

SAR Data Report 04083105

Start : 31-Aug-04 11:43:56 am
End : 31-Aug-04 11:50:14 am
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : LGE
Model Number : A7110
Serial Number : 1
Frequency : 836.60 MHz
Transmit Pwr : 2.000 W
Antenna Type : Helical
Antenna Posn. : Fixed

Measurement Data:

Phantom Name : SAM-RIGHT
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 41.340
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 : 40.240
Calibrated Conductivity : 0.900
Calibrated Density : 1.300
Probe Offset : 2.400 mm
Conversion Factor : 5.600
Probe Sensitivity : 2.809 3.327 3.274 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-190
Cheek
CF=8; Amb. Temp= 22.1 'C; Liq. Temp=20.1 'C

Power Drop Test:

Reading @ start = 0.542
Reading @ End = 0.537
Power at End = 99.1%

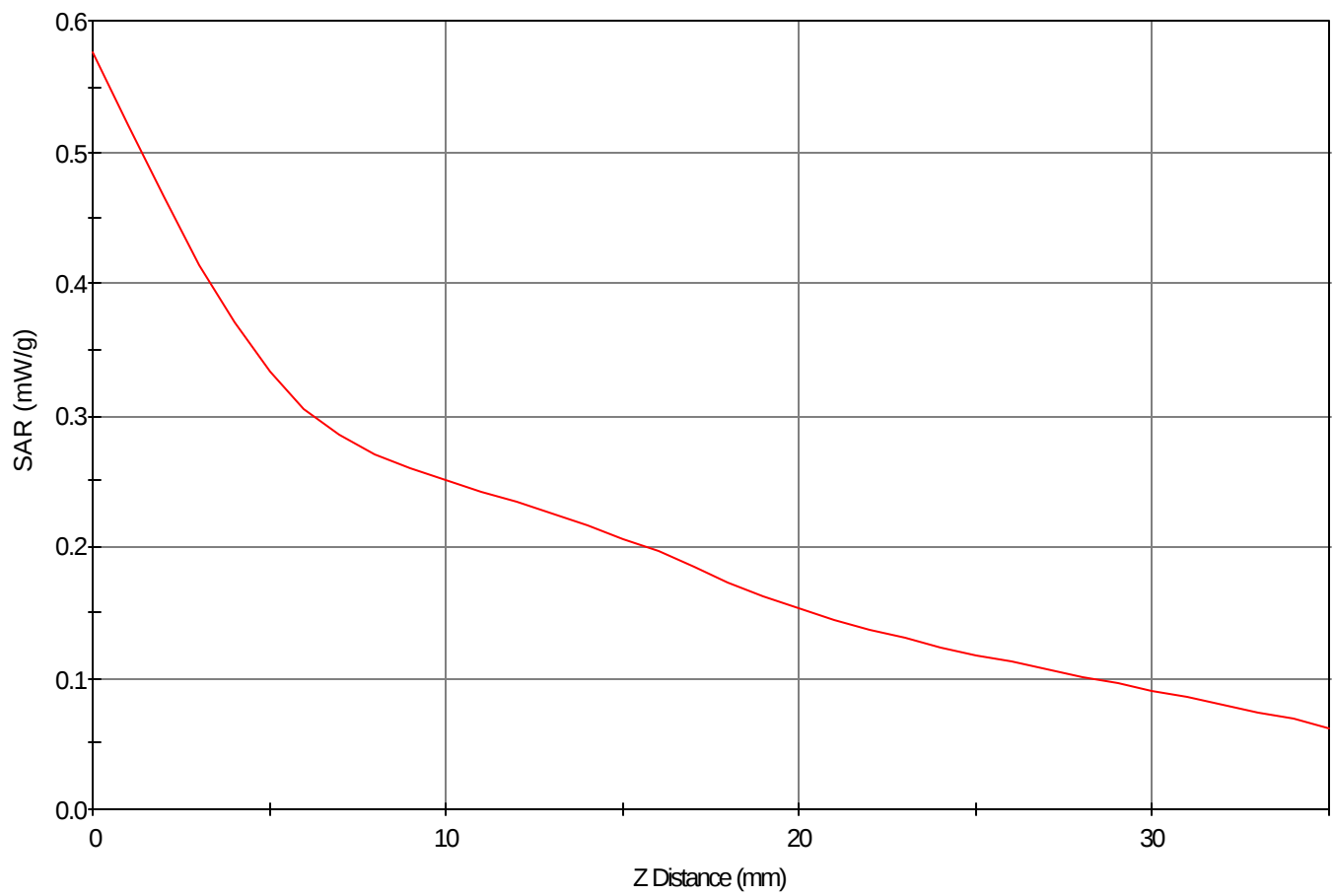
Area Scan - Max Peak SAR Value at x=19.0 y=-4.0 = 0.35 W/kg

Zoom Scan - Max Peak SAR Value at x=27.0 y=-12.0 z=0.0 = 0.58 W/kg

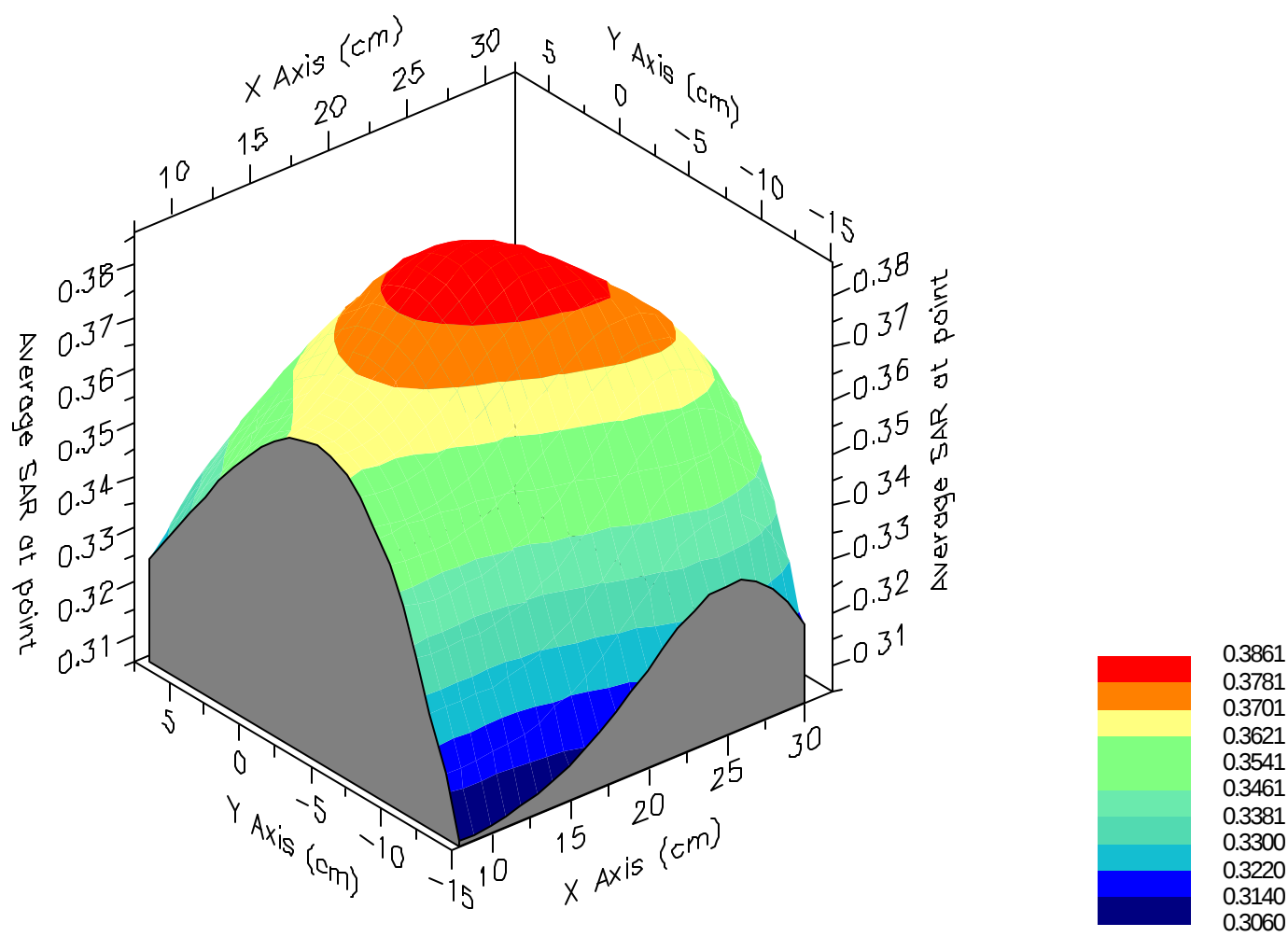
Max 1g SAR at x=20.0 y=-4.0 z=0.0 = 0.39 W/kg

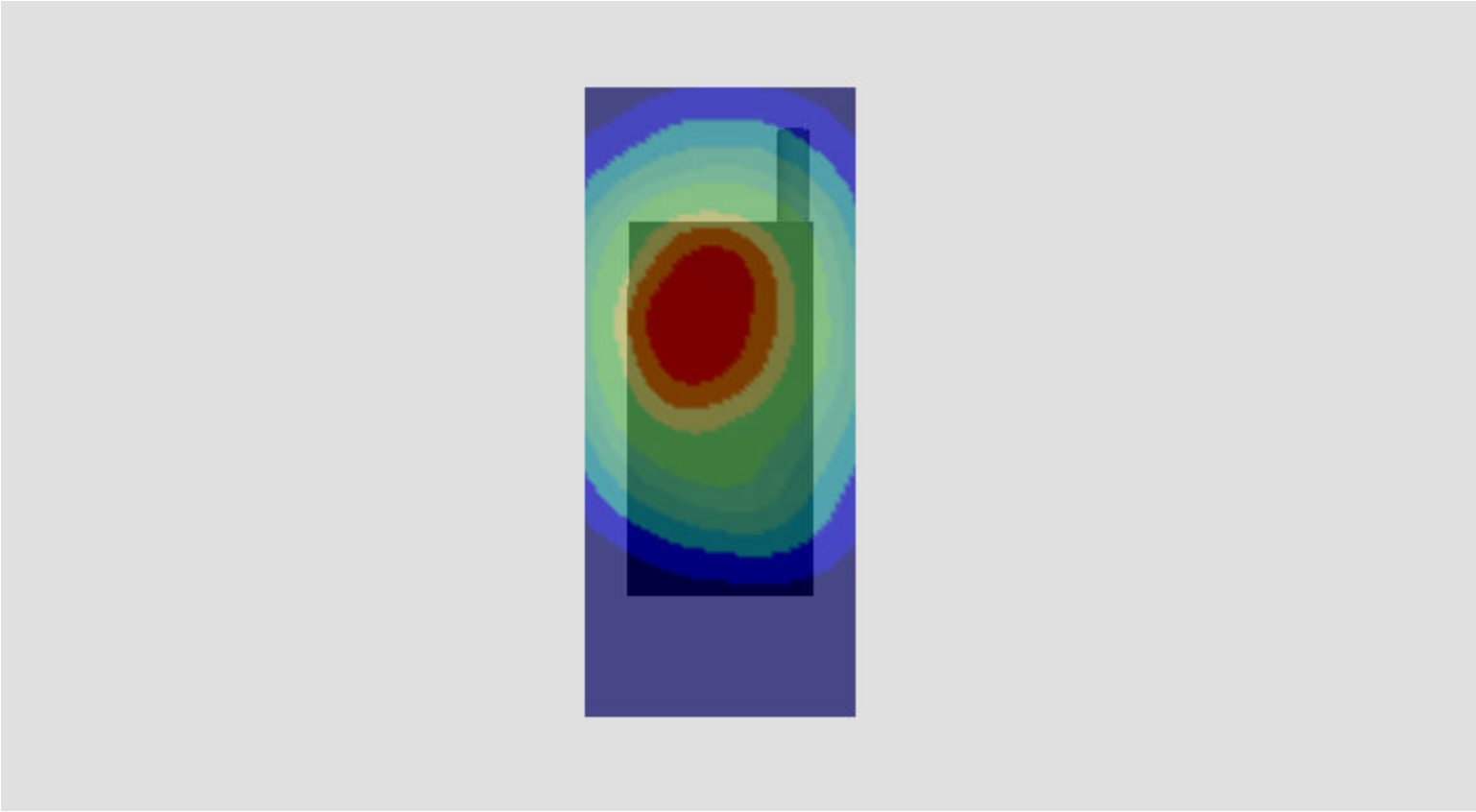
Max 10g SAR at x=19.0 y=-4.0 z=0.0 = 0.27 W/kg

SAR - Z Axis
at Hotspot x:27.0 y:-12.0



1g SAR Values





SAR Data Report 04083109

Start : 31-Aug-04 12:14:26 pm
End : 31-Aug-04 12:20:38 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : LGE
Model Number : A7110
Serial Number : 1
Frequency : 836.60 MHz
Transmit Pwr : 2.000 W
Antenna Type : Helical
Antenna Posn. : Fixed

Measurement Data:

Phantom Name : SAM-RIGHT
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 41.340
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 : 40.240
Calibrated Conductivity : 0.900
Calibrated Density : 1.300
Probe Offset : 2.400 mm
Conversion Factor : 5.600
Probe Sensitivity : 2.809 3.327 3.274 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-190
Tilt
CF=8; Amb. Temp= 22.1 'C; Liq. Temp=20.1 'C

Power Drop Test:

Reading @ start = 0.591
Reading @ End = 0.579
Power at End = 97.9%

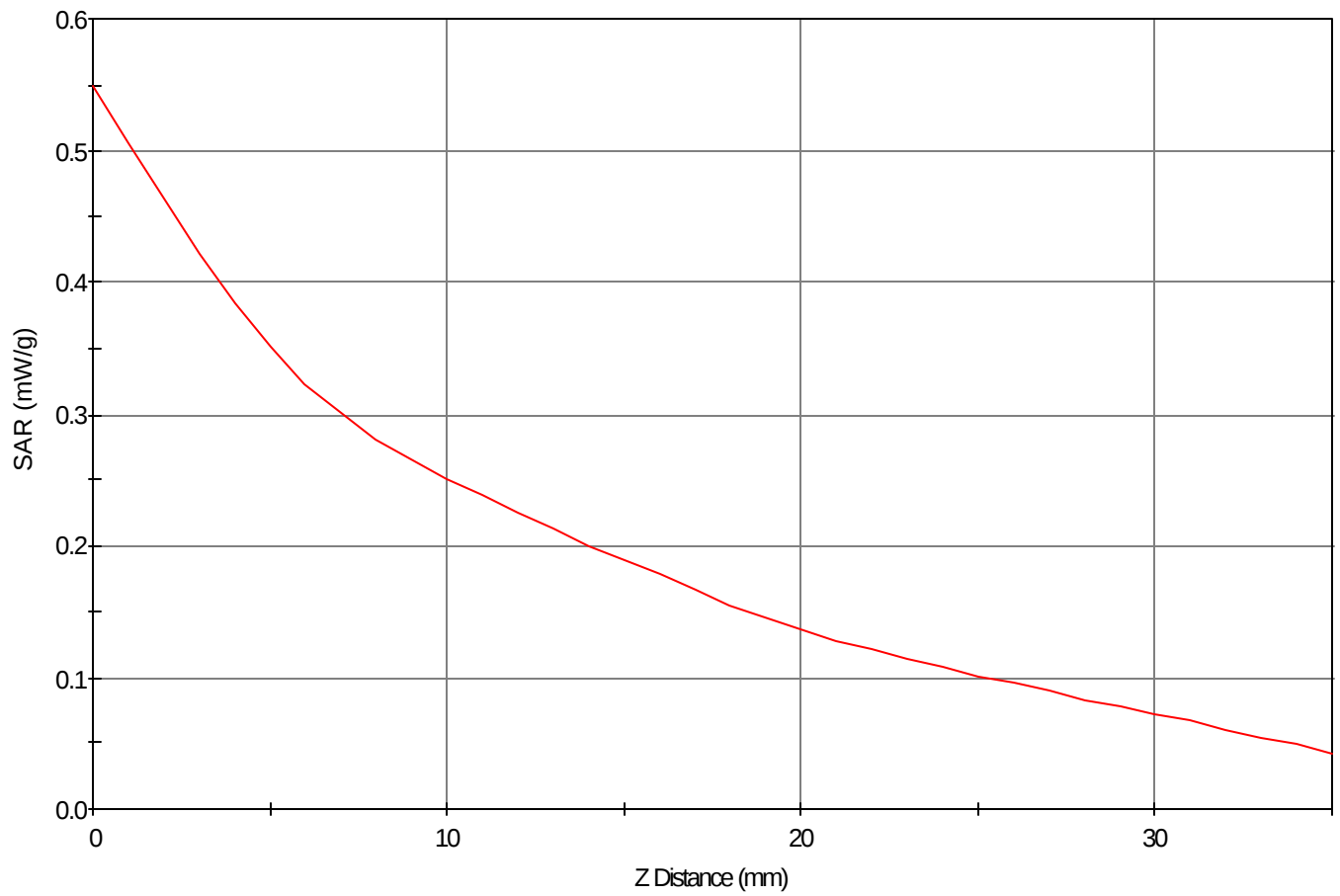
Area Scan - Max Peak SAR Value at x=7.0 y=1.0 = 0.34 W/kg

Zoom Scan - Max Peak SAR Value at x=0.0 y=-2.0 z=0.0 = 0.55 W/kg

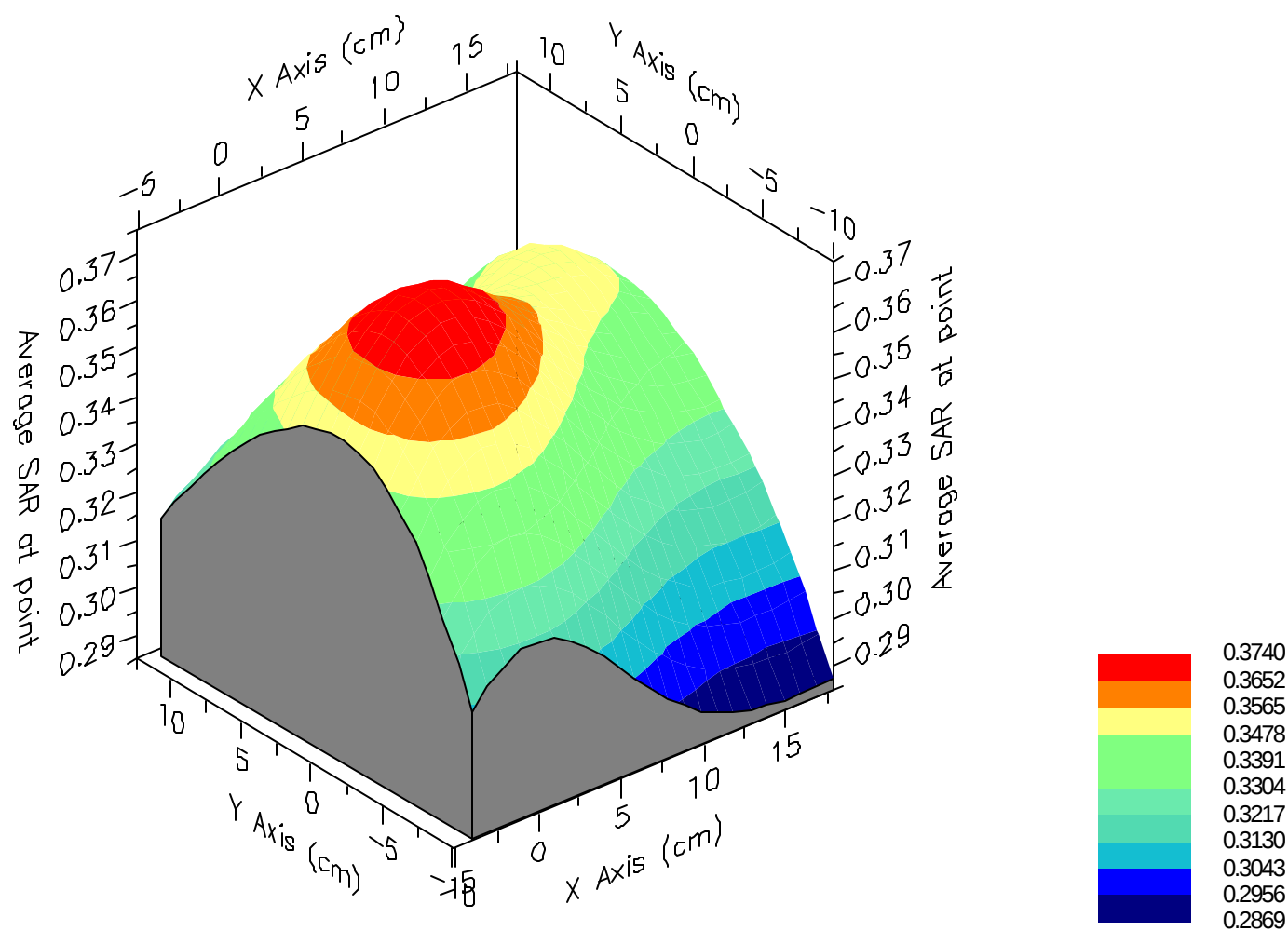
Max 1g SAR at x=2.0 y=0.0 z=0.0 = 0.37 W/kg

Max 10g SAR at x=8.0 y=2.0 z=0.0 = 0.26 W/kg

SAR - Z Axis
at Hotspot x:0.0 y:-2.0



1g SAR Values





SAR Data Report 04083112

Start : 31-Aug-04 12:47:10 pm
End : 31-Aug-04 12:53:32 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : LGE
Model Number : A7110
Serial Number : 1
Frequency : 836.60 MHz
Transmit Pwr : 2.000 W
Antenna Type : Helical
Antenna Posn. : Fixed

Measurement Data:

Phantom Name : SAM-LEFT
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 41.340
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 : 40.240
Calibrated Conductivity : 0.900
Calibrated Density : 1.300
Probe Offset : 2.400 mm
Conversion Factor : 5.600
Probe Sensitivity : 2.809 3.327 3.274 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-190
Cheek
CF=8; Amb. Temp= 22.1 'C; Liq. Temp=20.1 'C

Power Drop Test:

Reading @ start = 0.588
Reading @ End = 0.630
Power at End = 107.2%

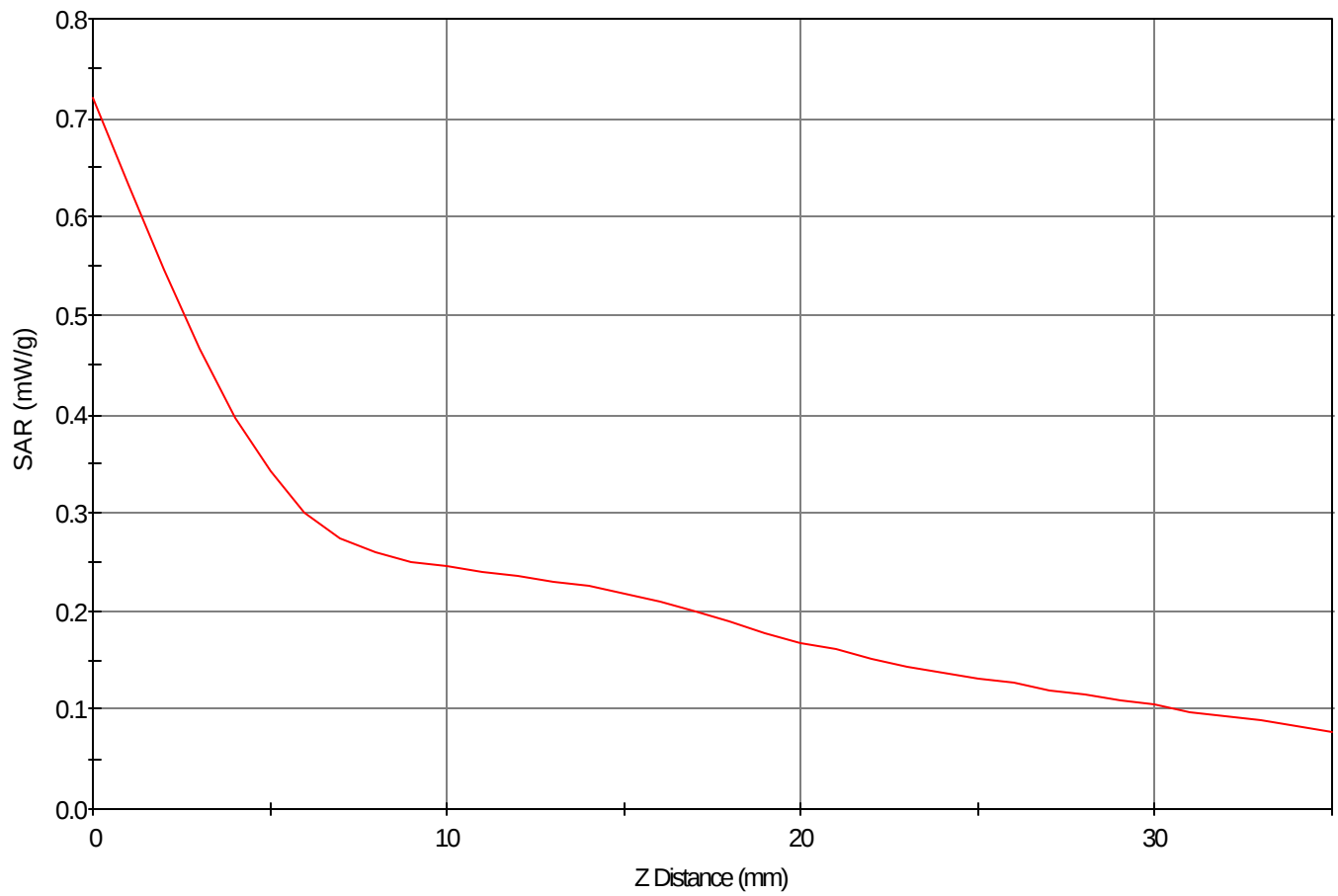
Area Scan - Max Peak SAR Value at x=20.0 y=3.0 = 0.39 W/kg

Zoom Scan - Max Peak SAR Value at x=4.0 y=-5.0 z=0.0 = 0.72 W/kg

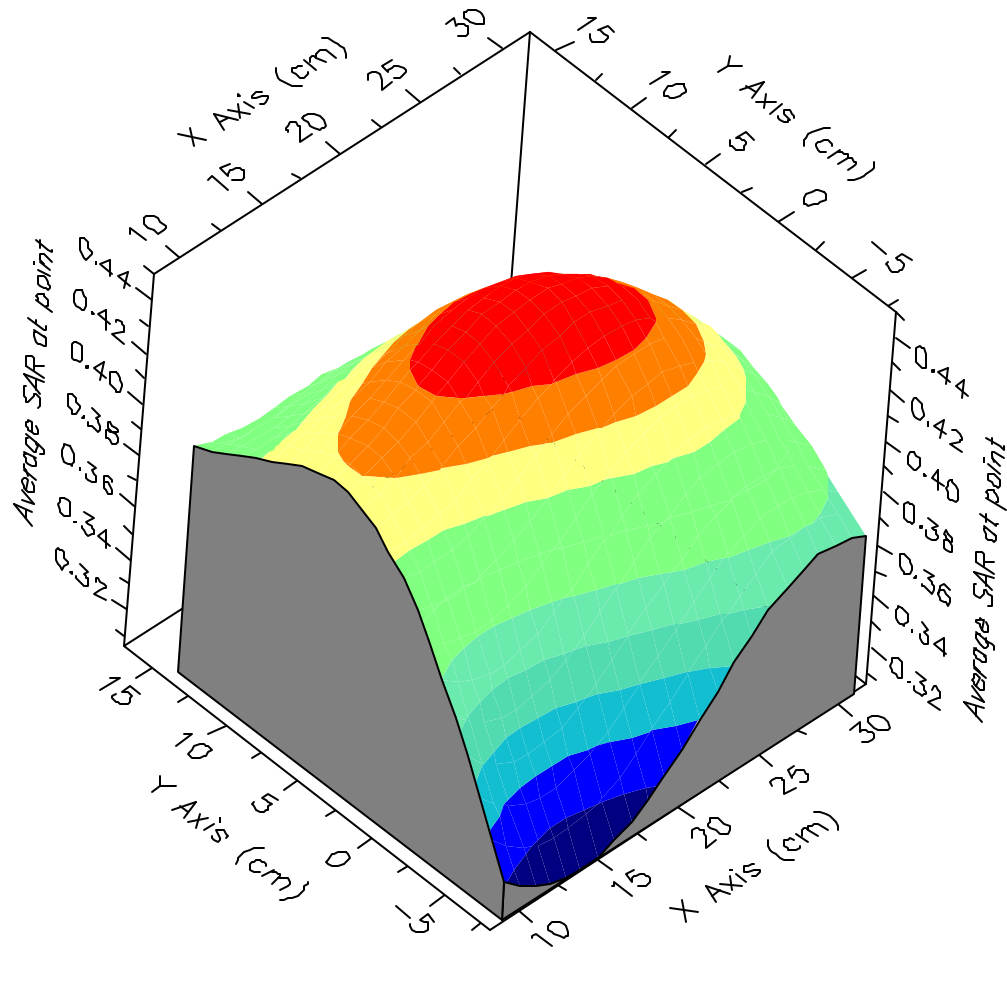
Max 1g SAR at x=20.0 y=4.0 z=0.0 = 0.45 W/kg

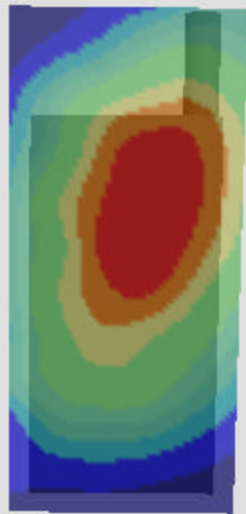
Max 10g SAR at x=15.0 y=6.0 z=0.0 = 0.32 W/kg

SAR - Z Axis
at Hotspot x:4.0 y:-5.0



1g SAR Values





SAR Data Report 04083116

Start : 31-Aug-04 01:33:29 pm
End : 31-Aug-04 01:39:46 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : LGE
Model Number : A7110
Serial Number : 1
Frequency : 836.60 MHz
Transmit Pwr : 2.000 W
Antenna Type : Helical
Antenna Posn. : Fixed

Measurement Data:

Phantom Name : SAM-LEFT
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 41.340
Tissue Conductivity : 0.900
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 : 40.240
Calibrated Conductivity : 0.890
Calibrated Density : 1.300
Probe Offset : 2.400 mm
Conversion Factor : 5.600
Probe Sensitivity : 2.809 3.327 3.274 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-190
Tilt
CF=8; Amb. Temp= 22.1 'C; Liq. Temp=20.1 'C

Power Drop Test:

Reading @ start = 0.714
Reading @ End = 0.676
Power at End = 94.8%

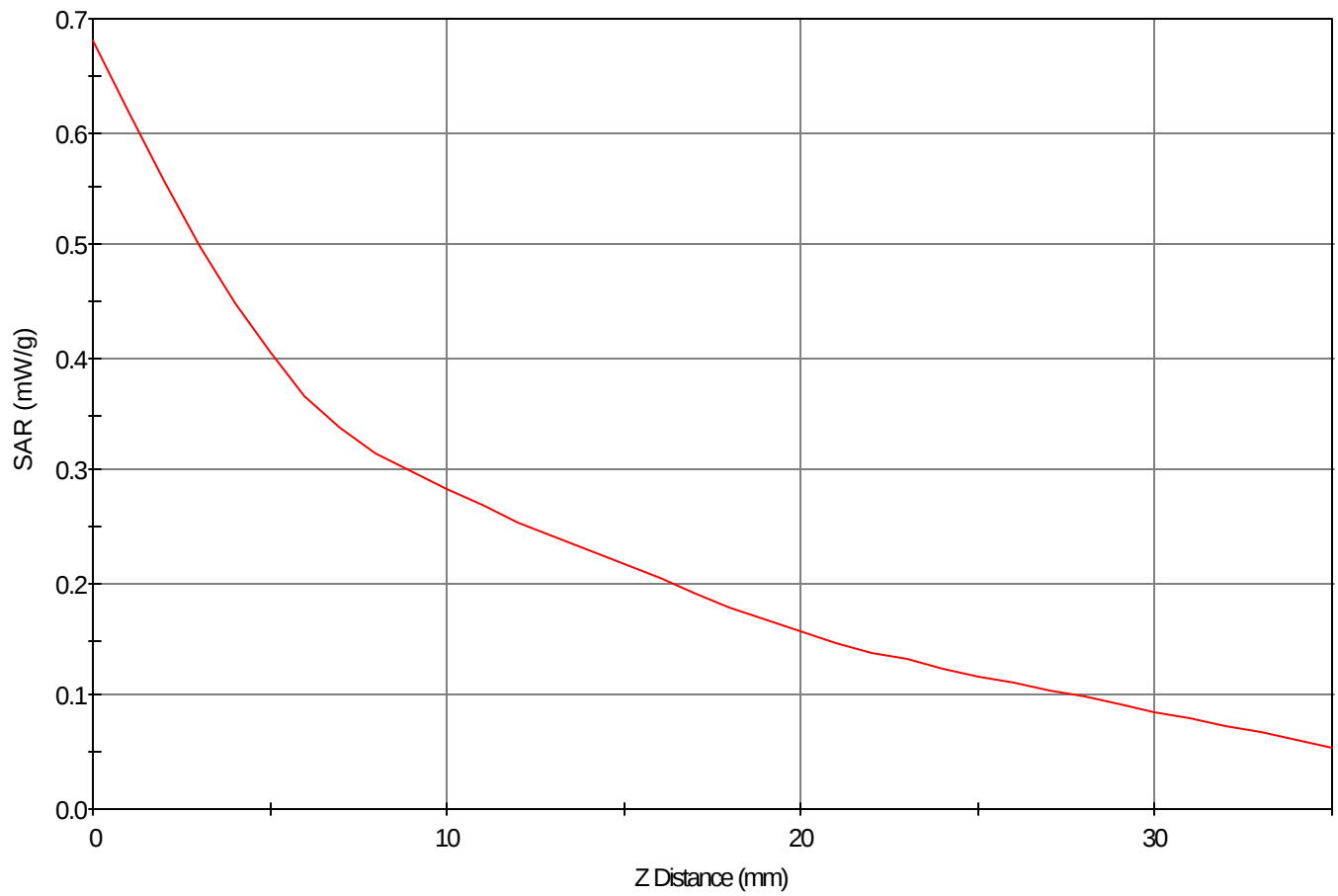
Area Scan - Max Peak SAR Value at x=0.0 y=11.0 = 0.42 W/kg

Zoom Scan - Max Peak SAR Value at x=0.0 y=17.0 z=0.0 = 0.68 W/kg

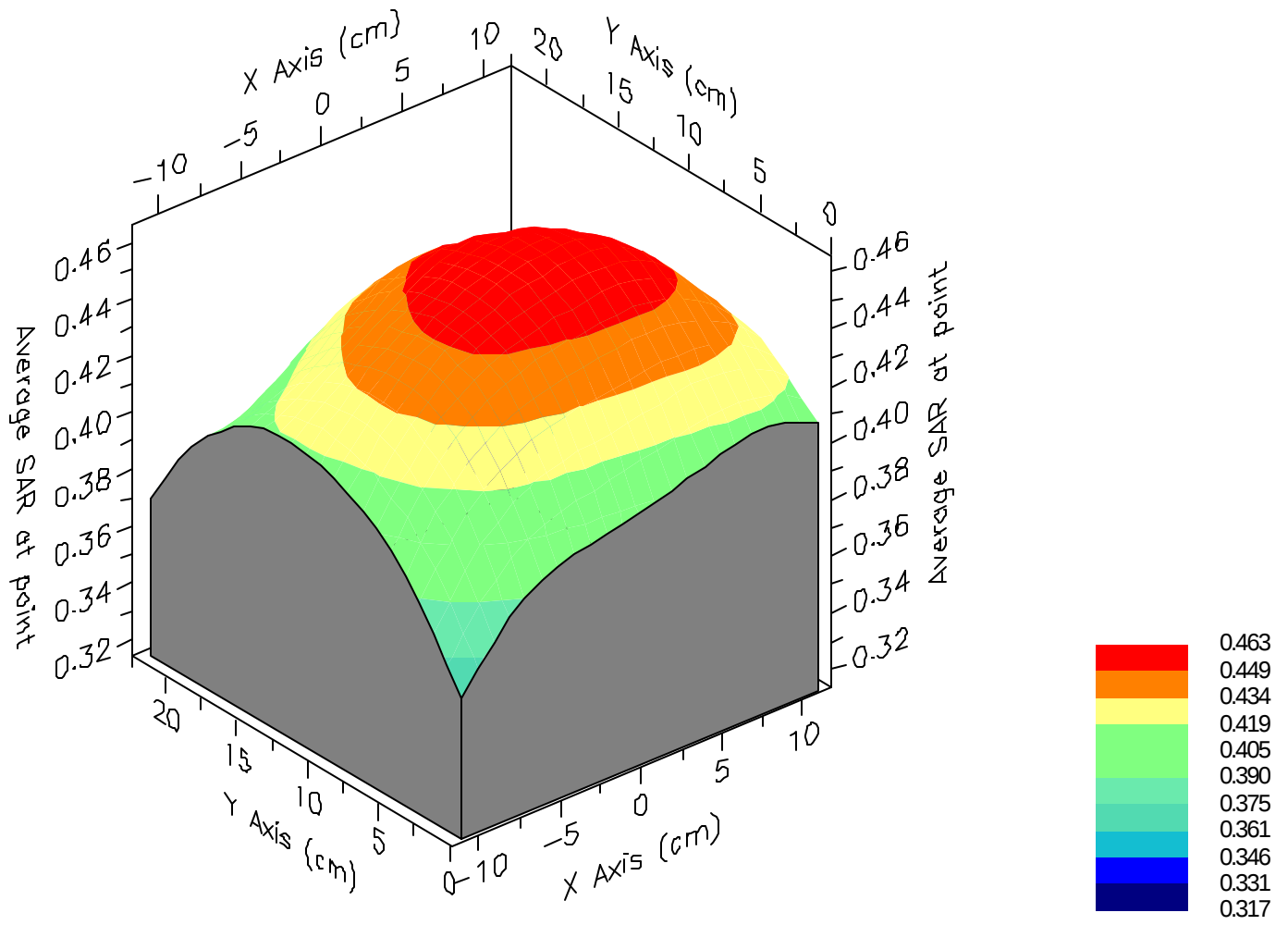
Max 1g SAR at x=3.0 y=10.0 z=0.0 = 0.46 W/kg

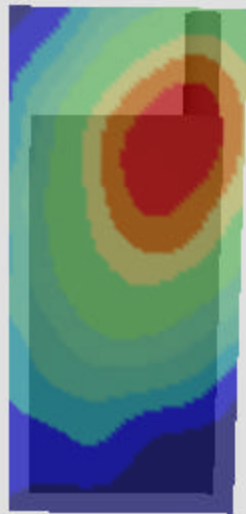
Max 10g SAR at x=1.0 y=9.0 z=0.0 = 0.32 W/kg

SAR - Z Axis
at Hotspot x:0.0 y:17.0



1g SAR Values





SAR Data Report 04090121

Start : 1-Sep-04 05:23:20 pm
End : 1-Sep-04 05:29:27 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SGH-E715
Serial Number : 1
Frequency : 1850.20 MHz
Transmit Pwr : 1.00 W
Antenna Type : Helical
Antenna Posn. : Internal

Measurement Data:

Phantom Name : SAM-RIGHT
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 39.340
Tissue Conductivity : 1.410
Tissue Density : 1.000
Robot Name : CRS

Probe Data:

Probe Name : PCT003
Probe Type : E Fld Triangle
Frequency : 1900 MHz
Tissue Type : Brain
Calibrated Dielectric : 41.890
Calibrated Conductivity : 1.390
Calibrated Density : 1.000
Probe Offset : 2.400 mm
Conversion Factor : 5.770
Probe Sensitivity : 3.331 3.804 3.975 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-512
Cheek
CF=8; Amb. Temp= 22.1 'C; Liq. Temp=20.1 'C

Power Drop Test:

Reading @ start = 0.108
Reading @ End = 0.107
Power at End = 99.0%

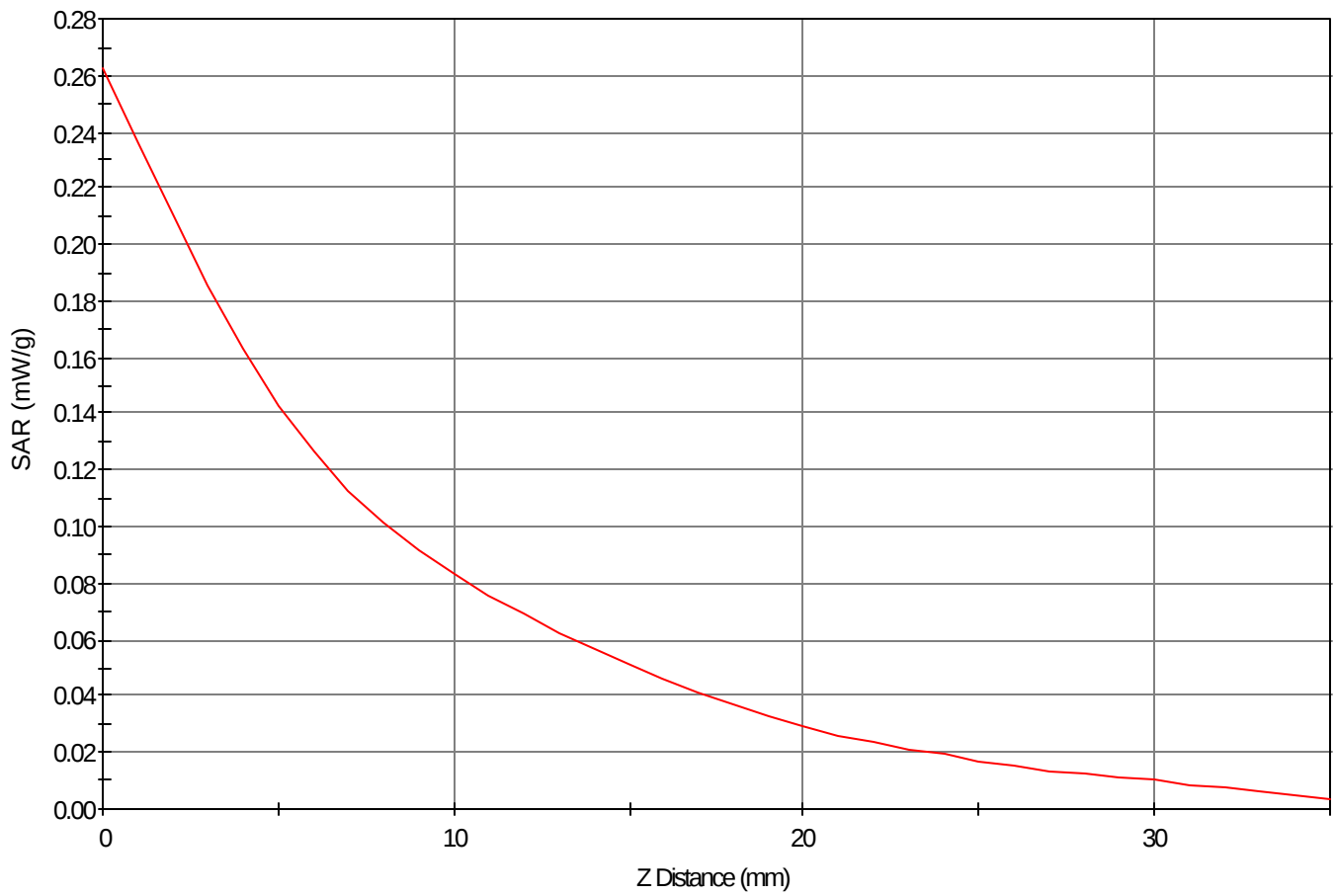
Area Scan - Max Peak SAR Value at x=36.0 y=-5.0 = 0.15 W/kg

Zoom Scan - Max Peak SAR Value at x=39.0 y=1.0 z=0.0 = 0.26 W/kg

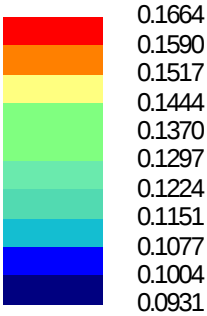
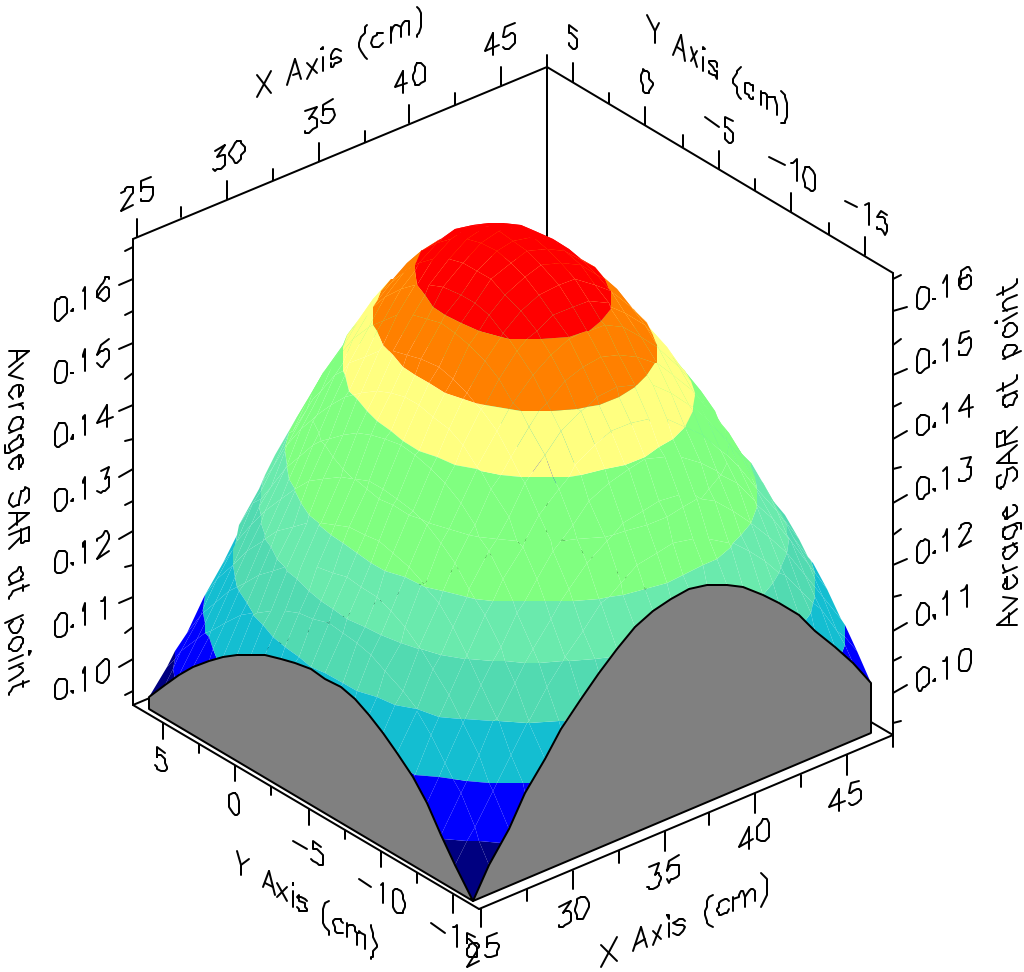
Max 1g SAR at x=37.0 y=-4.0 z=0.0 = 0.17 W/kg

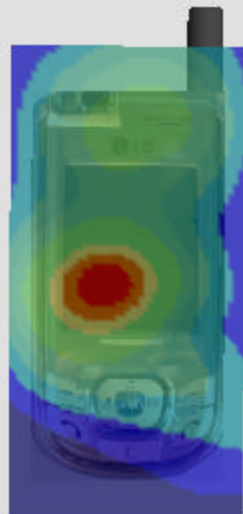
Max 10g SAR at x=37.0 y=-5.0 z=0.0 = 0.09 W/kg

SAR - Z Axis
at Hotspot x:39.0 y:1.0



1g SAR Values





SAR Data Report 04090122

Start : 1-Sep-04 05:33:32 pm
End : 1-Sep-04 05:39:28 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : LGE
Model Number : A7110
Serial Number : 1
Frequency : 1880.00 MHz
Transmit Pwr : 1.00 W
Antenna Type : Helical
Antenna Posn. : Internal

Measurement Data:

Phantom Name : SAM-RIGHT
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 39.340
Tissue Conductivity : 1.410
Tissue Density : 1.000
Robot Name : CRS

Probe Data:

Probe Name : PCT003
Probe Type : E Fld Triangle
Frequency : 1900 MHz
Tissue Type : Brain
Calibrated Dielectric : 41.890
Calibrated Conductivity : 1.390
Calibrated Density : 1.000
Probe Offset : 2.400 mm
Conversion Factor : 5.770
Probe Sensitivity : 3.331 3.804 3.975 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= 22.1 'C; Liq. Temp=20.1 'C

Power Drop Test:

Reading @ start = 0.150
Reading @ End = 0.149
Power at End = 98.9%

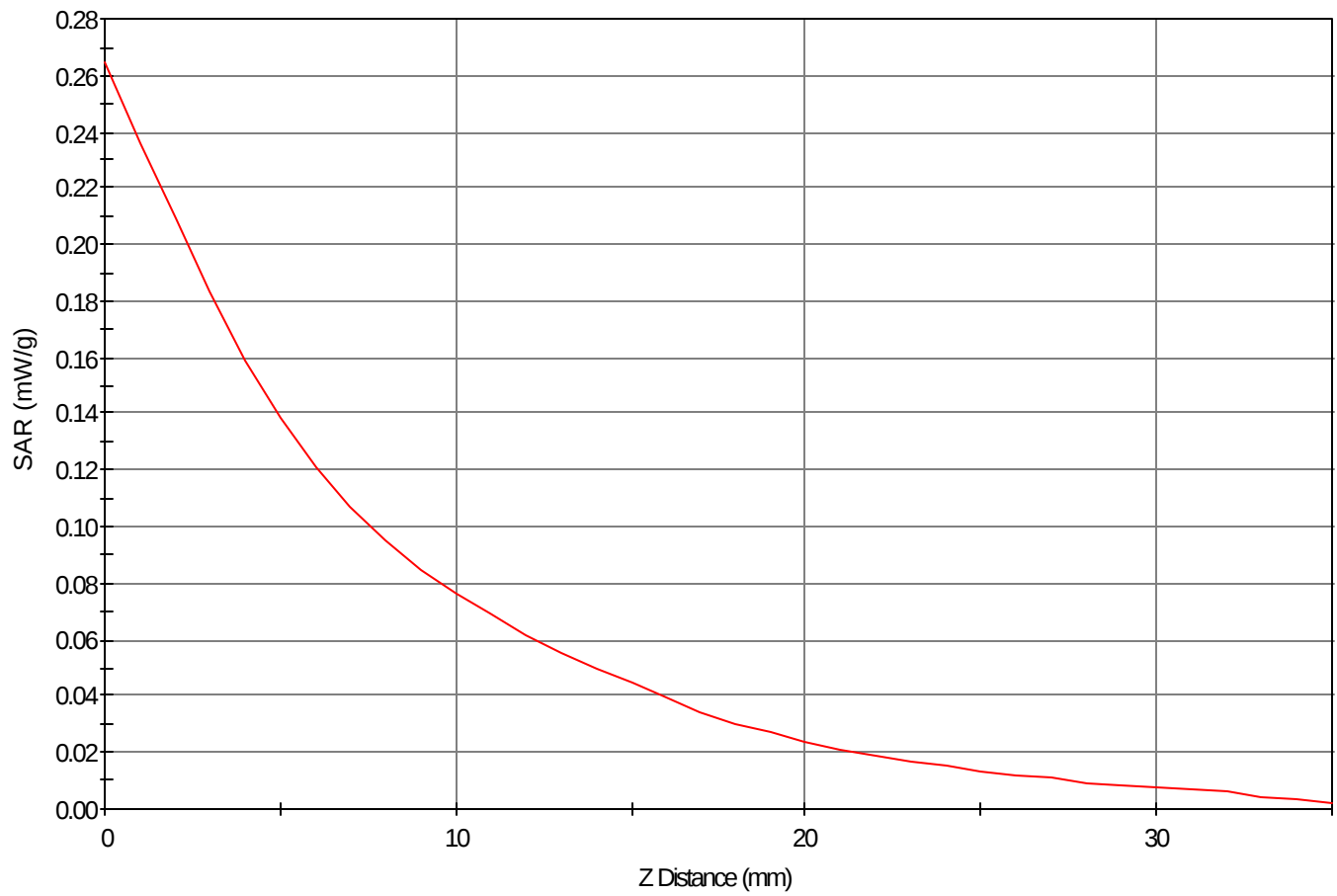
Area Scan - Max Peak SAR Value at x=-1.0 y=1.0 = 0.12 W/kg

Zoom Scan - Max Peak SAR Value at x=-1.0 y=2.0 z=0.0 = 0.26 W/kg

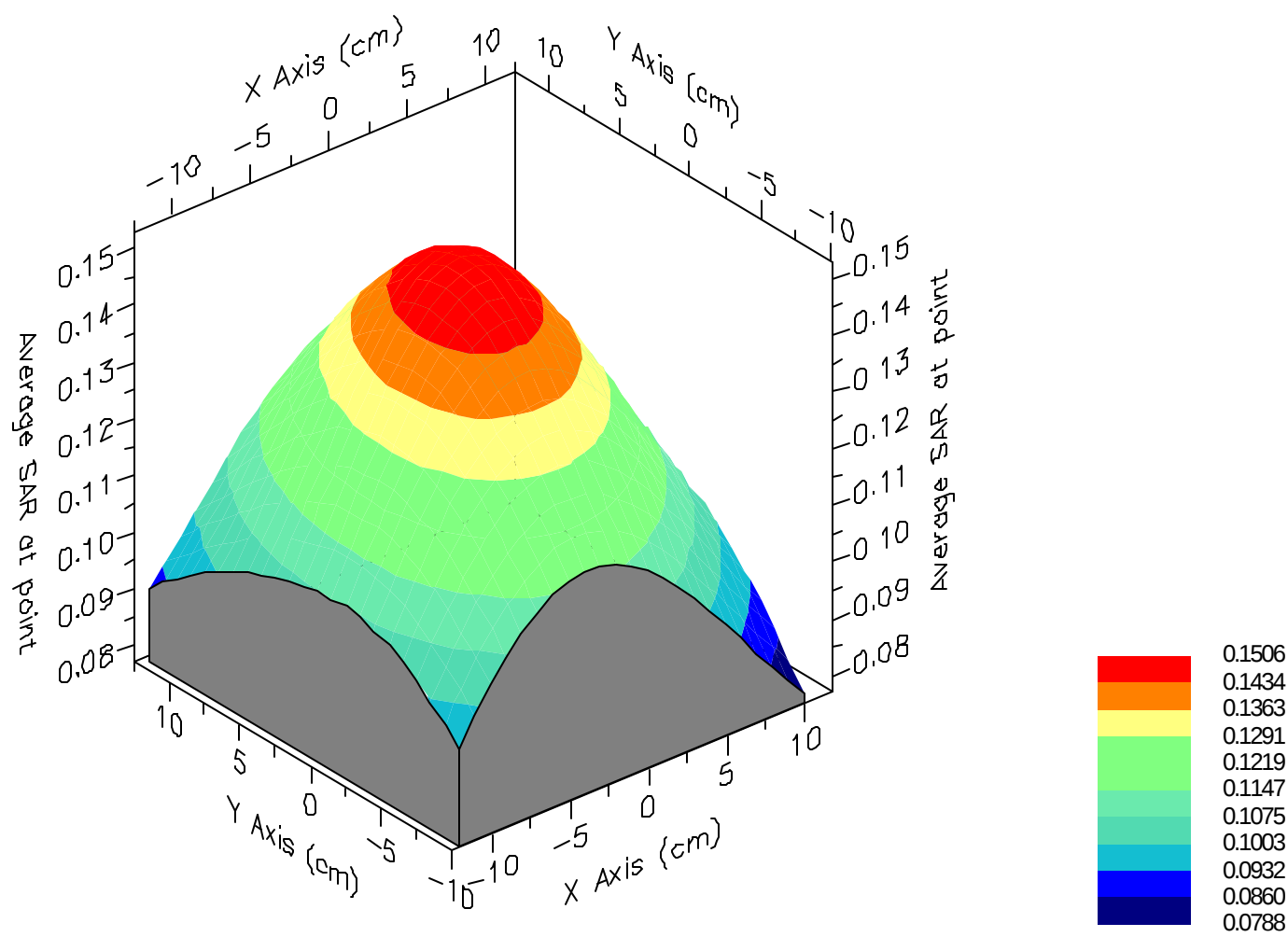
Max 1g SAR at x=-1.0 y=2.0 z=0.0 = 0.15 W/kg

Max 10g SAR at x=-1.0 y=1.0 z=0.0 = 0.08 W/kg

SAR - Z Axis
at Hotspot x:-1.0 y:2.0



1g SAR Values





SAR Data Report 04090115

Start : 1-Sep-04 02:32:16 pm
End : 1-Sep-04 02:38:11 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : LGE
Model Number : A7110
Serial Number : 1
Frequency : 1850.20 MHz
Transmit Pwr : 1.000 W
Antenna Type : Helical
Antenna Posn. : Fixed

Measurement Data:

Phantom Name : SAM-LEFT
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 39.340
Tissue Conductivity : 1.410
Tissue Density : 1.000
Robot Name : CRS

Probe Data:

Probe Name : PCT003
Probe Type : E Fld Triangle
Frequency : 1900 MHz
Tissue Type : Brain
Calibrated Dielectric : 41.890
Calibrated Conductivity : 1.390
Calibrated Density : 1.000
Probe Offset : 2.400 mm
Conversion Factor : 5.770
Probe Sensitivity : 3.331 3.804 3.975 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-512
Cheek
CF=8; Amb. Temp= 22.1 'C; Liq. Temp=20.1 'C

Power Drop Test:

Reading @ start = 0.164
Reading @ End = 0.163
Power at End = 99.0%

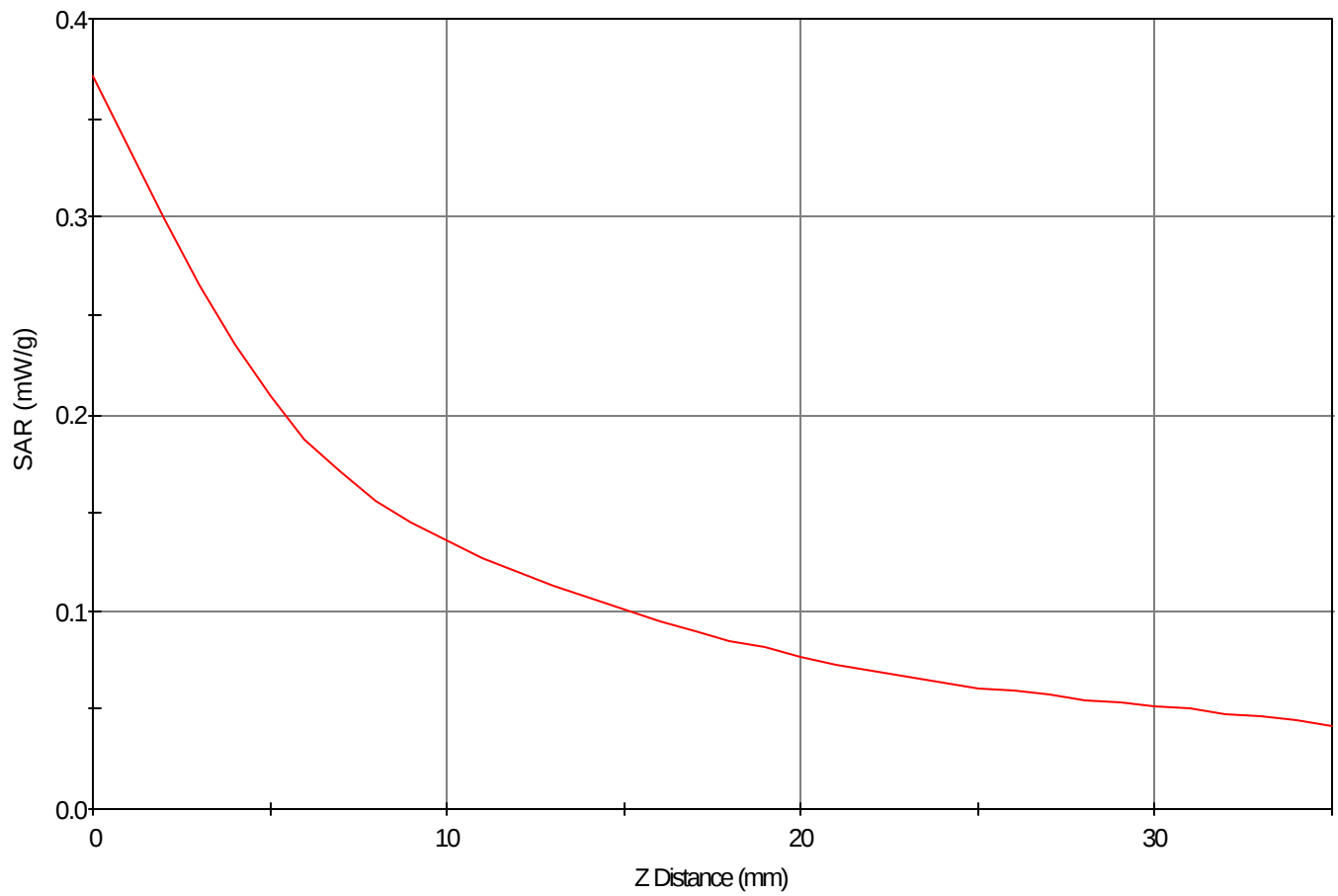
Area Scan - Max Peak SAR Value at x=36.0 y=-6.0 = 0.21 W/kg

Zoom Scan - Max Peak SAR Value at x=43.0 y=-5.0 z=0.0 = 0.37 W/kg

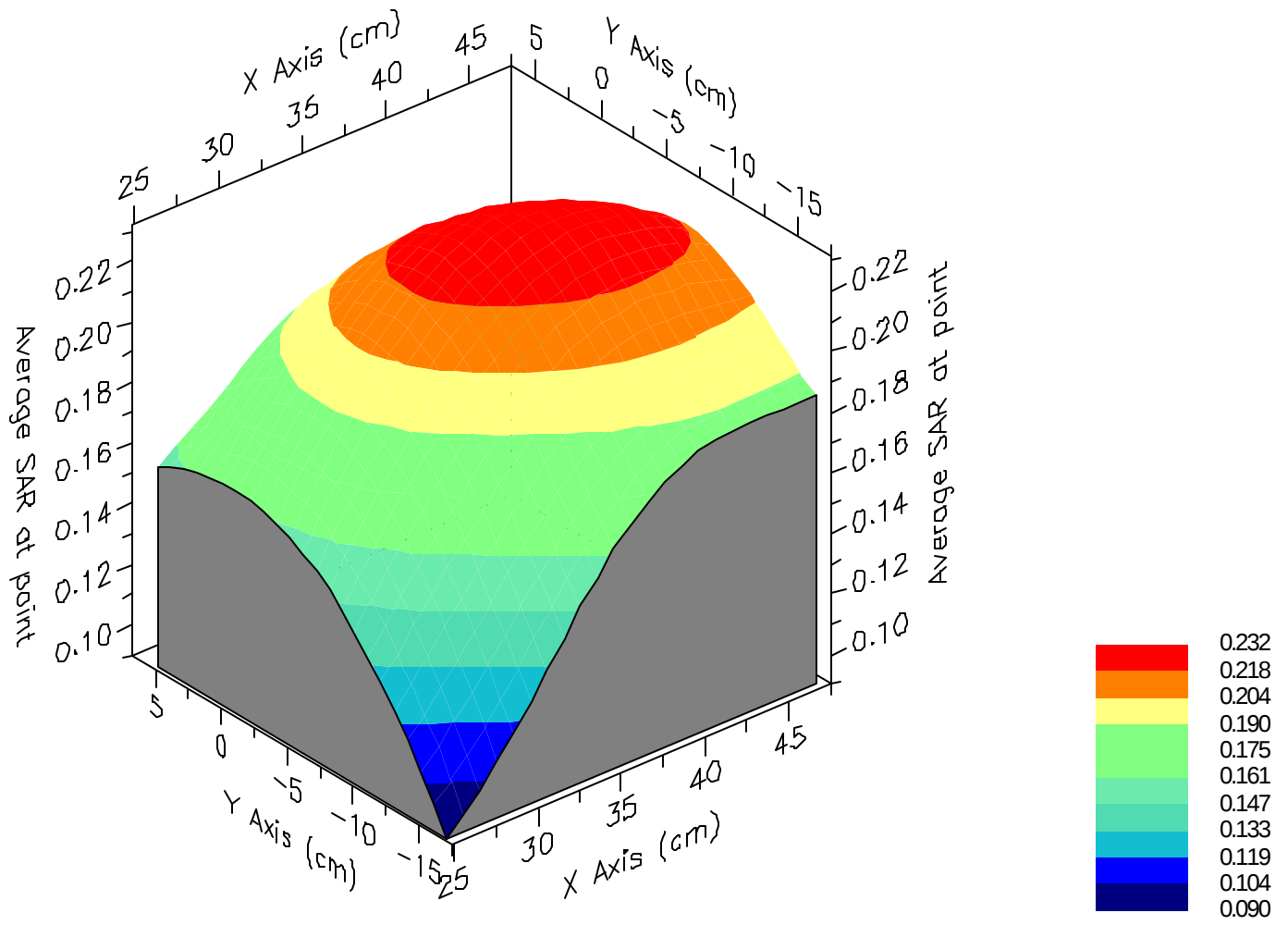
Max 1g SAR at x=40.0 y=-5.0 z=0.0 = 0.23 W/kg

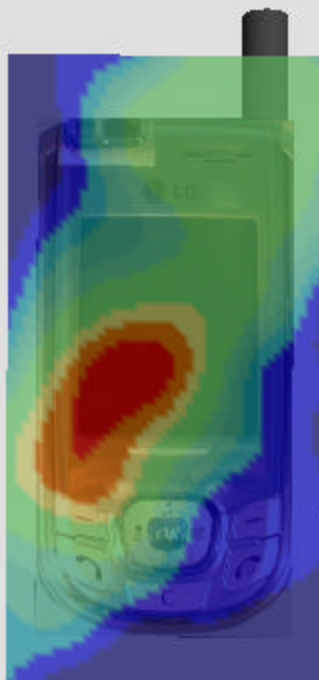
Max 10g SAR at x=41.0 y=-7.0 z=0.0 = 0.15 W/kg

SAR - Z Axis
at Hotspot x:43.0 y:-5.0



1g SAR Values





SAR Data Report 04090113

Start : 1-Sep-04 02:01:59 pm
End : 1-Sep-04 02:08:18 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : LGE
Model Number : A7110
Serial Number : 1
Frequency : 1880.00 MHz
Transmit Pwr : 1.000 W
Antenna Type : Helical
Antenna Posn. : Fixed

Measurement Data:

Phantom Name : SAM-LEFT
Phantom Type : Left Ear
Tissue Type : Brain
Tissue Dielectric : 39.340
Tissue Conductivity : 1.410
Tissue Density : 1.000
Robot Name : CRS

Probe Data:

Probe Name : PCT003
Probe Type : E Fld Triangle
Frequency : 1900 MHz
Tissue Type : Brain
Calibrated Dielectric : 41.890
Calibrated Conductivity : 1.390
Calibrated Density : 1.000
Probe Offset : 2.400 mm
Conversion Factor : 5.770
Probe Sensitivity : 3.331 3.804 3.975 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= 22.1 'C; Liq. Temp=20.1 'C

Power Drop Test:

Reading @ start = 0.179
Reading @ End = 0.230
Power at End = 128.6%

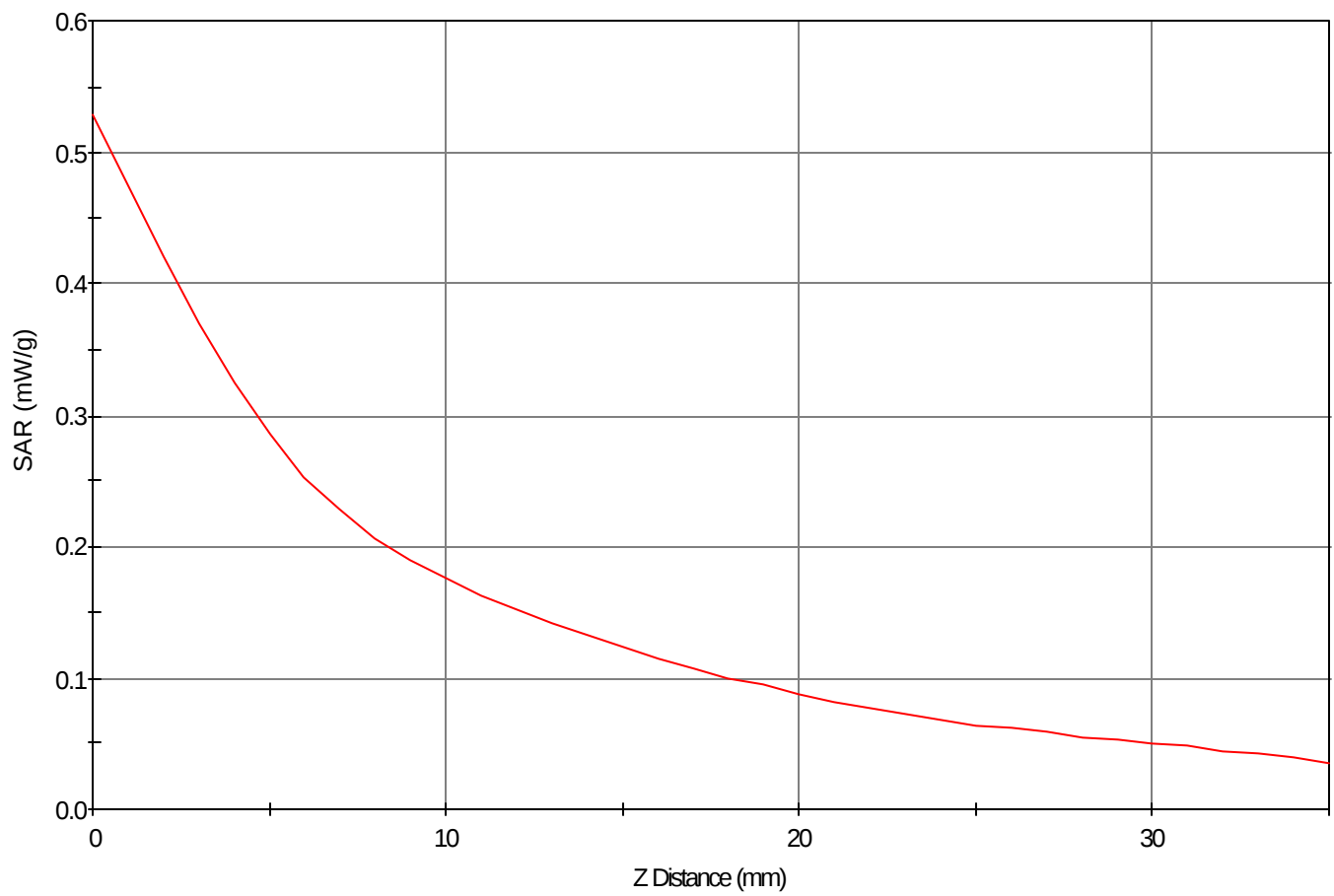
Area Scan - Max Peak SAR Value at x=-5.0 y=10.0 = 0.23 W/kg

Zoom Scan - Max Peak SAR Value at x=-14.0 y=18.0 z=0.0 = 0.53 W/kg

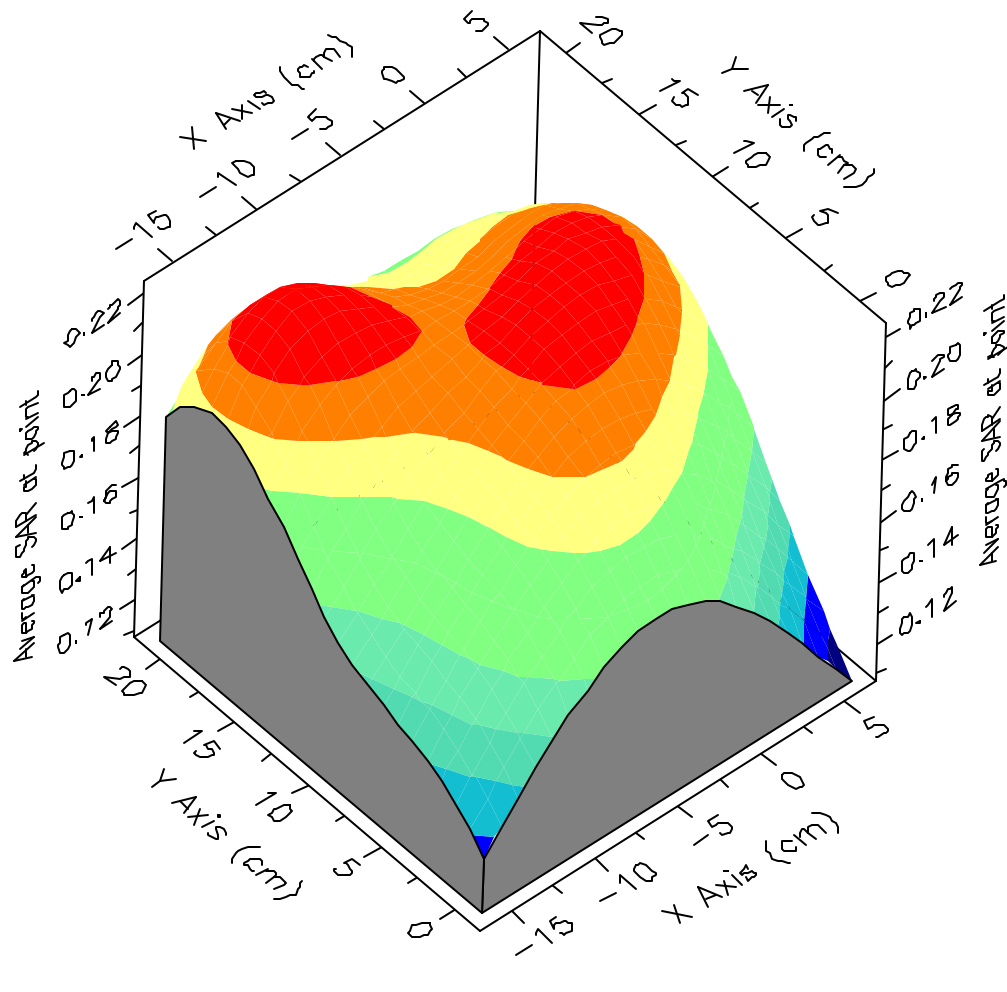
Max 1g SAR at x=-11.0 y=17.0 z=0.0 = 0.22 W/kg

Max 10g SAR at x=-2.0 y=15.0 z=0.0 = 0.13 W/kg

SAR - Z Axis
at Hotspot x:-14.0 y:18.0



1g SAR Values





SAR Data Report 04090127

Start : 1-Sep-04 06:29:54 pm
End : 1-Sep-04 06:36:31 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : LGE
Model Number : A7110
Serial Number : 1
Frequency : 848.80 MHz
Transmit Pwr : 2.000 W
Antenna Type : Helical
Antenna Posn. : Fixed

Measurement Data:

Phantom Name : SAM FLAT
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 54.170
Tissue Conductivity : 0.980
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 : 54.030
Calibrated Conductivity : 0.980
Calibrated Density : 1.000
Probe Offset : 2.400 mm
Conversion Factor : 6.000
Probe Sensitivity : 2.809 3.327 3.274 mV/(mW/cm²)
Amplifier Gains : 20.00 20.00 20.00

Sample:

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

Comments:

GSM Mode CH-251
Body
CF=4; Amb. Temp= 22.1 'C; Liq. Temp=20.1 'C

Power Drop Test:

Reading @ start = 1.888
Reading @ End = 1.880
Power at End = 99.6%

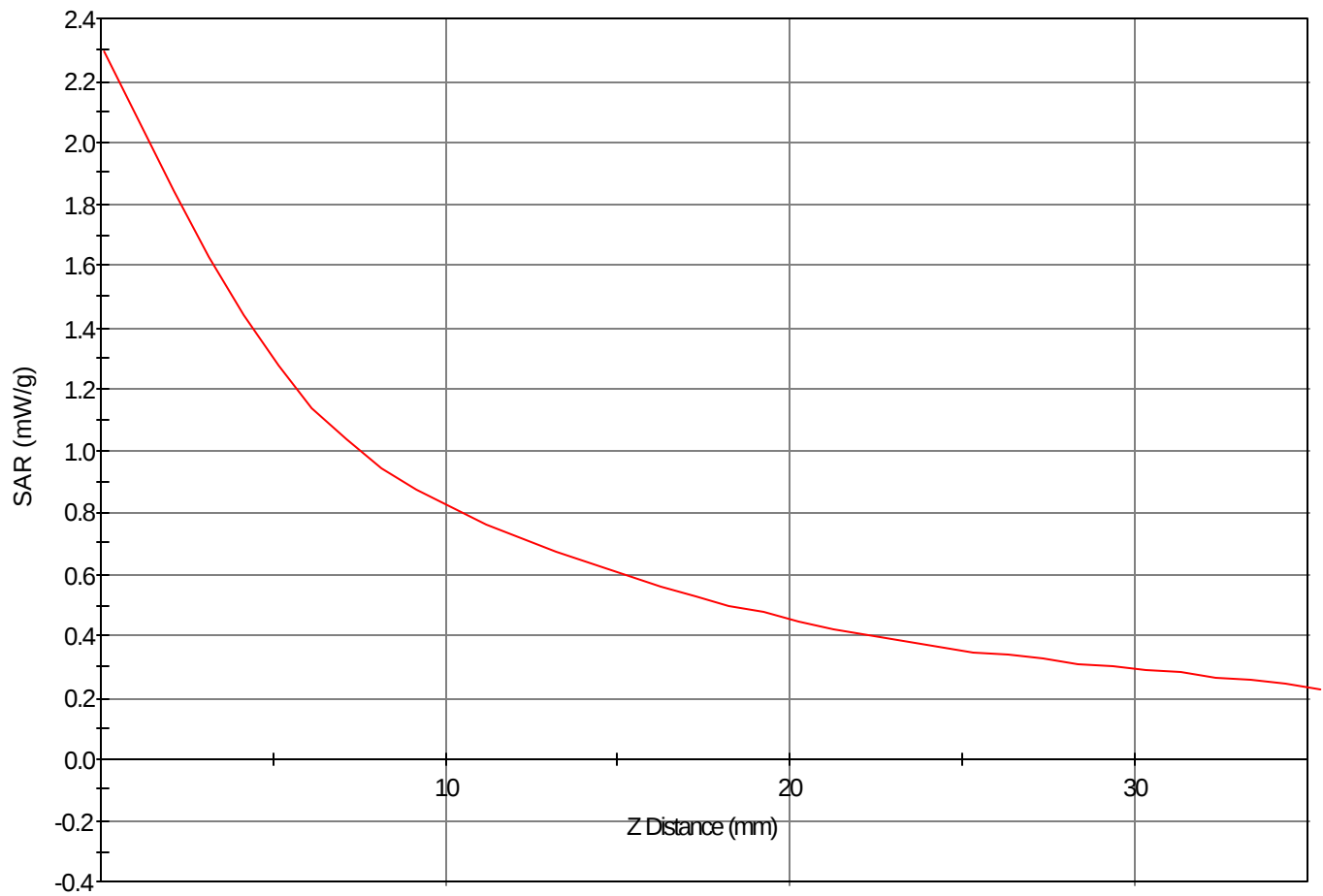
Area Scan - Max Peak SAR Value at x=-5.0 y=15.0 = 1.20 W/kg

Zoom Scan - Max Peak SAR Value at x=-10.0 y=21.0 z=0.0 = 2.32 W/kg

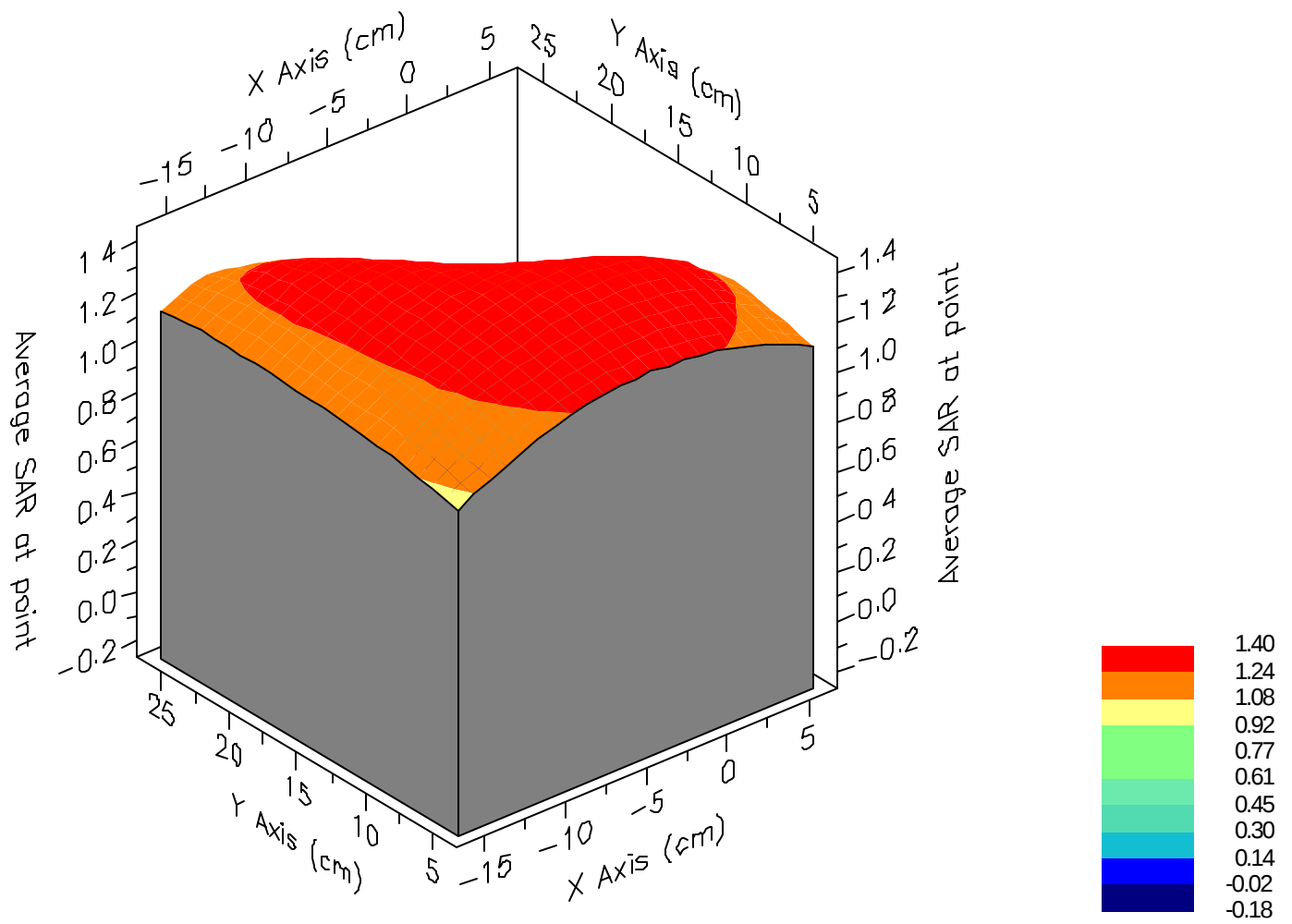
Max 1g SAR at x=-3.0 y=11.0 z=0.0 = 1.40 W/kg

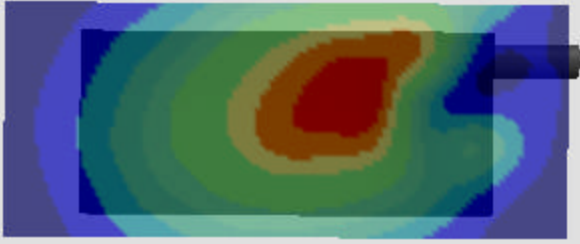
Max 10g SAR at x=-5.0 y=10.0 z=0.0 = 0.87 W/kg

SAR - Z Axis
at Hotspot x:-10.0 y:21.0



1g SAR Values





SAR Data Report 04090124

Start : 1-Sep-04 05:49:48 pm
End : 1-Sep-04 05:56:13 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SGH-E715
Serial Number : 1
Frequency : 1850.20 MHz
Transmit Pwr : 1.00 W
Antenna Type : Helical
Antenna Posn. : Internal

Measurement Data:

Phantom Name : SAM FLAT
Phantom Type : Uniphantom
Tissue Type : Muscle
Tissue Dielectric : 52.220
Tissue Conductivity : 1.500
Tissue Density : 1.000
Robot Name : CRS

Probe Data:

Probe Name : PCT003
Probe Type : E Fld Triangle
Frequency : 1900 MHz
Tissue Type : Muscle
Calibrated Dielectric : 51.770
Calibrated Conductivity : 1.580
Calibrated Density : 1.000
Probe Offset : 2.400 mm
Conversion Factor : 6.300
Probe Sensitivity : 3.331 3.804 3.975 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-512
Body
CF=4; Amb. Temp= 22.1 'C; Liq. Temp=20.1 'C

Power Drop Test:

Reading @ start = 0.311
Reading @ End = 0.309
Power at End = 99.4%

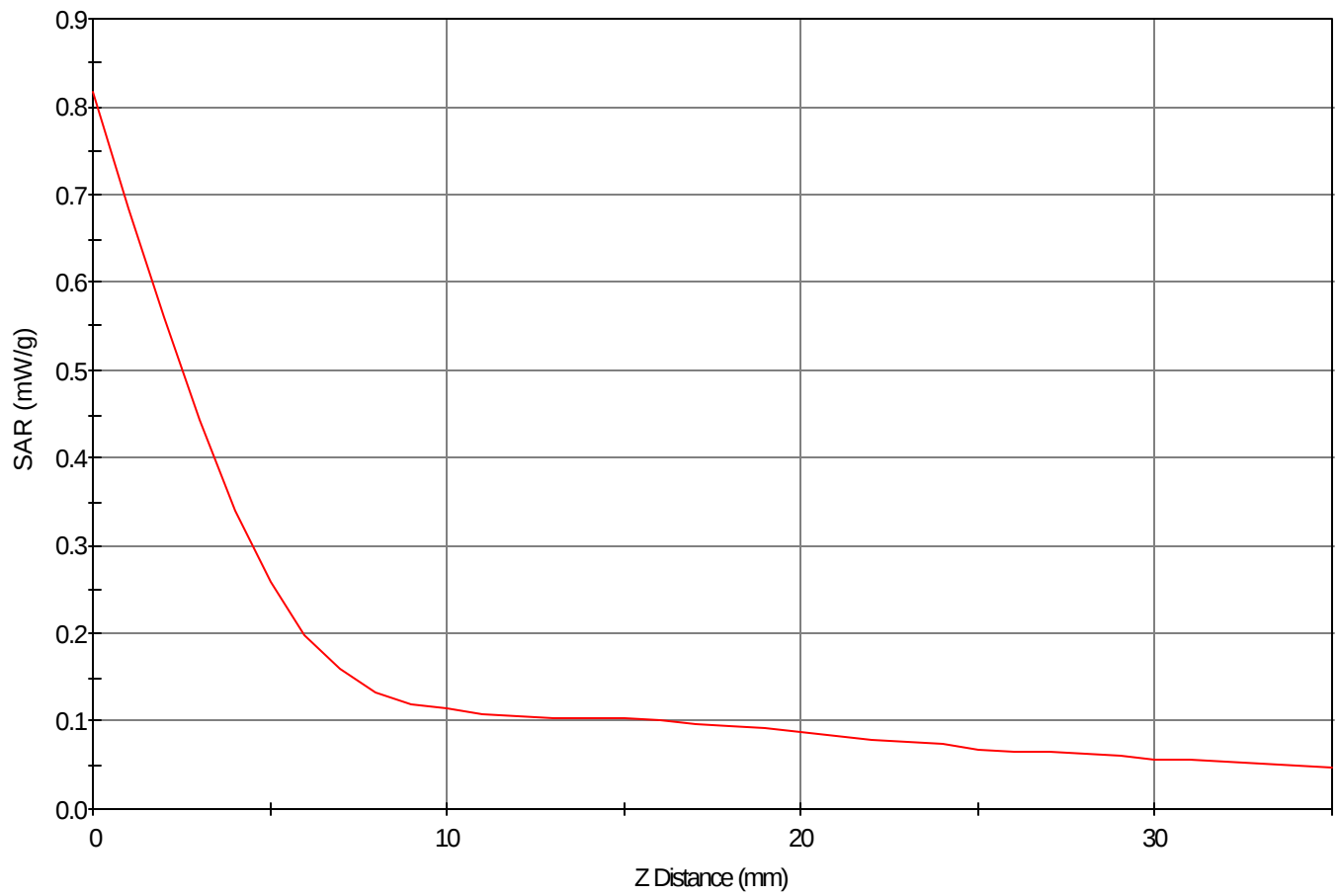
Area Scan - Max Peak SAR Value at x=-2.0 y=12.0 = 0.33 W/kg

Zoom Scan - Max Peak SAR Value at x=-9.0 y=28.0 z=0.0 = 0.82 W/kg

Max 1g SAR at x=-1.0 y=10.0 z=0.0 = 0.37 W/kg

Max 10g SAR at x=0.0 y=12.0 z=0.0 = 0.21 W/kg

SAR - Z Axis
at Hotspot x:-9.0 y:28.0



1g SAR Values

