

SAR Data Report 03120811

Start : 8-Dec-03 11:18:54 am
End : 8-Dec-03 11:28:23 am
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A790
Serial Number : 2
Frequency : 835.89 MHz
Transmit Pwr : 0.355 W
Antenna Type : Helical
Antenna Posn. : Out

Measurement Data:

Phantom Name : SAM-RIGHT
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 40.210
Tissue Conductivity : 0.890
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= 22.1 'C; Liq. Temp=20.4 'C

Power Drop Test:

Reading @ start = 0.335
Reading @ End = 0.323
Power at End = 96.3%

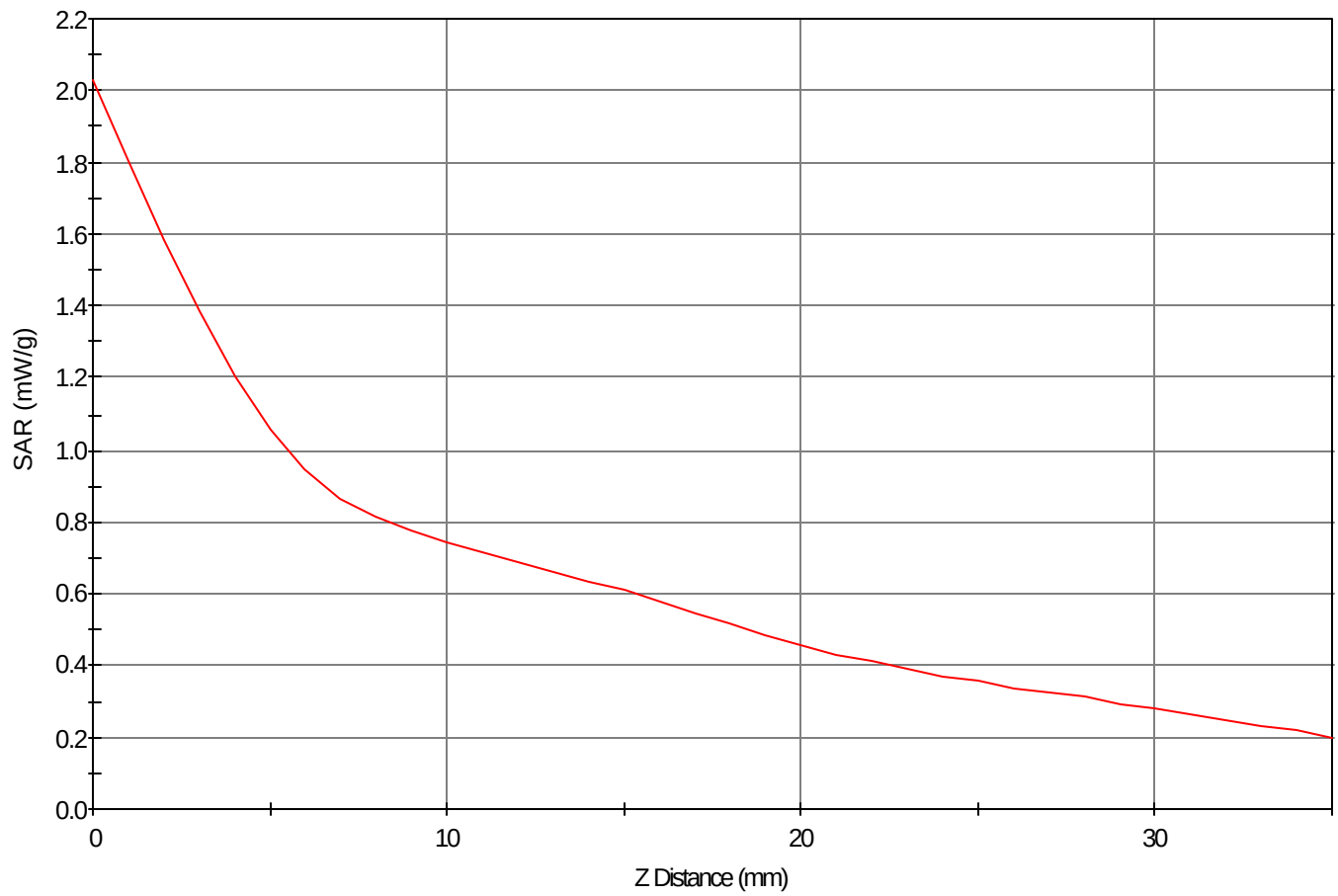
Area Scan - Max Peak SAR Value at x=77.0 y=14.0 = 1.43 W/kg

Zoom Scan - Max Peak SAR Value at x=62.0 y=8.0 z=0.0 = 2.03 W/kg

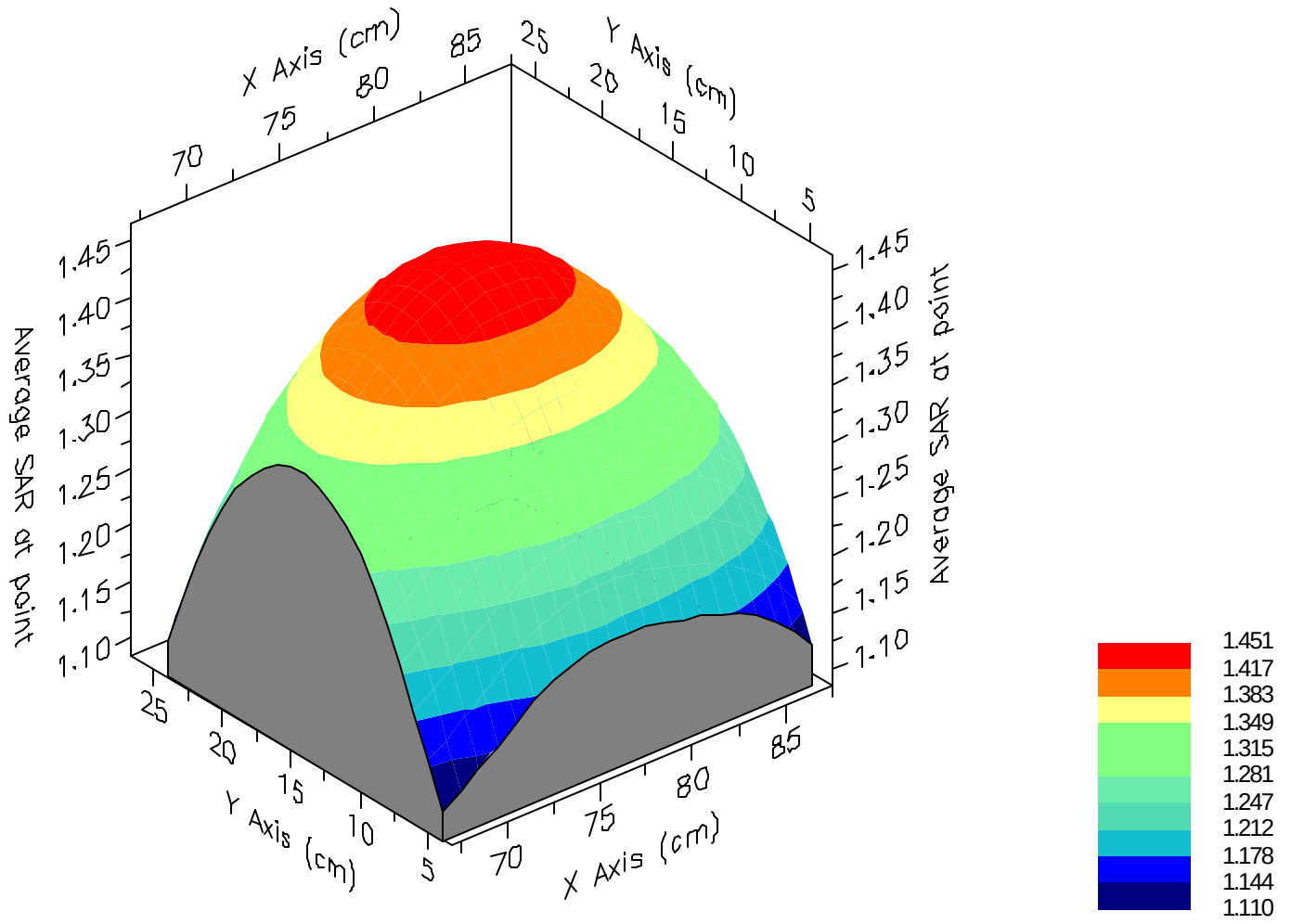
Max 1g SAR at x=77.0 y=15.0 z=0.0 = 1.45 W/kg

Max 10g SAR at x=76.0 y=15.0 z=0.0 = 0.99 W/kg

SAR - Z Axis
at Hotspot x:62.0 y:8.0



1g SAR Values





SAR Data Report 03120841

Start : 8-Dec-03 05:52:00 pm
End : 8-Dec-03 05:58:24 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A790
Serial Number : 3F0F5FE2
Frequency : 835.89 MHz
Transmit Pwr : 0.355 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-RIGHT
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 40.210
Tissue Conductivity : 0.890
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= 22.1 'C; Liq. Temp=20.4 'C

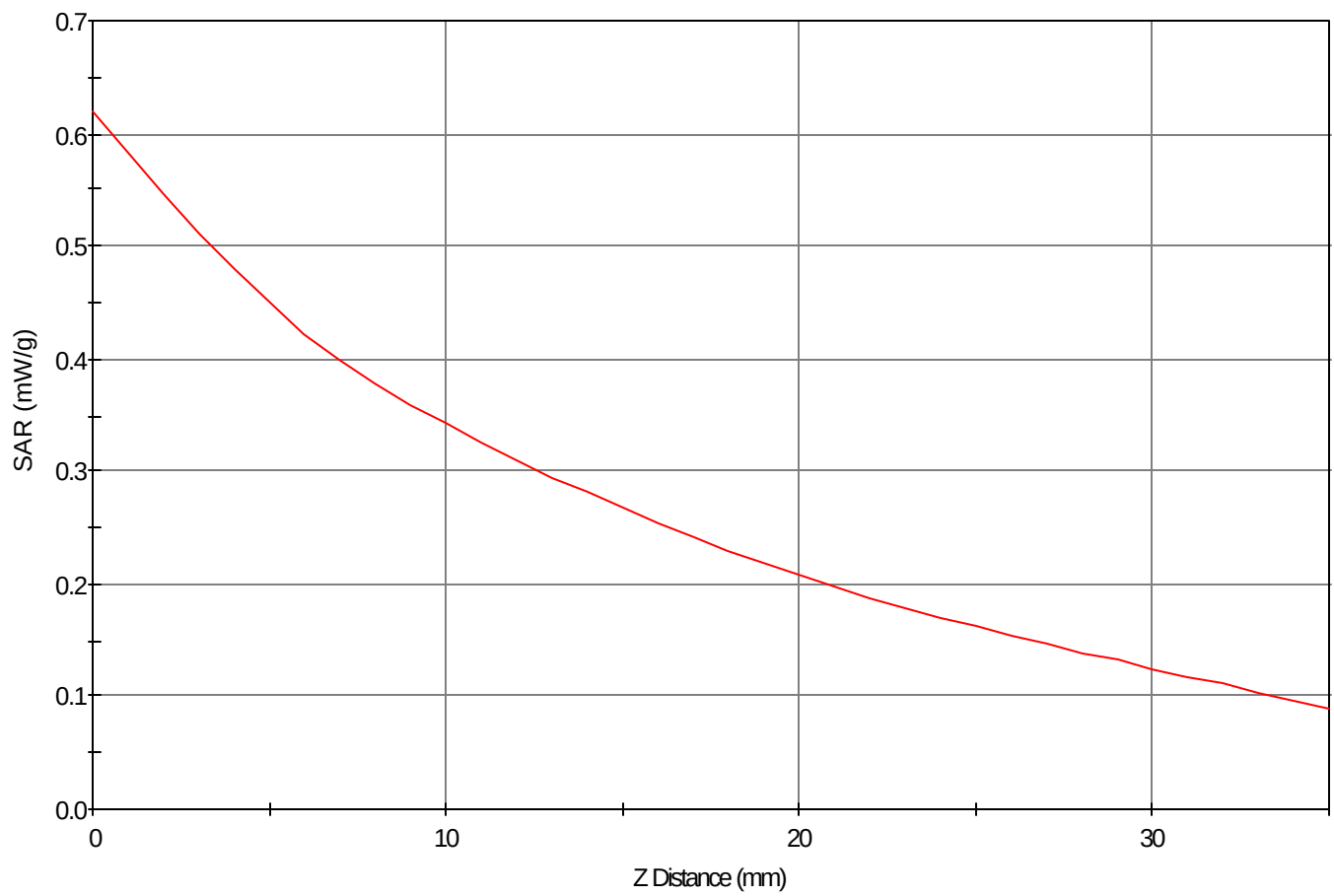
Area Scan - Max Peak SAR Value at x=66.0 y=15.0 = 0.45 W/kg

Zoom Scan - Max Peak SAR Value at x=54.0 y=22.0 z=0.0 = 0.62 W/kg

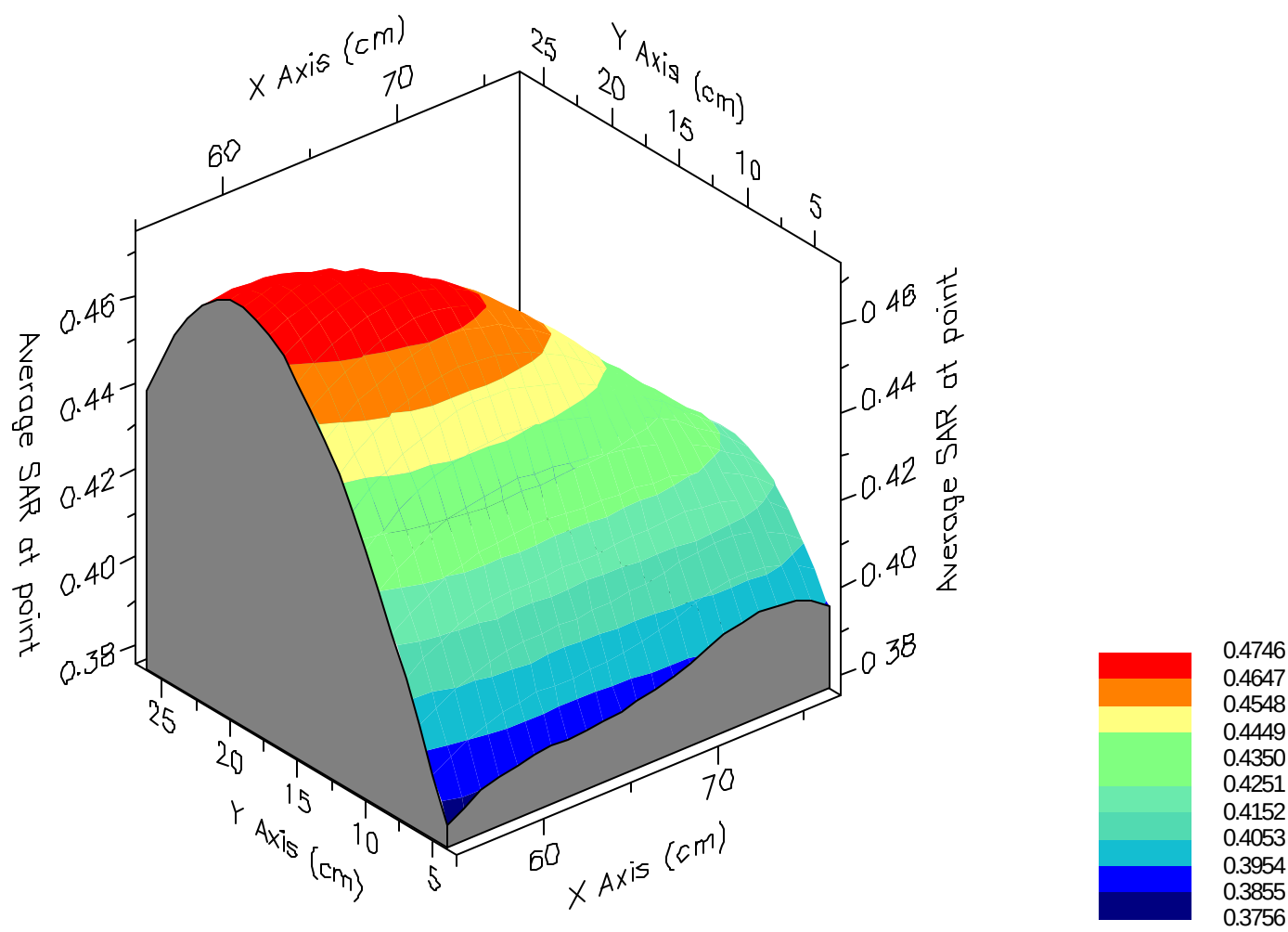
Max 1g SAR at x=58.0 y=18.0 z=0.0 = 0.47 W/kg

Max 10g SAR at x=61.0 y=17.0 z=0.0 = 0.34 W/kg

SAR - Z Axis
at Hotspot x:54.0 y:22.0



1g SAR Values





SAR Data Report 03120832

Start : 8-Dec-03 04:00:33 pm
End : 8-Dec-03 04:11:03 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A790
Serial Number : 3F0F5FE2
Frequency : 835.89 MHz
Transmit Pwr : 0.355 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-LEFT
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 40.210
Tissue Conductivity : 0.890
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= 22.1 'C; Liq. Temp=20.4 'C

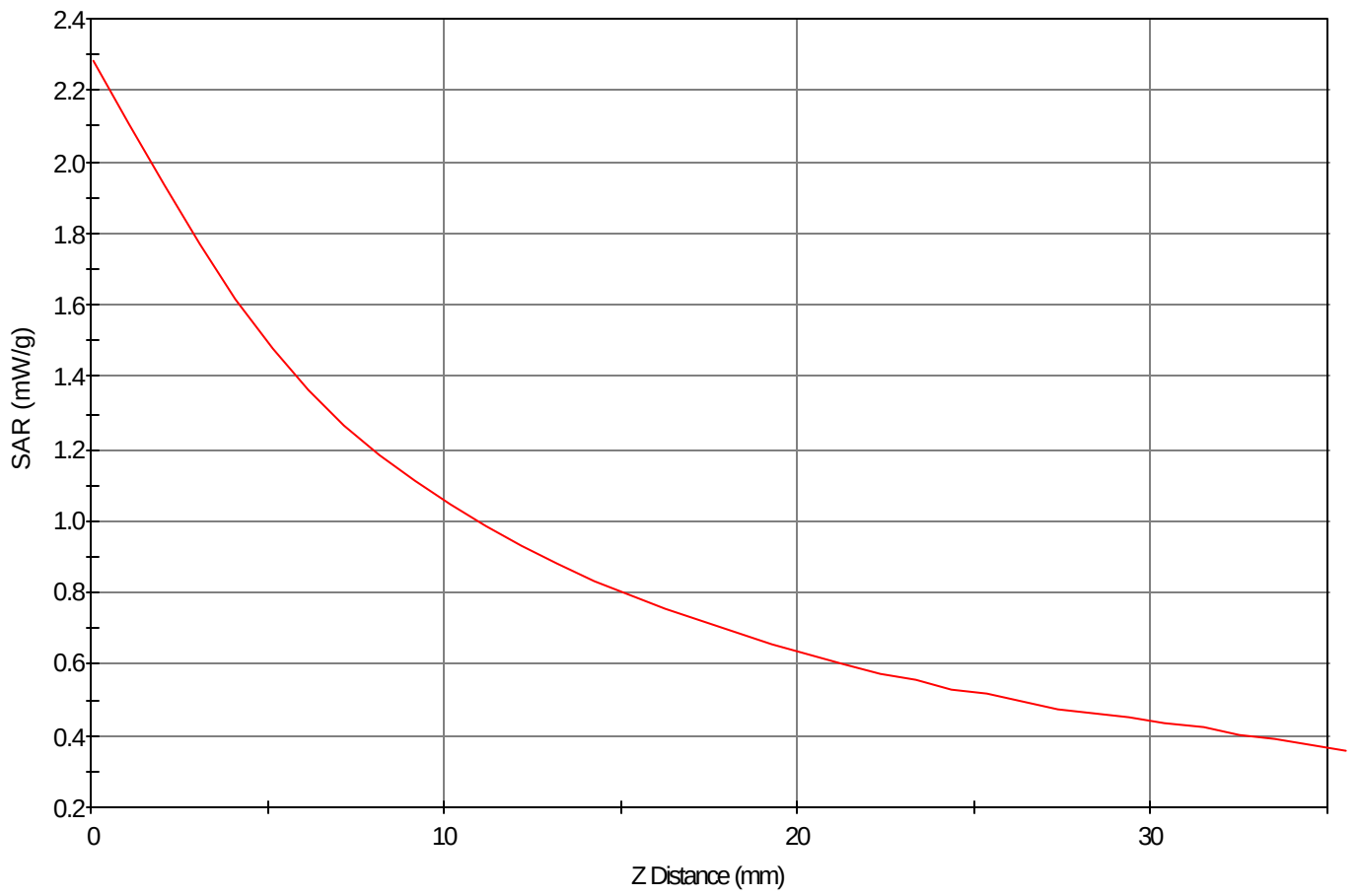
Area Scan - Max Peak SAR Value at x=77.0 y=4.0 = 1.45 W/kg

Zoom Scan - Max Peak SAR Value at x=93.0 y=0.0 z=0.0 = 2.27 W/kg

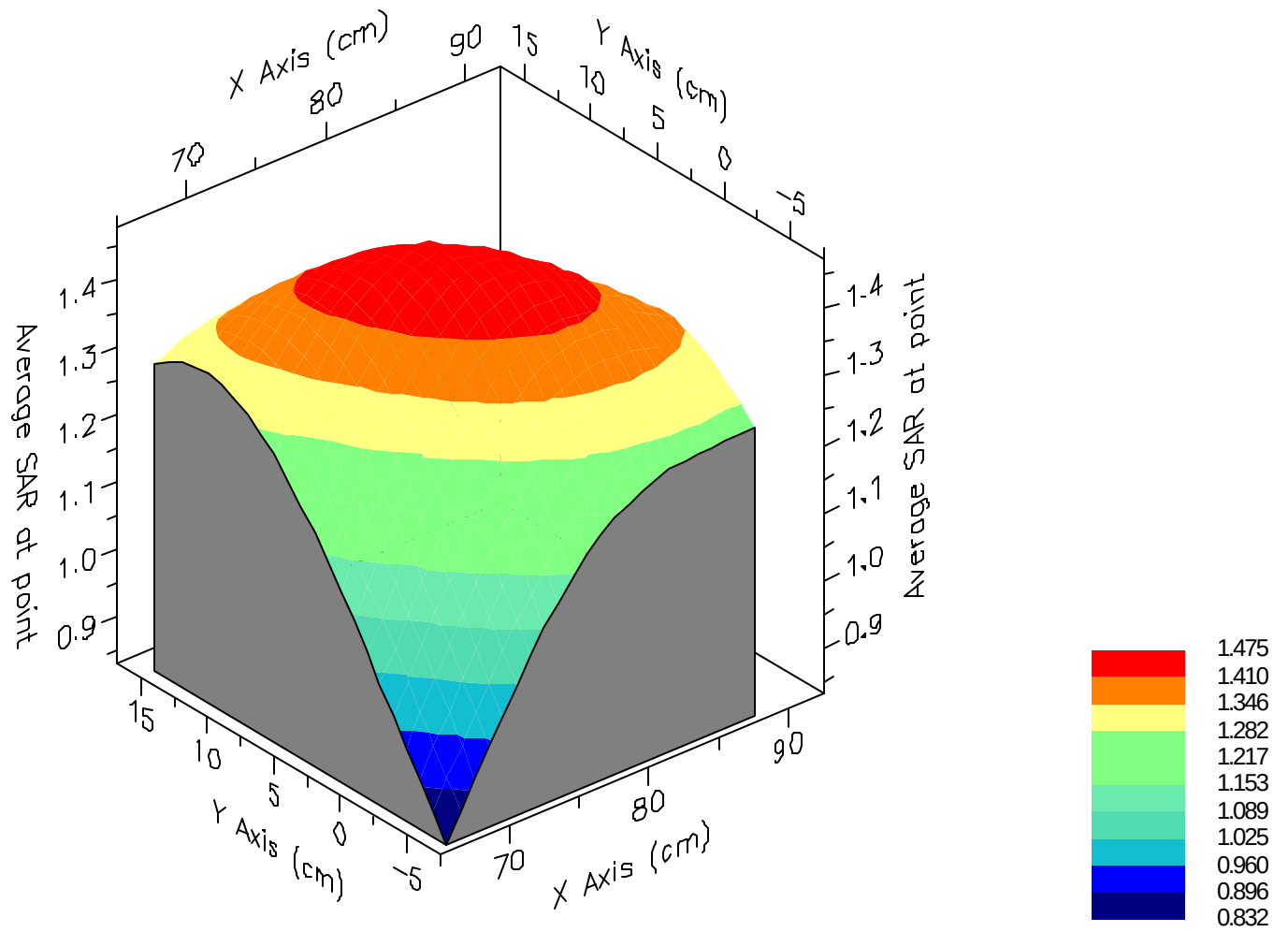
Max 1g SAR at x=77.0 y=5.0 z=0.0 = 1.47 W/kg

Max 10g SAR at x=78.0 y=4.0 z=0.0 = 1.03 W/kg

SAR - Z Axis
at Hotspot x:93.0 y:0.0



1g SAR Values





SAR Data Report 03120838

Start : 8-Dec-03 05:22:08 pm
End : 8-Dec-03 05:28:30 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A790
Serial Number : 3F0F5FE2
Frequency : 835.89 MHz
Transmit Pwr : 0.355 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-LEFT
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 40.210
Tissue Conductivity : 0.890
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= 22.1 'C; Liq. Temp=20.4 'C

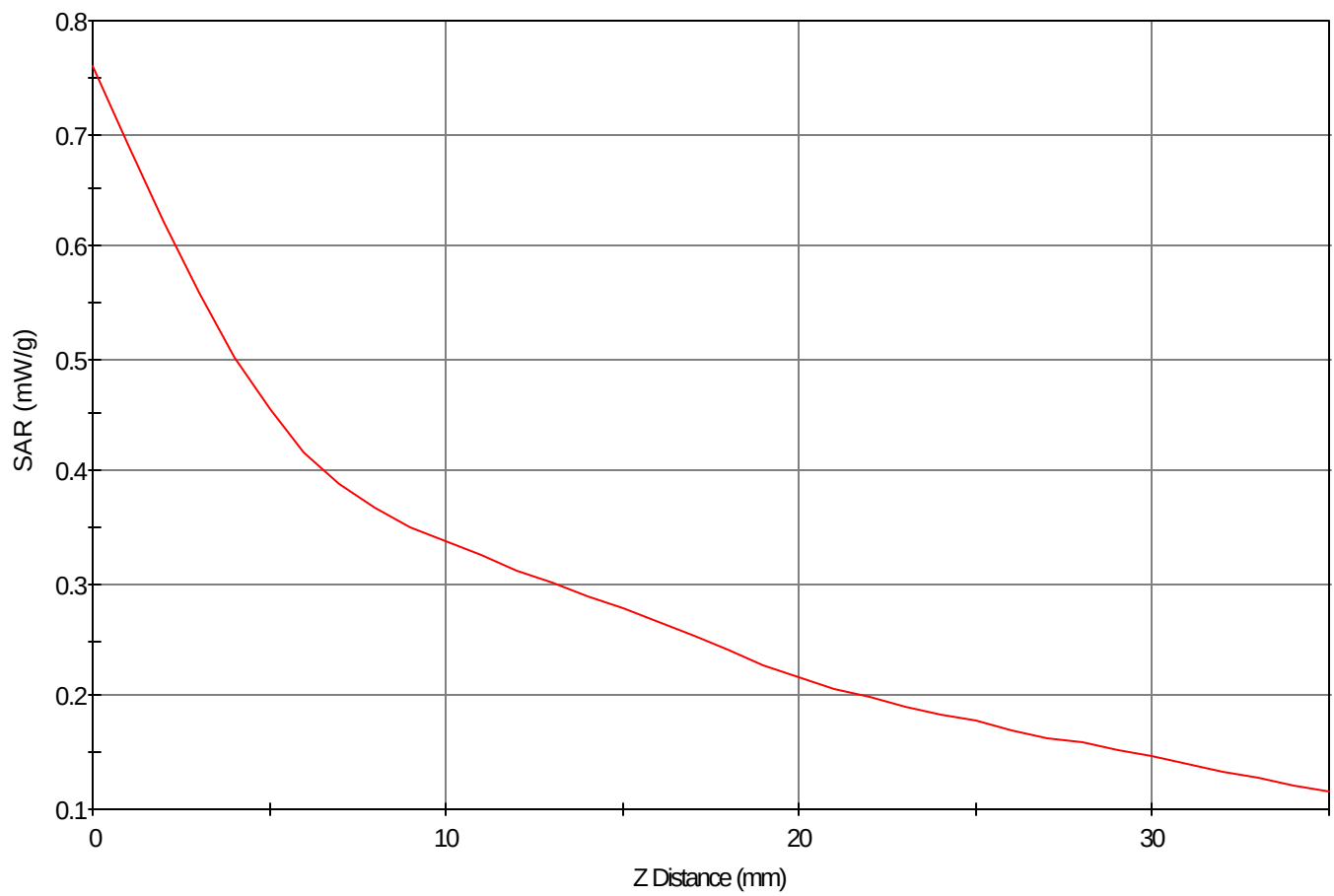
Area Scan - Max Peak SAR Value at x=63.0 y=8.0 = 0.54 W/kg

Zoom Scan - Max Peak SAR Value at x=47.0 y=24.0 z=0.0 = 0.76 W/kg

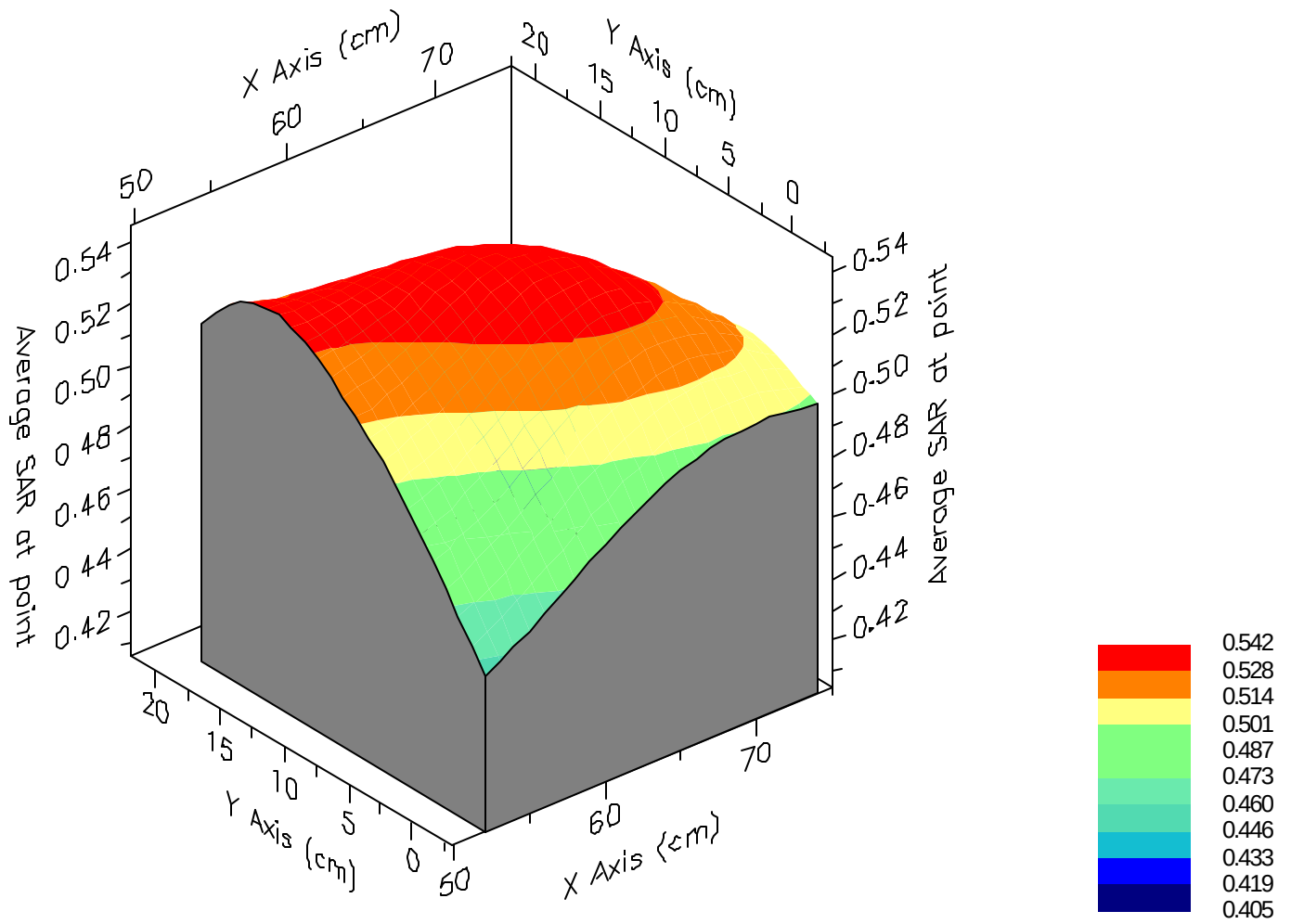
Max 1g SAR at x=63.0 y=9.0 z=0.0 = 0.54 W/kg

Max 10g SAR at x=59.0 y=8.0 z=0.0 = 0.41 W/kg

SAR - Z Axis
at Hotspot x:47.0 y:24.0



1g SAR Values





SAR Data Report 03120912

Start : 9-Dec-03 12:02:32 pm
End : 9-Dec-03 12:08:46 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A790
Serial Number : 3F0F5FE2
Frequency : 1851.25 MHz
Transmit Pwr : 0.355 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-RIGHT
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 40.210
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= 22.1 'C; Liq. Temp=20.4 'C

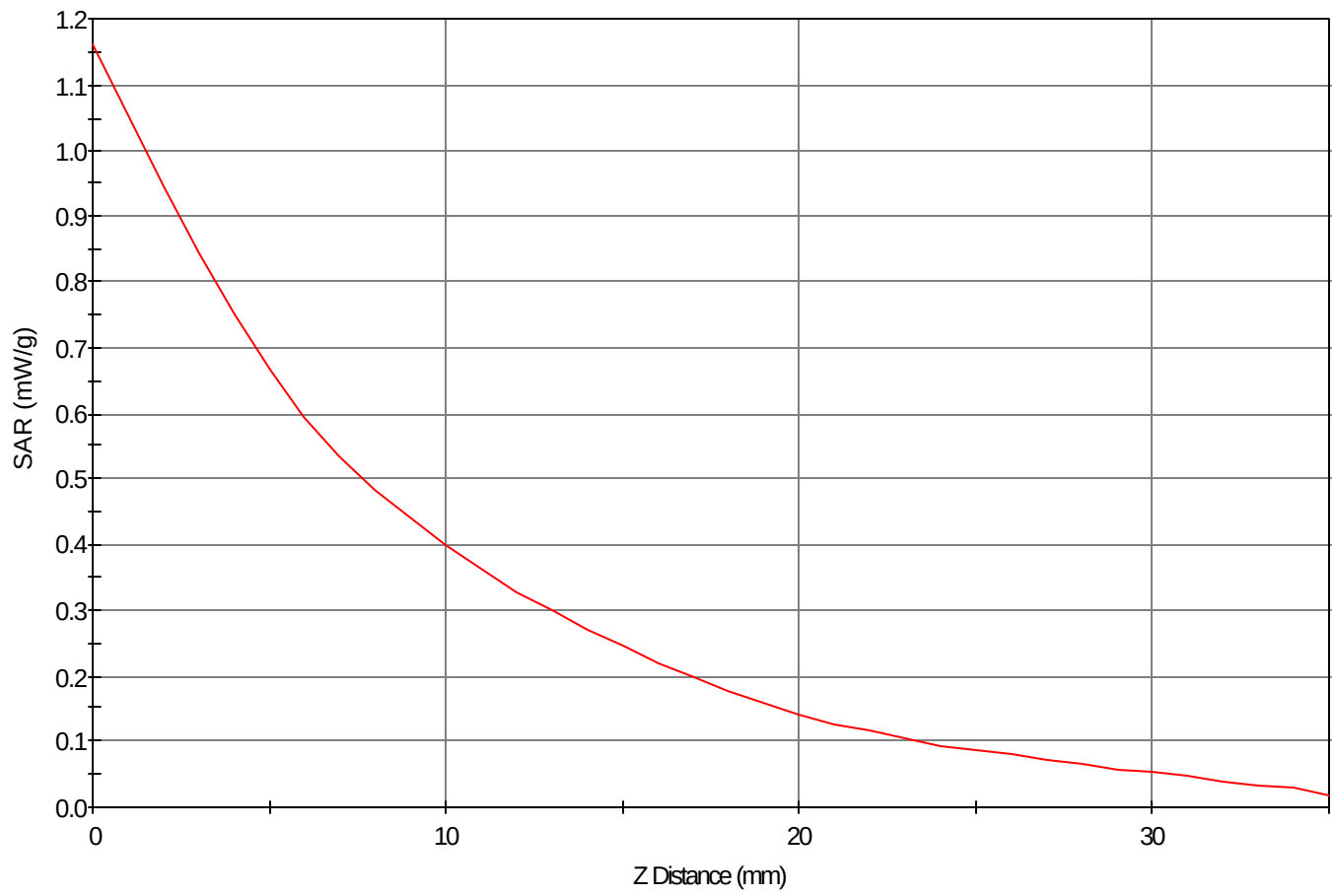
Area Scan - Max Peak SAR Value at x=65.0 y=14.0 = 0.64 W/kg

Zoom Scan - Max Peak SAR Value at x=67.0 y=13.0 z=0.0 = 1.16 W/kg

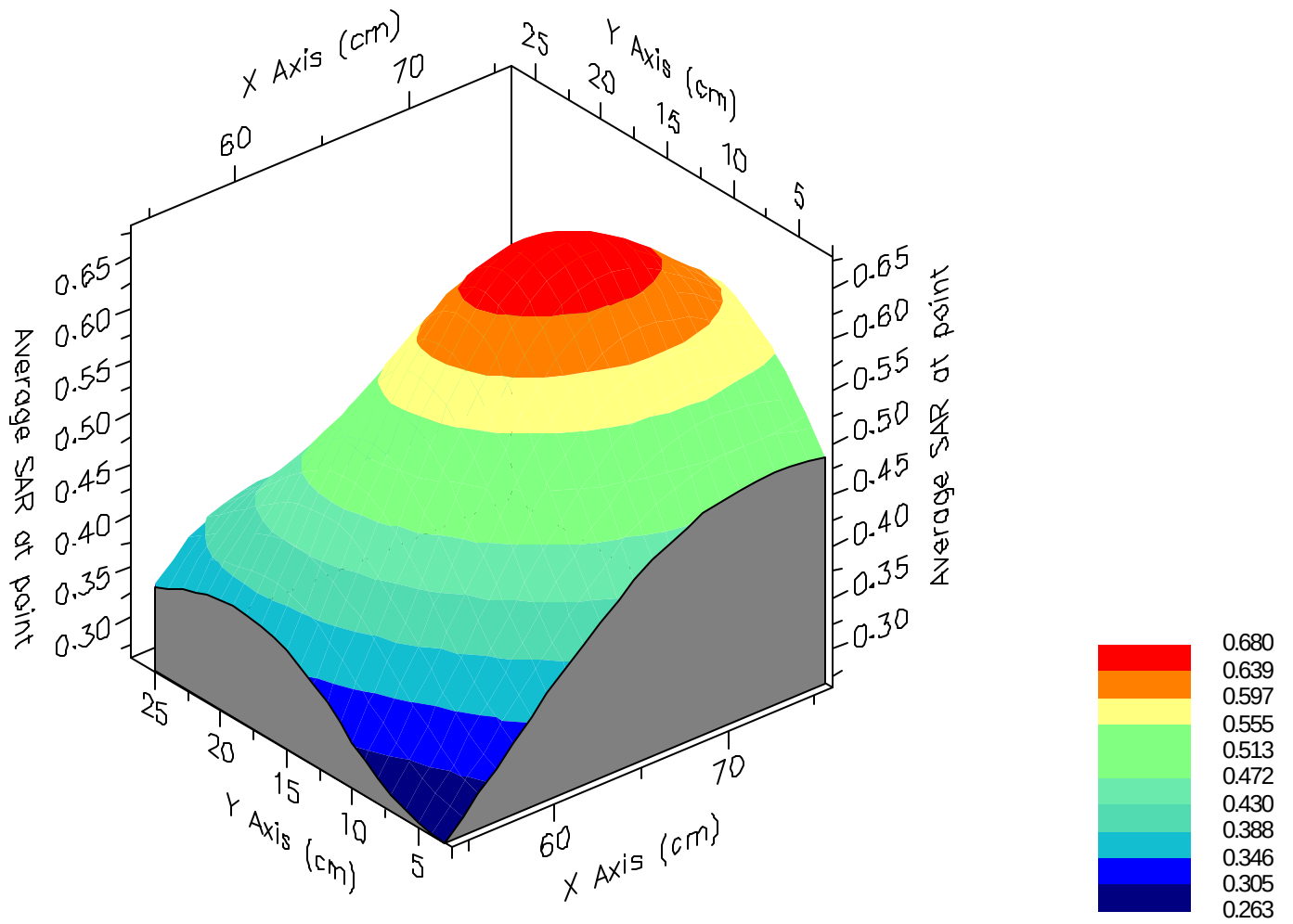
Max 1g SAR at x=68.0 y=13.0 z=0.0 = 0.68 W/kg

Max 10g SAR at x=70.0 y=11.0 z=0.0 = 0.36 W/kg

SAR - Z Axis
at Hotspot x:67.0 y:13.0



1g SAR Values





SAR Data Report 03120917

Start : 9-Dec-03 01:08:49 pm
End : 9-Dec-03 01:17:50 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A790
Serial Number : 3F0F5FE2
Frequency : 1880.00 MHz
Transmit Pwr : 0.355 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-RIGHT
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 40.210
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= 22.1 'C; Liq. Temp=20.4 'C

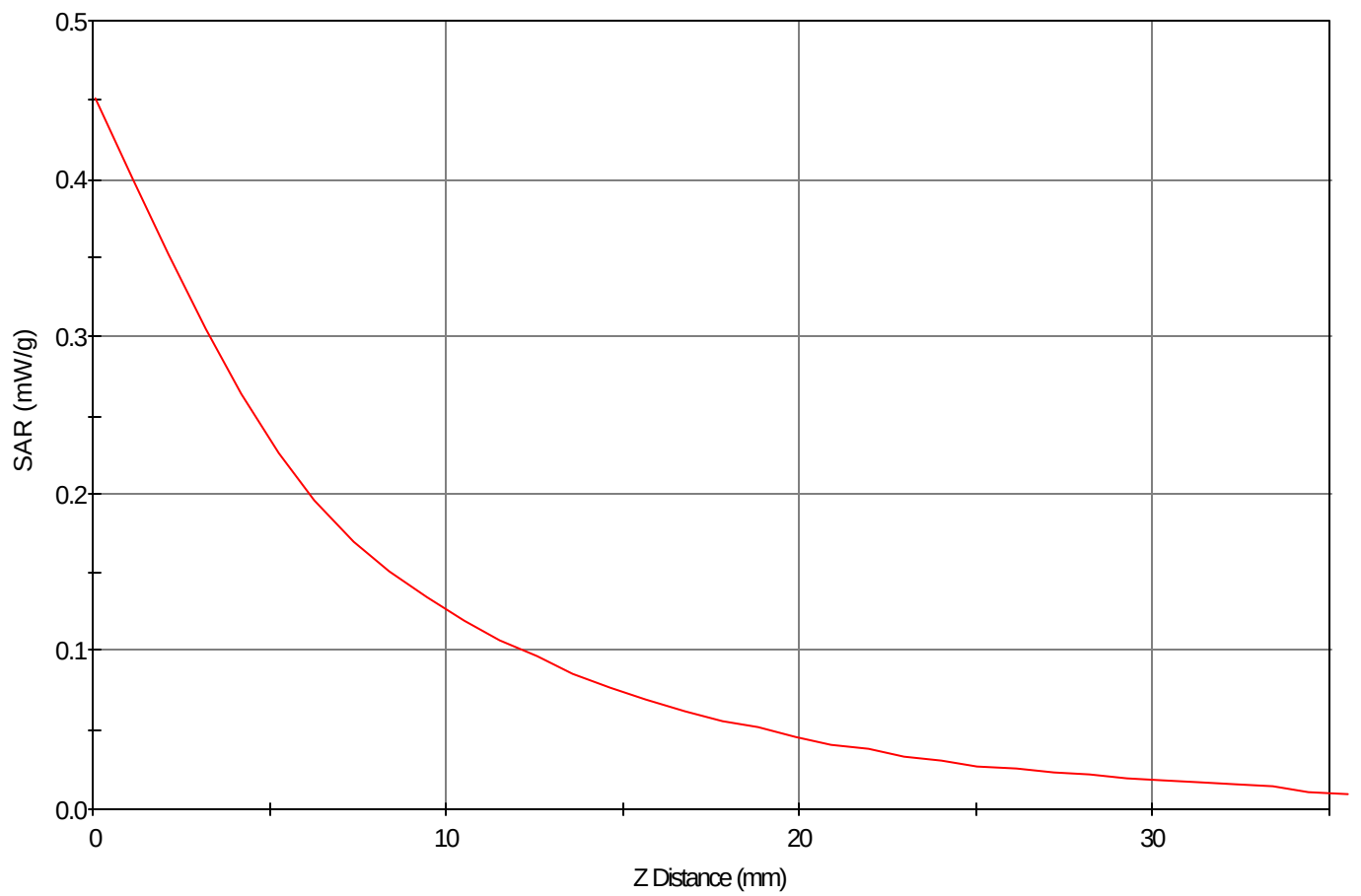
Area Scan - Max Peak SAR Value at x=86.0 y=1.0 = 0.21 W/kg

Zoom Scan - Max Peak SAR Value at x=77.0 y=6.0 z=0.0 = 0.45 W/kg

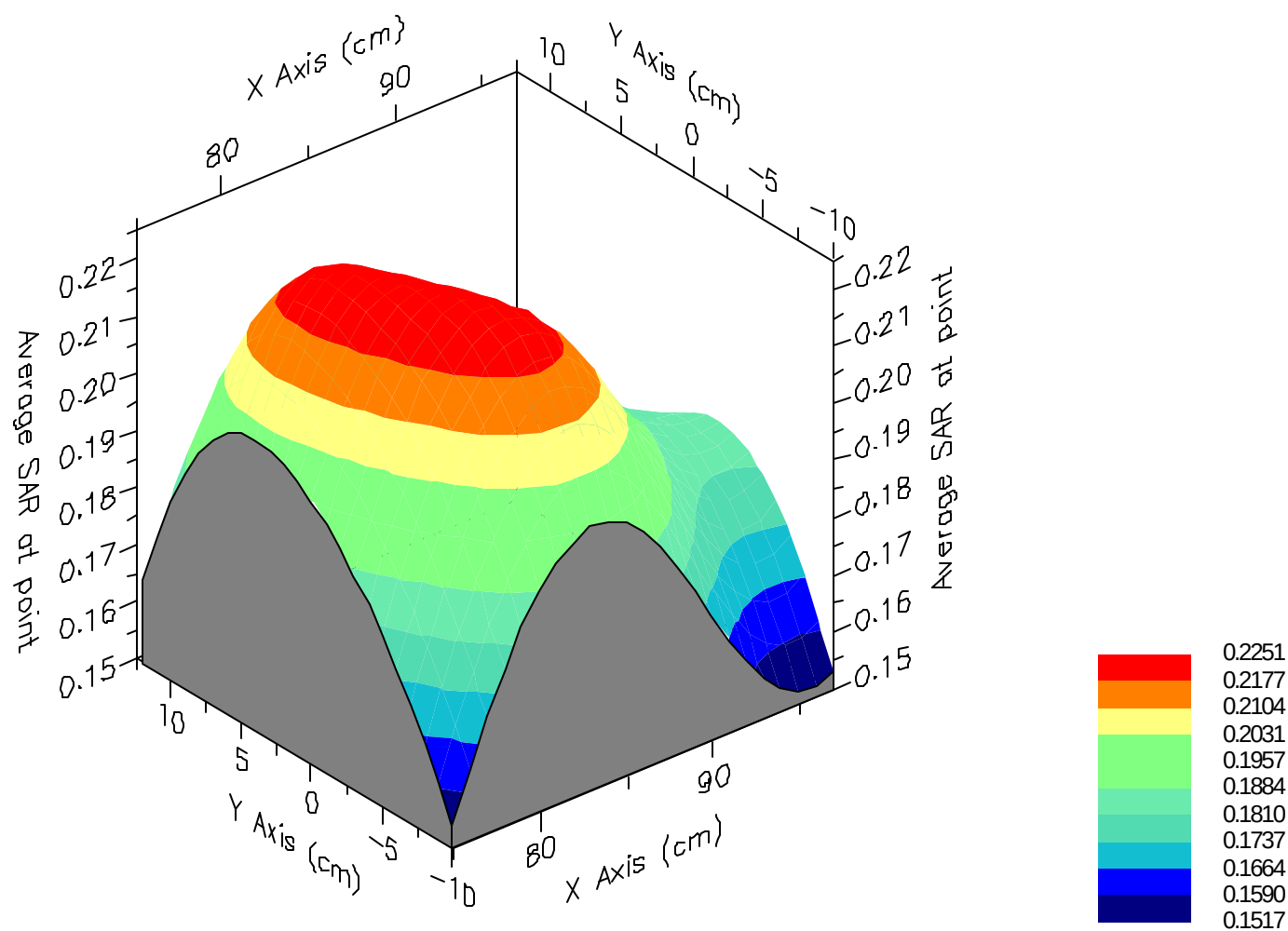
Max 1g SAR at x=81.0 y=1.0 z=0.0 = 0.23 W/kg

Max 10g SAR at x=85.0 y=2.0 z=0.0 = 0.15 W/kg

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



1g SAR Values





SAR Data Report 03120936

Start : 9-Dec-03 06:07:42 pm
End : 9-Dec-03 06:27:33 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A790
Serial Number : 3F0F5FE2
Frequency : 1851.25 MHz
Transmit Pwr : 0.355 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-LEFT
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 40.210
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= 22.1 'C; Liq. Temp=20.4 'C

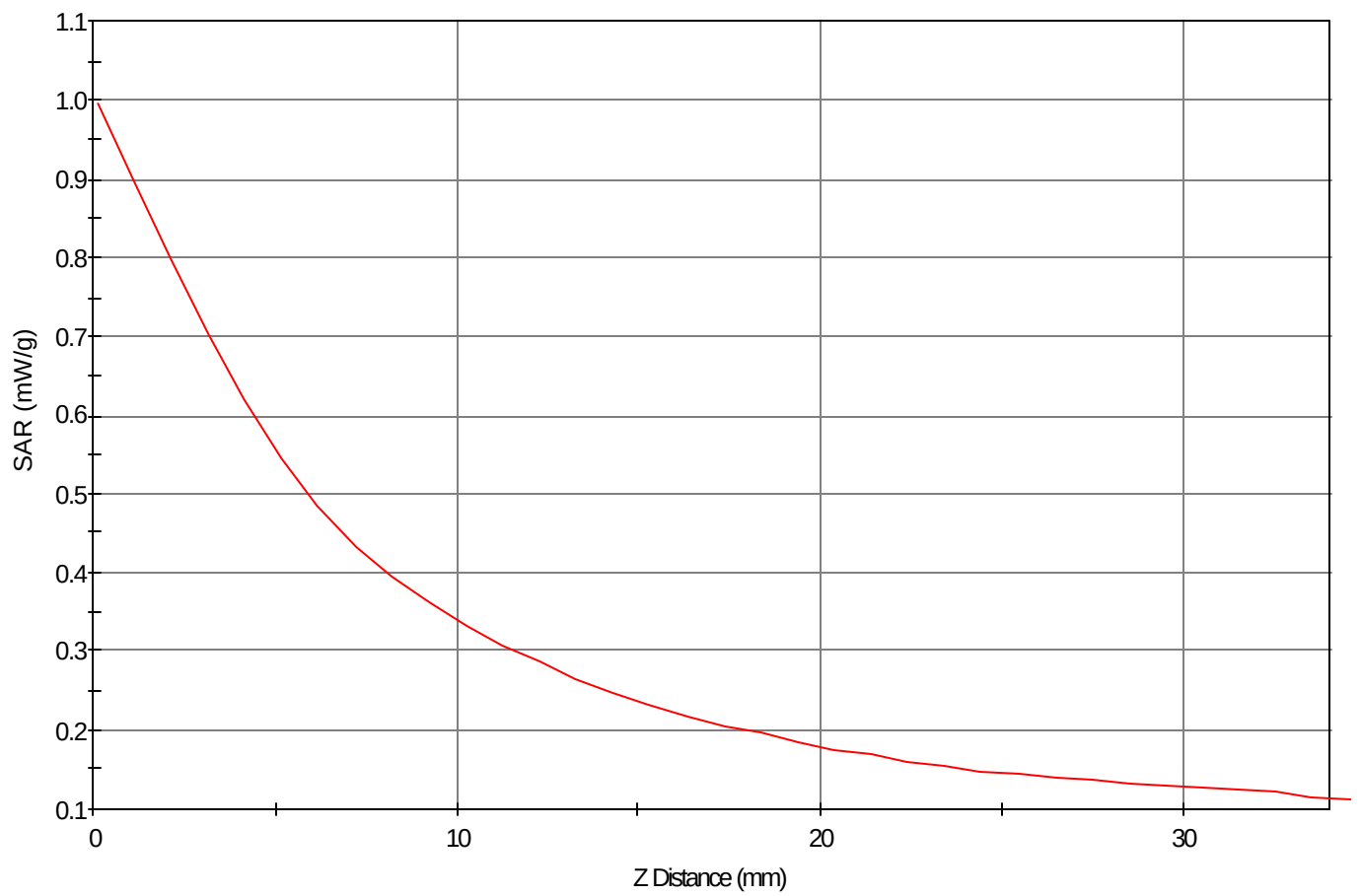
Area Scan - Max Peak SAR Value at x=94.0 y=-7.0 = 0.68 W/kg

Zoom Scan - Max Peak SAR Value at x=85.0 y=-13.0 z=0.0 = 1.01 W/kg

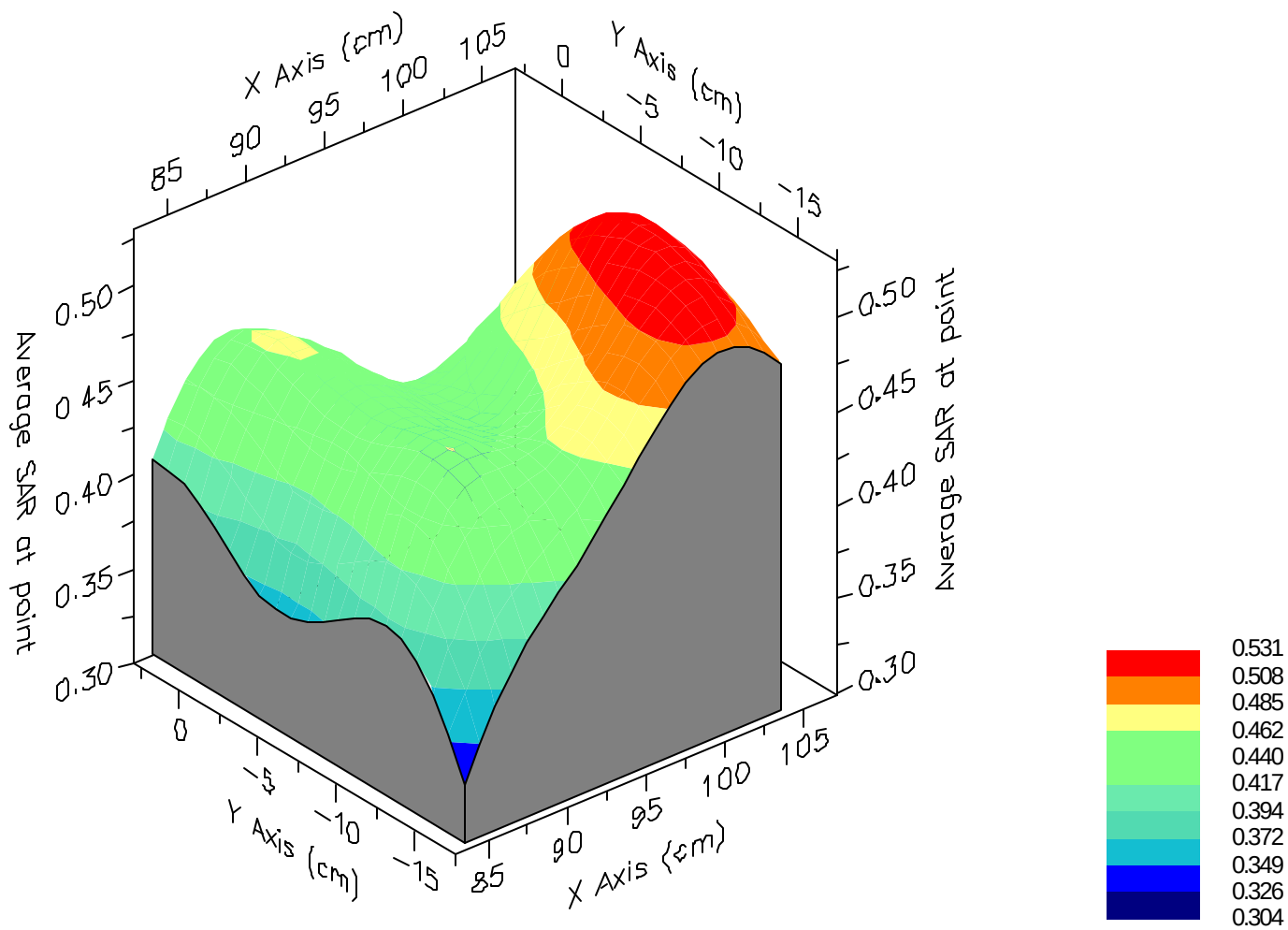
Max 1g SAR at x=102.0 y=-11.0 z=0.0 = 0.58 W/kg

Max 10g SAR at x=95.0 y=-9.0 z=0.0 = 0.34 W/kg

SAR - Z Axis
at Hotspot x:85.0 y:-13.0



1g SAR Values





SAR Data Report 03120937

Start : 9-Dec-03 05:49:12 pm
End : 9-Dec-03 06:02:38 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A790
Serial Number : 3F0F5FE2
Frequency : 1880.00 MHz
Transmit Pwr : 0.355 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-LEFT
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 40.210
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= 22.1 'C; Liq. Temp=20.4 'C

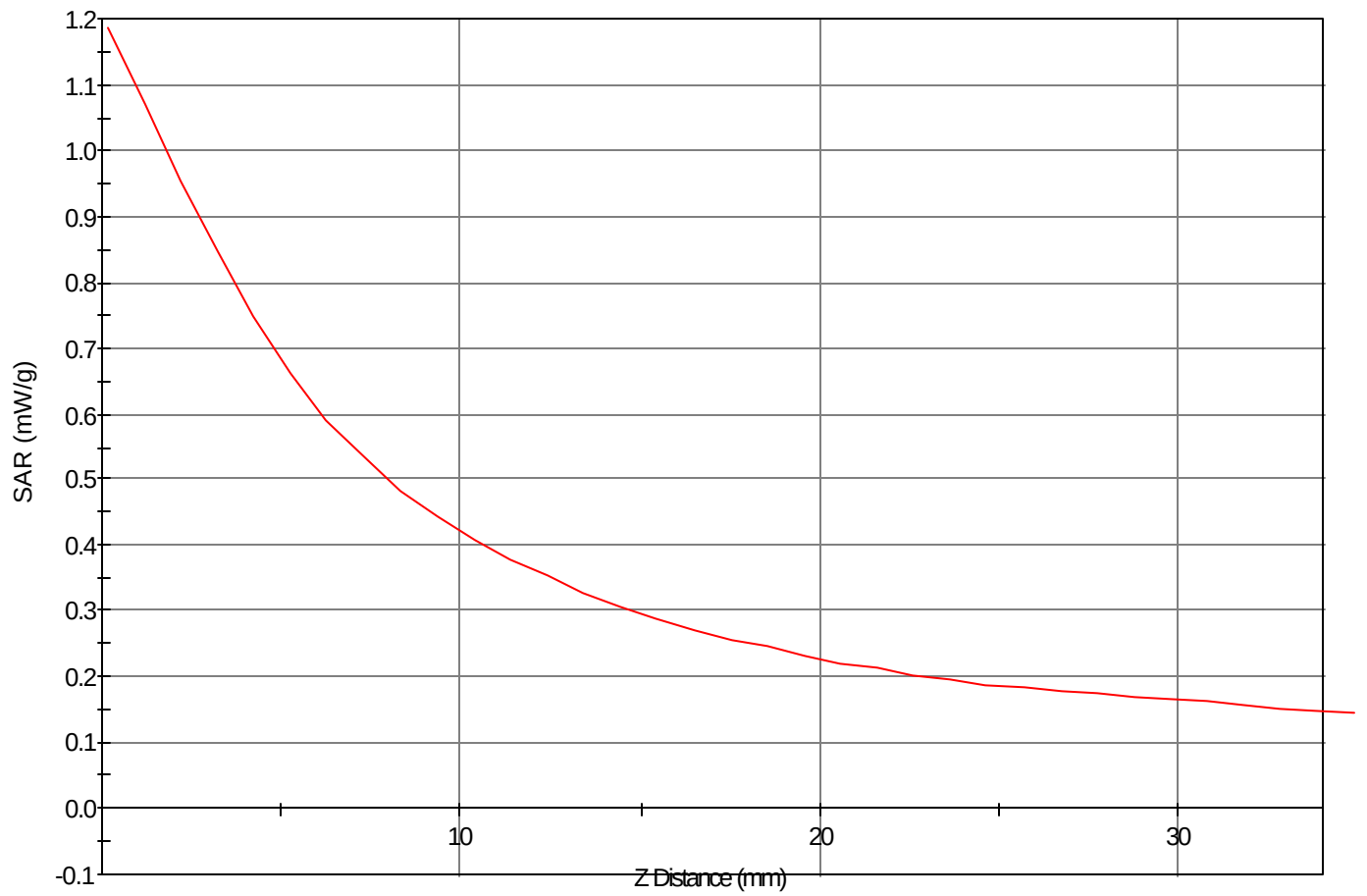
Area Scan - Max Peak SAR Value at x=51.0 y=25.0 = 0.24 W/kg

Zoom Scan - Max Peak SAR Value at x=56.0 y=15.0 z=0.0 = 1.20 W/kg

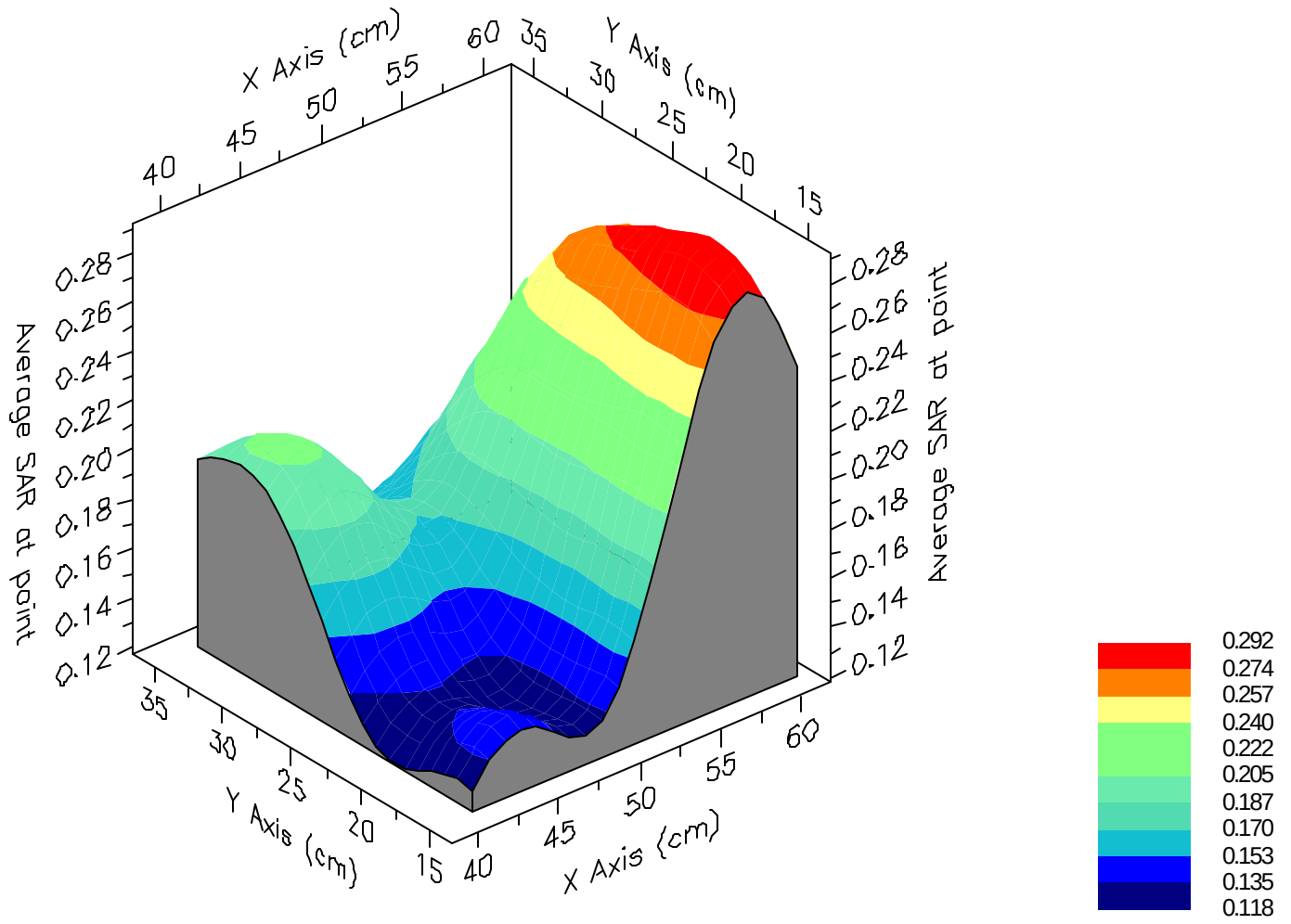
Max 1g SAR at x=58.0 y=18.0 z=0.0 = 0.29 W/kg

Max 10g SAR at x=53.0 y=24.0 z=0.0 = 0.15 W/kg

SAR - Z Axis
at Hotspot x:56.0 y:15.0



1g SAR Values





SAR Data Report 03120928

Start : 9-Dec-03 04:03:29 pm
End : 9-Dec-03 04:10:18 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A790
Serial Number : 3F0F5FE2
Frequency : 824.70 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 : 53.490
Tissue Conductivity : 0.970
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-1013
BODY
CF=1; Amb. Temp= 22.1 'C; Liq. Temp=20.4 'C

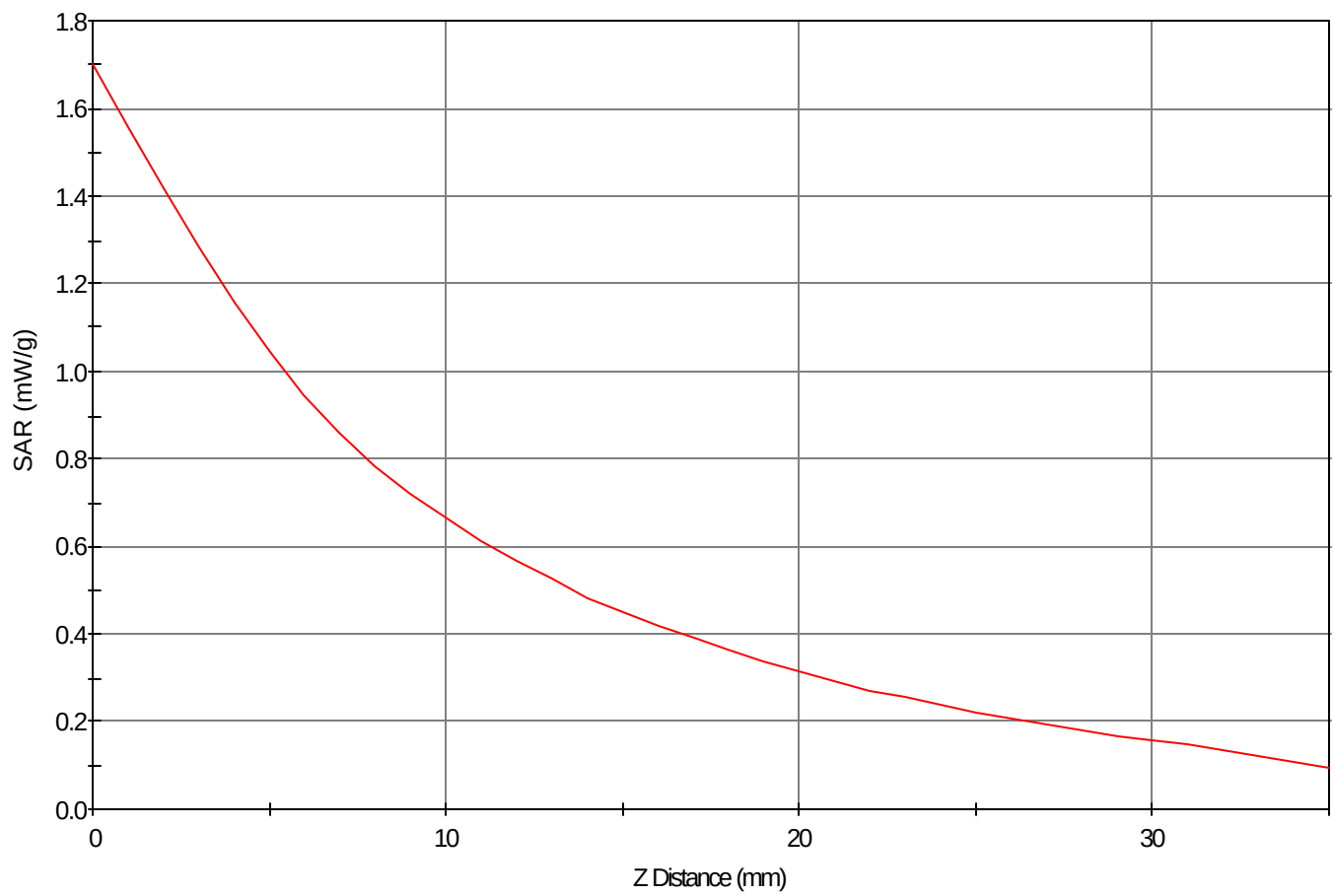
Area Scan - Max Peak SAR Value at x=4.0 y=-43.0 = 1.04 W/kg

Zoom Scan - Max Peak SAR Value at x=4.0 y=-44.0 z=0.0 = 1.70 W/kg

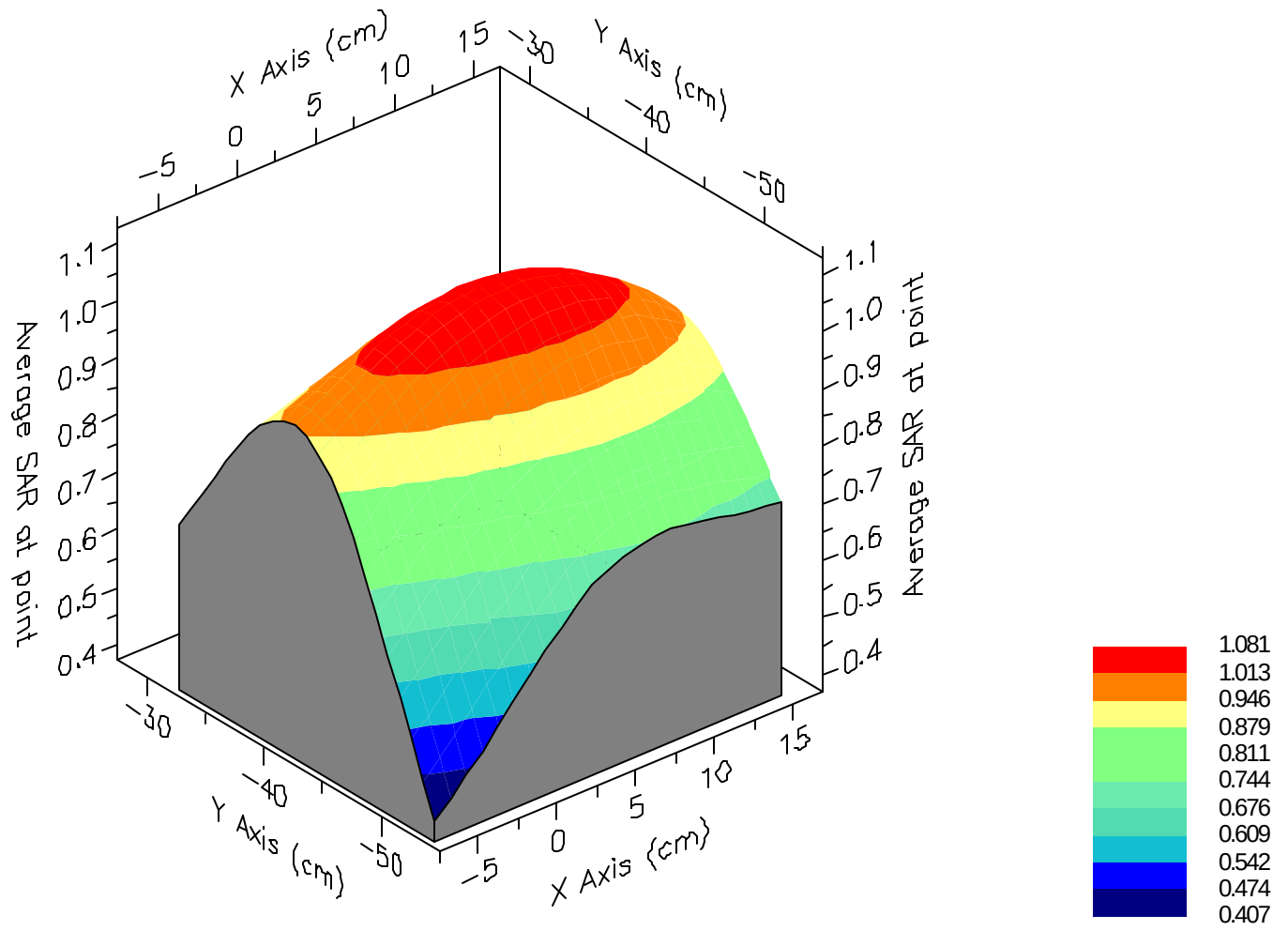
Max 1g SAR at x=5.0 y=-43.0 z=0.0 = 1.08 W/kg

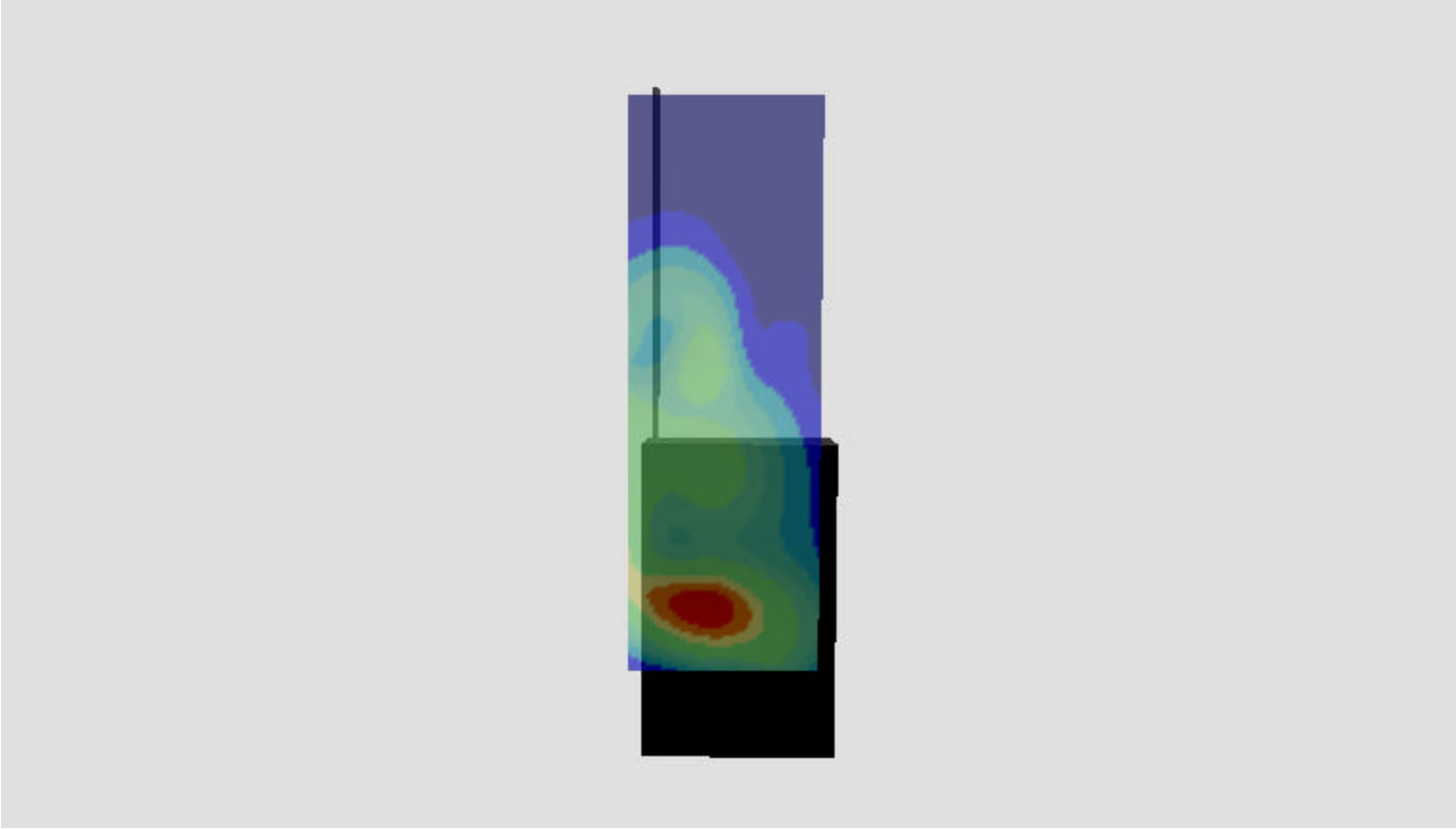
Max 10g SAR at x=6.0 y=-43.0 z=0.0 = 0.63 W/kg

SAR - Z Axis
at Hotspot x:4.0 y:-44.0



1g SAR Values





SAR Data Report 03121003

Start : 10-Dec-03 10:01:02 am
End : 10-Dec-03 10:07:51 am
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A790
Serial Number : 3F0F5FE2
Frequency : 1851.25 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 : 52.160
Tissue Conductivity : 1.580
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-25
BODY
CF=1; Amb. Temp= 22.1 'C; Liq. Temp=20.4 'C

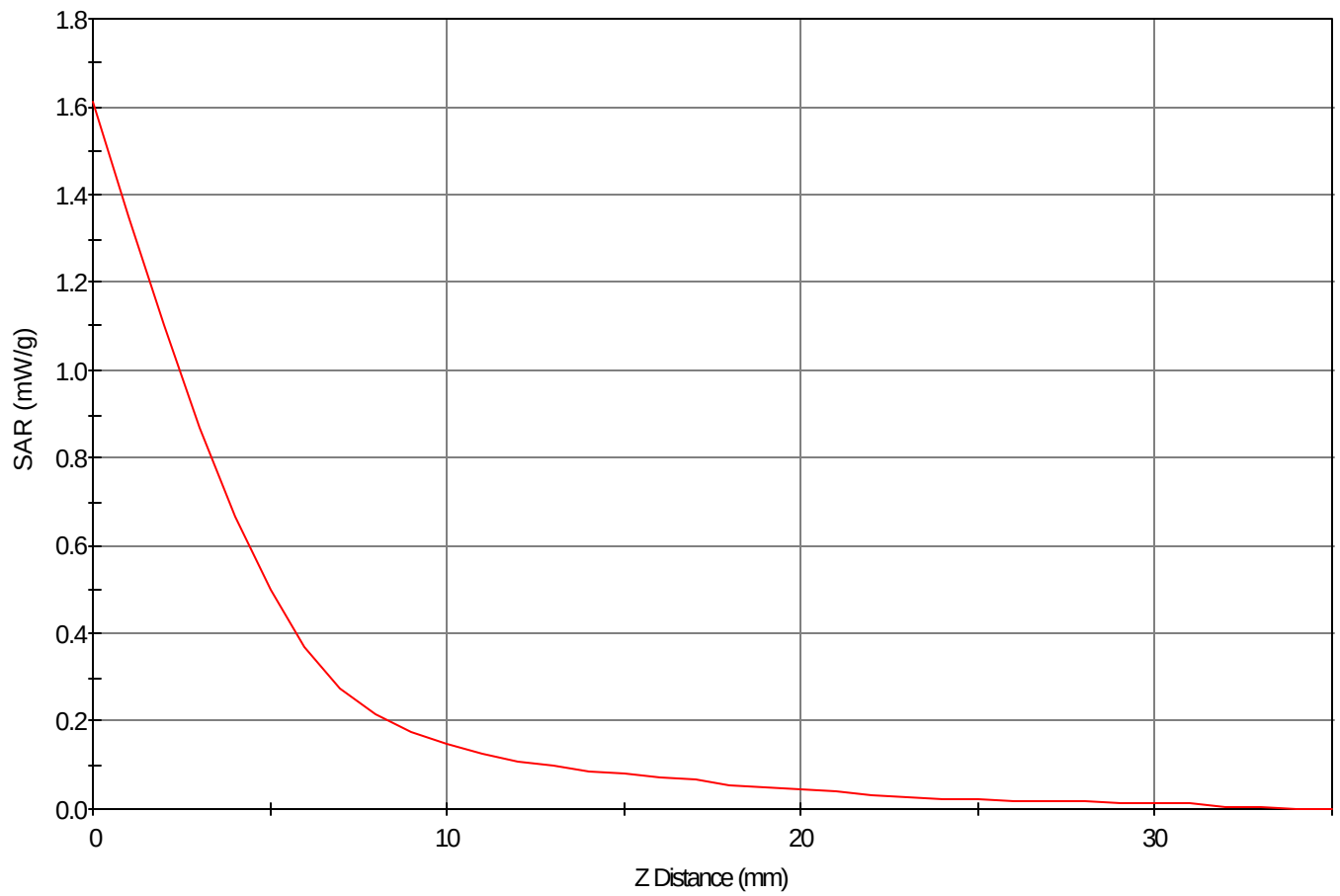
Area Scan - Max Peak SAR Value at x=5.0 y=6.0 = 0.52 W/kg

Zoom Scan - Max Peak SAR Value at x=-11.0 y=-10.0 z=0.0 = 1.61 W/kg

Max 1g SAR at x=6.0 y=-5.0 z=0.0 = 0.68 W/kg

Max 10g SAR at x=1.0 y=1.0 z=0.0 = 0.31 W/kg

SAR - Z Axis
at Hotspot x:-11.0 y:-10.0



1g SAR Values

