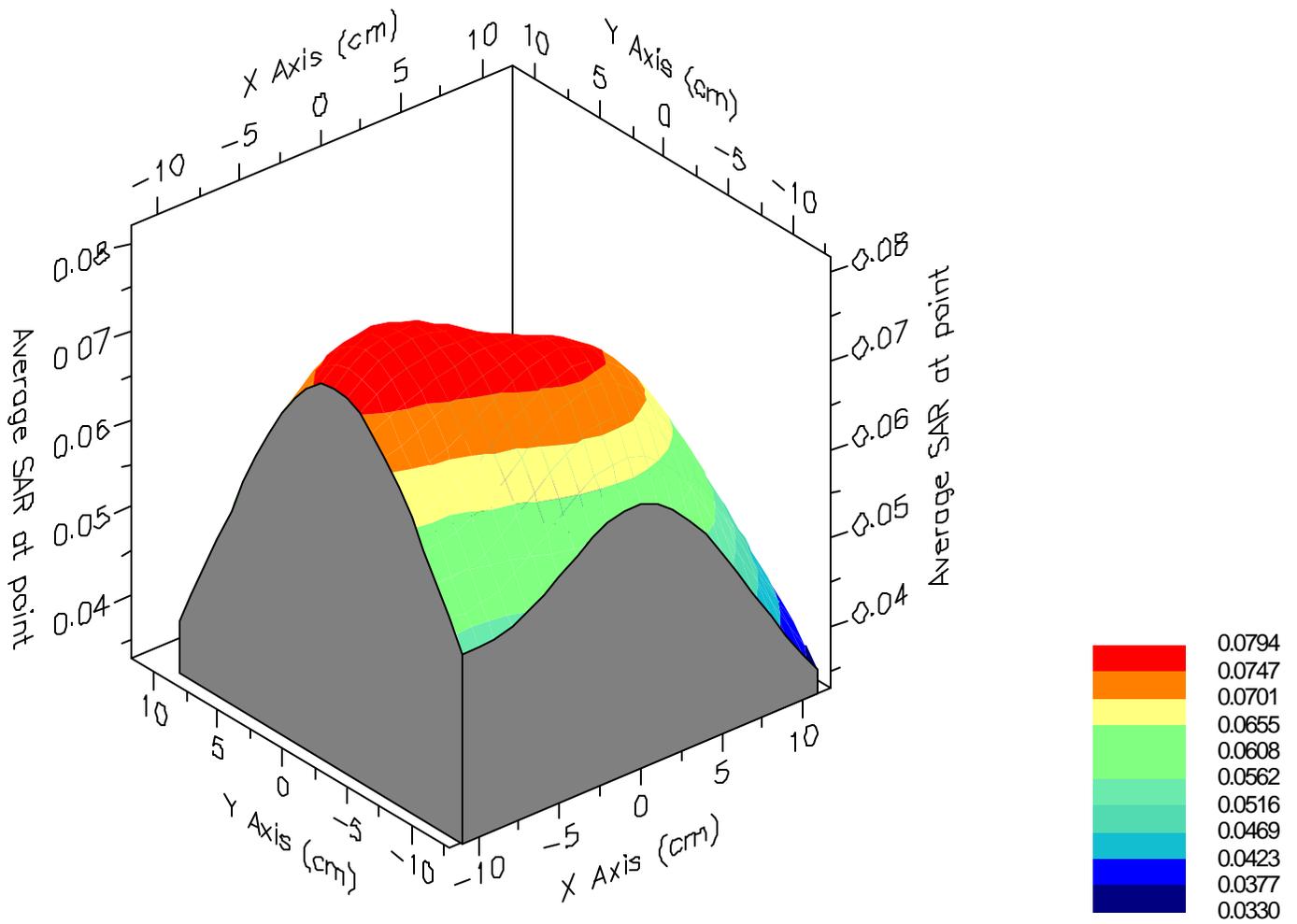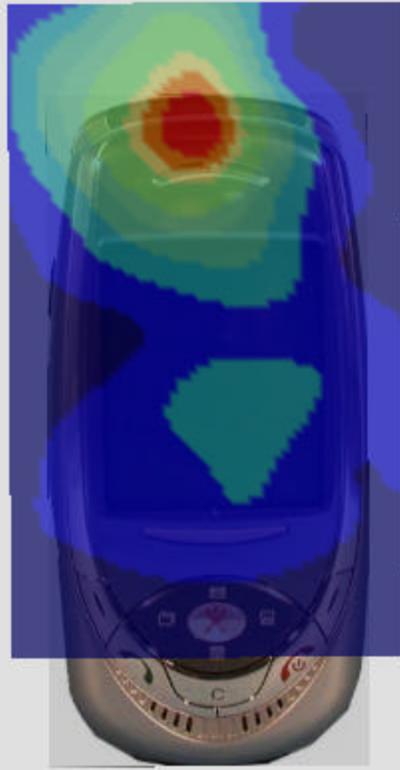
SAR - Z Axis
at Hotspot x:-16.0 y:-8.0

# 1g SAR Values



|  |  |
|---|---|
| ■ | 0.0794 |
| ■ | 0.0747 |
| ■ | 0.0701 |
| ■ | 0.0655 |
| ■ | 0.0608 |
| ■ | 0.0562 |
| ■ | 0.0516 |
| ■ | 0.0469 |
| ■ | 0.0423 |
| ■ | 0.0377 |
| ■ | 0.0330 |

```
SAR Data Report 05021515


   Start        : 15-Feb-05 04:12:51 pm
   End          : 15-Feb-05 04:19:15 pm
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 1880.00 MHz
   Transmit Pwr    : 1.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal

Measurement Data:
   Phantom Name       : SAM-LEFT
   Phantom Type       : Left Ear
   Tissue Type        : Brain
   Tissue Dielectric  : 39.990
   Tissue Conductivity : 1.370
   Tissue Density     : 1.000
   Robot Name         : CRS

Probe Data:
   Probe Name            : PCT005
   Probe Type            : E Fld Triangle
   Frequency             : 1900 MHz
   Tissue Type           : Brain
   Calibrated Dielectric  : 39.020
   Calibrated Conductivity : 1.370
   Calibrated Density     : 1.000
   Probe Offset          : 1.600 mm
   Conversion Factor     : 5.400
   Probe Sensitivity :  5.115   4.969   4.453   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-661
   TILT - SLIDEOUT
   CF=8; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C


Power Drop Test:
   Reading @ start  = 0.109
   Reading @ End    = 0.107
   Power at End     = 98.5%


Area Scan - Max Peak SAR Value at x=1.0 y=1.0 = 0.12 W/kg

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

Max 1g SAR at x=1.0 y=2.0 z=0.0 = 0.14 W/kg

Max 10g SAR at x=4.0 y=5.0 z=0.0 = 0.07 W/kg
```
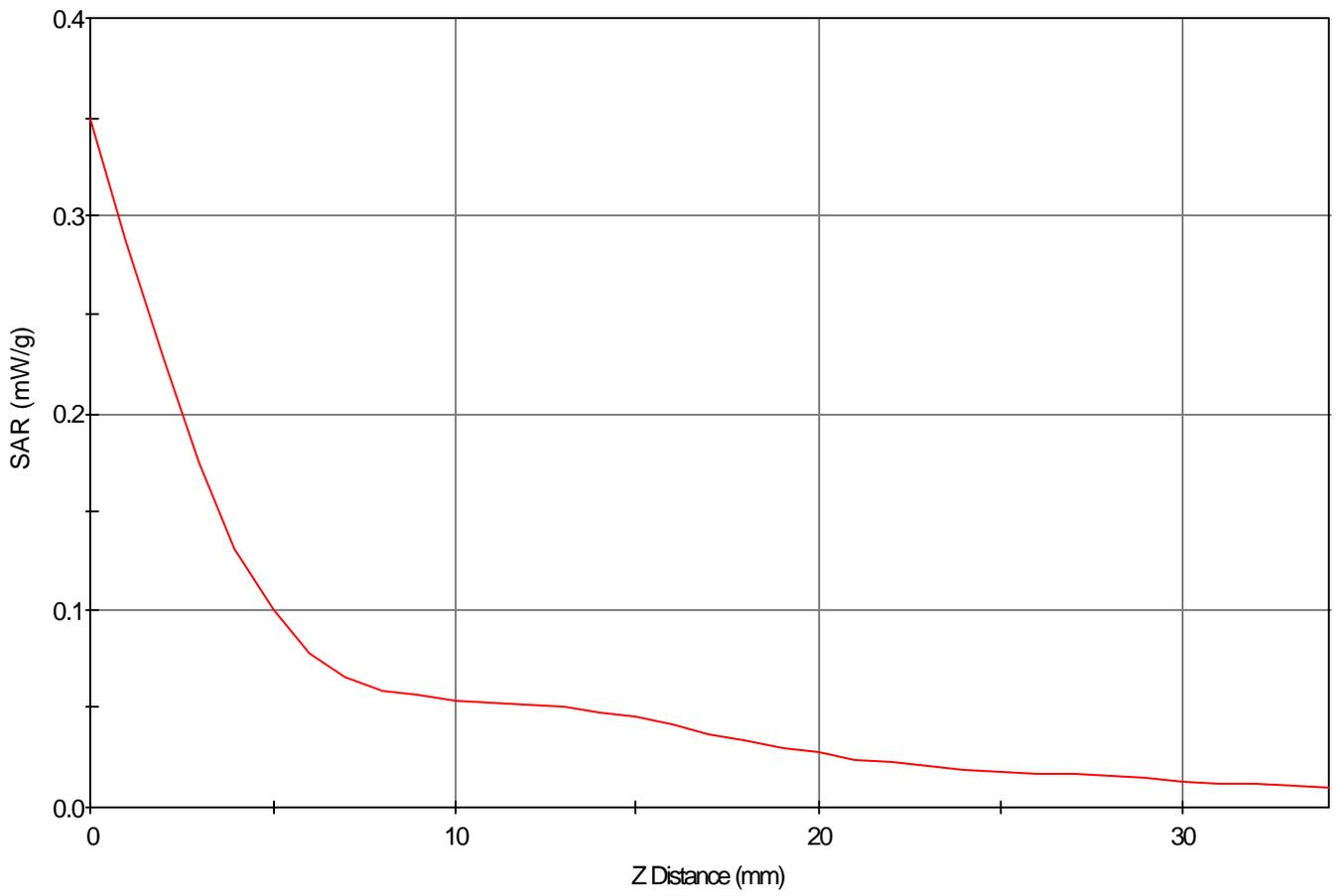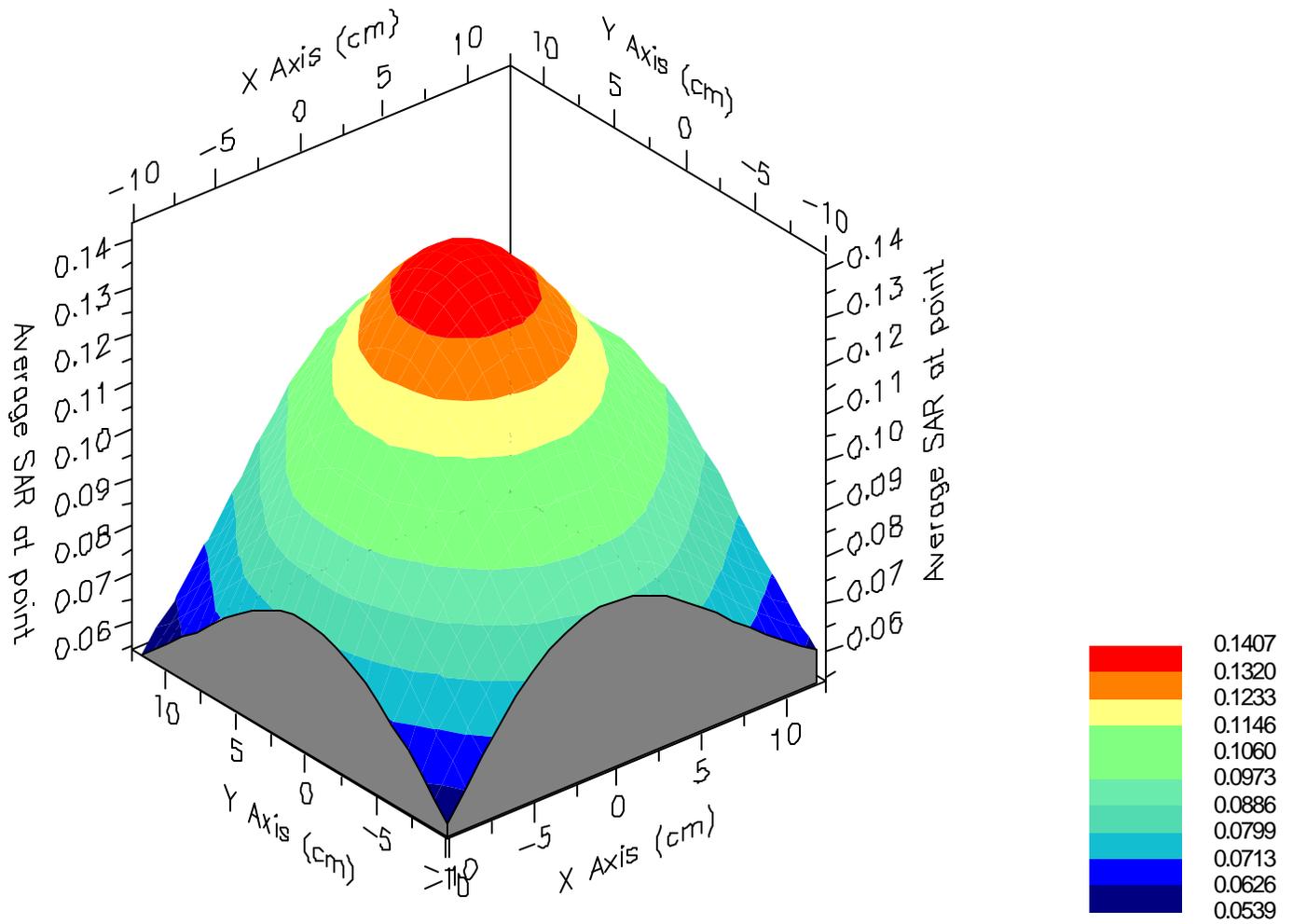
SAR - Z Axis
at Hotspot x:0.0 y:0.0

1g SAR Values

```
SAR Data Report 05021637


   Start        : 16-Feb-05 06:50:11 pm
   End          : 16-Feb-05 06:56:46 pm
   Code Version : 4.08
   Robot Version: 4.08


Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 848.80 MHz
   Transmit Pwr    : 2.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal


Measurement Data:
   Phantom Name        : SAM FLAT
   Phantom Type        : Uniphantom
   Tissue Type         : Muscle
   Tissue Dielectric   : 52.200
   Tissue Conductivity : 0.940
   Tissue Density      : 1.000
   Robot Name          : CRS


Probe Data:
   Probe Name            : PCT005
   Probe Type            : E Fld Triangle
   Frequency             : 835 MHz
   Tissue Type           : Muscle
   Calibrated Dielectric   : 53.660
   Calibrated Conductivity :  0.980
   Calibrated Density      :  1.000
   Probe Offset            :  1.600 mm
   Conversion Factor       :  5.850
   Probe Sensitivity :  3.807   3.736   3.821   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00


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


Comments:
   GPRS MODE CH-251
   BODY
   CF=4; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C



Power Drop Test:
   Reading @ start  = 1.945
   Reading @ End    = 1.875
   Power at End     = 96.4%



Area Scan - Max Peak SAR Value at x=-2.0 y=12.0 = 1.17 W/kg


Zoom Scan - Max Peak SAR Value at x=-2.0 y=11.0 z=0.0 = 1.88 W/kg


Max 1g SAR at x=0.0 y=10.0 z=0.0 = 1.19 W/kg


Max 10g SAR at x=0.0 y=7.0 z=0.0 = 0.81 W/kg
```
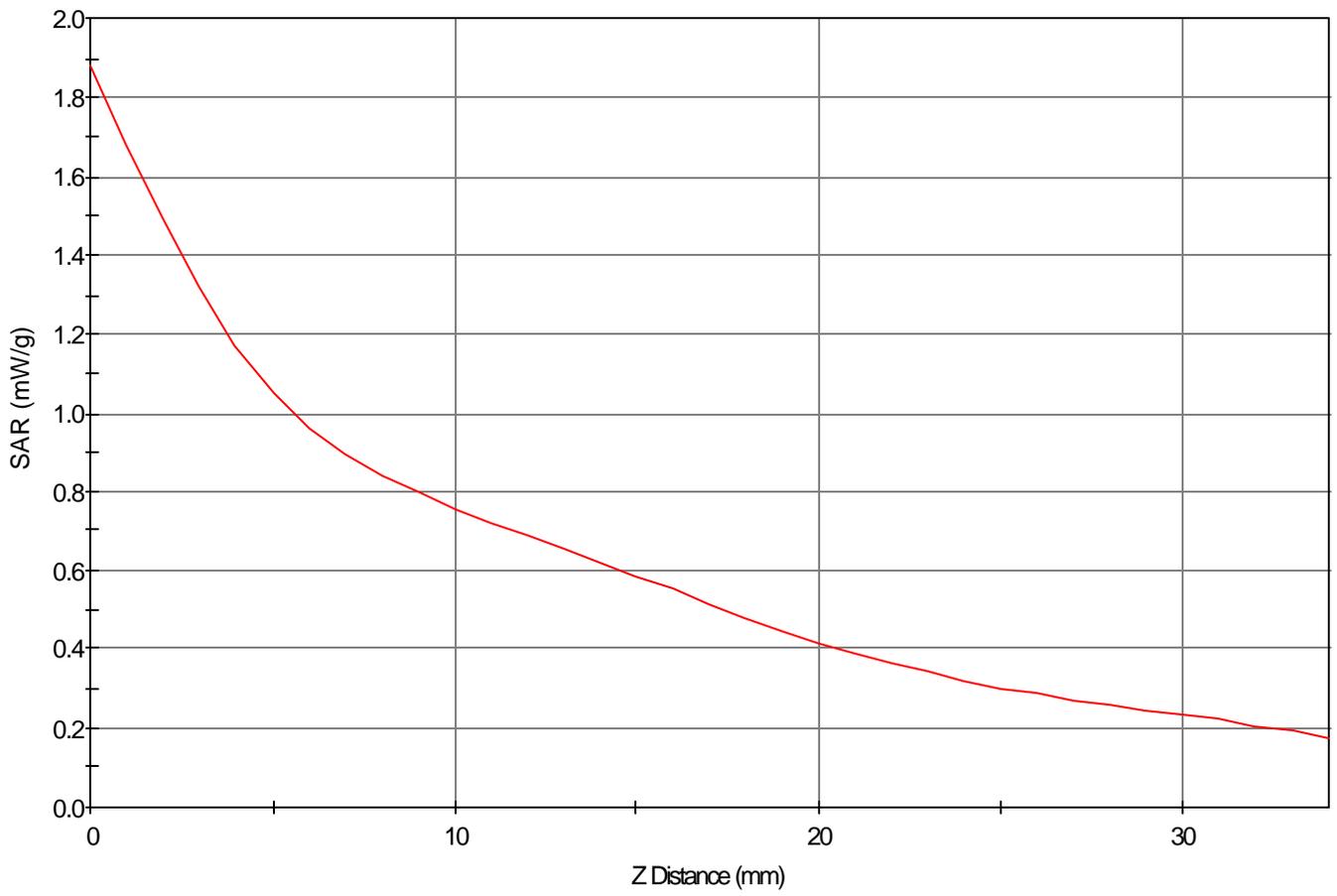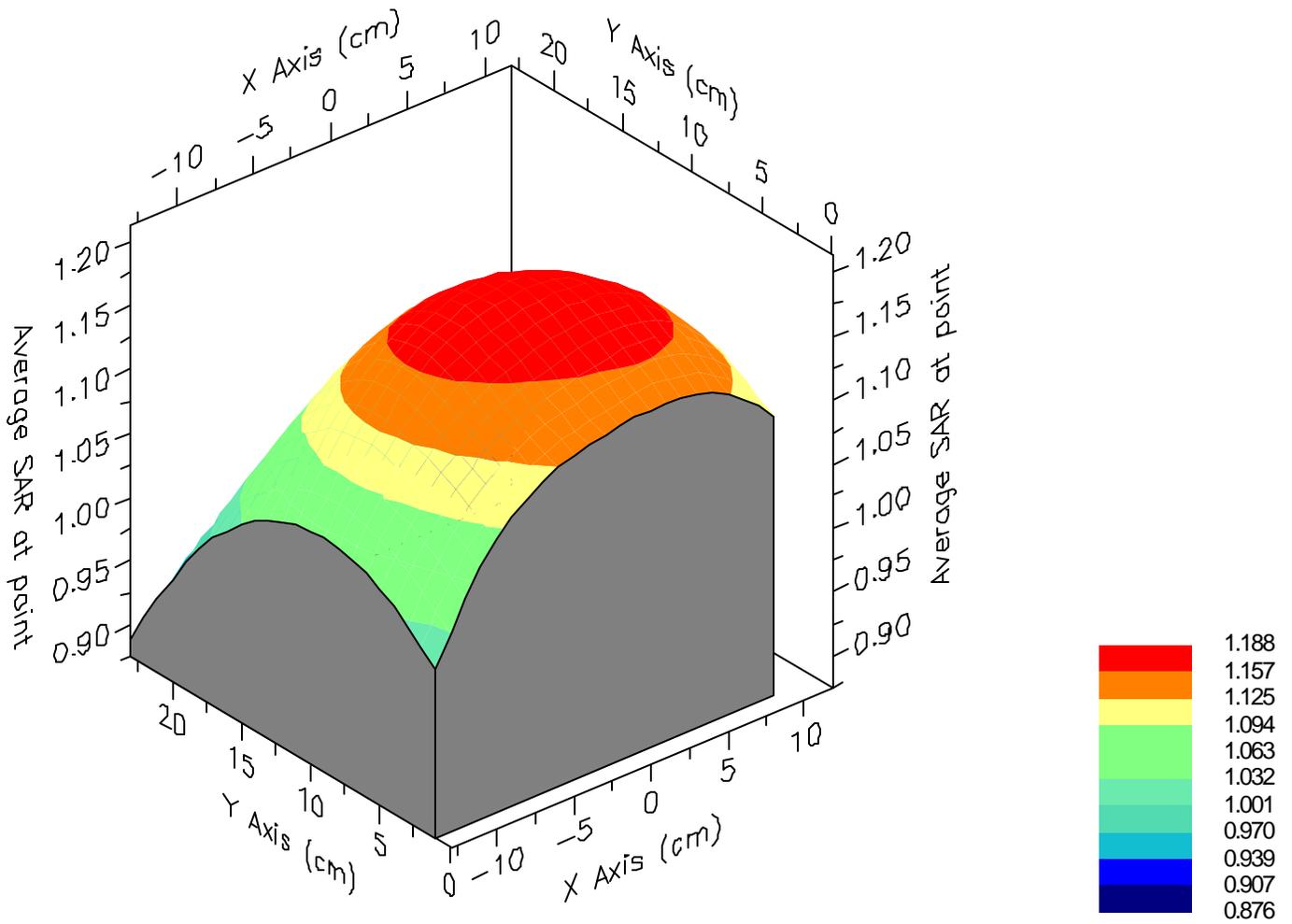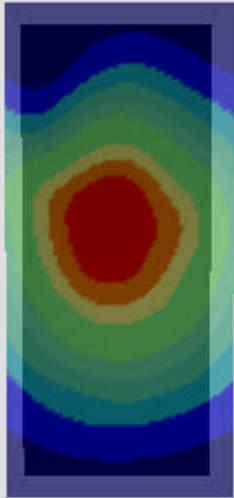
SAR - Z Axis
at Hotspot x:-2.0 y:11.0

# 1g SAR Values

X Axis (cm)

Y Axis (cm)

Average SAR at point

Average SAR at point

Y Axis (cm)

X Axis (cm)

1.188
1.157
1.125
1.094
1.063
1.032
1.001
0.970
0.939
0.907
0.876

```
SAR Data Report 05021636


   Start        : 16-Feb-05 06:41:40 pm
   End          : 16-Feb-05 06:48:16 pm
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type           : LGE
   Model Number   : F7200
   Serial Number  : 00103500016998000
   Frequency      : 848.80 MHz
   Transmit Pwr   : 2.000 W
   Antenna Type   : Helical
   Antenna Posn.  : Internal

Measurement Data:
   Phantom Name       : SAM FLAT
   Phantom Type       : Uniphantom
   Tissue Type        : Muscle
   Tissue Dielectric  : 52.200
   Tissue Conductivity : 0.940
   Tissue Density     : 1.000
   Robot Name         : CRS

Probe Data:
   Probe Name          : PCT005
   Probe Type          : E Fld Triangle
   Frequency           : 835 MHz
   Tissue Type         : Muscle
   Calibrated Dielectric  : 53.660
   Calibrated Conductivity :  0.980
   Calibrated Density     :  1.000
   Probe Offset        :  1.600 mm
   Conversion Factor   :  5.850
   Probe Sensitivity :  3.807   3.736   3.821   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00

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

Comments:
   GPRS MODE CH-251
   BODY - SLIDE OUT
   CF=4; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C


Power Drop Test:
   Reading @ start  = 2.244
   Reading @ End    = 2.275
   Power at End     = 101.4%



Area Scan - Max Peak SAR Value at x=0.0 y=-4.0 = 1.36 W/kg


Zoom Scan - Max Peak SAR Value at x=-16.0 y=9.0 z=0.0 = 2.82 W/kg


Max 1g SAR at x=-7.0 y=0.0 z=0.0 = 1.36 W/kg


Max 10g SAR at x=-2.0 y=-4.0 z=0.0 = 0.89 W/kg
```
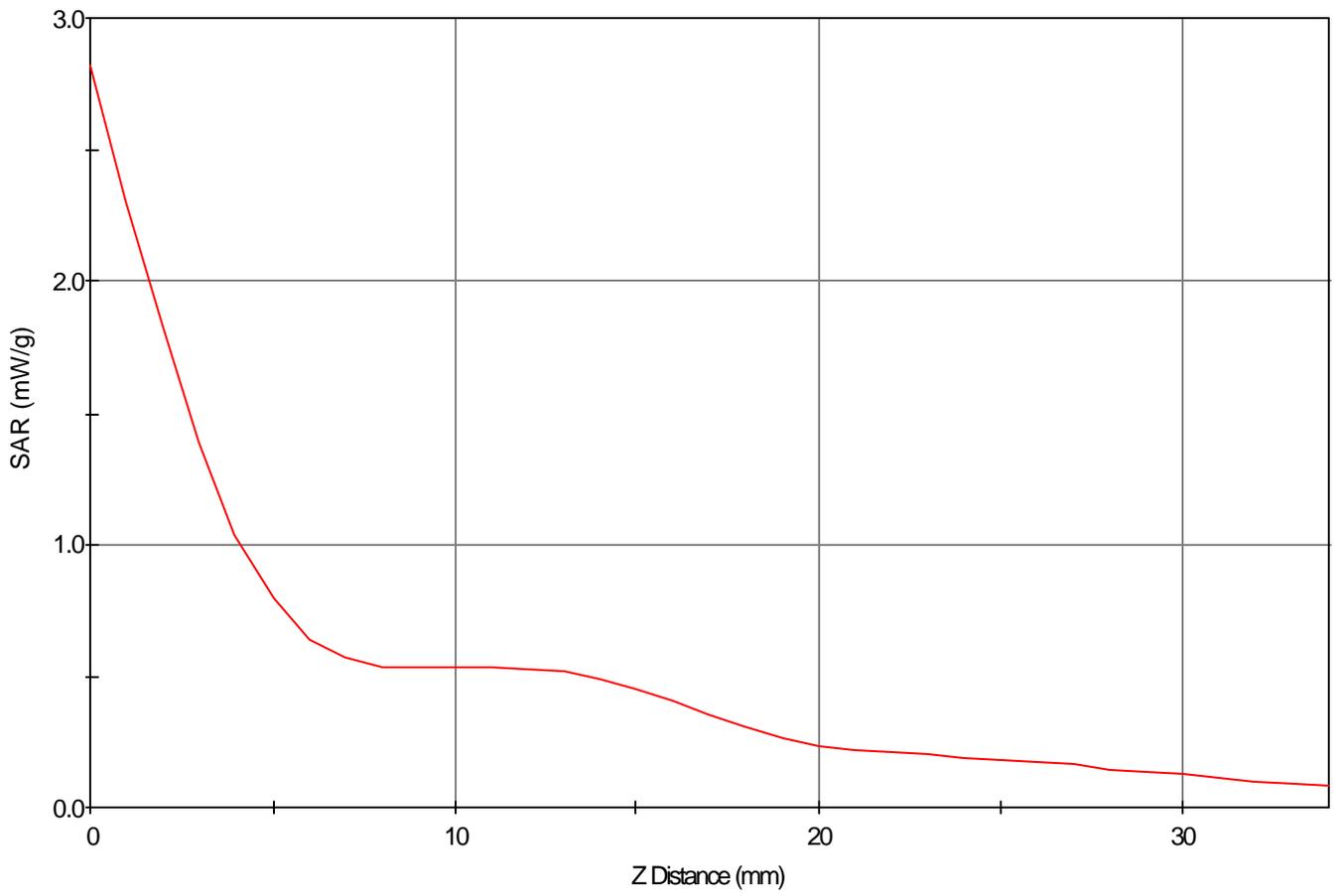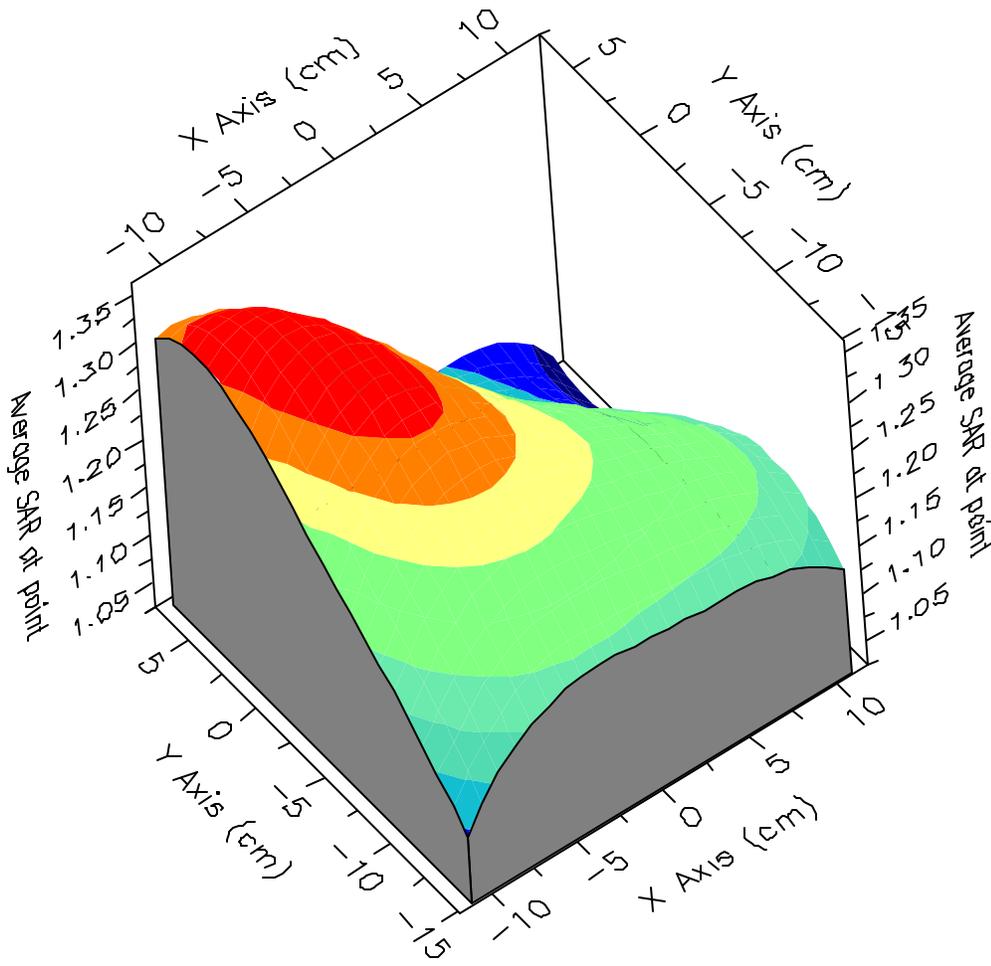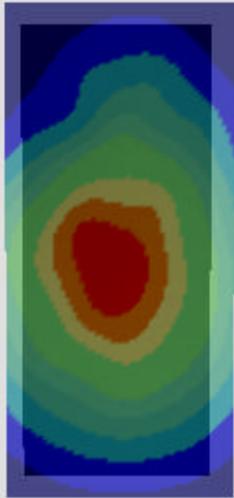
SAR - Z Axis
at Hotspot x:-16.0 y:9.0

# 1g SAR Values



| | |
|---|---|
| | 1.358 |
| | 1.326 |
| | 1.294 |
| | 1.261 |
| | 1.229 |
| | 1.197 |
| | 1.164 |
| | 1.132 |
| | 1.100 |
| | 1.068 |
| | 1.035 |

```
SAR Data Report 05021521


   Start        : 15-Feb-05 06:29:20 pm
   End          : 15-Feb-05 06:35:17 pm
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 1909.80 MHz
   Transmit Pwr    : 1.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal

Measurement Data:
   Phantom Name        : SAM FLAT
   Phantom Type        : Uniphantom
   Tissue Type         : Muscle
   Tissue Dielectric   : 54.150
   Tissue Conductivity : 1.500
   Tissue Density      : 1.000
   Robot Name          : CRS

Probe Data:
   Probe Name           : PCT005
   Probe Type           : E Fld Triangle
   Frequency            : 1900 MHz
   Tissue Type          : Muscle
   Calibrated Dielectric   : 51.810
   Calibrated Conductivity :  1.580
   Calibrated Density      :  1.000
   Probe Offset            :  1.600 mm
   Conversion Factor       :  5.500
   Probe Sensitivity :  5.115   4.969   4.453   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00

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

Comments:
   GPRS MODE CH-810
   BODY
   CF=4; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C


Power Drop Test:
   Reading @ start  = 0.283
   Reading @ End    = 0.278
   Power at End     = 98.0%


Area Scan - Max Peak SAR Value at x=-2.0 y=30.0 = 0.94 W/kg

Zoom Scan - Max Peak SAR Value at x=6.0 y=29.0 z=0.0 = 2.39 W/kg

Max 1g SAR at x=3.0 y=29.0 z=0.0 = 0.97 W/kg

Max 10g SAR at x=0.0 y=29.0 z=0.0 = 0.49 W/kg
```
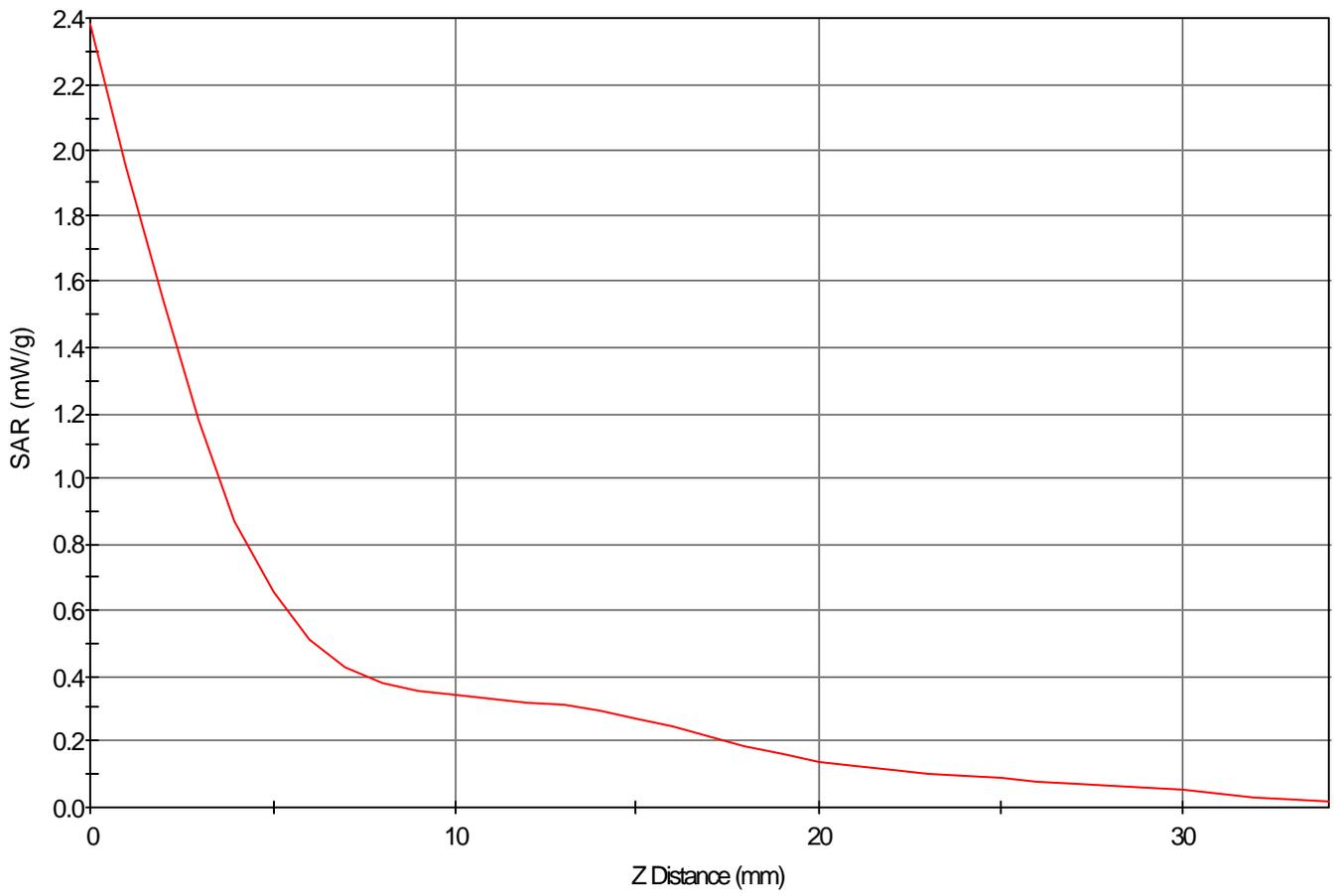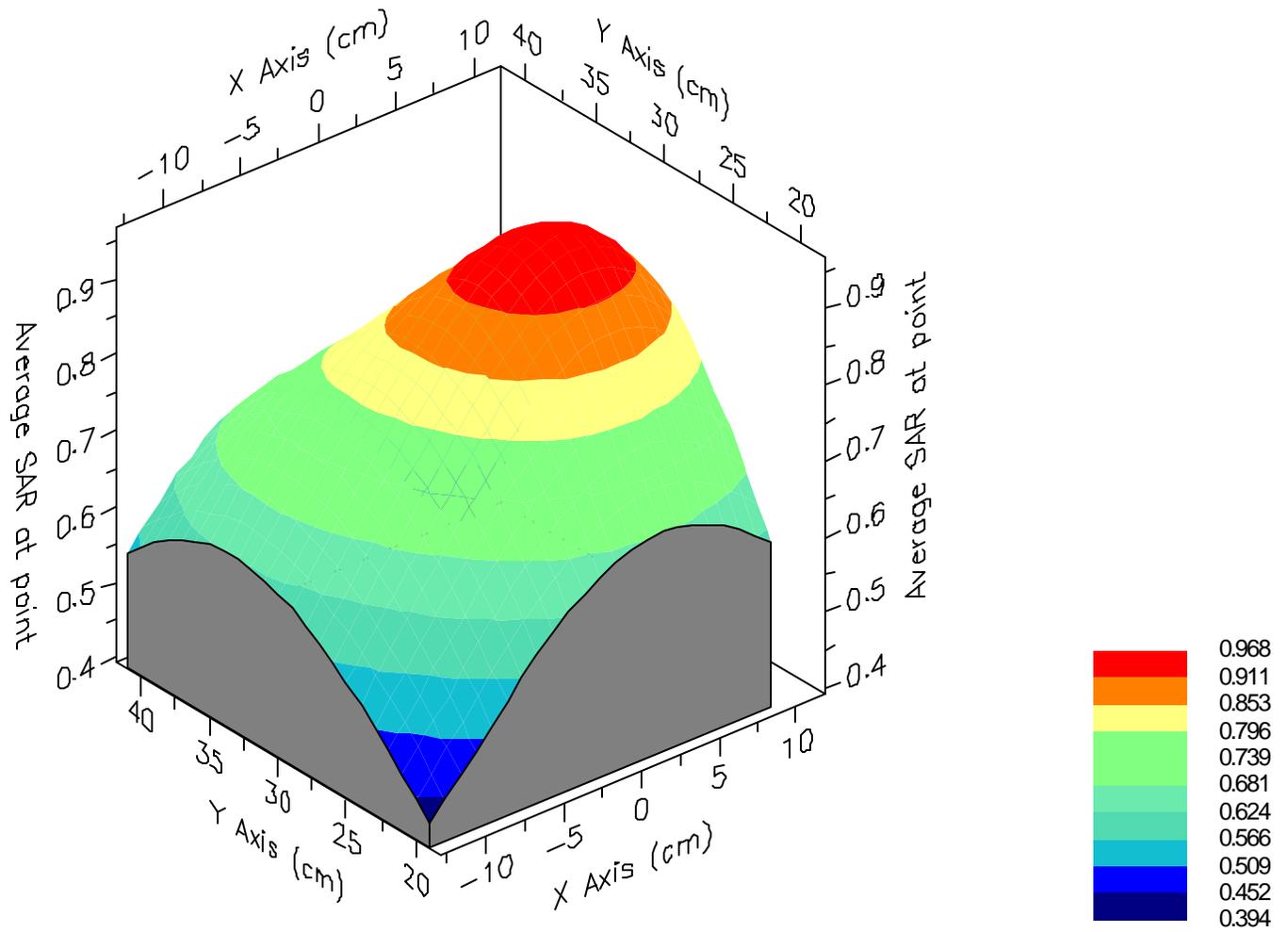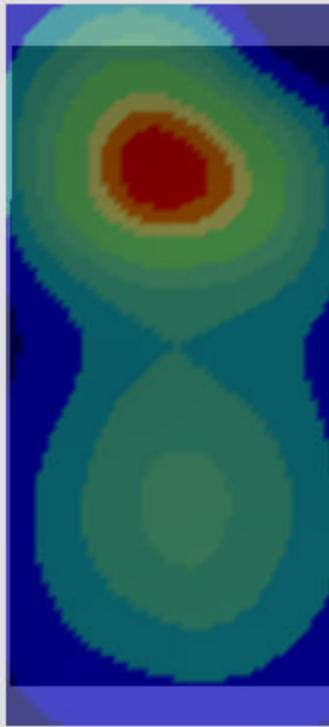
SAR - Z Axis
at Hotspot x:6.0 y:29.0

1g SAR Values

```
SAR Data Report 05021523


   Start        : 15-Feb-05 06:37:57 pm
   End          : 15-Feb-05 06:43:58 pm
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type            : LGE
   Model Number    : F7200
   Serial Number   : 00103500016998000
   Frequency       : 1909.80 MHz
   Transmit Pwr    : 1.000 W
   Antenna Type    : Helical
   Antenna Posn.   : Internal

Measurement Data:
   Phantom Name        : SAM FLAT
   Phantom Type        : Uniphantom
   Tissue Type         : Muscle
   Tissue Dielectric   : 54.150
   Tissue Conductivity : 1.500
   Tissue Density      : 1.000
   Robot Name          : CRS

Probe Data:
   Probe Name          : PCT005
   Probe Type          : E Fld Triangle
   Frequency           : 1900 MHz
   Tissue Type         : Muscle
   Calibrated Dielectric  : 51.810
   Calibrated Conductivity : 1.580
   Calibrated Density     : 1.000
   Probe Offset        : 1.600 mm
   Conversion Factor   : 5.500
   Probe Sensitivity : 5.115   4.969   4.453   mV/(mW/cm^2)
   Amplifier Gains   : 20.00   20.00   20.00

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

Comments:
   GPRS MODE CH-810
   BODY - SLIDE OUT
   CF=4; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C


Power Drop Test:
   Reading @ start  = 0.624
   Reading @ End    = 0.612
   Power at End     = 98.0%


Area Scan - Max Peak SAR Value at x=-5.0 y=14.0 = 1.30 W/kg

Zoom Scan - Max Peak SAR Value at x=-7.0 y=12.0 z=0.0 = 2.36 W/kg

Max 1g SAR at x=-6.0 y=14.0 z=0.0 = 1.19 W/kg

Max 10g SAR at x=-5.0 y=15.0 z=0.0 = 0.62 W/kg
```
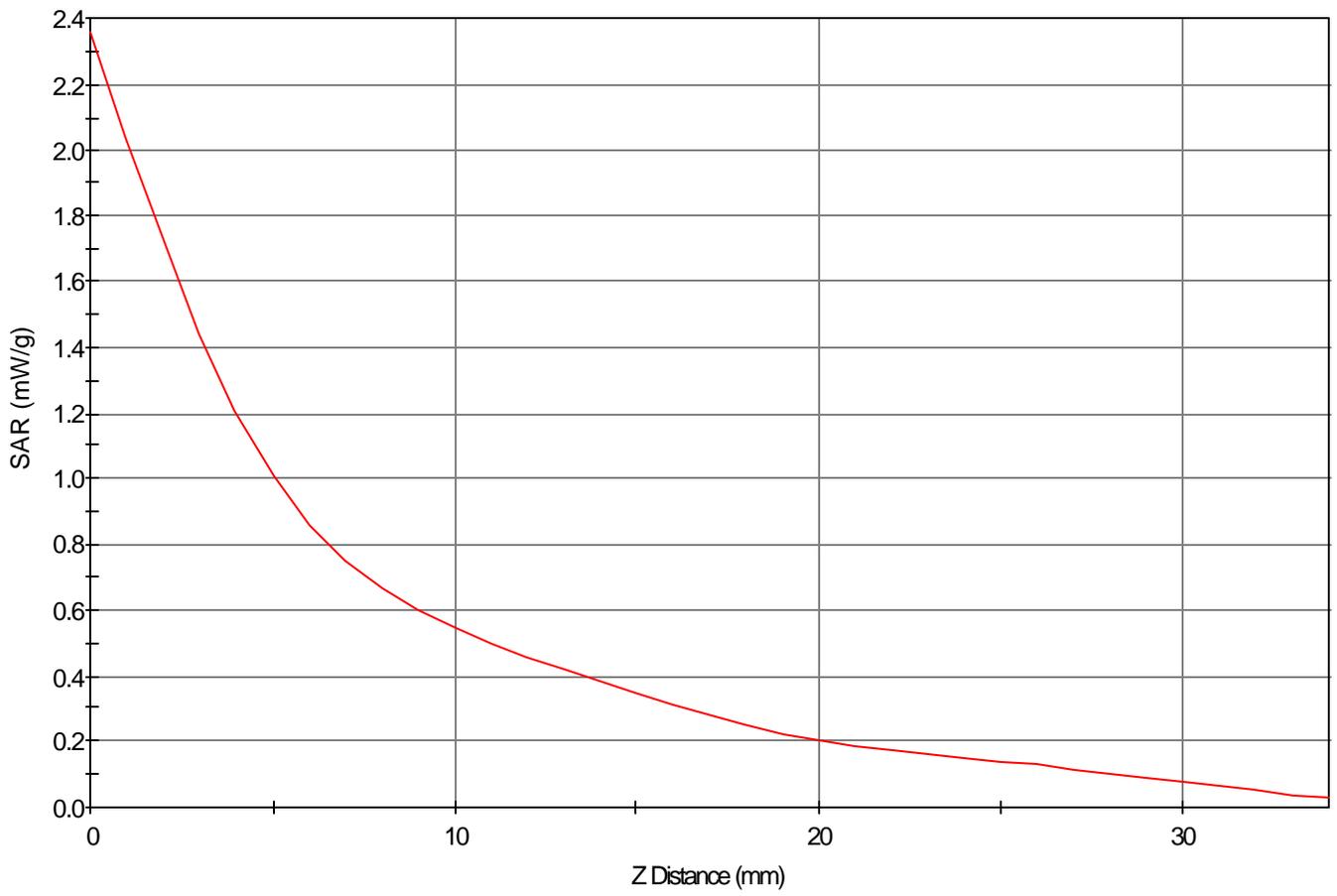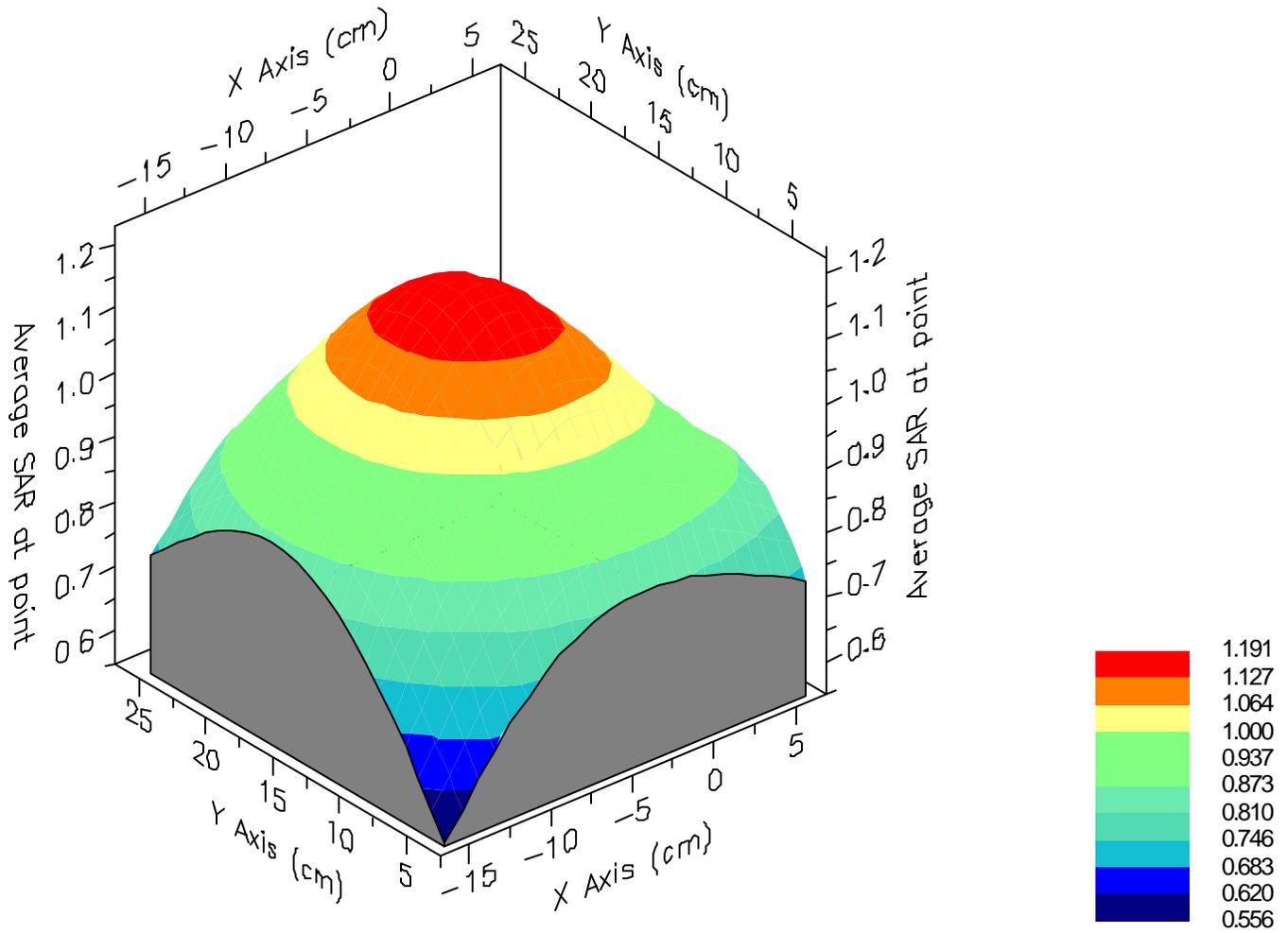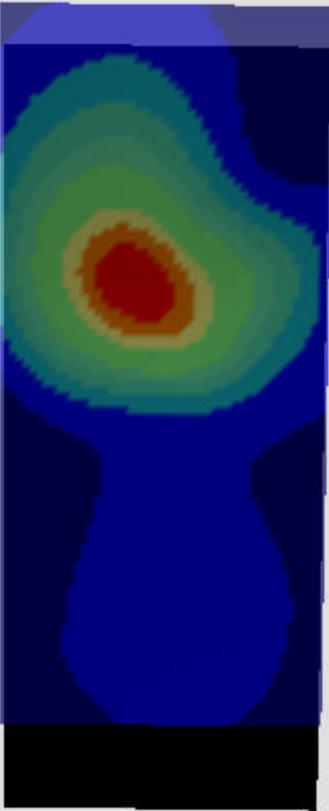
SAR - Z Axis
at Hotspot x:-7.0 y:12.0

1g SAR Values

# APPENDIX B:  DIPOLE VALIDATION

```
SAR Data Report 05021601

   Start       : 16-Jan-05 09:08:45 am
   End         : 16-Jan-05 09:16:03 am
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type          : Verification
   Model Number  : E-020
   Serial Number : PCT003
   Frequency     : 835 MHz
   Transmit Pwr  : 0.160 W
   Antenna Type  : Dipole
   Antenna Posn. : Verification

Measurement Data:
   Phantom Name       : SAM-FLAT2
   Phantom Type       : Uniphantom
   Tissue Type        : Brain
   Tissue Dielectric  : 40.150
   Tissue Conductivity : 0.890
   Tissue Density     : 1.000
   Robot Name         : CRS

Probe Data:
   Probe Name         : PCT005
   Probe Type         : E Fld Triangle
   Frequency          : 835 MHz
   Tissue Type        : Brain
   Calibrated Dielectric  : 40.810
   Calibrated Conductivity :  0.870
   Calibrated Density     :  1.000
   Probe Offset       :  1.600 mm
   Conversion Factor  :  5.500
   Probe Sensitivity :  3.807   3.736   3.821   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00

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

Comments:
   Verification

   CF=1; Amb. Temp= 22.6 'C; Liq. Temp=21.1 'C


Power Drop Test:
   Reading @ start  = 2.134
   Reading @ End    = 2.159
   Power at End     = 101.2%


Area Scan - Max Peak SAR Value at x=-2.0 y=0.0 = 1.50 W/kg

Zoom Scan - Max Peak SAR Value at x=-5.0 y=1.0 z=0.0 = 2.17 W/kg

Max 1g SAR at x=-2.0 y=1.0 z=0.0 = 1.46 W/kg

Max 10g SAR at x=-2.0 y=1.0 z=0.0 = 0.94 W/kg

Validation Results at 0.16 W:
Peak Nominal = 2.3, Error:  -3.96 %
1g Nominal   = 1.5, Error:  -3.69 %
```
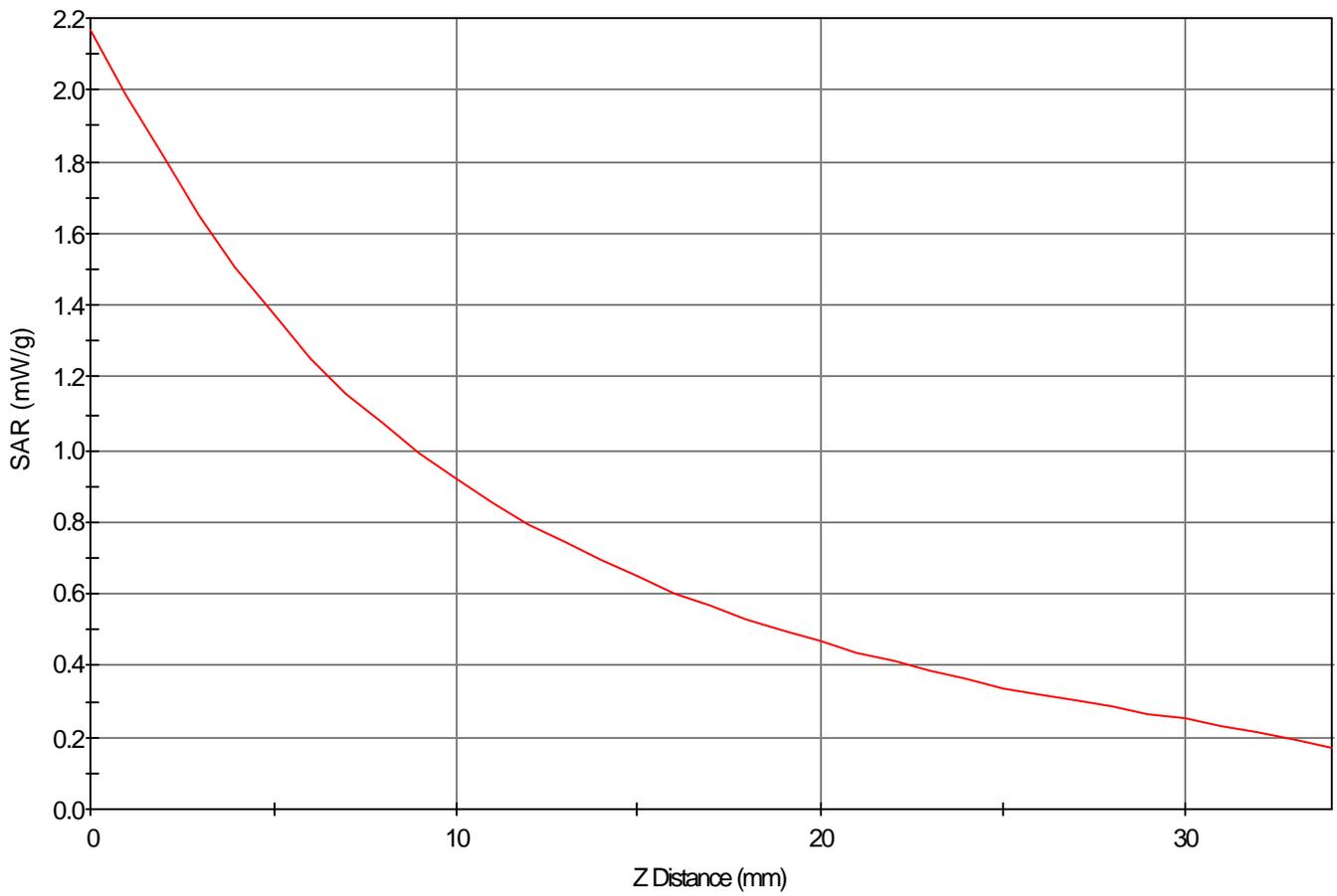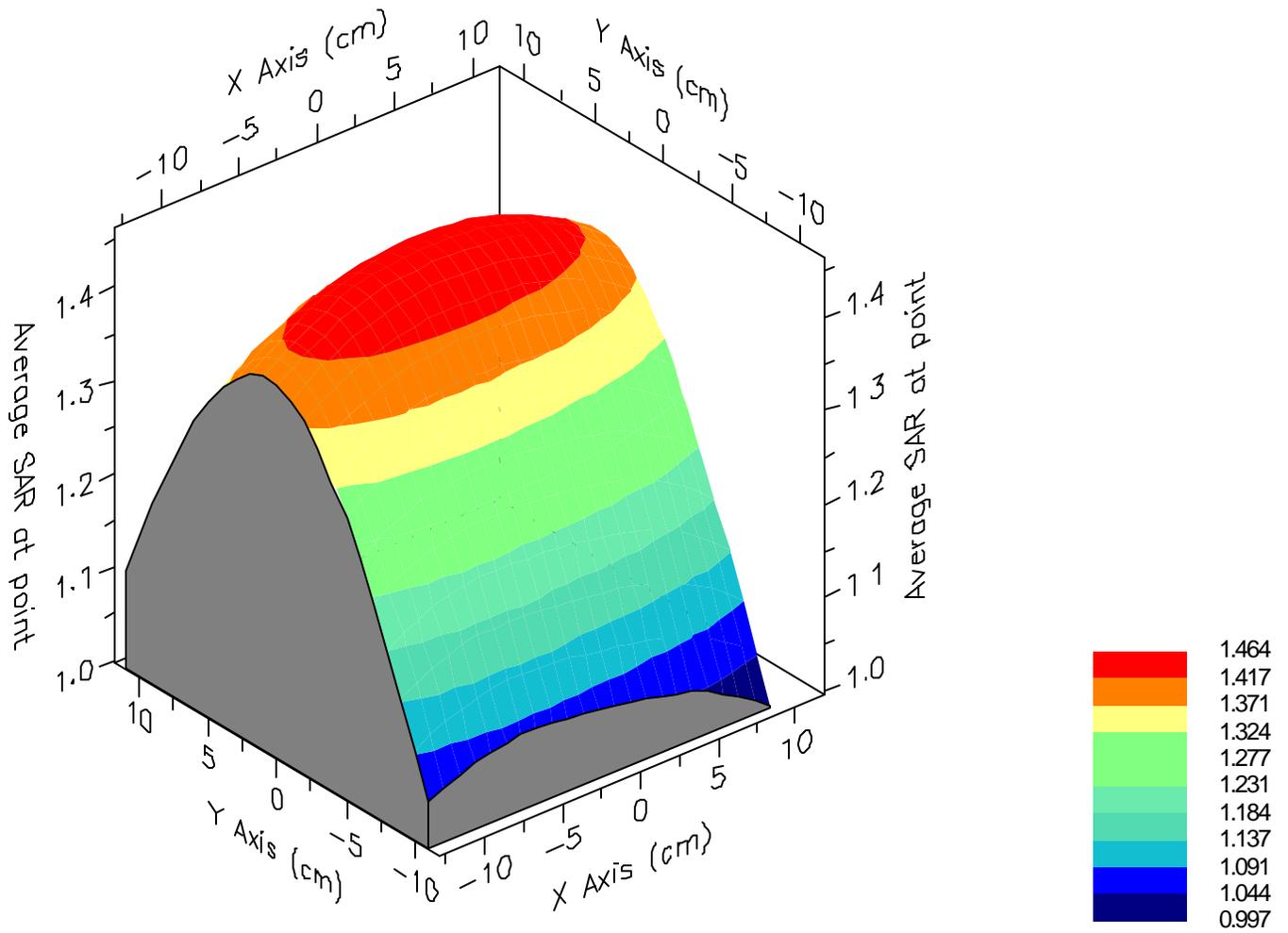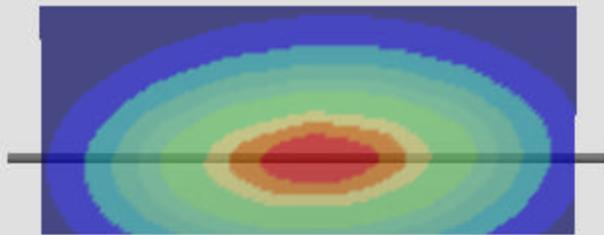
SAR - Z Axis
at Hotspot x:-5.0 y:1.0

1g SAR Values

```
SAR Data Report 05021501

   Start       : 15-Feb-05 08:54:41 am
   End         : 15-Feb-05 09:01:35 am
   Code Version : 4.08
   Robot Version: 4.08

Product Data:
   Type             : Verification
   Model Number     : E-020
   Serial Number    : PCT003
   Frequency        : 1900 MHz
   Transmit Pwr     : 0.040 W
   Antenna Type     : Dipole
   Antenna Posn.    : Verification

Measurement Data:
   Phantom Name        : SAM-FLAT2
   Phantom Type        : Uniphantom
   Tissue Type         : Brain
   Tissue Dielectric   : 39.990
   Tissue Conductivity : 1.370
   Tissue Density      : 1.000
   Robot Name          : CRS

Probe Data:
   Probe Name          : PCT005
   Probe Type          : E Fld Triangle
   Frequency           : 1900 MHz
   Tissue Type         : Brain
   Calibrated Dielectric  : 39.020
   Calibrated Conductivity :  1.370
   Calibrated Density     :  1.000
   Probe Offset        :  1.600 mm
   Conversion Factor   :  4.600
   Probe Sensitivity :  5.115   4.969   4.453   mV/(mW/cm^2)
   Amplifier Gains   :  20.00   20.00   20.00

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

Comments:
   1900MHz Verification

   CF=1; Amb. Temp= 22.5 'C; Liq. Temp=21.1 'C


Power Drop Test:
   Reading @ start  = 1.546
   Reading @ End    = 1.562
   Power at End     = 101.0%


Area Scan - Max Peak SAR Value at x=-3.0 y=-1.0 = 1.76 W/kg

Zoom Scan - Max Peak SAR Value at x=-2.0 y=-1.0 z=0.0 = 3.17 W/kg

Max 1g SAR at x=-2.0 y=0.0 z=0.0 = 1.70 W/kg

Max 10g SAR at x=-2.0 y=-1.0 z=0.0 = 0.82 W/kg

Validation Results at 0.04 W:
Peak Nominal = 2.9, Error:  9.91 %
1g Nominal   = 1.6, Error:  6.90 %
```
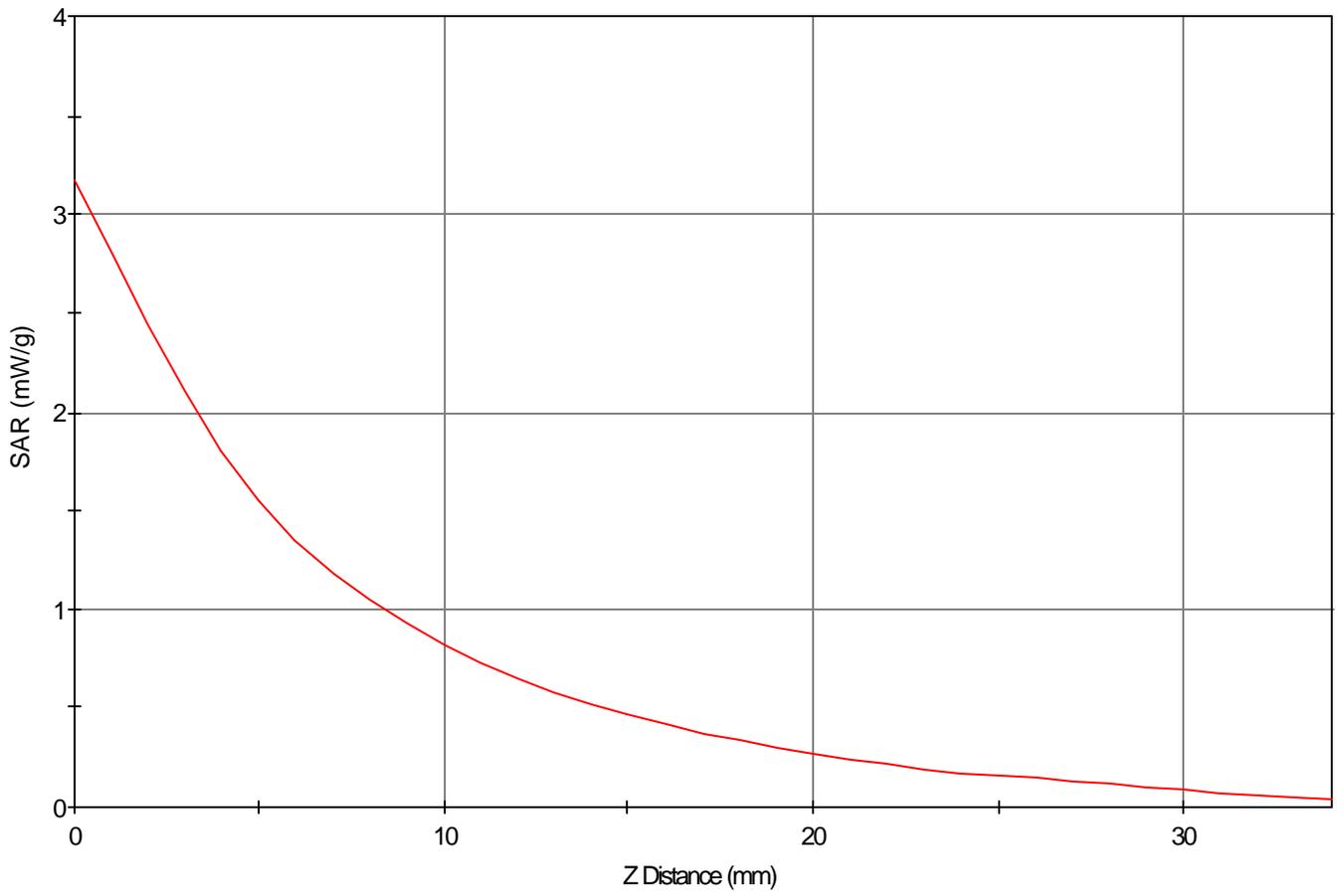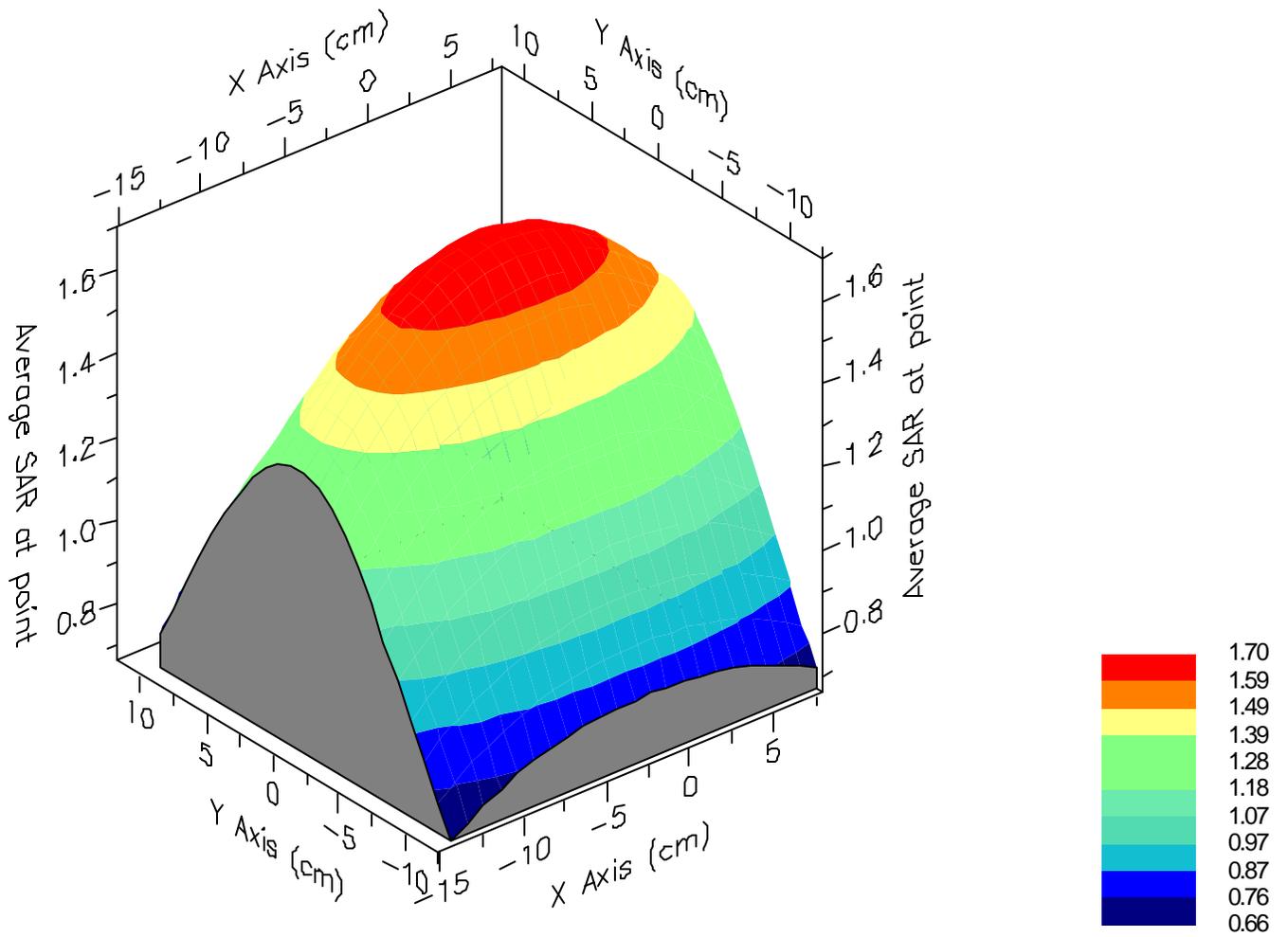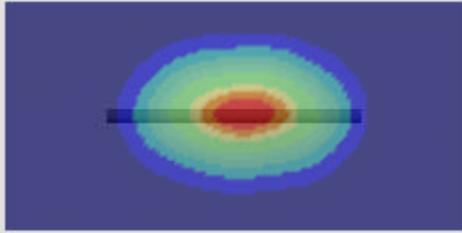
SAR - Z Axis
at Hotspot x:-2.0 y:-1.0

1g SAR Values
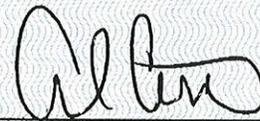
# APPENDIX C:  PROBE CALIBRATION

# Probe E-020

# SN: PCT005

Manufactured:      November 10, 2004
Calibrated:         January 17, 2005

Calibrated for the IDX System

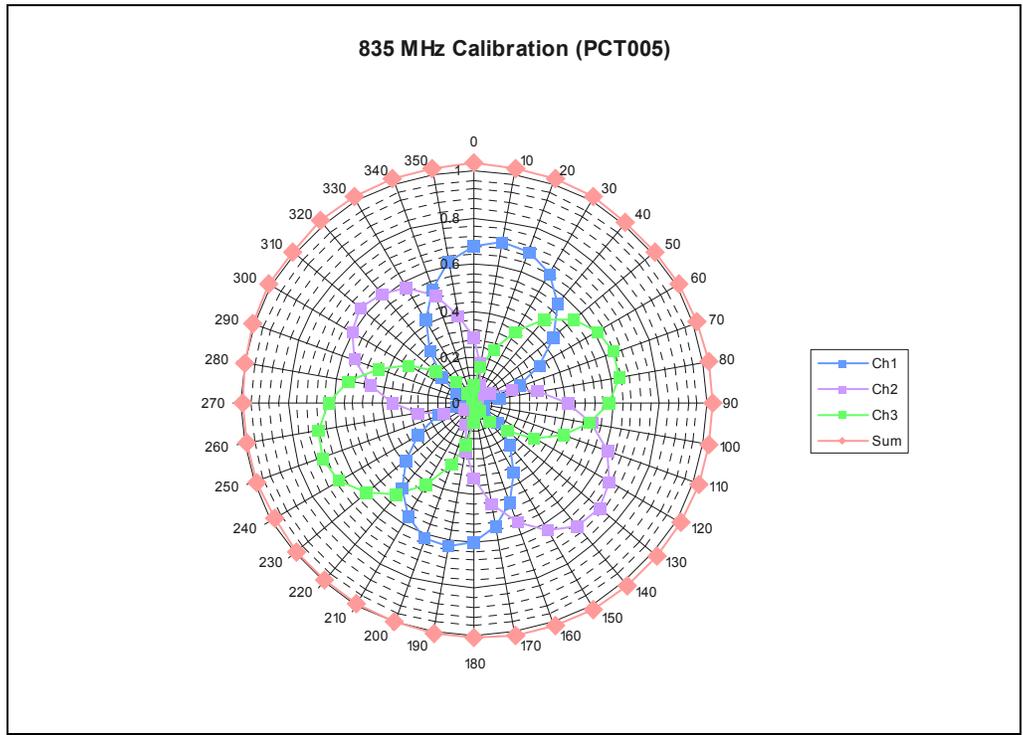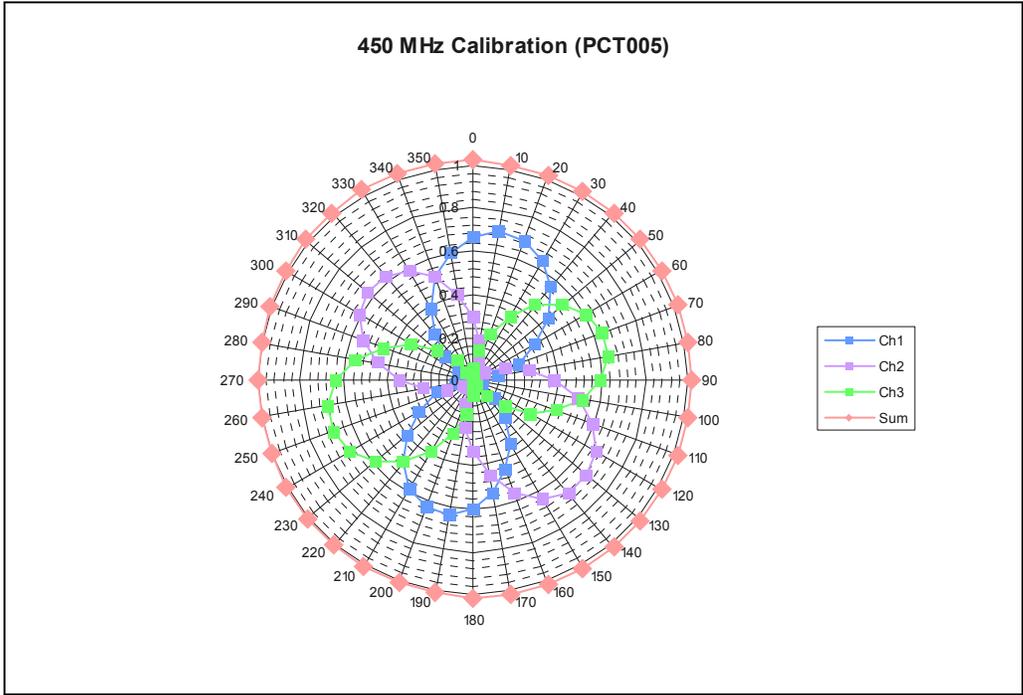PCTEST Calibration Laboratory

Approved By: _____

**Alfred Cirwithian**
**Vice President Engineering**

Calibration is performed according to IEEE Std. 1528 - 2003
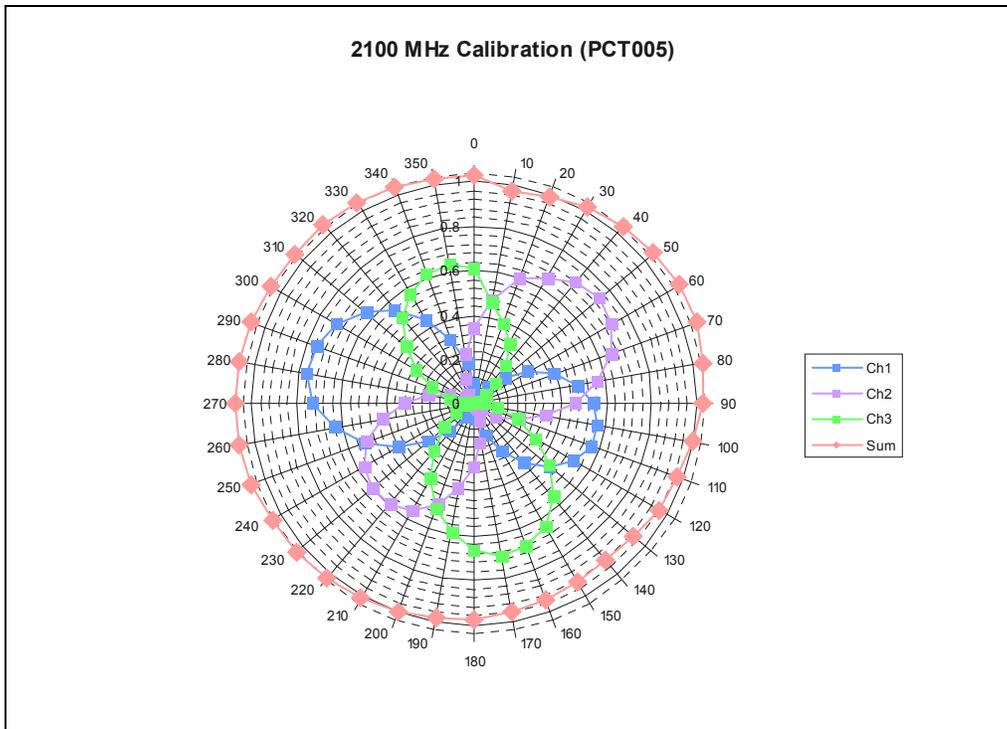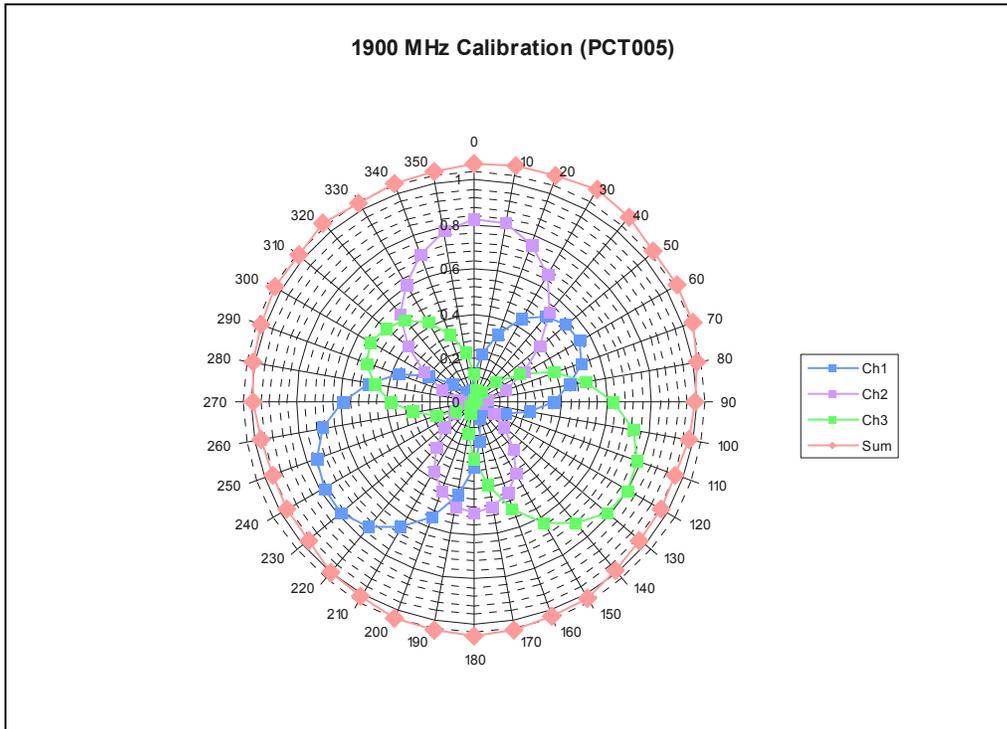and all test equipment used is traceable to U.S. NIST.

**PCTEST Calibration Laboratory**
6660-B Dobbin Road
Columbia, Maryland 21045 USA

## Calibration Summary
Model: E-020
S/N: PCT005

| Tissue Type | Frequency (MHz) | Dielectric Constant $\varepsilon_r$ | Conductivity (S/m) $\sigma$ | Conversion Factor $\gamma_x, \gamma_y, \gamma_z$ |
|---|---|---|---|---|
| Brain | 450 | 44.41 | 0.88 | 8.8 |
| Brain | 835 | 40.81 | 0.87 | 5.5 |
| Brain | 1900 | 39.02 | 1.37 | 5.4 |
| Brain | 2100 | 41.11 | 1.39 | 5.25 |
| Muscle | 450 | 57.70 | 0.96 | 9.24 |
| Muscle | 835 | 53.66 | 0.98 | 5.85 |
| Muscle | 1900 | 51.81 | 1.58 | 5.5 |
| Muscle | 2100 | 52.23 | 1.53 | 5.3 |

| Frequency (MHz) | Isotropy | |
|---|---|---|
| | % | dB |
| 450 | 1.23 | 0.05 |
| 835 | 2.12 | 0.09 |
| 1900 | 6.61 | 0.28 |
| 2100 | 7.61 | 0.32 |

**Boundary Effect** < 2%, 2.5 mm from probe tip to phantom

**Diode Compression Point:** 120 mV

**Environmental Conditons:**
Temperature: 22.6 $^o$C
Relative Humidity: 41%
Barometer: 101.2 kPa

--------------------  .

This probe was calibrated under the IEEE Std 1309-1966, *IEEE Standard for Calibration of Electromagnetic Field Sensors and Probes, Excluding Antennas, from 9 kHz to 40 GHz.*

Calibrated By: _____  Date: __1/17/05__

![PCTEST Complete Wireless Lab www.pctestlab.com]

# PCTEST Calibration Laboratory

6660-B Dobbin Road
Columbia, Maryland 21045 USA



**450 MHz Calibration (PCT005)**



**835 MHz Calibration (PCT005)**

© 2005 PCTEST

Calibrated By: _____ Date: _9/06/04_

**1900 MHz Calibration (PCT005)**



**2100 MHz Calibration (PCT005)**

Calibrated By: _____   Date: __09/06/04__

**Verification of Isotropy for PCT005**
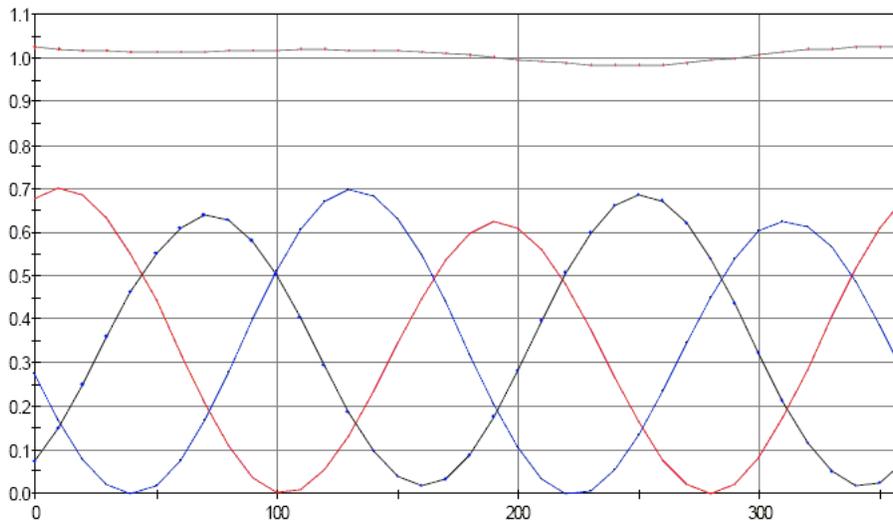
Calibrated By: _____ Date: _9/06/04_

TEM Calibration Plot
Date: 13-Jan-05 04:03:28 pm
Probe Name: PCT005
Frequency: 450
Sensitivity:   Ch1: 3.320 Ch2: 3.289 Ch3: 3.267 mV/(mW/cm^2)
Isotropicity:  1.23%  0.05 db Min=0.993 Max=1.019
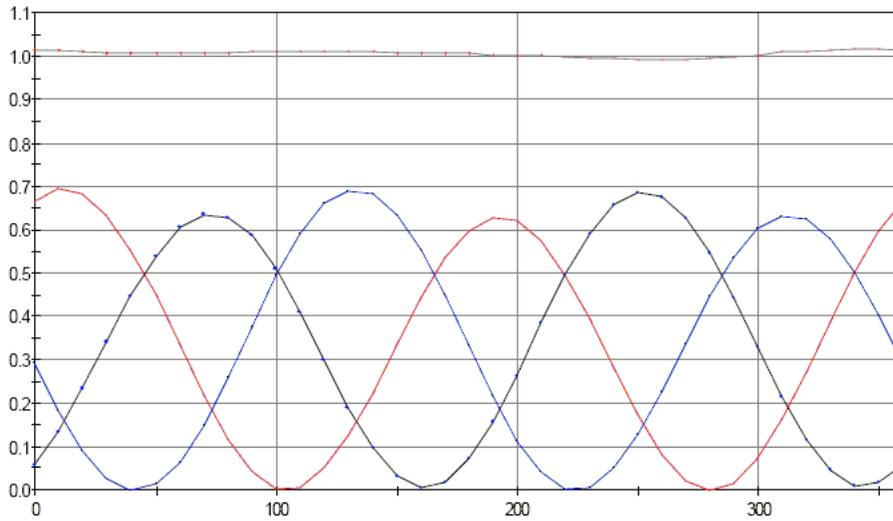


TEM Calibration Plot
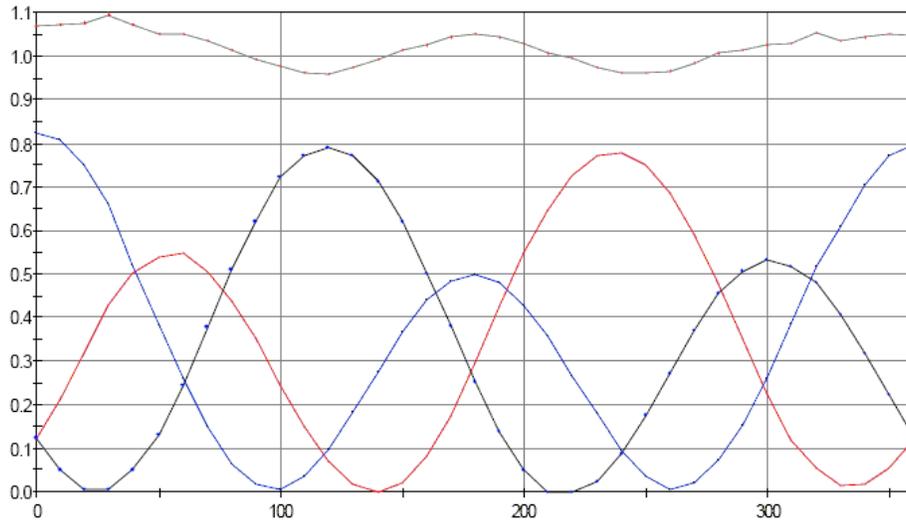Date: 13-Jan-05 03:41:45 pm
Probe Name: PCT005
Frequency: 835
Sensitivity:   Ch1: 3.807 Ch2: 3.736 Ch3: 3.821 mV/(mW/cm^2)
Isotropicity:  2.12%  0.09 db Min=0.985 Max=1.028

Calibrated By: _____  Date: __9/06/04__

TEM Calibration Plot
Date: 14-Jan-05 11:08:15 am
Probe Name: PCT005
Frequency: 1900
Sensitivity:   Ch1: 5.115 Ch2: 4.969 Ch3: 4.453 mV/(mW/cm^2)
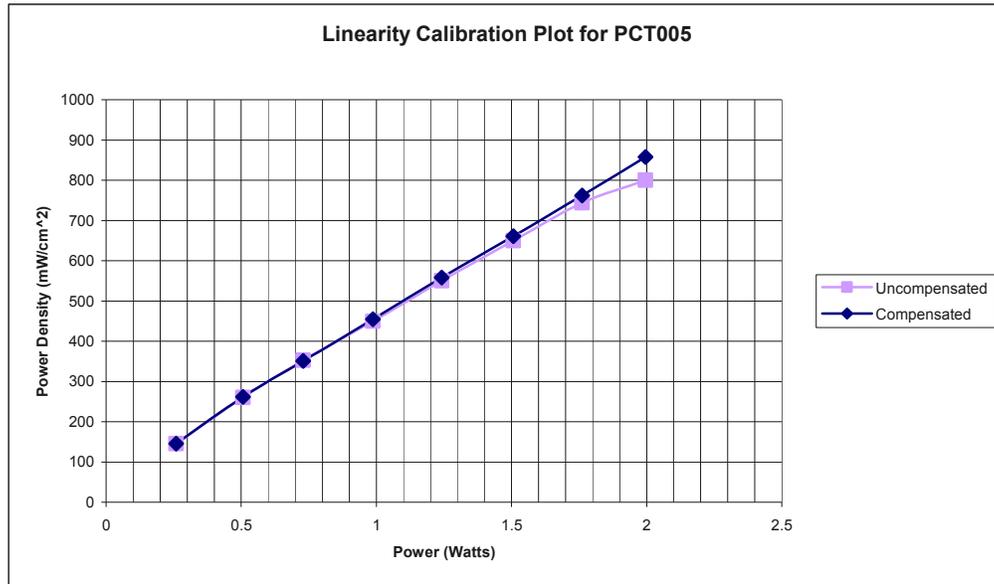Isotropicity:  6.79%  0.29 db Min=0.961 Max=1.097



TEM Calibration Plot
Date: 14-Jan-05 11:38:38 am
Probe Name: PCT005
Frequency: 2100
Sensitivity:   Ch1: 5.496 Ch2: 4.887 Ch3: 5.267 mV/(mW/cm^2)
Isotropicity:  7.61%  0.32 db Min=0.921 Max=1.074
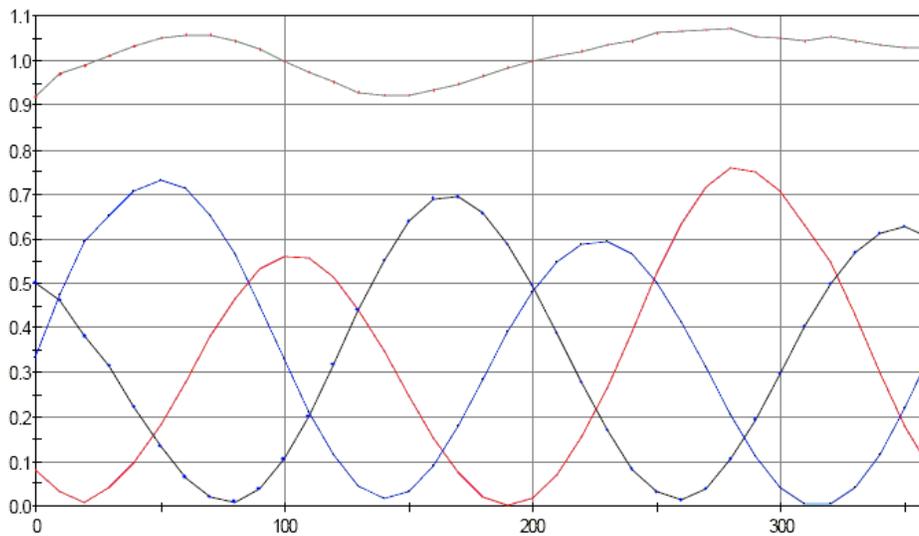
Calibrated By: _____ Date: _0/06/04_

**Linearity Calibration Plot for PCT005**



## Probe Physical Characteristics

Serial Number:                PCT005
Model:                        E-020

Sensor Offset:                1.56 mm
Sensor Length:                2.5 mm
Tip Enclosure:                Ertalyte
Tip Diameter:                 5 mm
Tip Length:                   60 mm
Total Length:                 290 mm

Calibrated By: _____ Date: ___9/06/04___

## Test Equipment

The test equipment used during the probe calibration are listed as follows:

| EQUIPMENT SPECIFICATIONS | | |
|---|---|---|
| Type | Calibration Due | Asset Number/ Serial Number |
| CRS Robot F3 | February 2005 | RAF0134133 |
| CRS C500C Motion Controller | February 2005 | RCB0003303 |
| CRS Teach Pendant (Joystick) | February 2005 | STP0132231 |
| DELL Computer, Pentium 4 1.6 GHz, Windows 2000™ | February 2005 | 4PJZ111 |
| Flat SAM Phantom (P-SAM-FLAT) | February 2005 | 94X-097 |
| IDX Robot End Effector (EE-103-C) | February 2005 | 07111223 |
| IDX Probe Amplifier | February 2005 | 07111113 |
| Validation Dipole D835V2 | October 2005 | PCT441 |
| Validation Dipole D1900V2 | February 2005 | PCT512 |
| Validation Dipole D2450V2 | October 2005 | PCT641 |
| HP-778D Dual-Directional Coupler (0.1 ~ 2.0 GHz) | November 2005 | PCT664 |
| MicroCircuits Directional Coupler (4.0 ~ 8.0 GHz) | November 2005 | PE2204-6 |
| Amplifier Research 5S1G4 Power Amp | January 2005 | PCT540 |
| IFI T184-10 Power Amplifier (4.0 ~ 18.0 GHz) | December 2005 | 5957 |
| HP-8241A (250kHz ~ 20 GHz) Signal Generator | December 2005 | 88934 |
| HP-8753E (30kHz ~ 6GHz) Network Analyzer | January 2006 | PCT552 |
| Rohde & Schwarz Power Meter NRVS 1020.1809.02 | January 2006 | 835360/079 |
| Rohde & Schwarz Power Sensor NRV-Z53 858.0500.02 | April 2005 | 846076/007 |
| HP85070B Dielectric Probe Kit | January 2005 | PCT501 |
| IFI CC110EXX TEM Cell (DC to 2000 MHz) | January 2006 | PCT498 |
| EMCO 3115 Horn Antenna (2.0 ~ 18.0 GHz) | August 2005 | PCT496 |
| Guildline 5150 Precision Dual-Thermometer | November 2005 | 66145 |

Calibrated By: _____ Date: _09/06/04_