

# SAR Data Report 05032201

Start : 22-Mar-05 09:07:04 am  
End : 22-Mar-05 09:16:08 am  
Code Version : 4.08  
Robot Version: 4.08

## Product Data:

Type : Verification  
Model Number : E-020  
Serial Number : PCT005  
Frequency : 1900 MHz  
Transmit Pwr : 0.040 W  
Antenna Type : Dipole  
Antenna Posn. : Verification

## Measurement Data:

Phantom Name : FLATPHANTOM  
Phantom Type : Uniphantom  
Tissue Type : Brain  
Tissue Dielectric : 41.05  
Tissue Conductivity : 1.41  
Tissue Density : 1.000  
Robot Name : CRS

## Probe Data:

Probe Name : PCT005  
Probe Type : E Fld Triangle  
Frequency : 1900 MHz  
Tissue Type : Brain  
Calibrated Dielectric : 39.020  
Calibrated Conductivity : 1.370  
Calibrated Density : 1.000  
Probe Offset : 1.600 mm  
Conversion Factor : 5.400  
Probe Sensitivity : 5.115 4.969 4.453 mV/(mW/cm^2)  
Amplifier Gains : 20.00 20.00 20.00

## Sample:

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

## Comments:

1900MHz Verification

CF=1; Amb. Temp= 23.2 'C; Liq. Temp=21.1 'C

## Power Drop Test:

Reading @ start = 1.823  
Reading @ End = 1.840  
Power at End = 101.0%

Area Scan - Max Peak SAR Value at x=-1.0 y=-1.0 = 1.77 W/kg

Zoom Scan - Max Peak SAR Value at x=-1.0 y=-1.0 z=0.0 = 3.20 W/kg

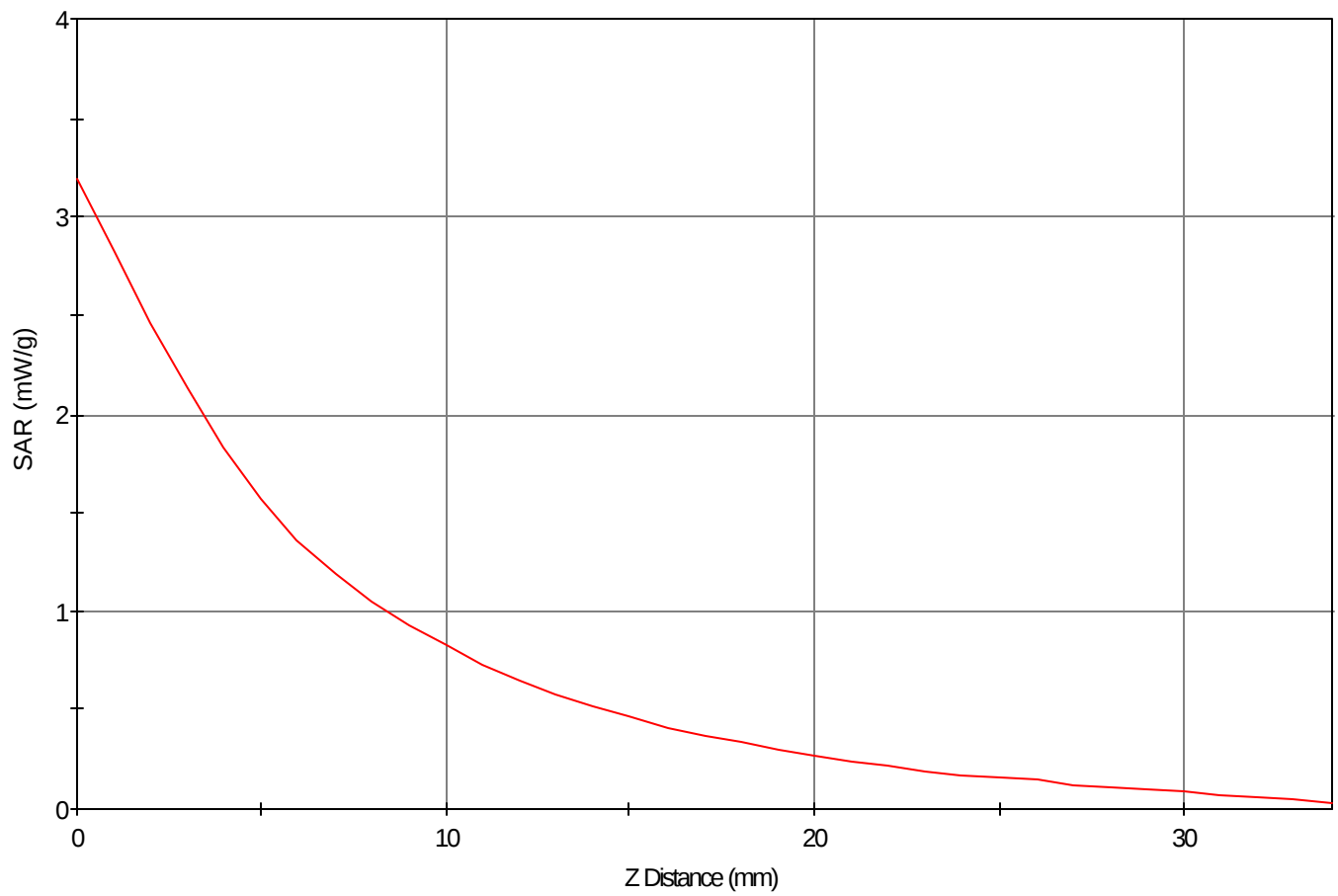
Max 1g SAR at x=-1.0 y=-1.0 z=0.0 = 1.71 W/kg

Max 10g SAR at x=-1.0 y=-1.0 z=0.0 = 0.83 W/kg

## Validation Results at 0.04 W:

Peak Nominal = 2.9, Error: 10.87 %  
1g Nominal = 1.6, Error: 7.99 %  
10g Nominal = 0.8, Error: 1.13 %

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



1g SAR Values

