

APPENDIX D – DIPOLE VALIDATION PLOTS

Dipole 450 MHz

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(6.88,6.88,6.88); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.86$

mho/m $\epsilon_r = 43.1$ $\rho = 1.00$ g/cm³

Cubes (2): SAR (1g): 5.17 mW/g ± 0.03 dB, SAR (10g): 3.33 mW/g ± 0.02 dB

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

Powerdrift: 0.02 dB

Comment:

Dipole Validation (D450V2/ S.N: 1007)

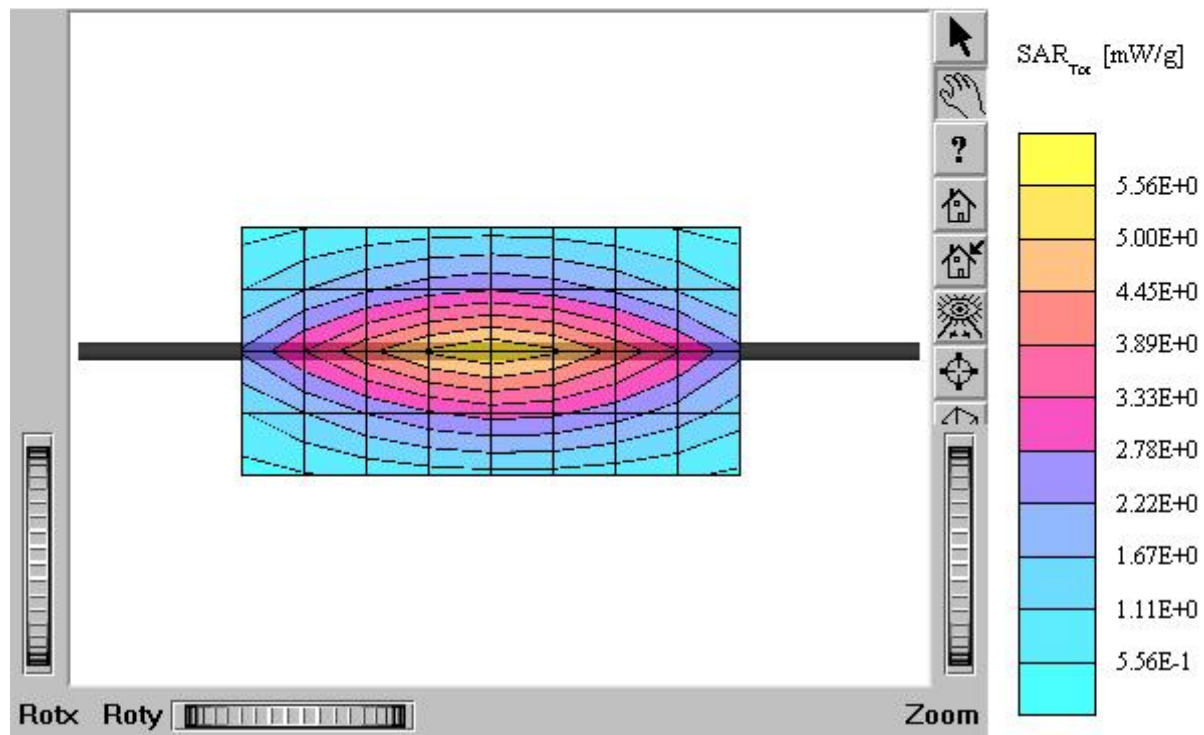
450MHz Brain

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.3 °C

Date Tested : March 19, 2004



Dipole 450 MHz

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(6.88,6.88,6.88); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.86$ mho/m $\epsilon_r = 43.1$ $\rho = 1.00$ g/cm³Cubes (2): SAR (1g): 5.17 mW/g ± 0.03 dB, SAR (10g): 3.33 mW/g ± 0.02 dB

Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:

Dipole Validation (D450V2/ S.N: 1007)

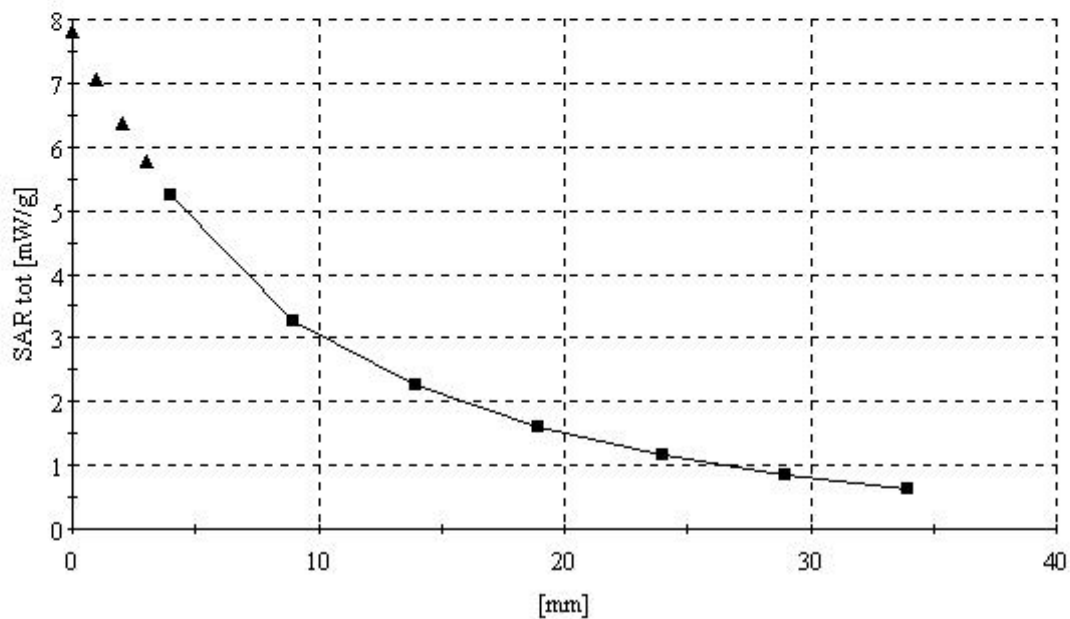
450MHz Brain

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.3 °C

Date Tested : March 19, 2004



SubTitle : 450 MHz Brain

March 19, 2004 08:35 AM

Frequency	e'	e''
400.000000 MHz	44.2091	36.8378
405.000000 MHz	44.0275	36.4755
410.000000 MHz	44.0138	36.4047
415.000000 MHz	43.8962	36.0272
420.000000 MHz	43.6591	35.7759
425.000000 MHz	43.5911	35.5655
430.000000 MHz	43.5139	35.2831
435.000000 MHz	43.3075	35.1618
440.000000 MHz	43.2335	34.8709
445.000000 MHz	43.1969	34.6941
450.000000 MHz	43.0886	34.5321
455.000000 MHz	43.0360	34.2352
460.000000 MHz	42.9120	34.0659
465.000000 MHz	42.7474	33.8523
470.000000 MHz	42.8205	33.6417
475.000000 MHz	42.7048	33.3758
480.000000 MHz	42.6914	33.2931
485.000000 MHz	42.5657	33.1604
490.000000 MHz	42.4682	33.0781
495.000000 MHz	42.3400	32.7966
500.000000 MHz	42.1870	32.6611

SubTitle : 450 MHz Body

March 19, 2004 09:16 AM

Frequency	e'	e''
400.000000 MHz	56.2841	40.5278
405.000000 MHz	56.2714	40.3047
410.000000 MHz	56.1059	39.9263
415.000000 MHz	56.0341	39.7047
420.000000 MHz	56.0219	39.3544
425.000000 MHz	55.9279	39.1075
430.000000 MHz	55.7378	38.7644
435.000000 MHz	55.7459	38.5100
440.000000 MHz	55.6202	38.0712
445.000000 MHz	55.6045	37.8912
450.000000 MHz	55.5239	37.6698
455.000000 MHz	55.5079	37.4781
460.000000 MHz	55.4137	37.2680
465.000000 MHz	55.4119	37.0899
470.000000 MHz	55.1930	36.8858
475.000000 MHz	54.9724	36.6961
480.000000 MHz	54.8999	36.3717
485.000000 MHz	54.8717	36.1696
490.000000 MHz	54.7491	35.9378
495.000000 MHz	54.5981	35.6464
500.000000 MHz	54.6517	35.4039