

SAR DATA SUMMARY

MEASUREMENT RESULTS (CDMA Right Head SAR - CHEEK)								
FREQUENCY		Modulation	Begin / End POWER [‡]			Device Test Position	Antenna Position	SAR (W/kg)
MHz	Ch.		(dBm)	Battery				
824.70	1013	CDMA	25.0	25.0	STANDARD	Cheek / Touch	In	1.29
824.70	1013	CDMA	25.0	25.0	STANDARD	Cheek / Touch	Out	1.17
824.70	1013	CDMA	25.0	25.0	SLIM	Cheek / Touch	In	1.23
824.70	1013	CDMA	25.0	25.0	SLIM	Cheek / Touch	Out	1.16
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population						Brain 1.6 W/kg (mW/g) averaged over 1 gram		

NOTES:

- The test data reported are the worst-case SAR value with the antenna-head position set in a typical configuration. Test procedures used are according to FCC/OET Bulletin 65, Supp.C [July 2001].
 - All modes of operation were investigated, and worst-case results are reported.
 - Battery is fully charged for all readings. *Standard and Slim Batteries are options.*
- [‡]Power Measured ☒ Conducted ☐ ERP ☐ EIRP
 4. SAR Measurement System ☐ DASY3 ☒ IDX
 Phantom Configuration ☒ Right Head ☐ Flat Phantom ☐ Left Head
 5. SAR Configuration ☒ Head ☐ Body ☐ Hand
 6. Test Signal Call Mode ☒ Manu. Test Codes ☐ Base Station Simulator

PCTEST [®] SAR SUPPLEMENT		SAR EVALUATION REPORT DATA			TC853134 CRN 4336
Company Name:	FCC ID:	Model:	SAR Test Dates:		
SAMSUNG	A3LSCHA512	SCH-A512	06/14/2002		

SAR Data Report 02061436

Start : 14-Jun-02 01:28:33 pm
End : 14-Jun-02 01:35:00 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A512
Serial Number : F1BE7CB2
Frequency : 824.70 MHz
Transmit Pwr : 0.320 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-R
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 43.400
Tissue Conductivity : 0.870
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 - STD BATT
CF=1; Amb. Temp= 22.7 'C; Liq. Temp=22.0 'C

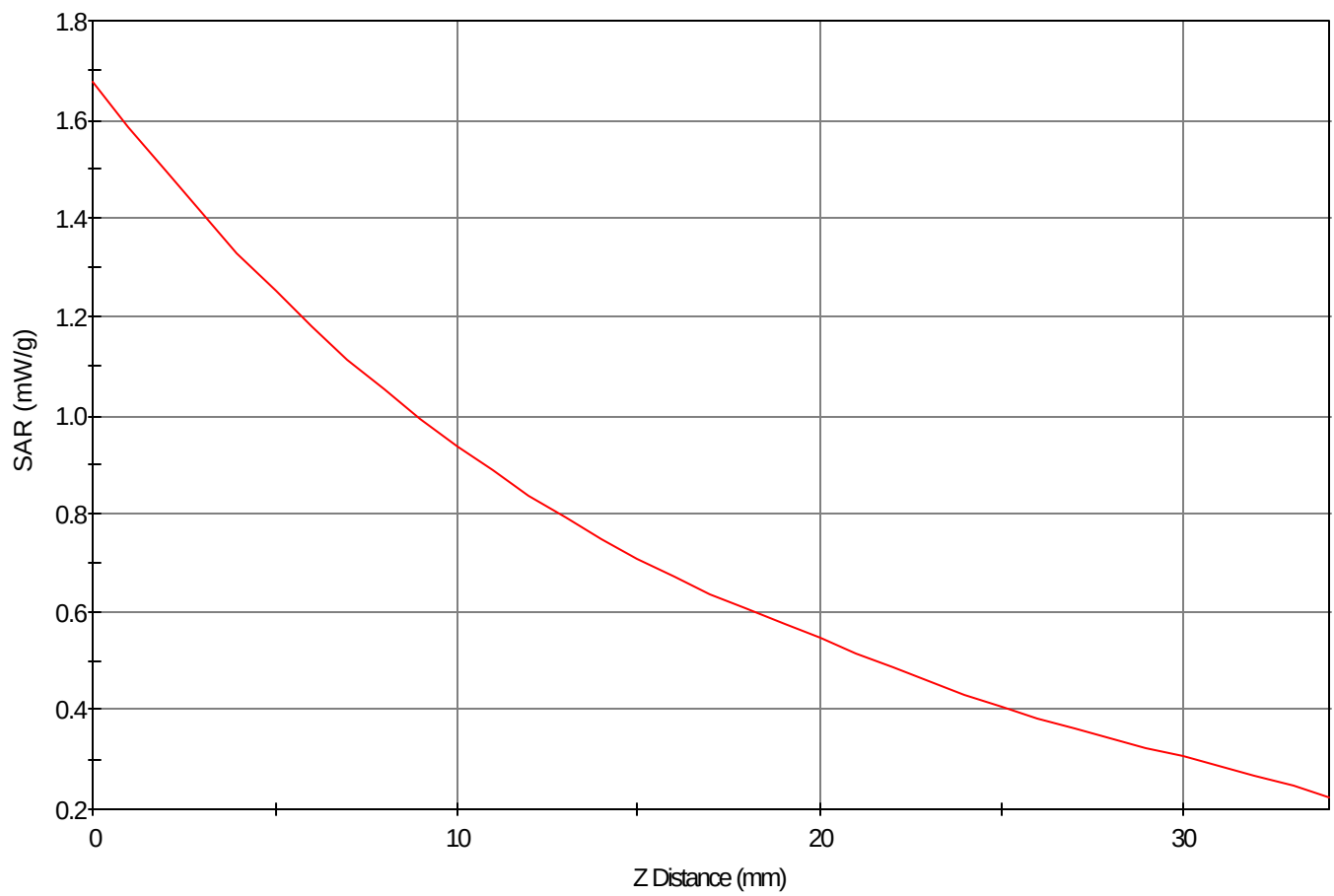
Area Scan - Max Peak SAR Value at x=66.0 y=12.0 = 1.27 W/kg

Zoom Scan - Max Peak SAR Value at x=69.0 y=11.0 z=0.0 = 1.67 W/kg

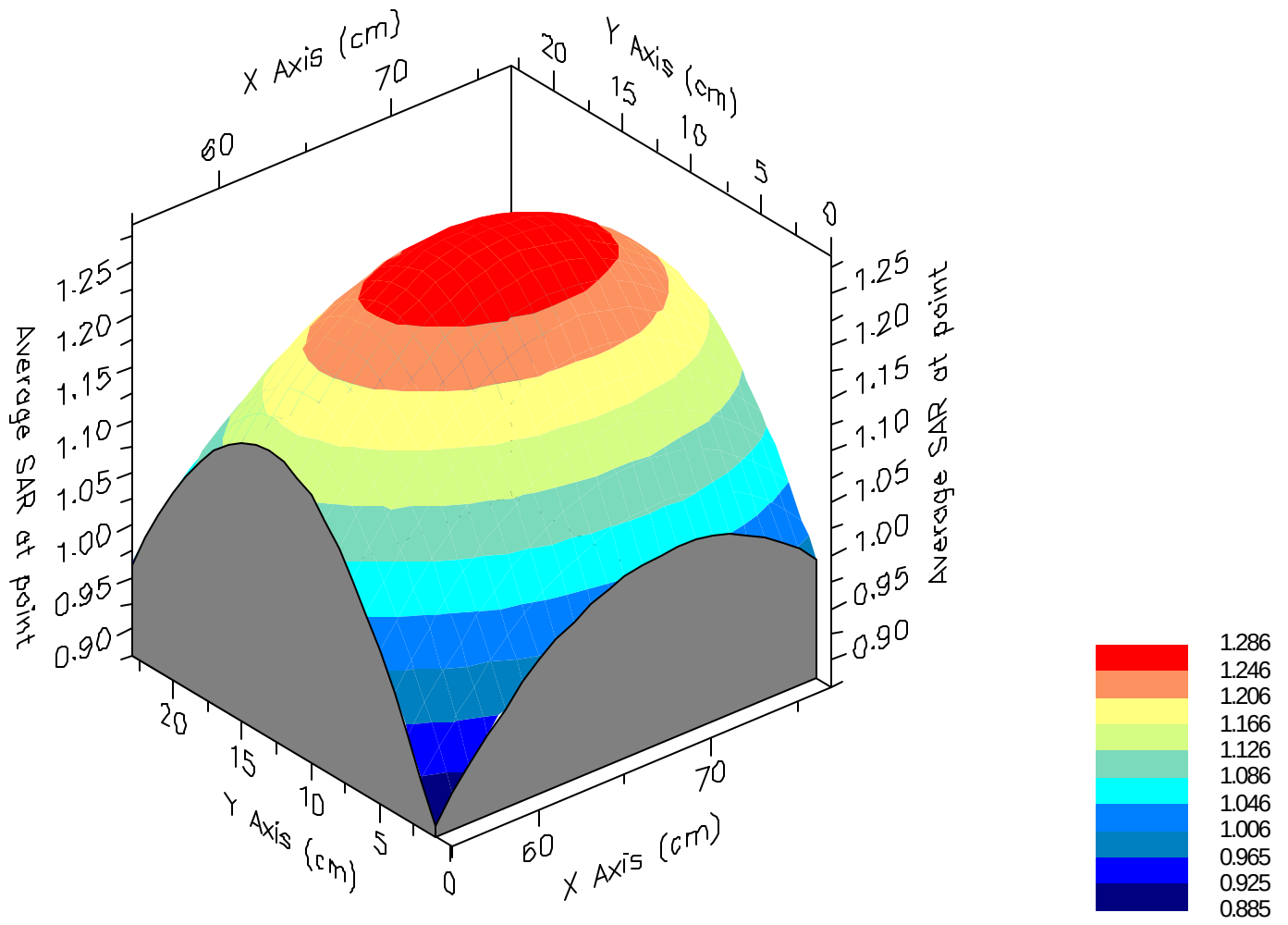
Max 1g SAR at x=67.0 y=12.0 z=0.0 = 1.29 W/kg

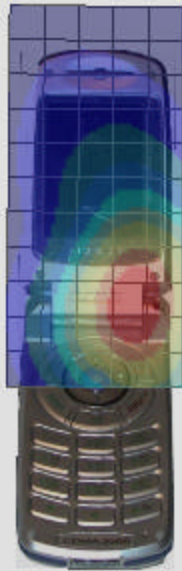
Max 10g SAR at x=67.0 y=12.0 z=0.0 = 0.89 W/kg

SAR - Z Axis
at Hotspot x:69.0 y:11.0



1g SAR Values





SAR Data Report 02061437

Start : 14-Jun-02 01:38:55 pm
End : 14-Jun-02 01:45:22 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A512
Serial Number : F1BE7CB2
Frequency : 824.70 MHz
Transmit Pwr : 0.320 W
Antenna Type : Helical
Antenna Posn. : Out

Measurement Data:

Phantom Name : SAM-R
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 43.400
Tissue Conductivity : 0.870
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 - STD BATT
CF=1; Amb. Temp= 22.7 'C; Liq. Temp=22.0 'C

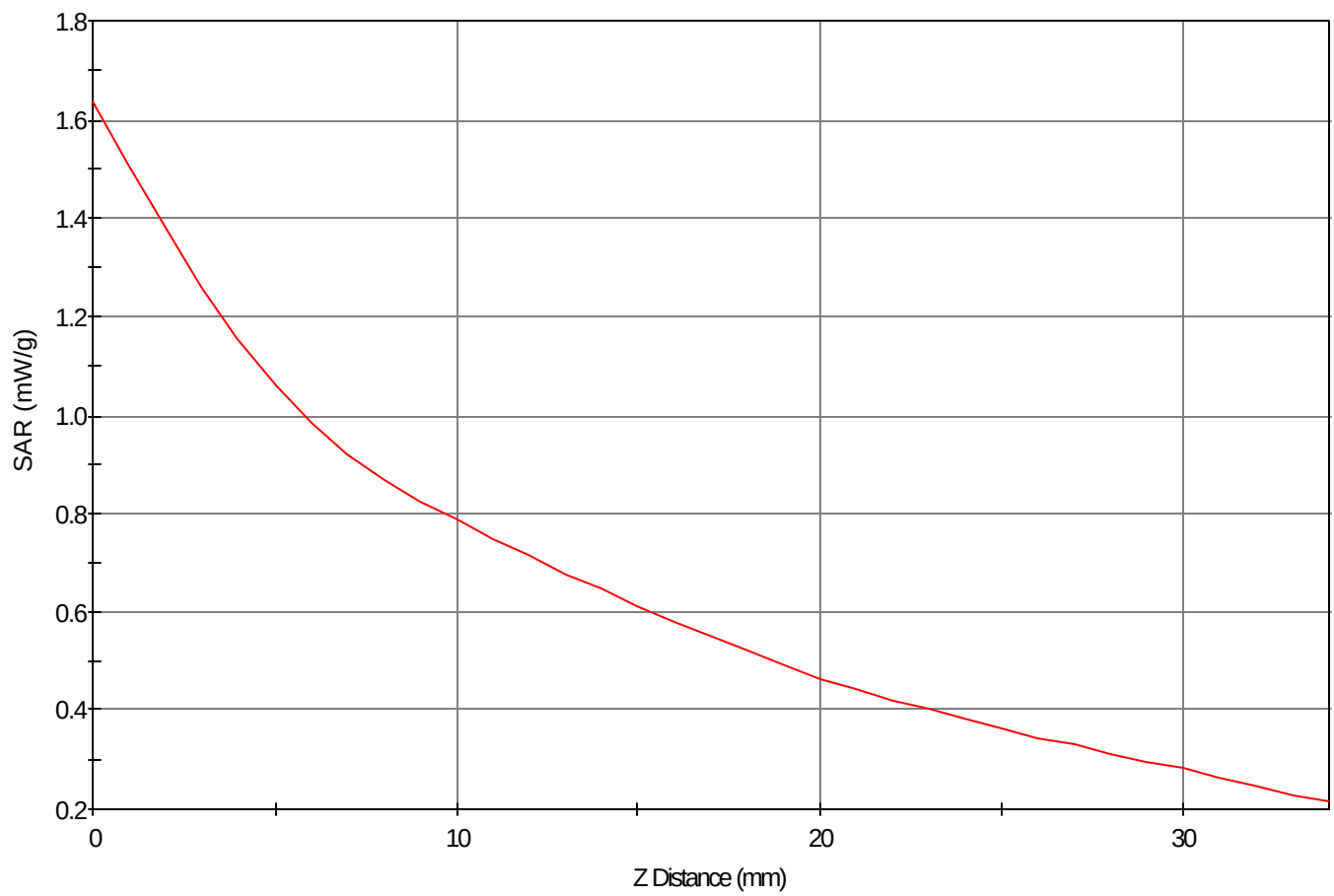
Area Scan - Max Peak SAR Value at x=67.0 y=12.0 = 1.15 W/kg

Zoom Scan - Max Peak SAR Value at x=66.0 y=18.0 z=0.0 = 1.64 W/kg

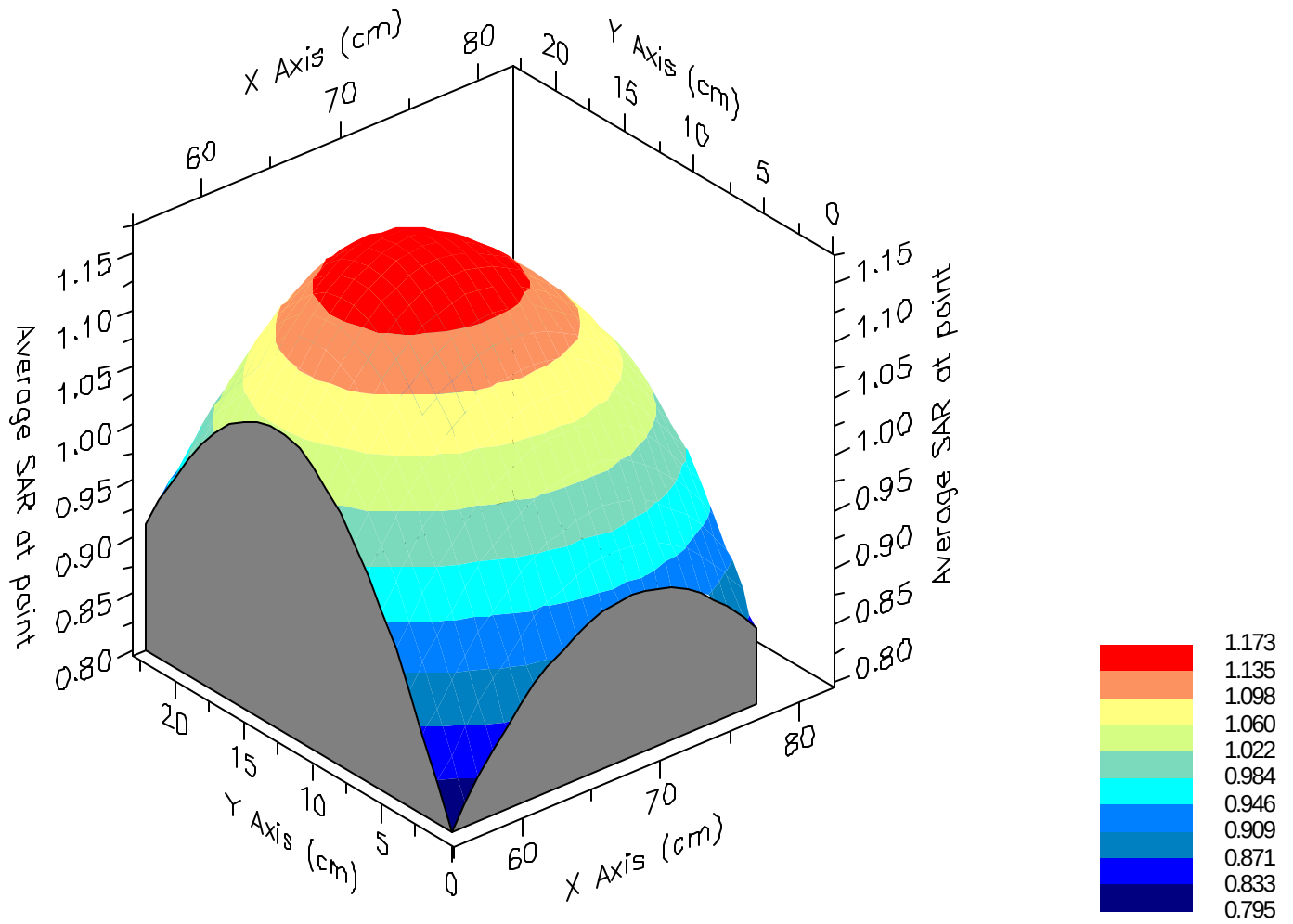
Max 1g SAR at x=66.0 y=14.0 z=0.0 = 1.17 W/kg

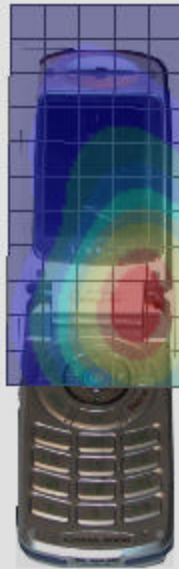
Max 10g SAR at x=67.0 y=13.0 z=0.0 = 0.81 W/kg

SAR - Z Axis
at Hotspot x:66.0 y:18.0



1g SAR Values





SAR Data Report 02061425

Start : 14-Jun-02 11:38:37 am
End : 14-Jun-02 11:45:04 am
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A512
Serial Number : F1BE7CB2
Frequency : 824.70 MHz
Transmit Pwr : 0.320 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-R
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 43.400
Tissue Conductivity : 0.870
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 - SLIM BATT
CF=1; Amb. Temp= 22.7 'C; Liq. Temp=22.0 'C

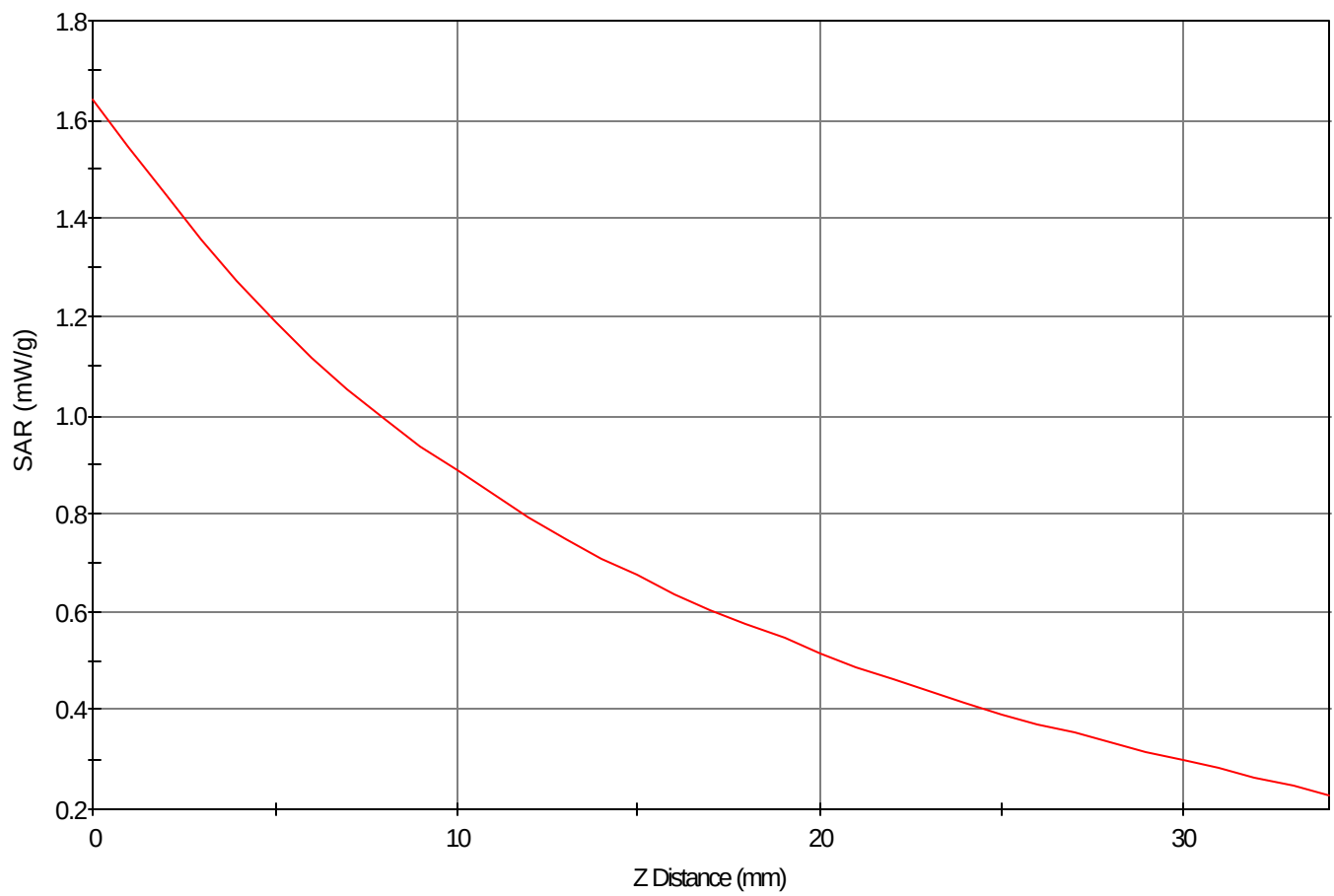
Area Scan - Max Peak SAR Value at x=65.0 y=10.0 = 1.21 W/kg

Zoom Scan - Max Peak SAR Value at x=66.0 y=11.0 z=0.0 = 1.64 W/kg

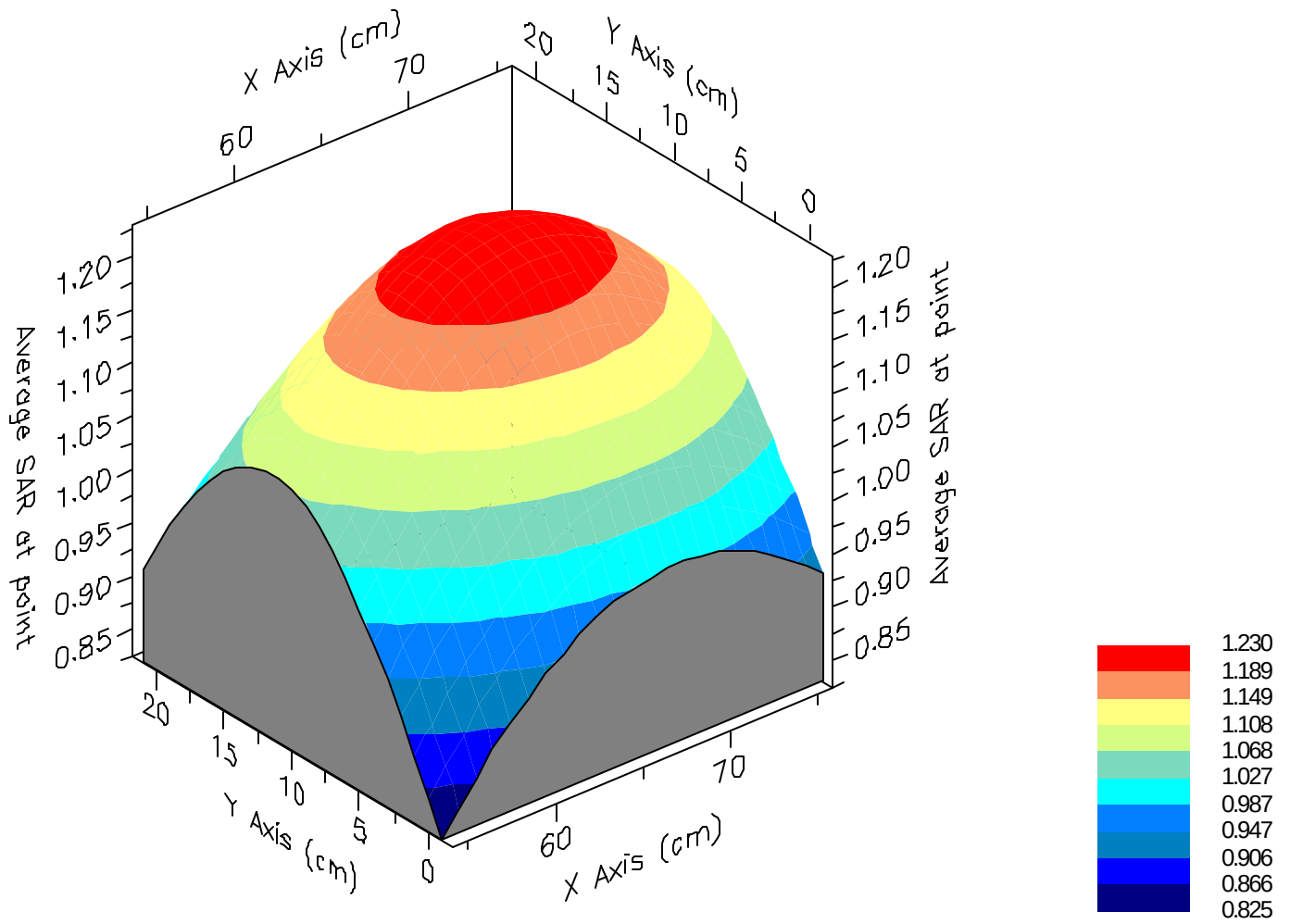
Max 1g SAR at x=66.0 y=11.0 z=0.0 = 1.23 W/kg

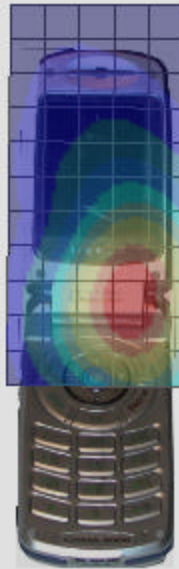
Max 10g SAR at x=66.0 y=10.0 z=0.0 = 0.85 W/kg

SAR - Z Axis
at Hotspot x:66.0 y:11.0



1g SAR Values





SAR Data Report 02061422

Start : 14-Jun-02 11:18:52 am
End : 14-Jun-02 11:25:19 am
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : SAMSUNG
Model Number : SCH-A512
Serial Number : F1BE7CB2
Frequency : 824.70 MHz
Transmit Pwr : 0.320 W
Antenna Type : Helical
Antenna Posn. : In

Measurement Data:

Phantom Name : SAM-R
Phantom Type : Right Ear
Tissue Type : Brain
Tissue Dielectric : 43.400
Tissue Conductivity : 0.870
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 - SLIM BATT
CF=1; Amb. Temp= 22.7 'C; Liq. Temp=22.0 'C

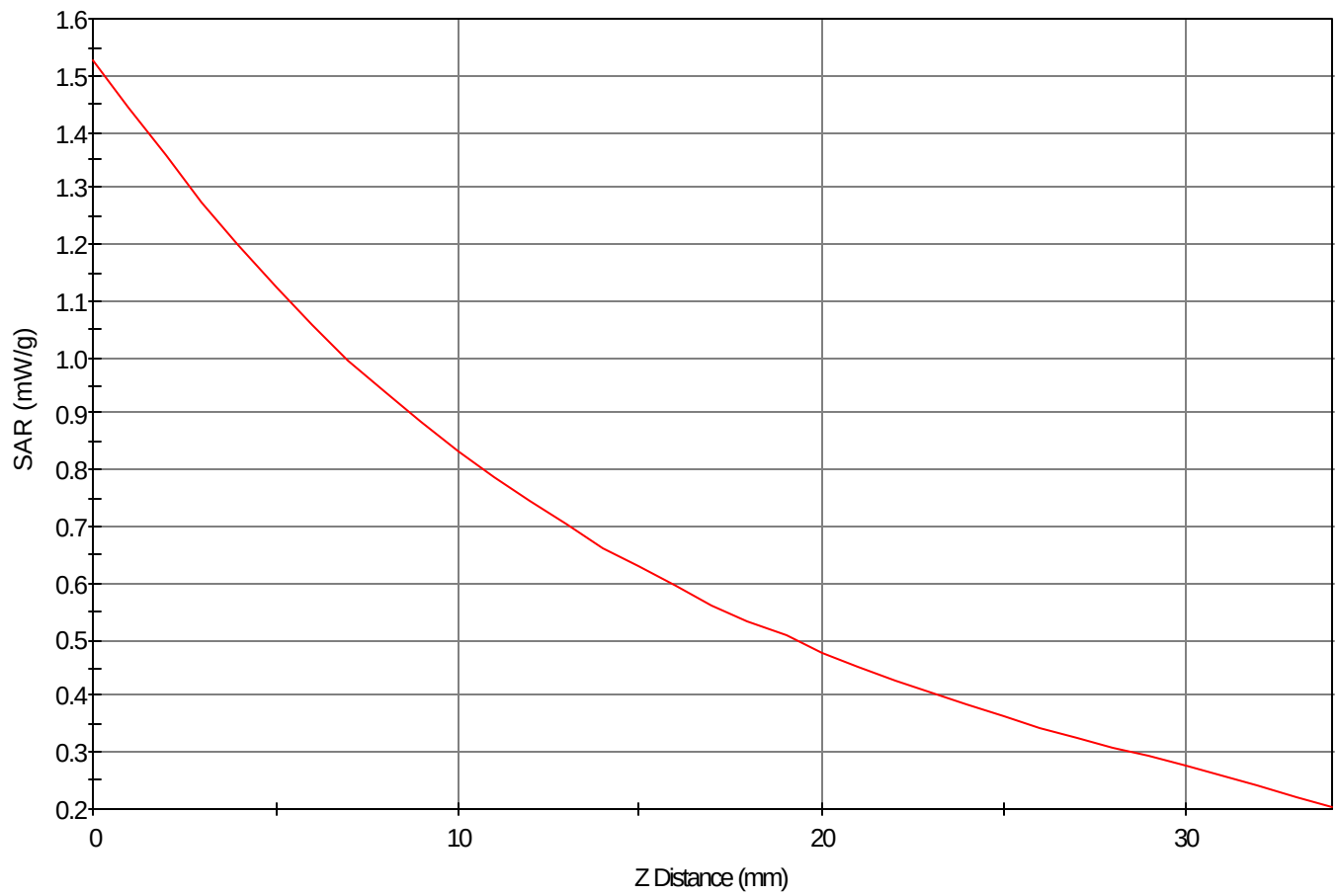
Area Scan - Max Peak SAR Value at x=65.0 y=10.0 = 1.15 W/kg

Zoom Scan - Max Peak SAR Value at x=68.0 y=11.0 z=0.0 = 1.53 W/kg

Max 1g SAR at x=66.0 y=11.0 z=0.0 = 1.16 W/kg

Max 10g SAR at x=66.0 y=11.0 z=0.0 = 0.80 W/kg

SAR - Z Axis
at Hotspot x:68.0 y:11.0



1g SAR Values

