

SAR Data Report 02082901

Start : 29-Aug-02 9:02:19 am
End : 29-Aug-02 9:07:41 am
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : Validation
Frequency : 836.49 MHz
Transmit Pwr : 0.250 W
Antenna Type : Dipole
Antenna Posn. : Validation

Measurement Data:

Phantom Name : SAM FLAT2
Phantom Type : Uniphantom
Tissue Type : Brain
Tissue Dielectric : 40.560
Tissue Conductivity : 0.910
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:

835 MHz Validation

CF=1; Amb. Temp= 22.5 'C; Liq. Temp=22.1 'C

Area Scan - Max Peak SAR Value at x=3.0 y=-3.0 = 2.11 W/kg

Zoom Scan - Max Peak SAR Value at x=3.0 y=-4.0 z=0.0 = 3.58 W/kg

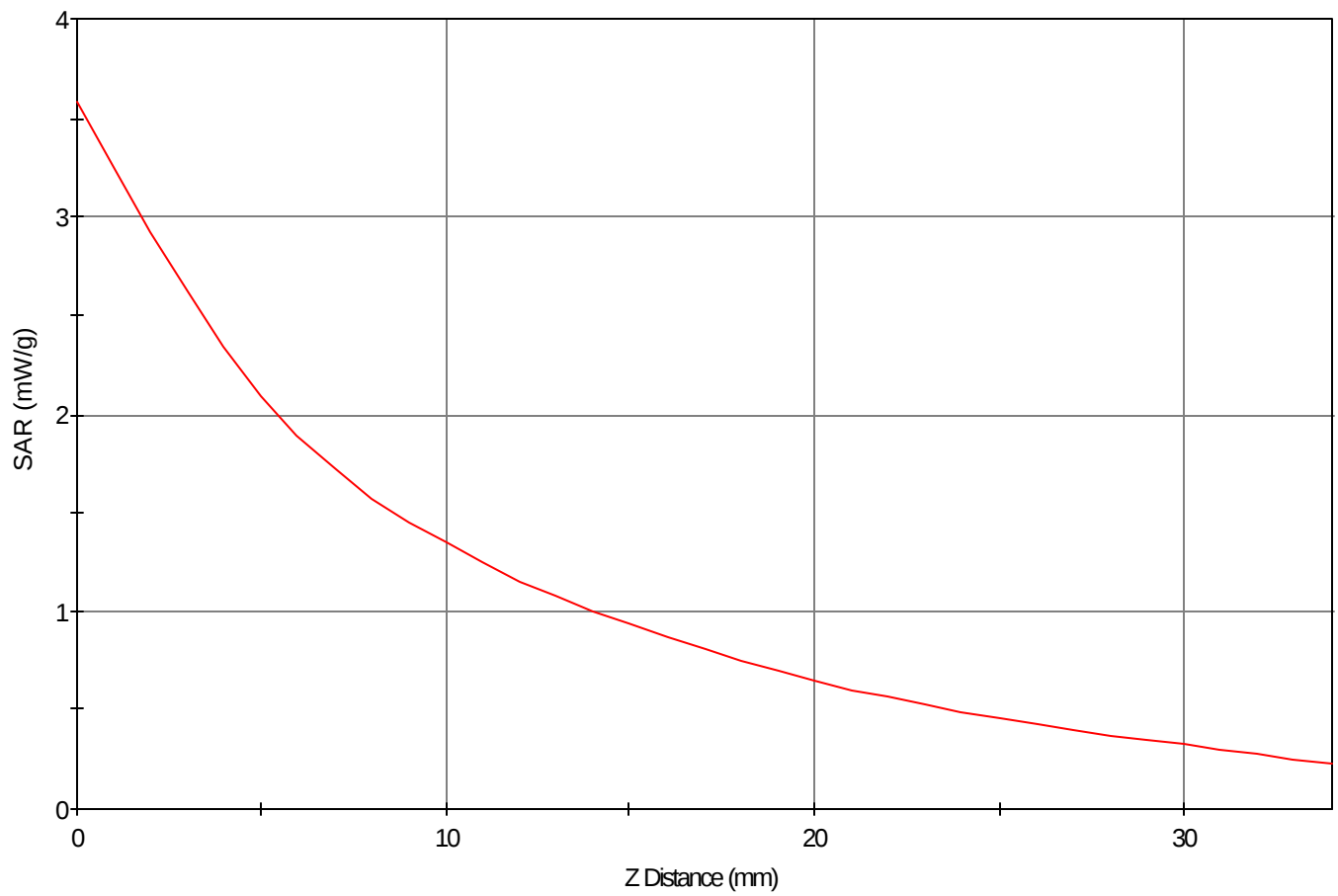
Max 1g SAR at x=3.0 y=-3.0 z=0.0 = 2.27 W/kg

Max 10g SAR at x=3.0 y=-2.0 z=0.0 = 1.41 W/kg

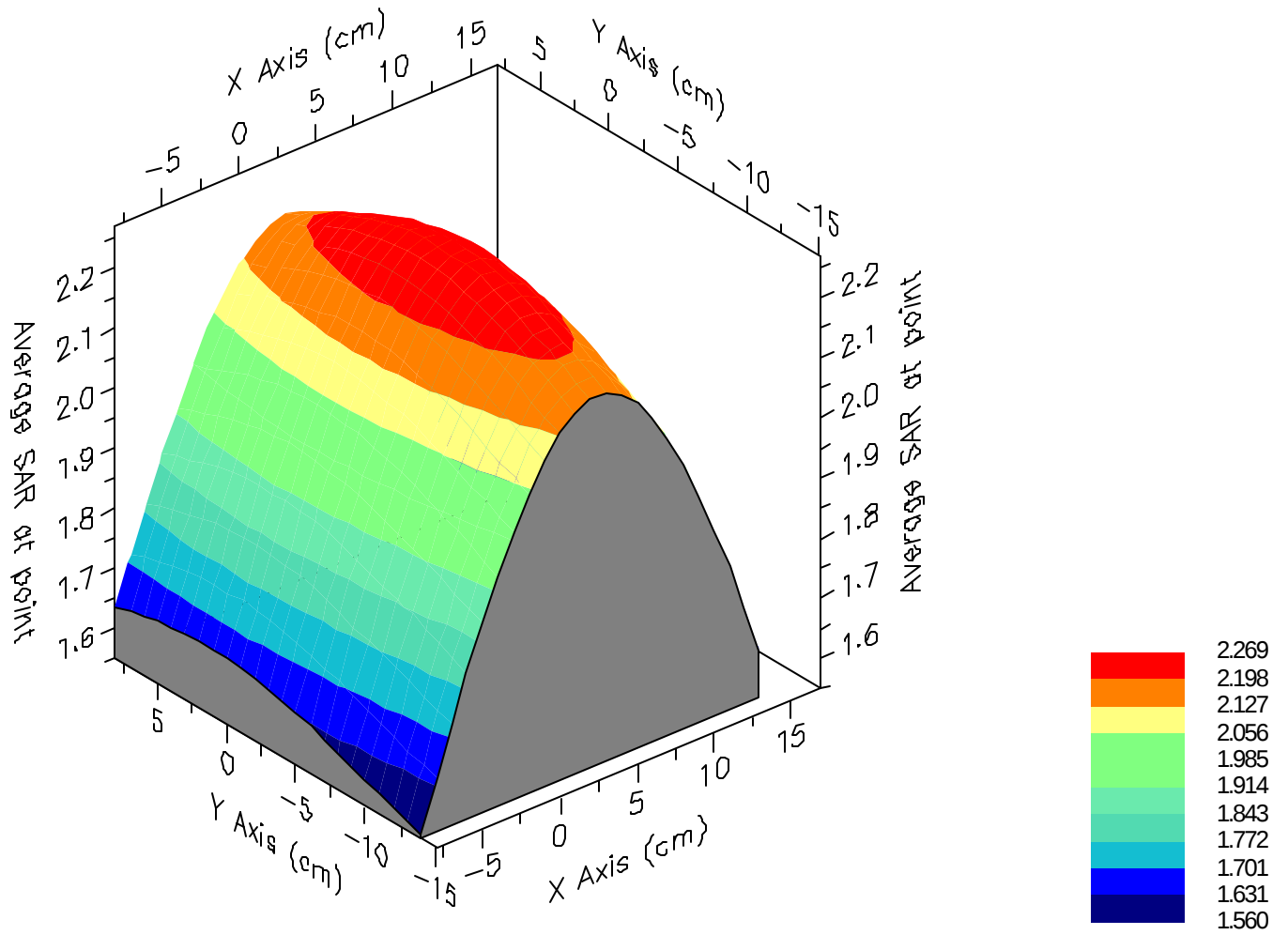
Validation Results at 0.25 W:

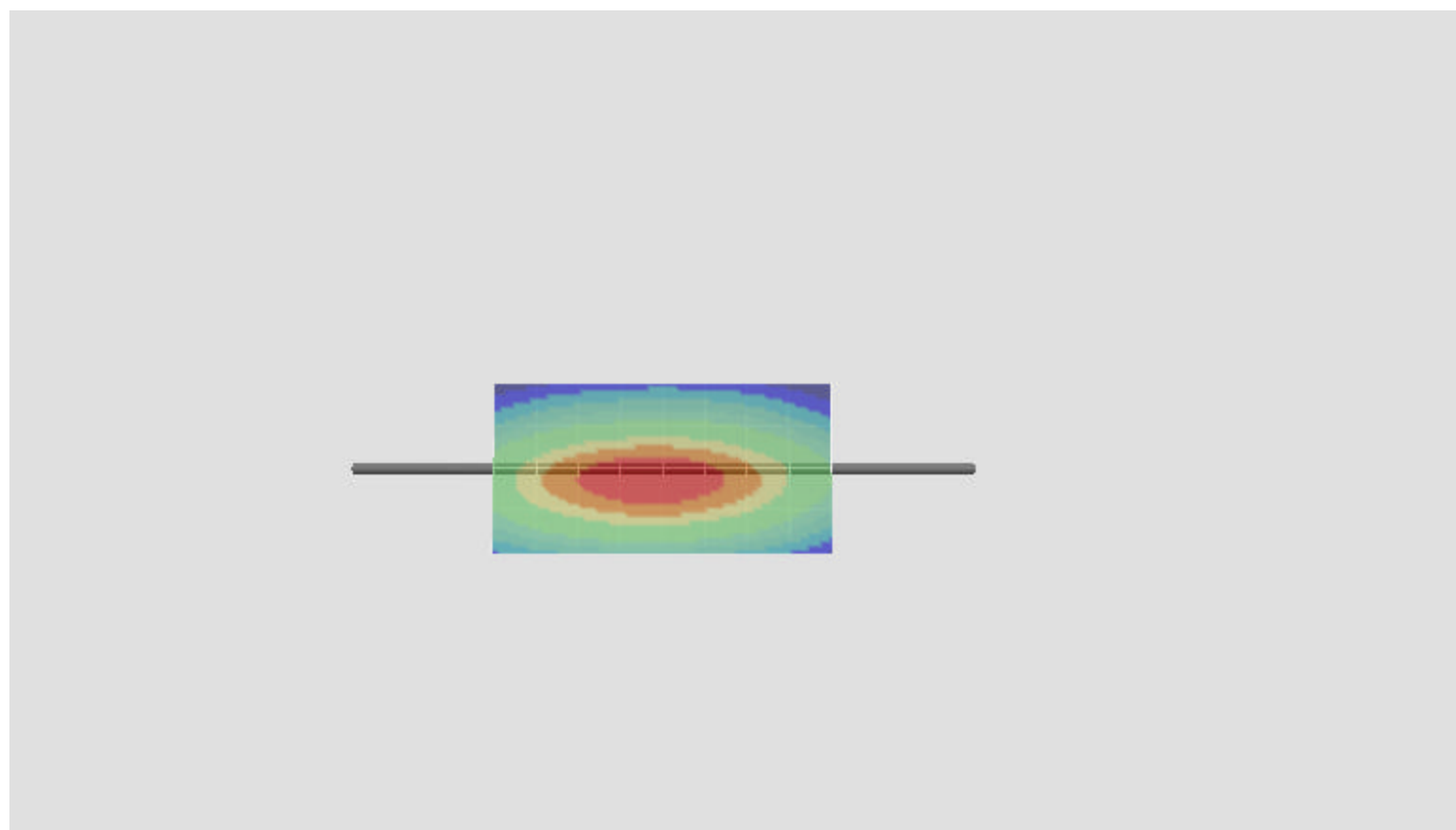
Peak Nominal = 3.5, Error: 1.48 %
1g Nominal = 2.4, Error: -4.45 %
10g Nominal = 1.6, Error: -9.21 %

SAR - Z Axis
at Hotspot x:3.0 y:-4.0



1g SAR Values





SAR Data Report 02082902

Start : 29-Aug-02 09:32:57 pm
End : 29-Aug-02 09:38:35 pm
Code Version : 4.08
Robot Version: 4.08

Product Data:

Type : Validation
Frequency : 1900 MHz
Transmit Pwr : 0.250 W
Antenna Type : Dipole
Antenna Posn. : Validation

Measurement Data:

Phantom Name : SAM FLAT2
Phantom Type : Uniphantom
Tissue Type : Brain
Tissue Dielectric : 41.110
Tissue Conductivity : 1.420
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:

1900 MHz Validation

CF=1; Amb. Temp= 22.5 'C; Liq. Temp=22.1 'C

Area Scan - Max Peak SAR Value at x=1.0 y=-1.0 = 8.63 W/kg

Zoom Scan - Max Peak SAR Value at x=2.0 y=-2.0 z=0.0 = 15.78 W/kg

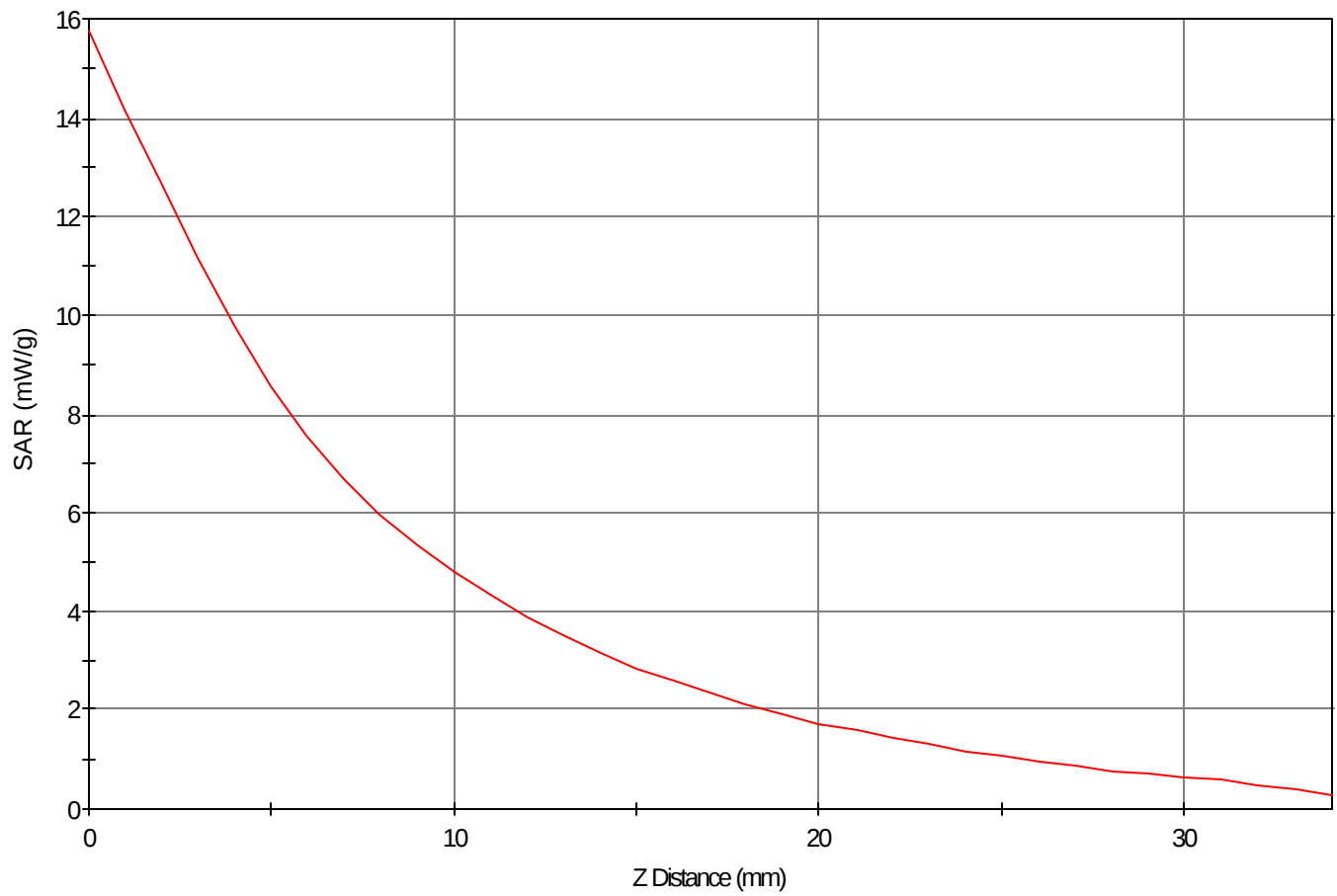
Max 1g SAR at x=2.0 y=-1.0 z=0.0 = 9.14 W/kg

Max 10g SAR at x=2.0 y=0.0 z=0.0 = 4.65 W/kg

Validation Results at 0.25 W:

Peak Nominal = 18.0, Error: -12.45 %
1g Nominal = 9.9, Error: -7.87 %
10g Nominal = 5.1, Error: -9.32 %

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



1g SAR Values

