

SAR Data Report 02070813

Start : 8-Jul-02 11:06:25 am
End : 8-Jul-02 11:12:43 am
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A220
Serial Number : 1
Frequency : 824.70 MHz
Transmit Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : Out

Measurement Data:

Phantom Name : SAM-R
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 42.200
Tissue Conductivity : 0.930
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: 100 Samples
NIDAQ Gain: 5

Comments:

CDMA Mode CH-1013
Cheek
CF=1; Amb. Temp= 22.5 'C; Liq. Temp=22.1 'C

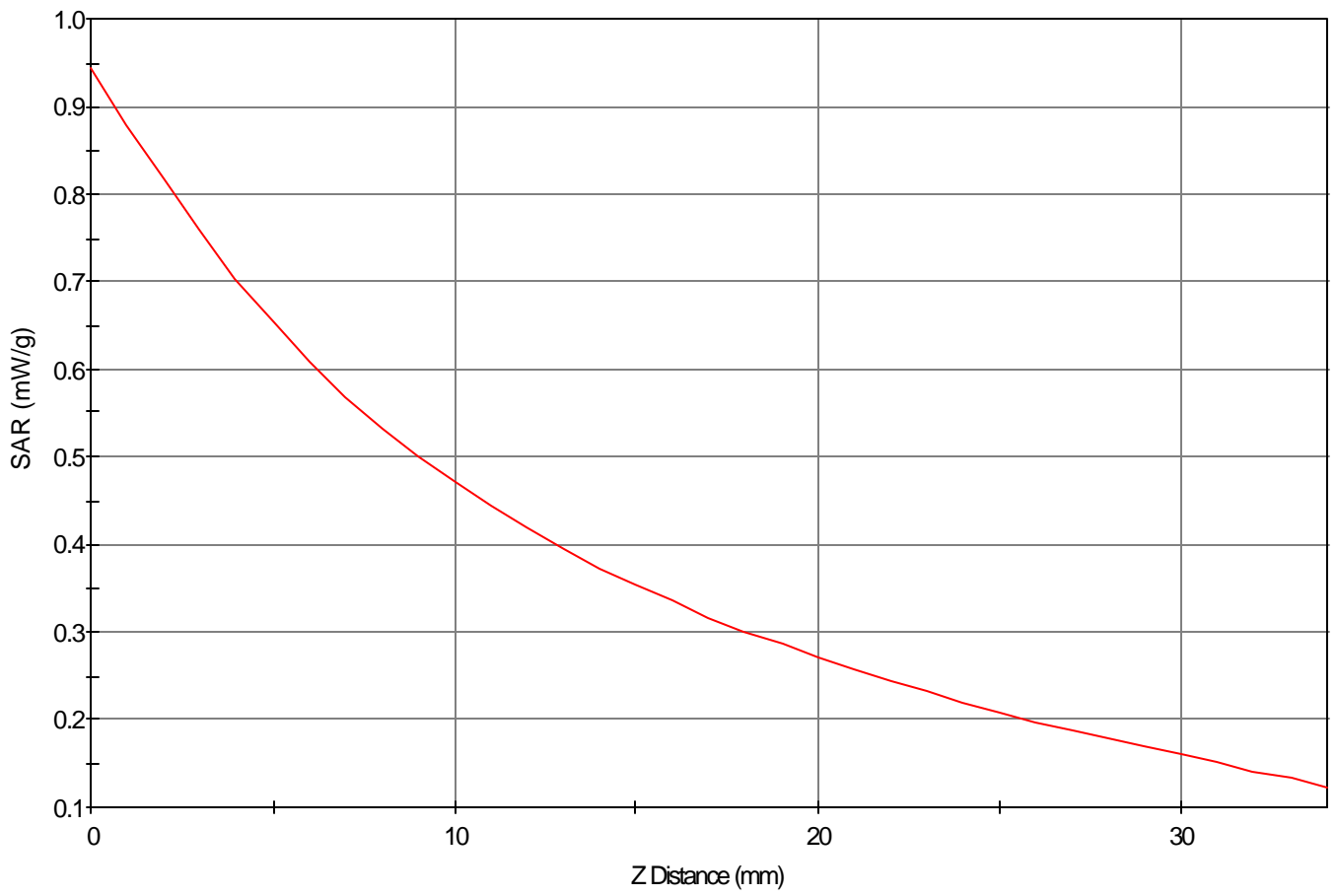
Area Scan - Max Peak SAR Value at x=72.0 y=17.0 = 0.69 W/kg

Zoom Scan - Max Peak SAR Value at x=65.0 y=22.0 z=0.0 = 0.94 W/kg

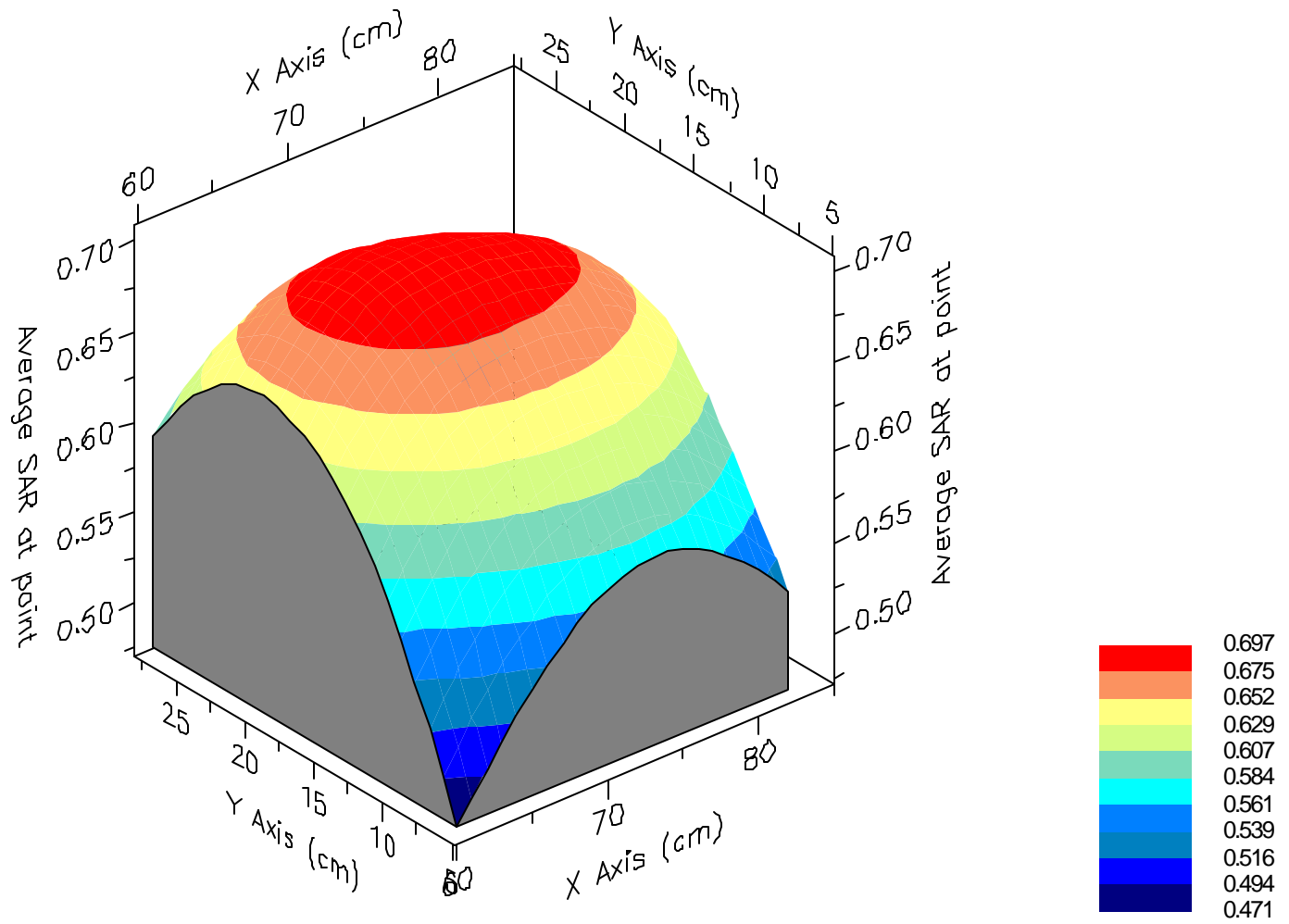
Max 1g SAR at x=70.0 y=19.0 z=0.0 = 0.70 W/kg

Max 10g SAR at x=72.0 y=18.0 z=0.0 = 0.49 W/kg

SAR - Z Axis
at Hotspot x:65.0 y:22.0



1g SAR Values





SAR Data Report 02070918

Start : 9-Jul-02 02:33:06 pm
End : 9-Jul-02 02:44:34 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A220
Serial Number : 1
Frequency : 848.31 MHz
Transmit Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : Out

Measurement Data:

Phantom Name : SAM-L
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 42.200
Tissue Conductivity : 0.930
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: 100 Samples
NIDAQ Gain: 5

Comments:

CDMA Mode CH-777
Cheek
CF=1; Amb. Temp= 22.4 'C; Liq. Temp=22.1 'C

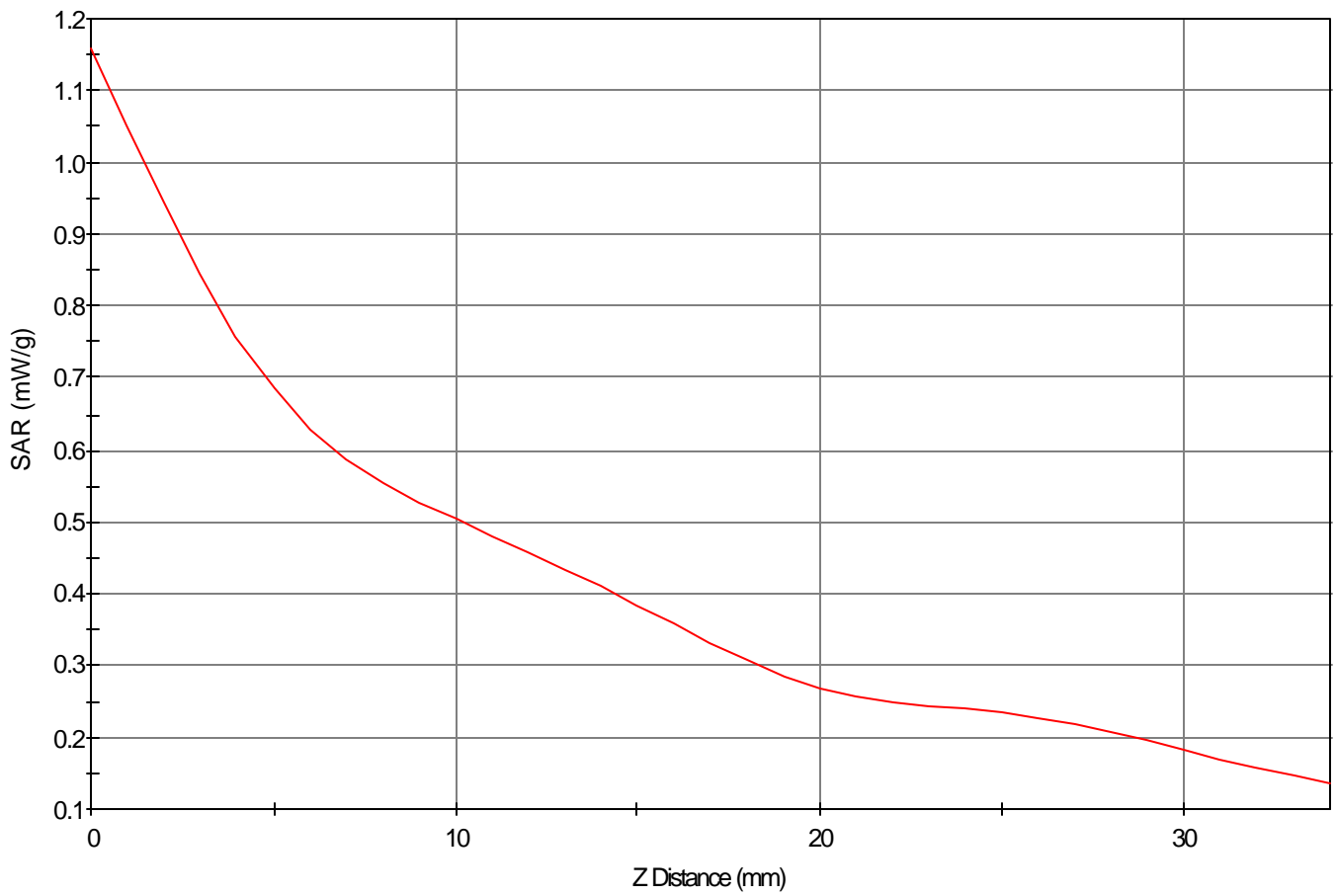
Area Scan - Max Peak SAR Value at x=68.0 y=15.0 = 0.70 W/kg

Zoom Scan - Max Peak SAR Value at x=67.0 y=15.0 z=0.0 = 1.16 W/kg

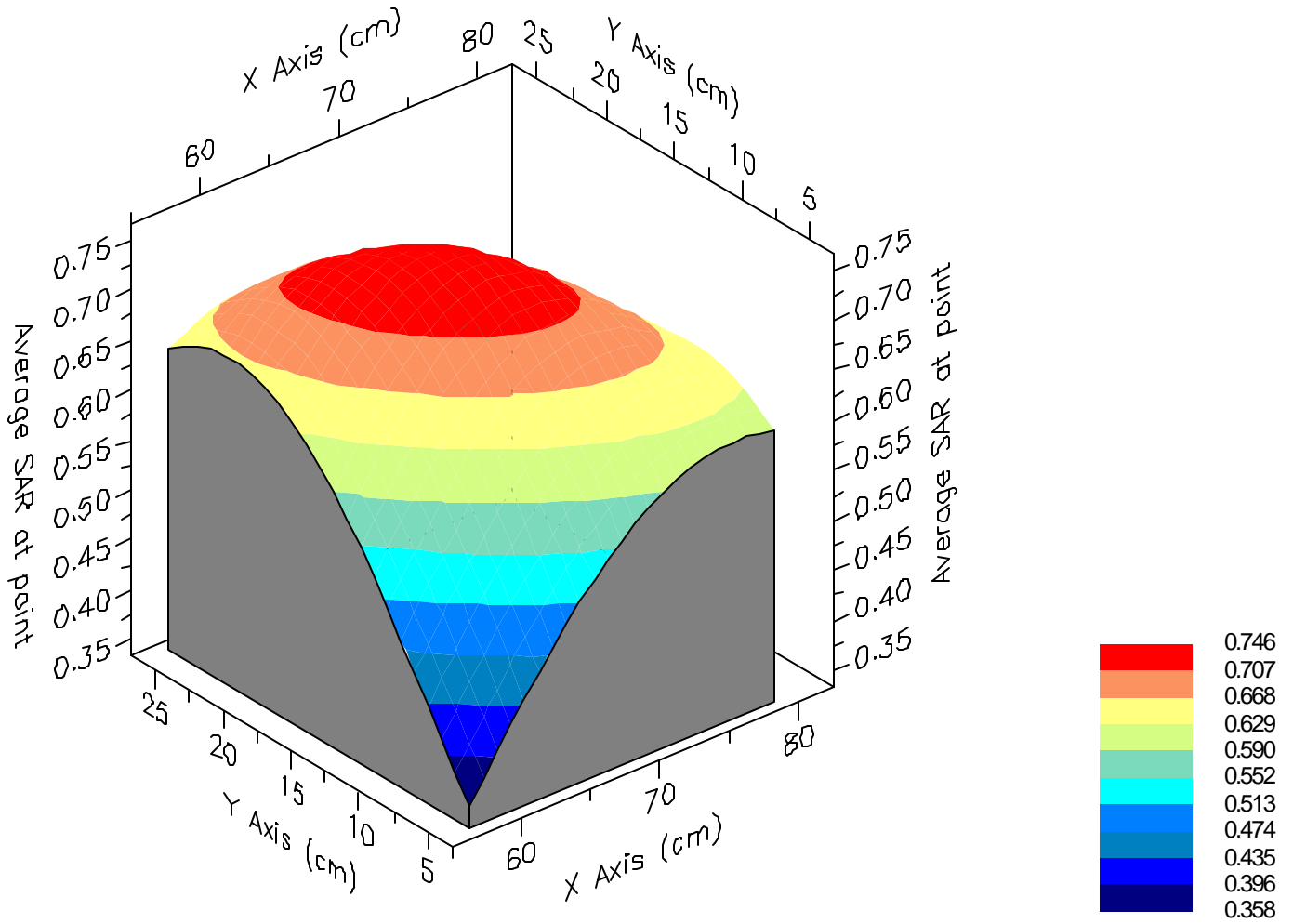
Max 1g SAR at x=67.0 y=17.0 z=0.0 = 0.75 W/kg

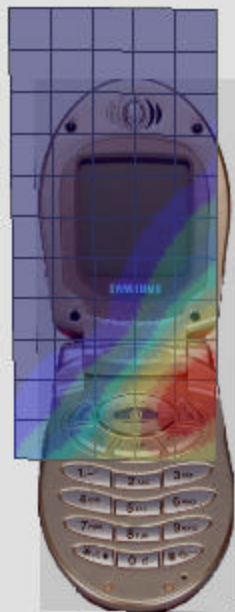
Max 10g SAR at x=69.0 y=16.0 z=0.0 = 0.49 W/kg

SAR - Z Axis
at Hotspot x:67.0 y:15.0



1g SAR Values





SAR Data Report 02070921

Start : 9-Jul-02 03:07:59 pm
End : 9-Jul-02 03:14:31 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A220
Serial Number : 1
Frequency : 848.31 MHz
Transmit Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : Out

Measurement Data:

Phantom Name : SAM-L
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 42.200
Tissue Conductivity : 0.930
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: 100 Samples
NIDAQ Gain: 5

Comments:

CDMA Mode CH-777
Tilt
CF=1; Amb. Temp= 22.4 'C; Liq. Temp=22.1 'C

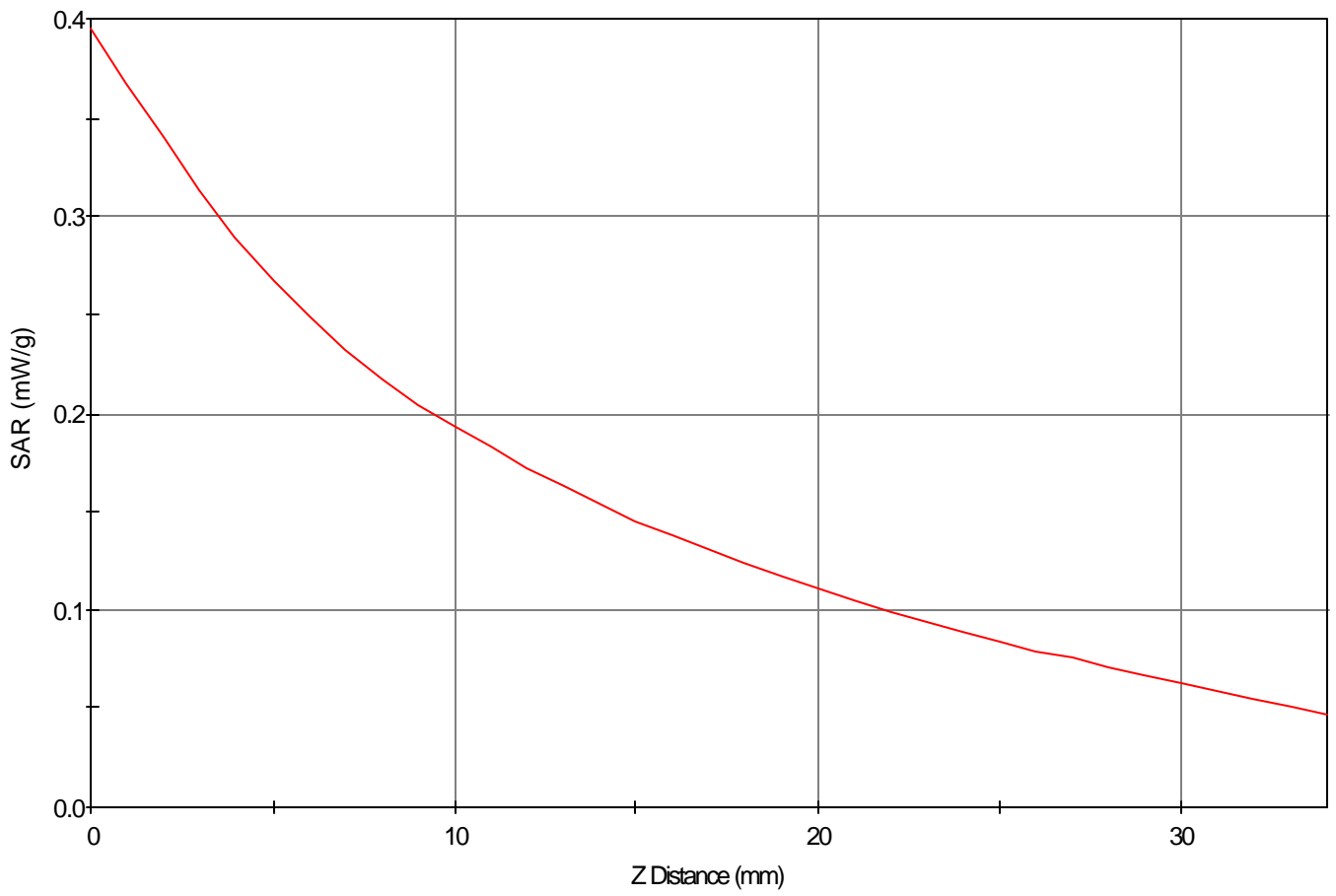
Area Scan - Max Peak SAR Value at x=38.0 y=13.0 = 0.27 W/kg

Zoom Scan - Max Peak SAR Value at x=38.0 y=18.0 z=0.0 = 0.40 W/kg

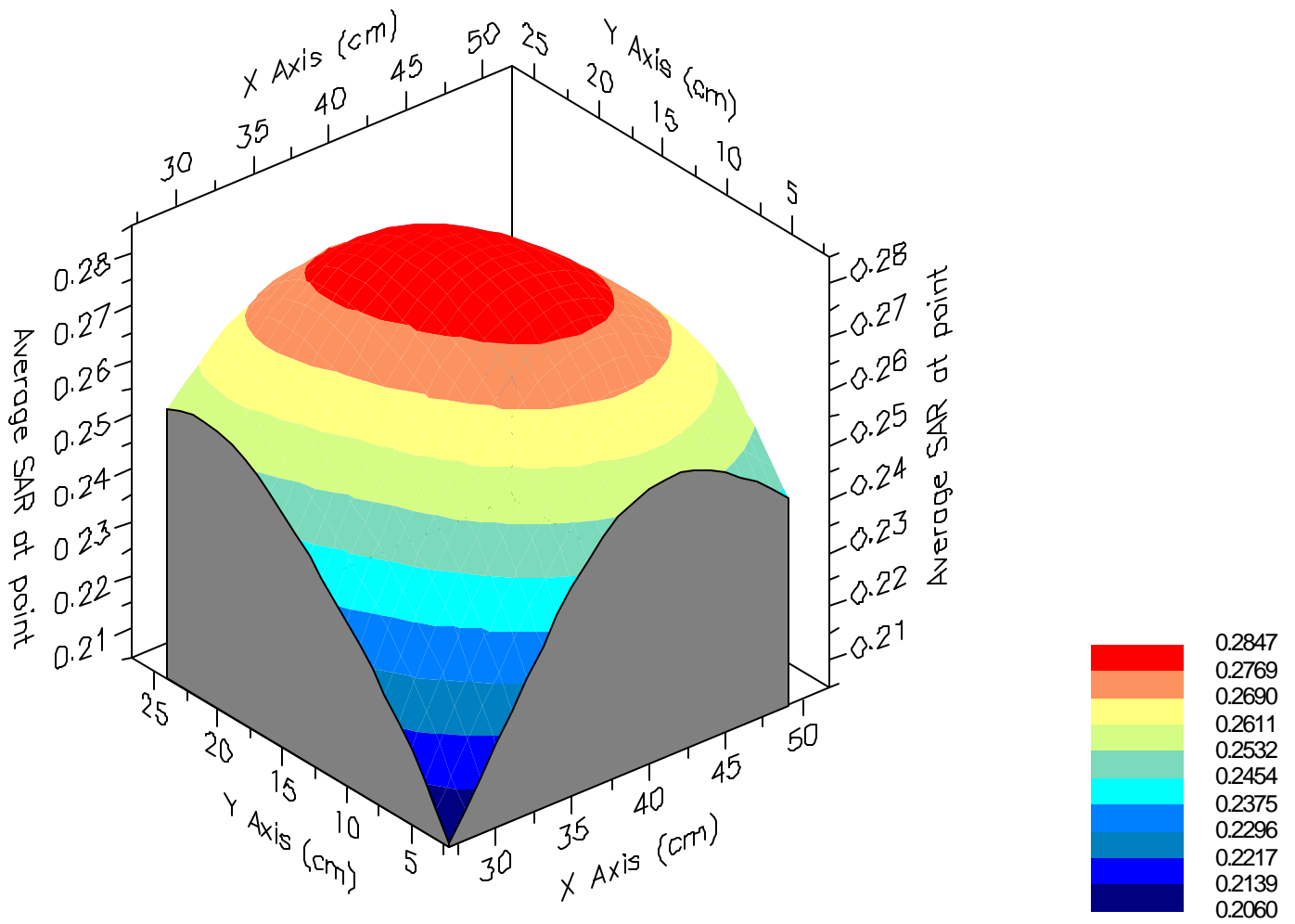
Max 1g SAR at x=39.0 y=15.0 z=0.0 = 0.28 W/kg

Max 10g SAR at x=38.0 y=15.0 z=0.0 = 0.20 W/kg

SAR - Z Axis
at Hotspot x:38.0 y:18.0



1g SAR Values





SAR Data Report 02070807

Start : 8-Jul-02 10:29:15 am
End : 8-Jul-02 10:35:29 am
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A220
Serial Number : 1
Frequency : 824.70 MHz
Transmit Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : Out

Measurement Data:

Phantom Name : SAM-R
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 42.200
Tissue Conductivity : 0.930
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: 100 Samples
NIDAQ Gain: 5

Comments:

CDMA Mode CH-1013
Tilt
CF=1; Amb. Temp= 22.5 'C; Liq. Temp=22.1 'C

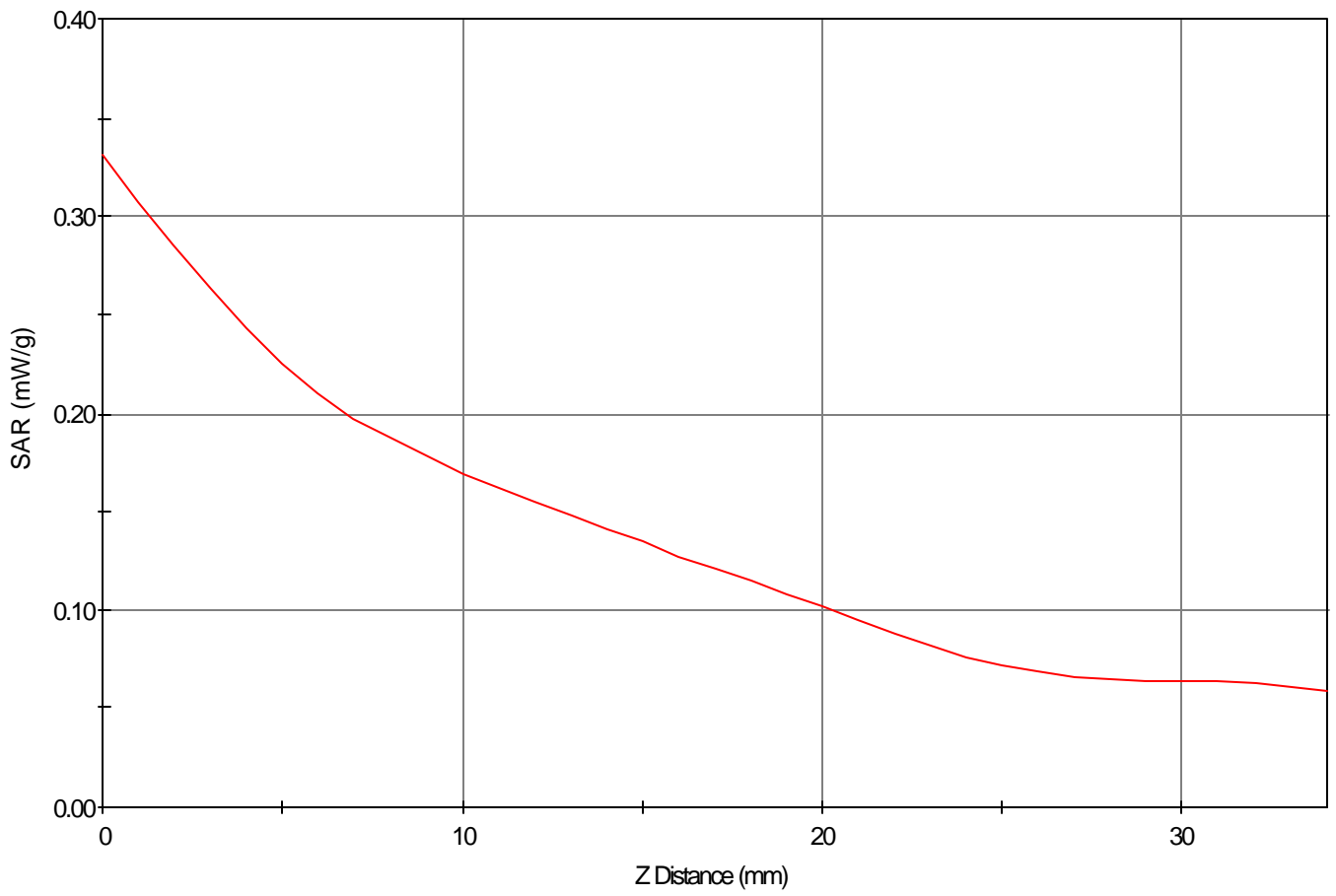
Area Scan - Max Peak SAR Value at x=64.0 y=18.0 = 0.24 W/kg

Zoom Scan - Max Peak SAR Value at x=56.0 y=22.0 z=0.0 = 0.33 W/kg

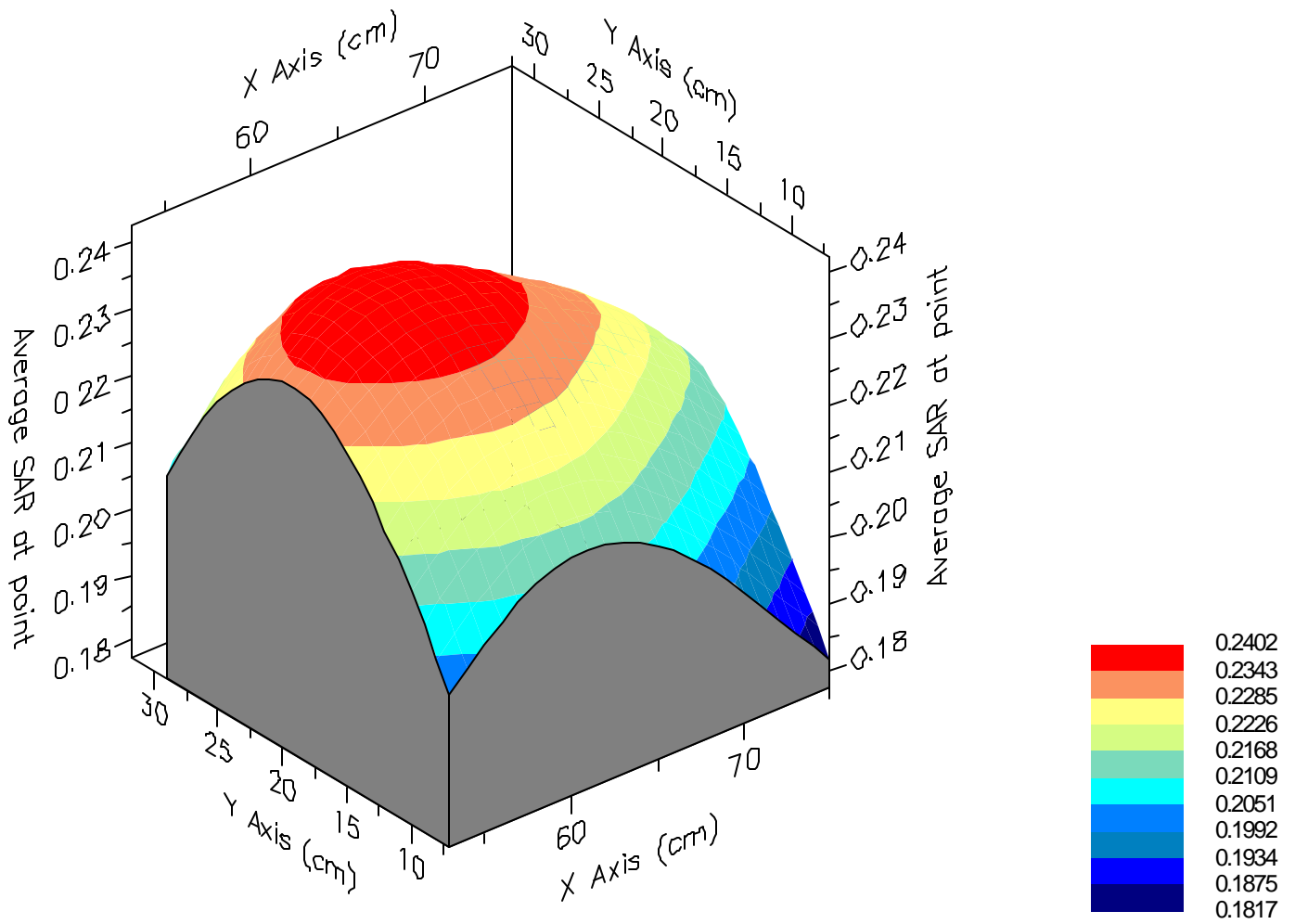
Max 1g SAR at x=59.0 y=20.0 z=0.0 = 0.24 W/kg

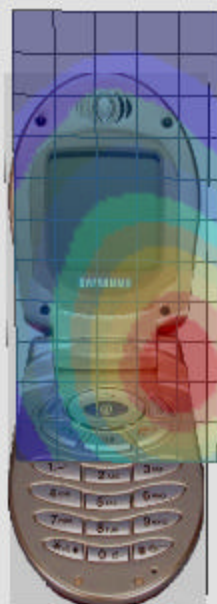
Max 10g SAR at x=62.0 y=19.0 z=0.0 = 0.17 W/kg

SAR - Z Axis
at Hotspot x:56.0 y:22.0



1g SAR Values





SAR Data Report 02070819

Start : 8-Jul-02 01:23:06 pm
End : 8-Jul-02 01:30:54 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A220
Serial Number : 1
Frequency : 1851.25 MHz
Transmit Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-R
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 40.890
Tissue Conductivity : 1.410
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: 100 Samples
NIDAQ Gain: 5

Comments:

PCS Mode CH-0025
Cheek
CF=1; Amb. Temp= 22.5 'C; Liq. Temp=22.1 'C

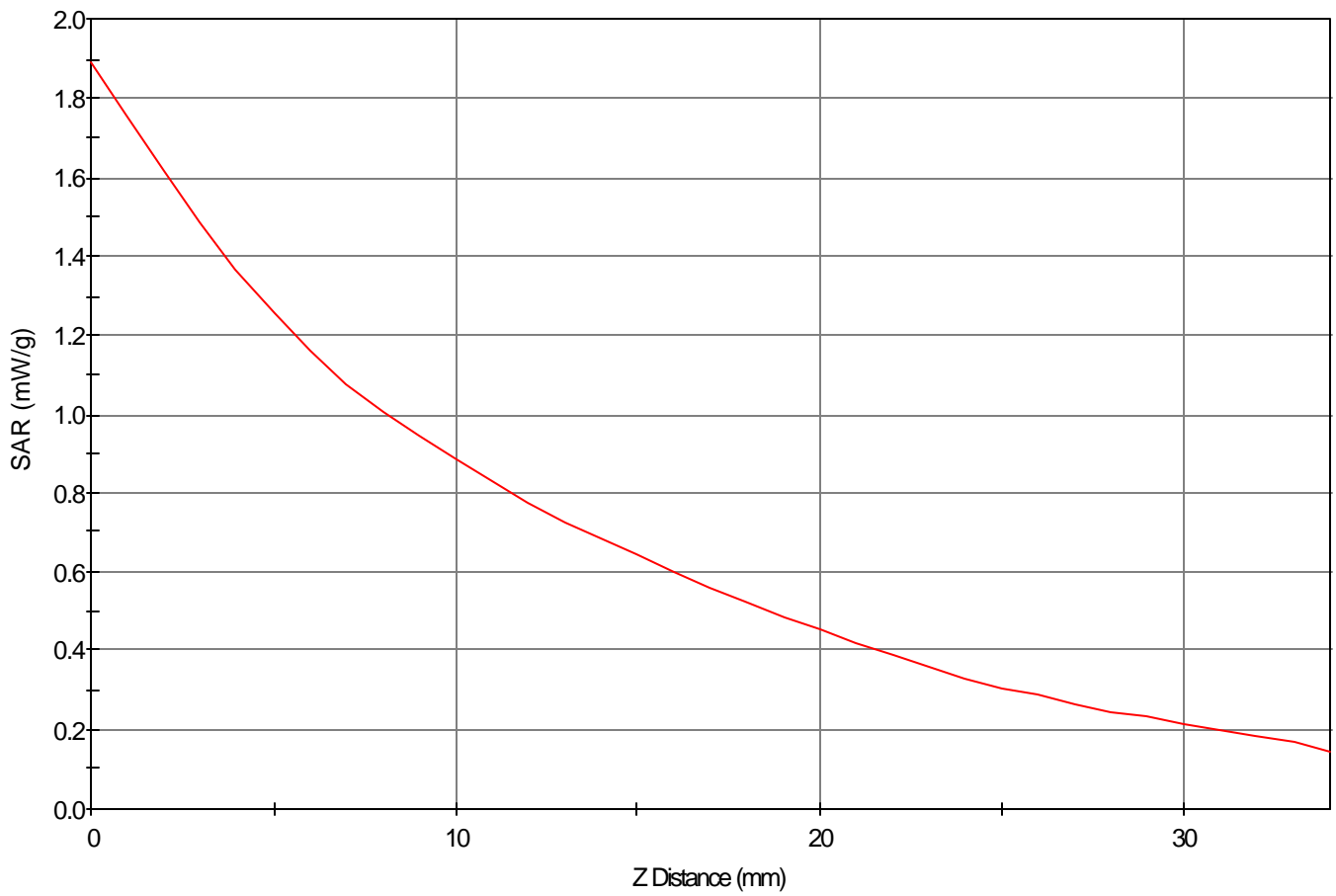
Area Scan - Max Peak SAR Value at x=87.0 y=12.0 = 1.25 W/kg

Zoom Scan - Max Peak SAR Value at x=84.0 y=14.0 z=0.0 = 1.89 W/kg

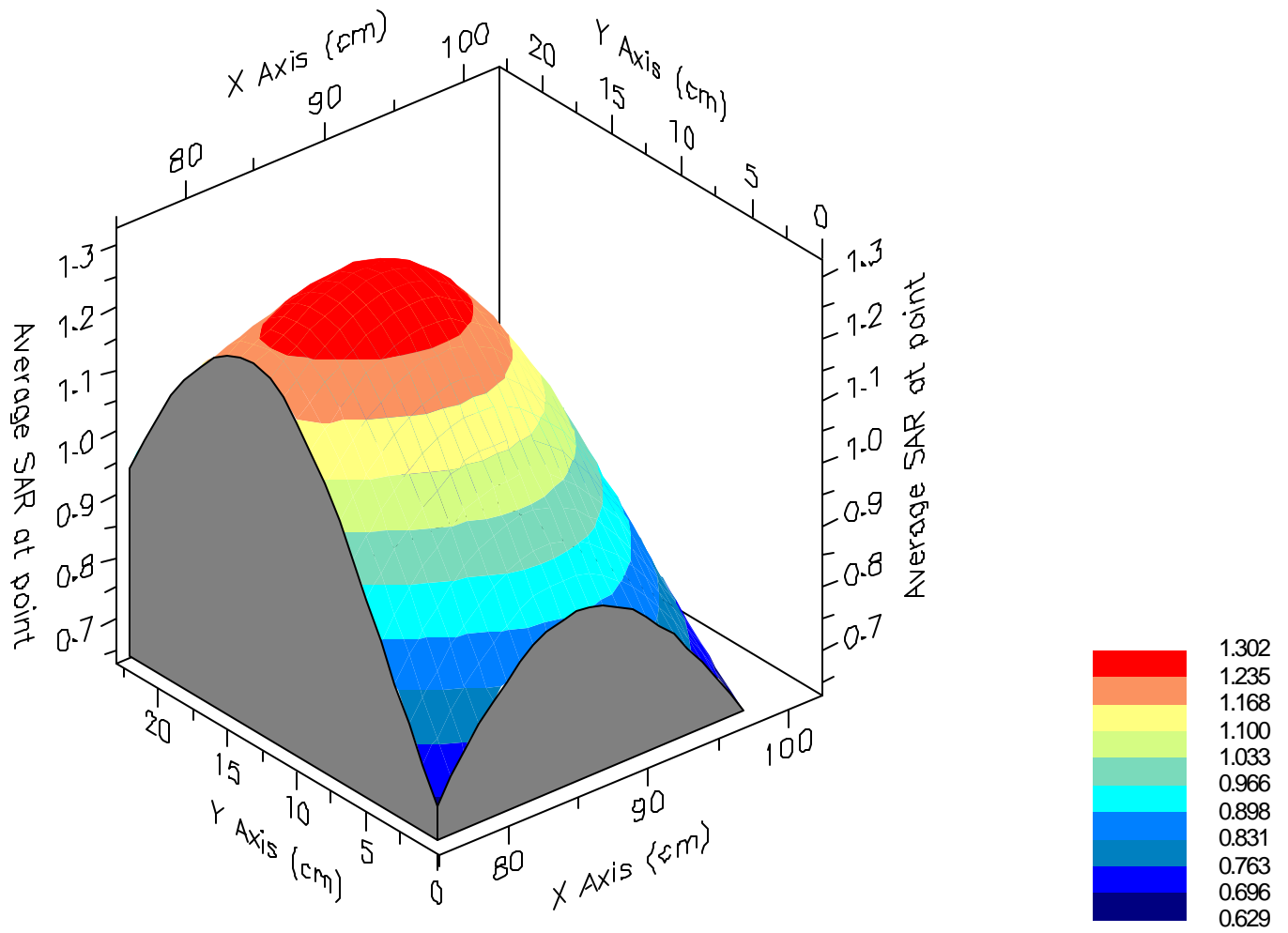
Max 1g SAR at x=84.0 y=13.0 z=0.0 = 1.30 W/kg

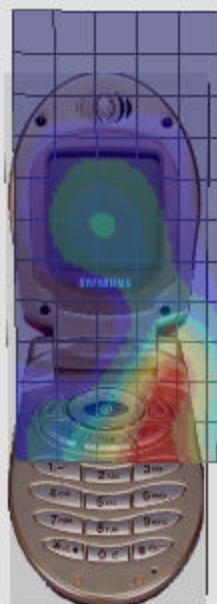
Max 10g SAR at x=82.0 y=13.0 z=0.0 = 0.82 W/kg

SAR - Z Axis
at Hotspot x:84.0 y:14.0



1g SAR Values





SAR Data Report 02070904

Start : 9-Jul-02 10:22:27 am
End : 9-Jul-02 10:33:42 am
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A220
Serial Number : 1
Frequency : 1851.25 MHz
Transmit Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-L
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 40.890
Tissue Conductivity : 1.410
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: 100 Samples
NIDAQ Gain: 5

Comments:

PCS Mode CH-0025
Cheek
CF=1; Amb. Temp= 22.4 'C; Liq. Temp=22.1 'C

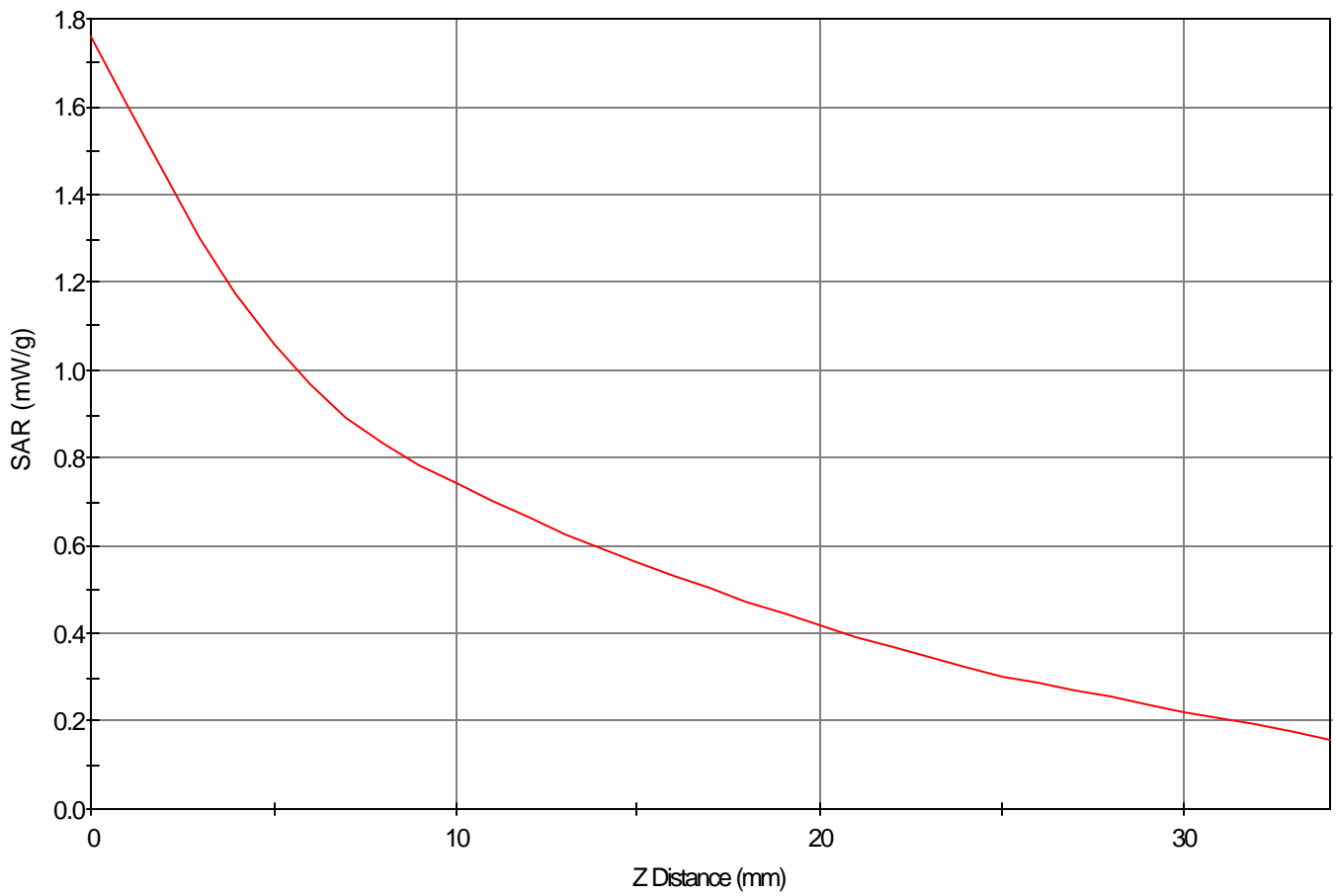
Area Scan - Max Peak SAR Value at x=85.0 y=-2.0 = 1.18 W/kg

Zoom Scan - Max Peak SAR Value at x=69.0 y=14.0 z=0.0 = 1.76 W/kg

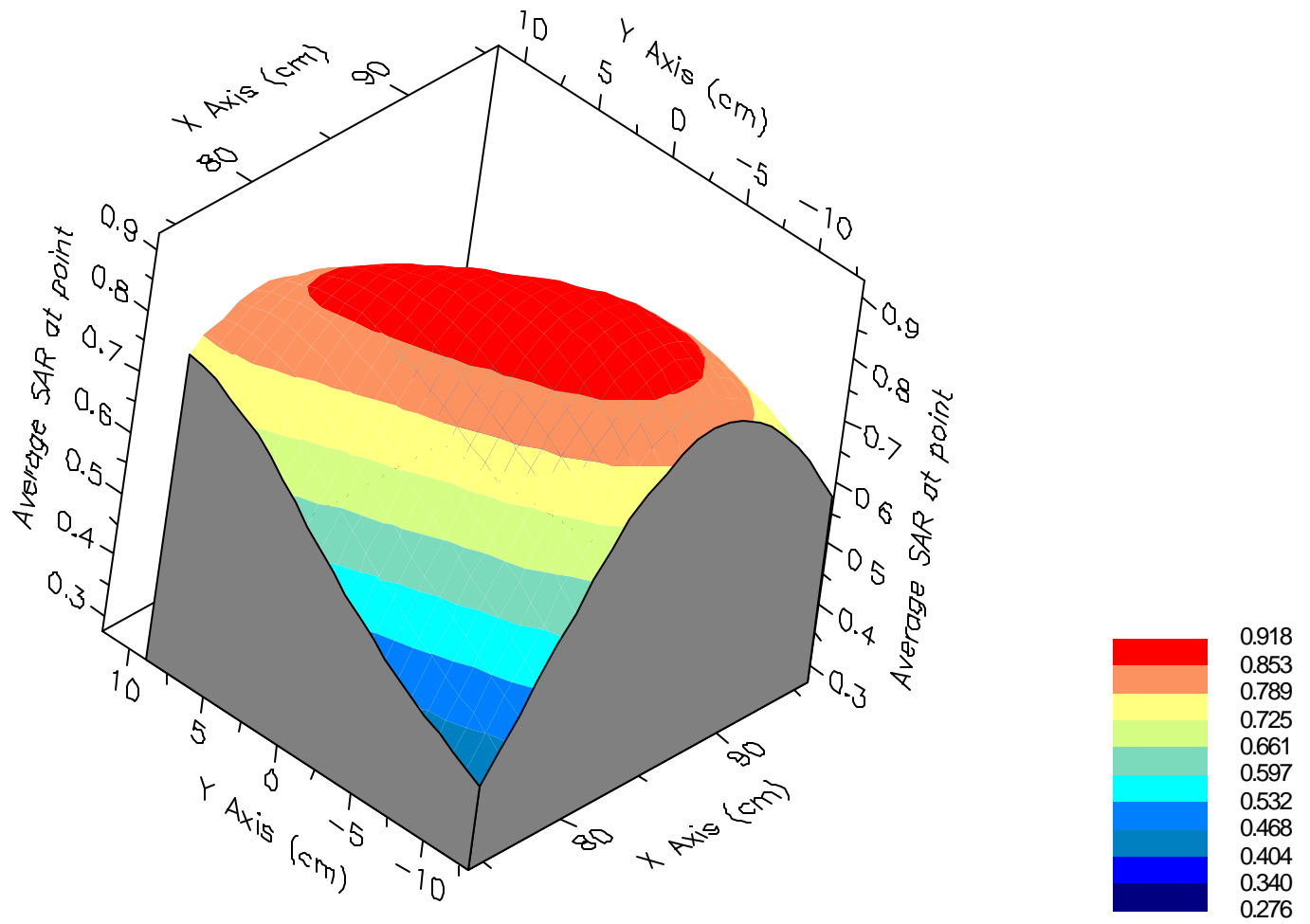
Max 1g SAR at x=82.0 y=5.0 z=0.0 = 1.22 W/kg

Max 10g SAR at x=83.0 y=0.0 z=0.0 = 0.80 W/kg

SAR - Z Axis
at Hotspot x:69.0 y:14.0



1g SAR Values





SAR Data Report 02070823

Start : 8-Jul-02 02:04:32 pm
End : 8-Jul-02 02:10:43 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A220
Serial Number : 1
Frequency : 1851.25 MHz
Transmit Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-R
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 40.890
Tissue Conductivity : 1.410
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: 100 Samples
NIDAQ Gain: 5

Comments:

PCS Mode CH-25
Tilt
CF=1; Amb. Temp= 22.5 'C; Liq. Temp=22.1 'C

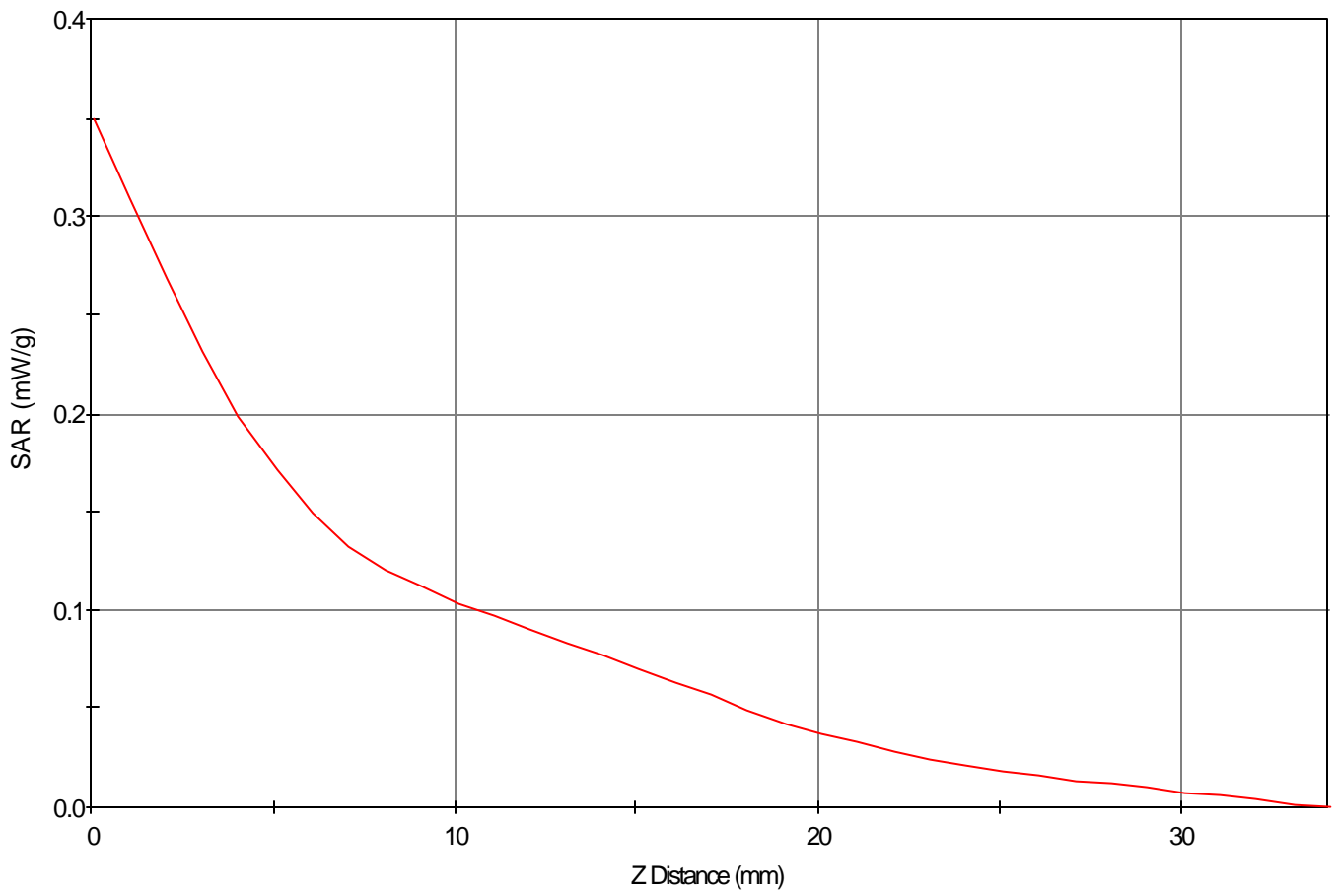
Area Scan - Max Peak SAR Value at x=18.0 y=1.0 = 0.13 W/kg

Zoom Scan - Max Peak SAR Value at x=9.0 y=17.0 z=0.0 = 0.35 W/kg

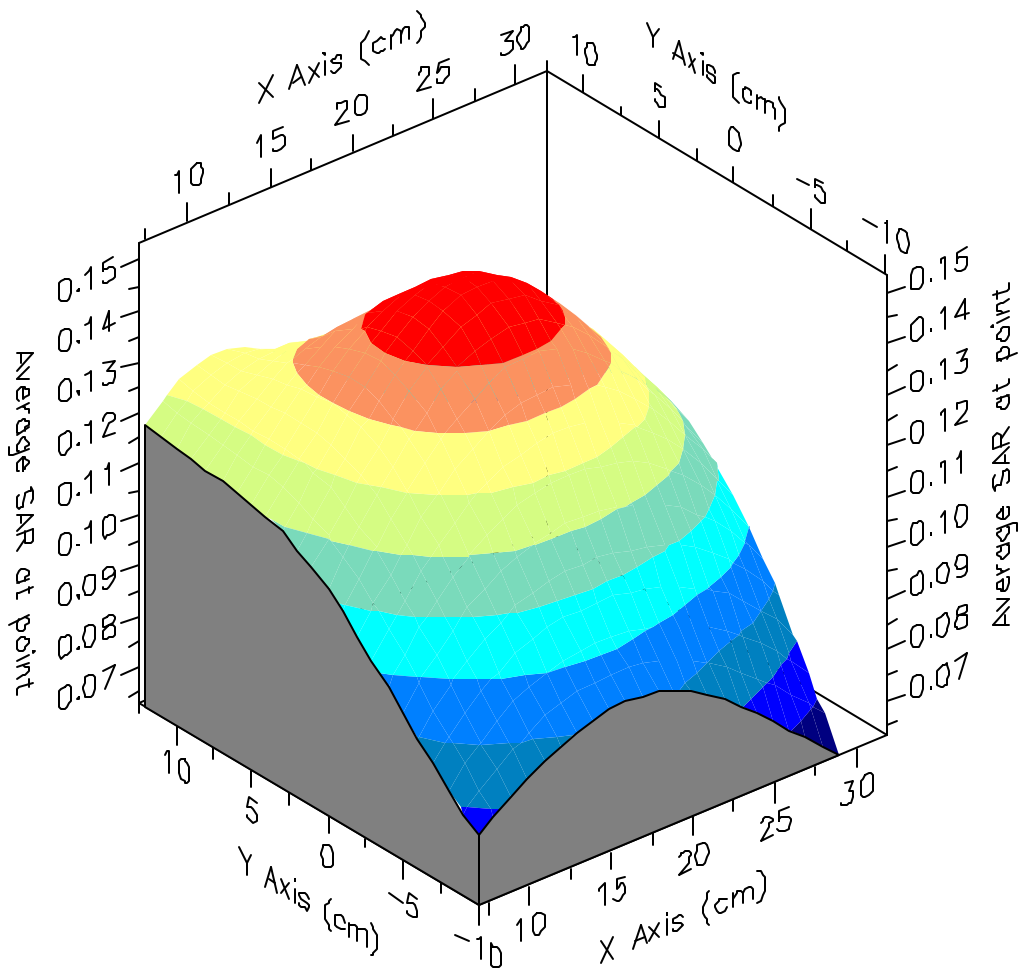
Max 1g SAR at x=18.0 y=3.0 z=0.0 = 0.15 W/kg

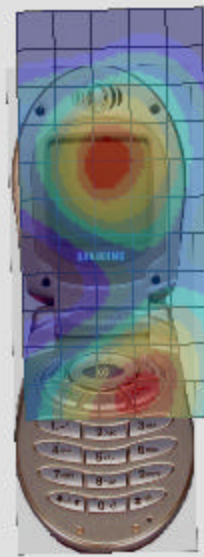
Max 10g SAR at x=18.0 y=5.0 z=0.0 = 0.08 W/kg

SAR - Z Axis
at Hotspot x:9.0 y:17.0



1g SAR Values





SAR Data Report 02070912

Start : 9-Jul-02 12:35:58 pm
End : 9-Jul-02 12:42:42 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A220
Serial Number : 1
Frequency : 1851.25 MHz
Transmit Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : Out

Measurement Data:

Phantom Name : SAM-L
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 40.890
Tissue Conductivity : 1.410
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: 100 Samples
NIDAQ Gain: 5

Comments:

PCS Mode CH-25
Tilt
CF=1; Amb. Temp= 22.4 'C; Liq. Temp=22.1 'C

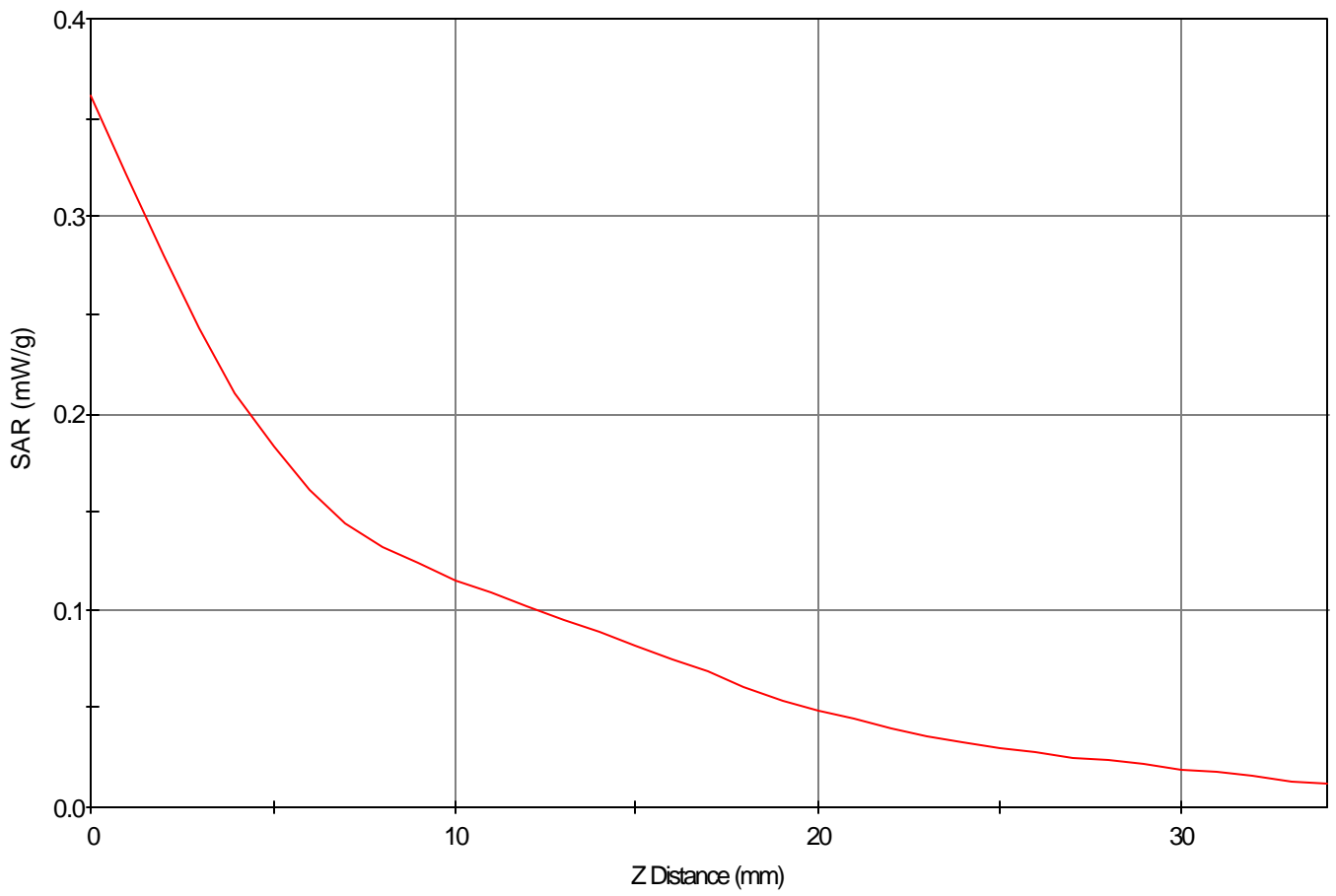
Area Scan - Max Peak SAR Value at x=-11.0 y=14.0 = 0.20 W/kg

Zoom Scan - Max Peak SAR Value at x=-13.0 y=13.0 z=0.0 = 0.36 W/kg

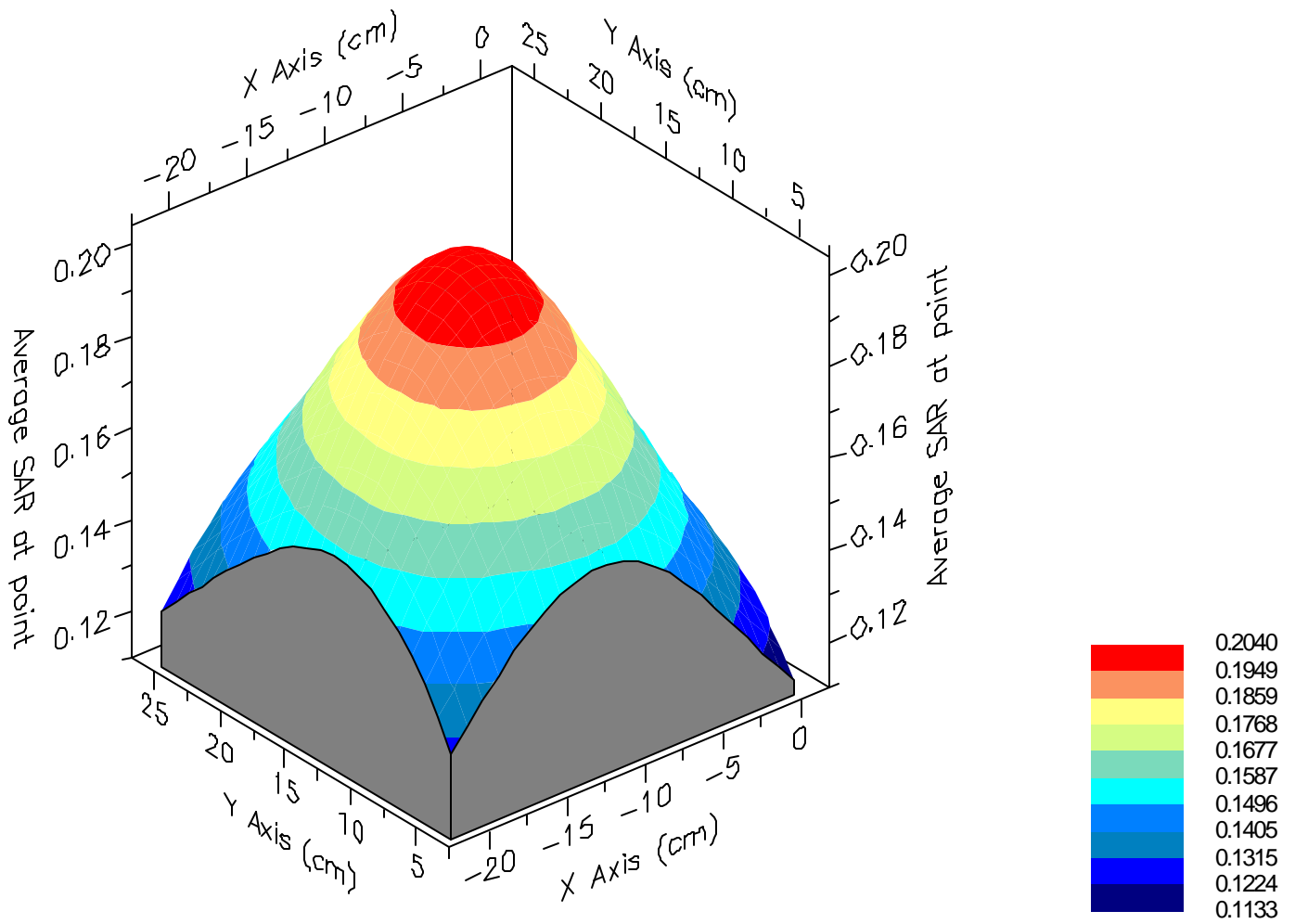
Max 1g SAR at x=-12.0 y=14.0 z=0.0 = 0.20 W/kg

Max 10g SAR at x=-11.0 y=15.0 z=0.0 = 0.12 W/kg

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



1g SAR Values





SAR Data Report 02070837

Start : 8-Jul-02 05:17:22 pm
End : 8-Jul-02 05:23:29 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A220
Serial Number : 1
Frequency : 824.70 MHz
Transmit Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : Out

Measurement Data:

Phantom Name : SAM-FLAT
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 53.900
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: 100 Samples
NIDAQ Gain: 5

Comments:

CDMA Mode CH-1013
Body - SLIM
CF=1; Amb. Temp= 22.5 'C; Liq. Temp=22.1 'C

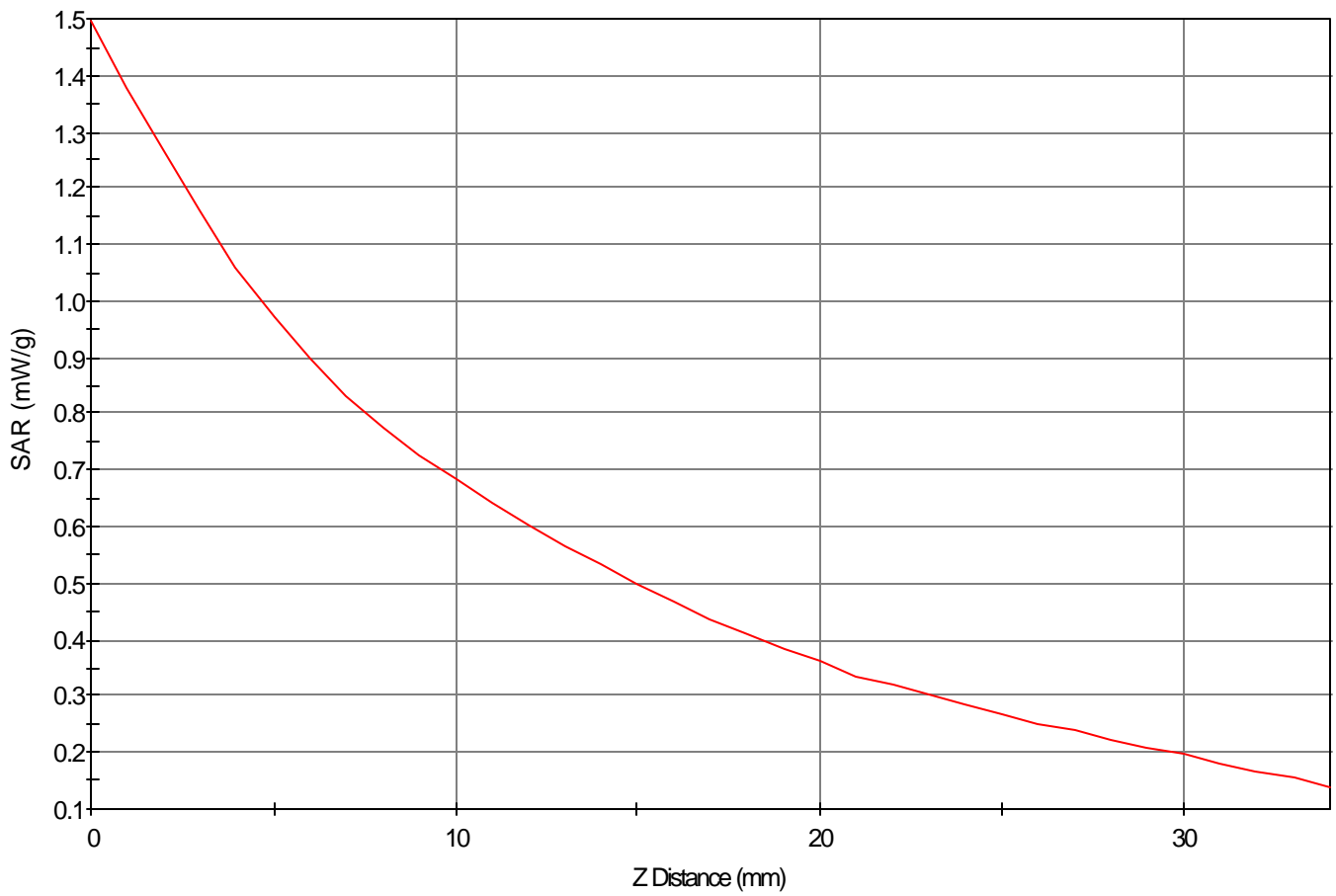
Area Scan - Max Peak SAR Value at x=4.0 y=-4.0 = 0.99 W/kg

Zoom Scan - Max Peak SAR Value at x=5.0 y=-6.0 z=0.0 = 1.49 W/kg

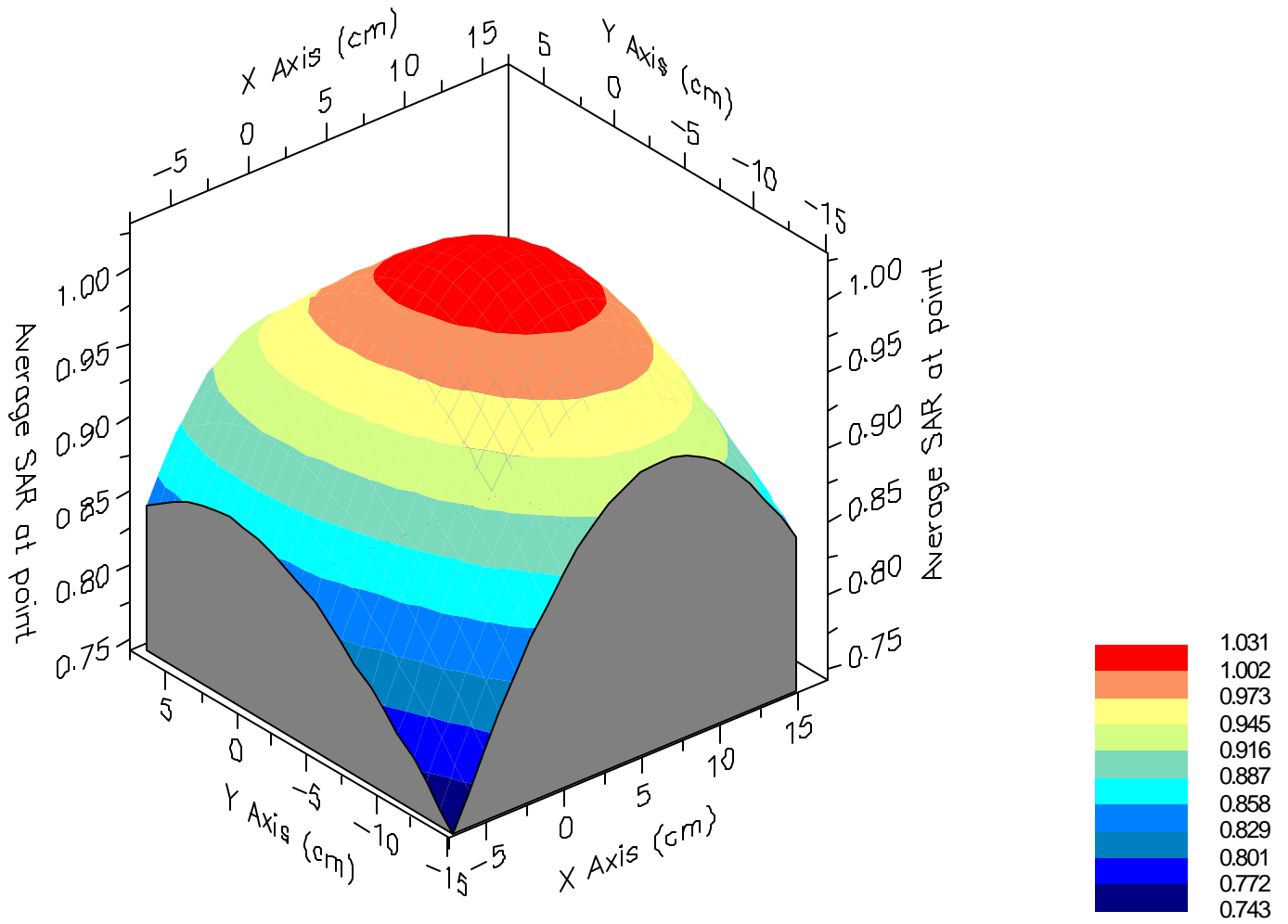
Max 1g SAR at x=5.0 y=-5.0 z=0.0 = 1.03 W/kg

Max 10g SAR at x=5.0 y=-5.0 z=0.0 = 0.69 W/kg

SAR - Z Axis
at Hotspot x:5.0 y:-6.0



1g SAR Values





SAR Data Report 02070927

Start : 9-Jul-02 04:18:21 pm
End : 9-Jul-02 04:24:15 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A220
Serial Number : 1
Frequency : 1908.75 MHz
Transmit Pwr : 0.280 W
Antenna Type : Helical
Antenna Posn. : Out

Measurement Data:

Phantom Name : SAM-FLAT
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 53.900
Tissue Conductivity : 1.540
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: 100 Samples
NIDAQ Gain: 5

Comments:

PCS Mode CH-1175
Body
CF=1; Amb. Temp= 22.4 'C; Liq. Temp=22.1 'C

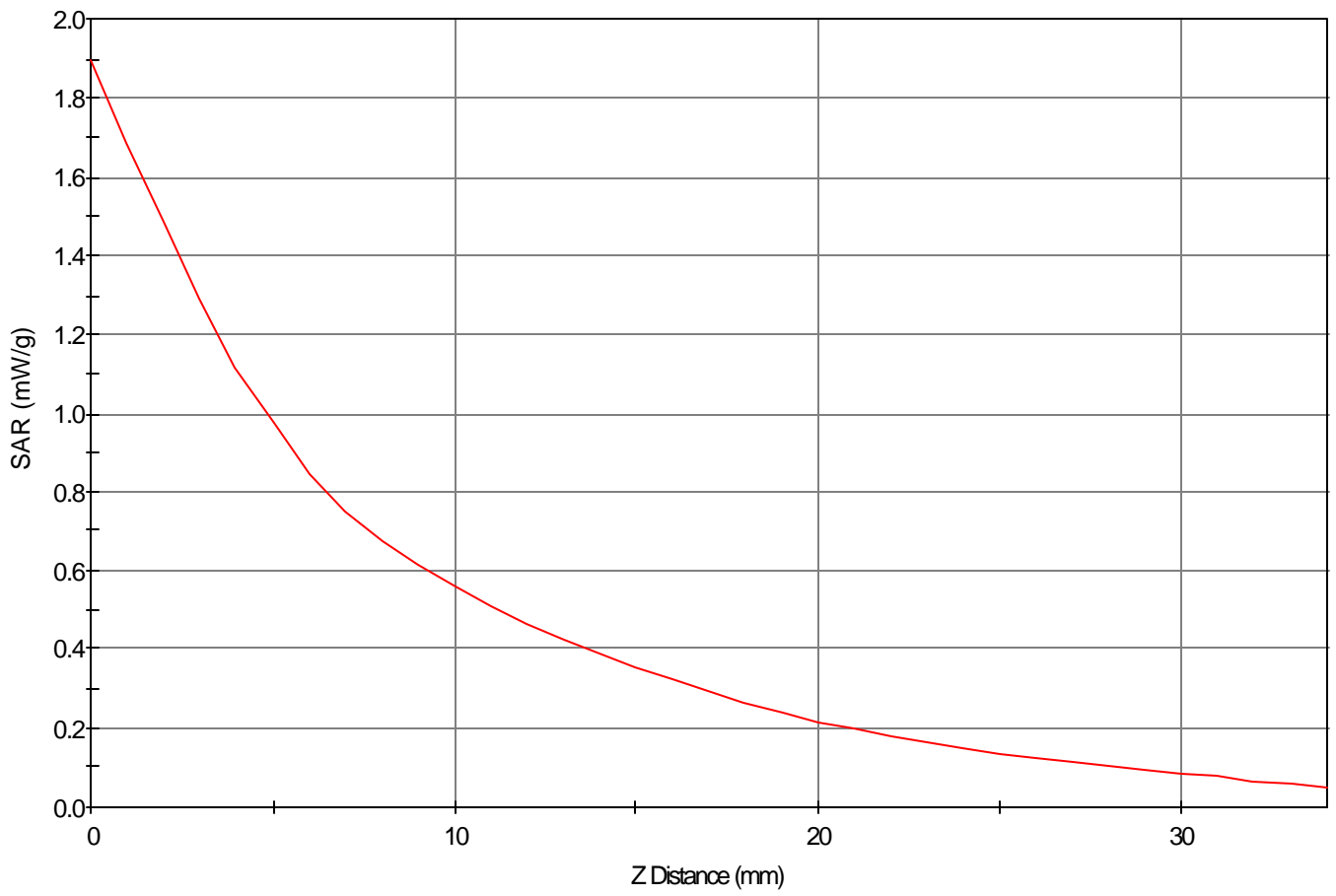
Area Scan - Max Peak SAR Value at x=-1.0 y=25.0 = 0.97 W/kg

Zoom Scan - Max Peak SAR Value at x=0.0 y=24.0 z=0.0 = 1.90 W/kg

Max 1g SAR at x=0.0 y=25.0 z=0.0 = 1.10 W/kg

Max 10g SAR at x=-1.0 y=26.0 z=0.0 = 0.61 W/kg

SAR - Z Axis
at Hotspot x:0.0 y:24.0



1g SAR Values

