



Report No.: HCT-SAR05-0902 FCC ID: I28MD-ZLAN11B/I28MD-BTYCTY3 DATE: September 7, 2005

ATTACHMENT C – DIPOLE VALIDATION

■ Validation Data (2450MHz Head)

Dipole 2450 MHz

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 2450 MHz

Probe: ET3DV6 - SN1798; ConvF(4.75,4.75,4.75); Crest factor: 1.0; Brain 2450 MHz: $\sigma = 1.80 \text{ mho/m}$ $\epsilon_r = 38.8$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 53.0 mW/g, SAR(10g): 24.1 mW/g

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

Peak: 112 mW/g; Powerdrift: 0.00 dB

Comment :

Dipole Validation (D2450V2/ S.N: 743)

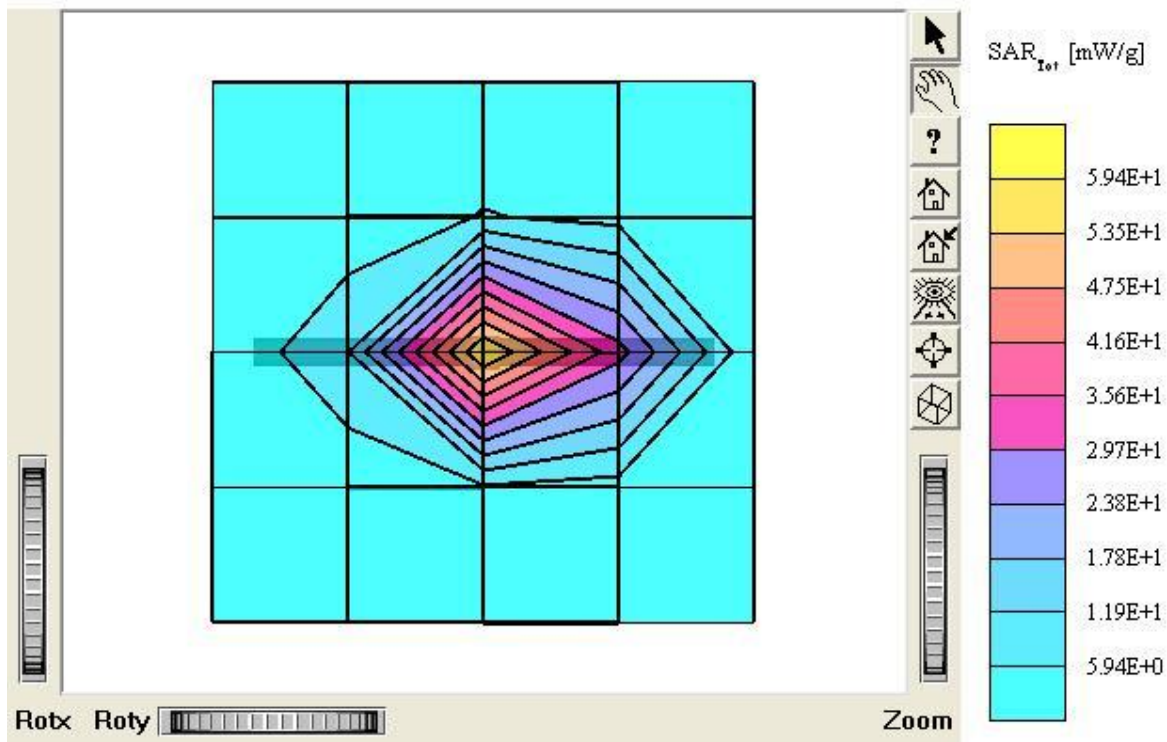
2450MHz Brain

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.3 °C

Date Tested : September 6, 2005



Dipole 2450 MHz

SAM I Phantom; Section; Position; Frequency: 2450 MHz

Probe: ET3DV6 - SN1798; ConvF(4.75,4.75,4.75); Crest factor: 1.0; Brain 2450 MHz: $\sigma = 1.80 \text{ mho/m}$ $\epsilon_r = 38.8$ $\rho = 1.00 \text{ g/cm}^3$

:

Z-Axis: $D_x = 0.0$, $D_y = 0.0$, $D_z = 5.0$

:

Comment :

Dipole Validation (D2450V2/ S.N: 743)

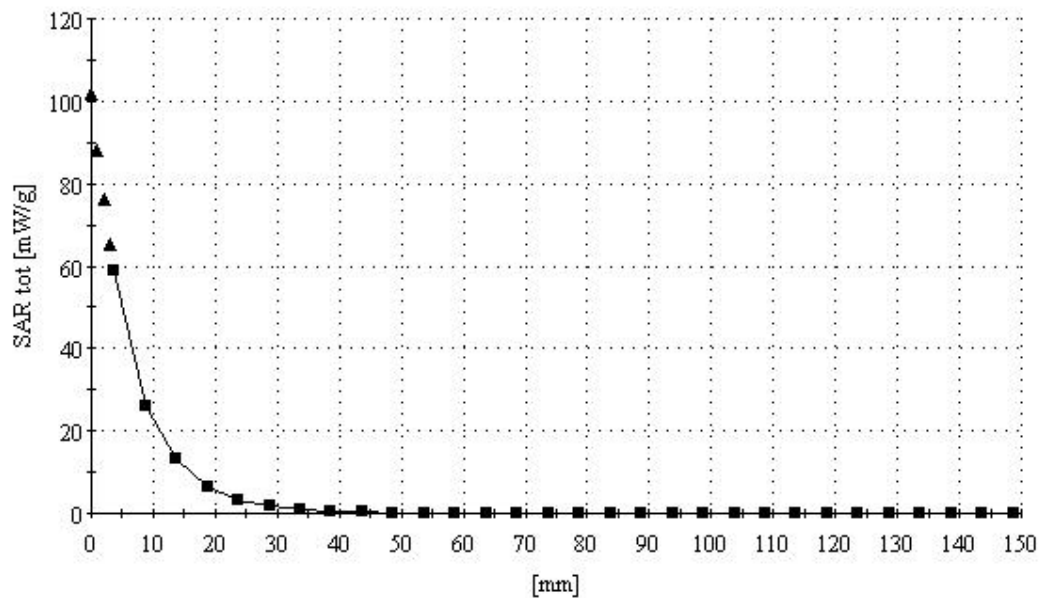
2450MHz Brain

Antenna Input Power: 30dBm (1 W)

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Liquid Temperature : 21.3 °C

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■ Dielectric Parameter (2450MHz Head)

Title : RW 420

SubTitle : 2450 MHz Head

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Frequency	e'	e''
2.400000000 GHz	39.0088	13.1132
2.405000000 GHz	38.9824	13.1050
2.410000000 GHz	38.9787	13.0805
2.415000000 GHz	38.9409	13.1014
2.420000000 GHz	38.9027	13.1116
2.425000000 GHz	38.8875	13.1192
2.430000000 GHz	38.8953	13.1242
2.435000000 GHz	38.8616	13.1586
2.440000000 GHz	38.8330	13.1528
2.445000000 GHz	38.8287	13.1985
2.450000000 GHz	38.7994	13.2046
2.455000000 GHz	38.7773	13.2350
2.460000000 GHz	38.7728	13.2534
2.465000000 GHz	38.7569	13.2677
2.470000000 GHz	38.7362	13.3054
2.475000000 GHz	38.7233	13.3228
2.480000000 GHz	38.7256	13.3382
2.485000000 GHz	38.7010	13.3381
2.490000000 GHz	38.6752	13.3749
2.495000000 GHz	38.6648	13.3876
2.500000000 GHz	38.7029	13.3889

■ Dielectric Parameter (2450MHz Body)

Title : RW 420

SubTitle : 2450 MHz Body

September 06, 2005 02:06 PM

Frequency	e'	e''
2.400000000 GHz	53.2984	14.1757
2.405000000 GHz	53.2563	14.1838
2.410000000 GHz	53.2445	14.2030
2.415000000 GHz	53.1750	14.2549
2.420000000 GHz	53.1192	14.2814
2.425000000 GHz	53.0514	14.3278
2.430000000 GHz	53.0136	14.3703
2.435000000 GHz	52.9793	14.4240
2.440000000 GHz	52.9107	14.4185
2.445000000 GHz	52.8602	14.4708
2.450000000 GHz	52.8837	14.5114
2.455000000 GHz	52.8613	14.5314
2.460000000 GHz	52.7921	14.5745
2.465000000 GHz	52.7883	14.6284
2.470000000 GHz	52.7431	14.6597
2.475000000 GHz	52.7166	14.7016
2.480000000 GHz	52.7133	14.7168
2.485000000 GHz	52.6780	14.7397
2.490000000 GHz	52.6705	14.7570
2.495000000 GHz	52.6544	14.7938
2.500000000 GHz	52.5886	14.8076