



Report No.: HCT-SAR05-0604
2005

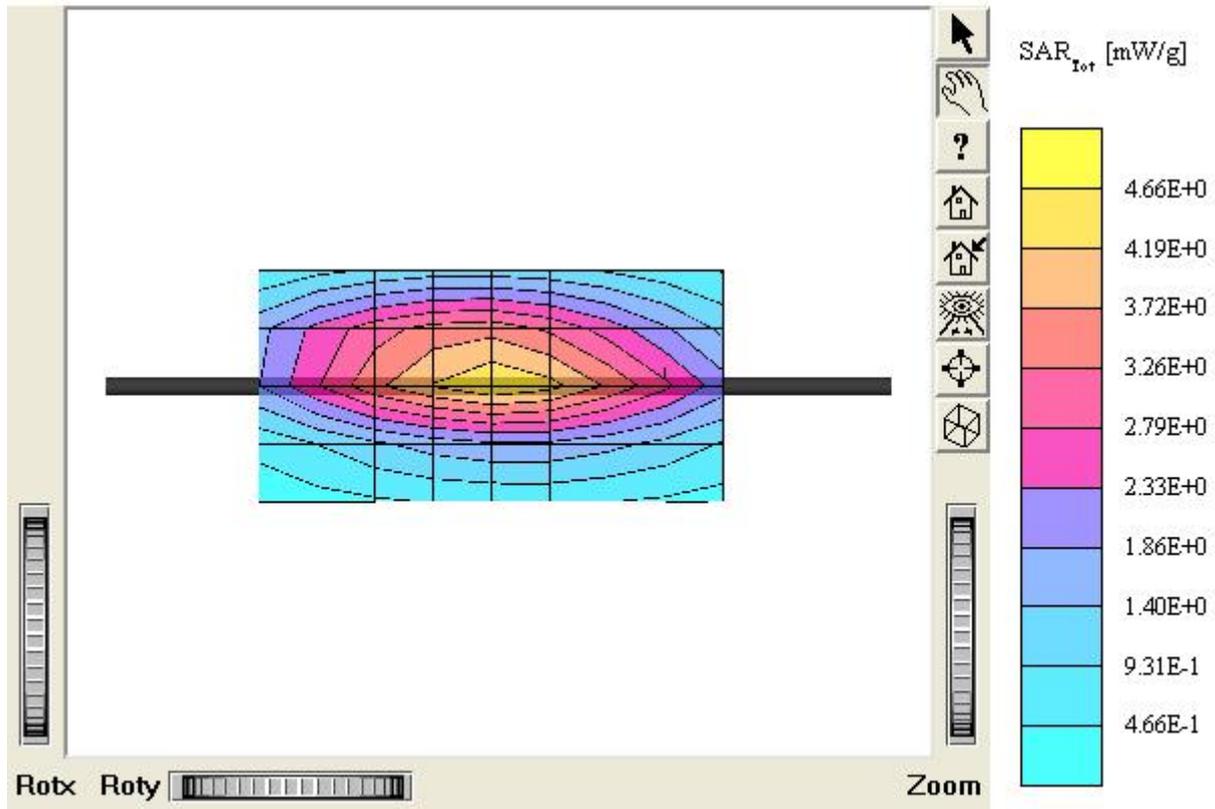
FCC ID: OVVBS004

DATE: June 04,

APPENDIX D – DIPOLE VALIDATION PLOTS

Dipole 450 MHz

SAM I Phantom, Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 44.3$ $\rho = 1.00$ g/cm³
Cubes (2): SAR (1g): 4.85 mW/g ± 0.03 dB, SAR (10g): 3.15 mW/g ± 0.03 dB
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.04 dB
Comment :
Dipole Validation (D450V2/ S.N: 1007)
450MHz Brain
Antenna Input Power: 30dBm (1 W)
HCT Co., Ltd. Brain Tissue Simulating Liquid
Liquid Temperature : 21.4 °C
Date Tested : June 03, 2005



Dipole 450 MHz

SAM I Phantom; Section; Position: ; Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 44.3$ $\rho = 1.00$ g/cm³

:

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment :

Dipole Validation (D450V2/ S.N: 1007)

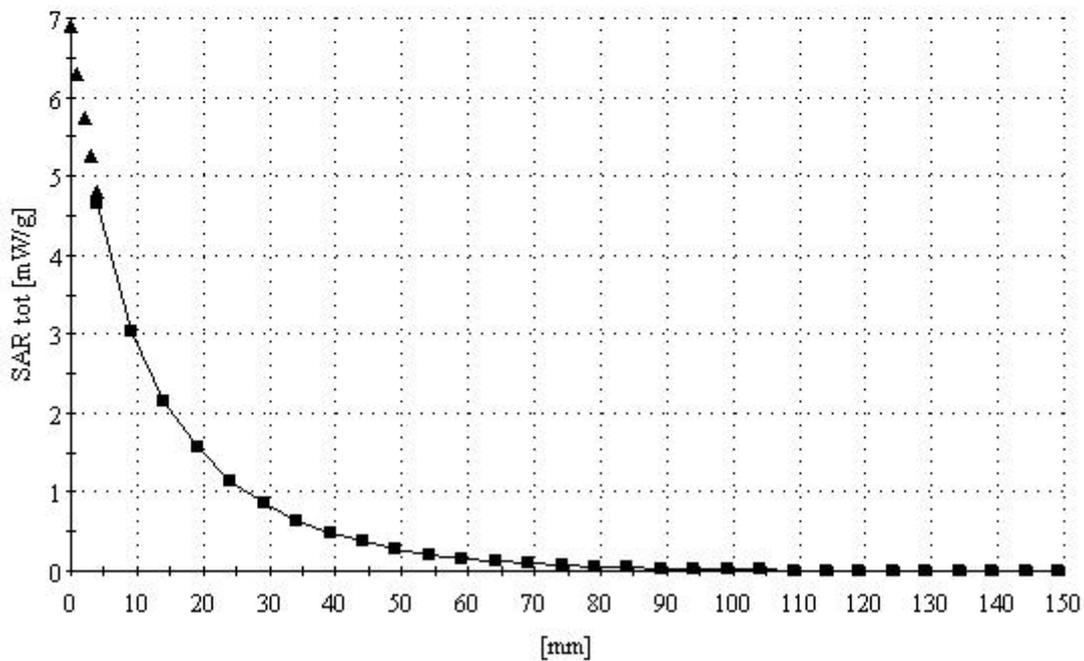
450MHz Brain

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.4 °C

Date Tested : June 03, 2005



Title : BS004

SubTitle : 450MHz Brain

June 03, 2005 09:28 AM

Frequency	e'	e''
400.000000 MHz	45.4851	36.4048
405.000000 MHz	45.3952	36.2164
410.000000 MHz	45.2887	35.8309
415.000000 MHz	45.1355	35.6632
420.000000 MHz	44.9787	35.3807
425.000000 MHz	44.9729	35.1611
430.000000 MHz	44.7976	34.8548
435.000000 MHz	44.6281	34.6902
440.000000 MHz	44.4270	34.4200
445.000000 MHz	44.3559	34.2306
450.000000 MHz	44.3053	34.0420
455.000000 MHz	44.1718	33.9077
460.000000 MHz	44.1584	33.7022
465.000000 MHz	44.0632	33.5503
470.000000 MHz	43.8798	33.4522
475.000000 MHz	43.9672	33.2407
480.000000 MHz	43.9016	33.1287
485.000000 MHz	43.8295	32.9677
490.000000 MHz	43.7507	32.7589
495.000000 MHz	43.6319	32.5095
500.000000 MHz	43.7680	32.4425

Title : BS004

SubTitle : 450MHz Body

June 03, 2005 01:54 PM

Frequency	e'	e''
400.000000 MHz	55.5349	40.5114
405.000000 MHz	55.3140	40.1389
410.000000 MHz	55.2136	39.7750
415.000000 MHz	55.2738	39.4933
420.000000 MHz	55.0530	39.1869
425.000000 MHz	55.0277	38.9327
430.000000 MHz	54.8232	38.6772
435.000000 MHz	54.5776	38.4951
440.000000 MHz	54.5233	38.2622
445.000000 MHz	54.4051	37.8917
450.000000 MHz	54.2303	37.6165
455.000000 MHz	54.2272	37.4279
460.000000 MHz	54.1133	37.2457
465.000000 MHz	54.0776	37.0240
470.000000 MHz	53.9126	36.7957
475.000000 MHz	53.8849	36.6449
480.000000 MHz	53.8446	36.4271
485.000000 MHz	53.8028	36.2852
490.000000 MHz	53.6643	36.1837
495.000000 MHz	53.6155	35.9076
500.000000 MHz	53.5666	35.7933