

APPENDIX C – 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: $\sigma = 0.87$ mho/m $\epsilon_r = 43.7$ $\rho = 1.00$ g/cm³Cubes (2): SAR (1g): 5.05 mW/g ± 0.04 dB, SAR (10g): 3.26 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)

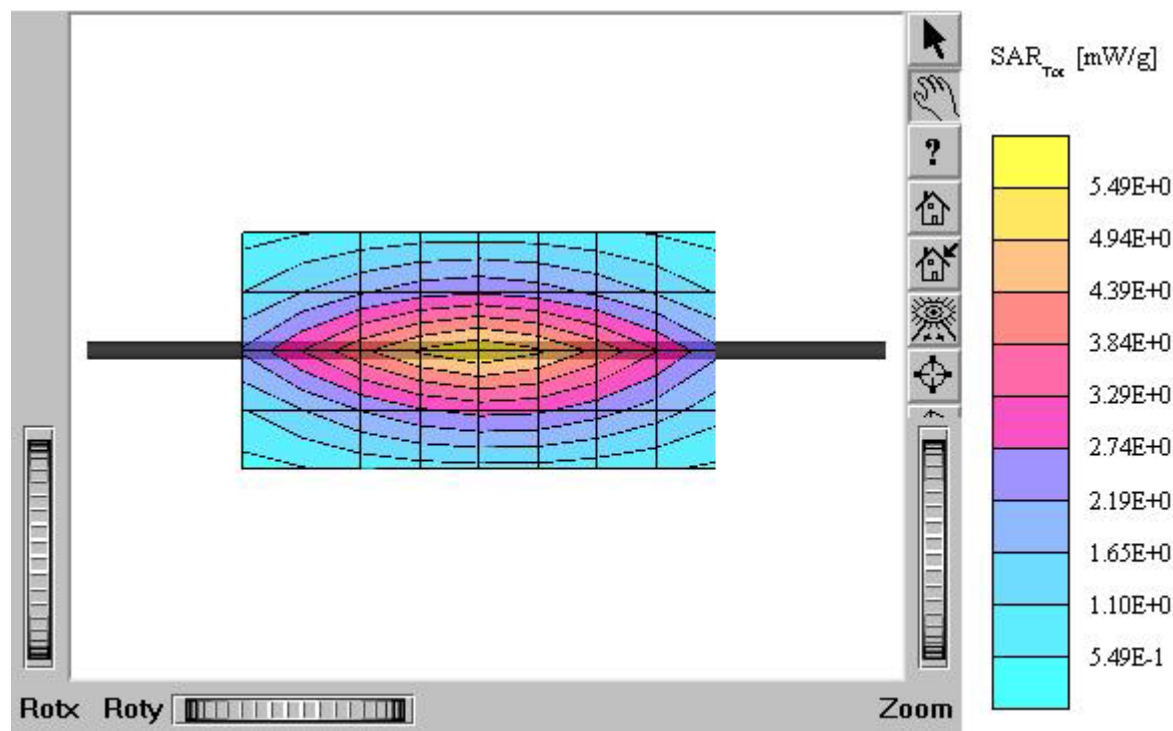
450MHz Brain

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.2 °C

Date Tested : May 10, 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: $\sigma = 0.87$

mho/m $\epsilon_r = 43.7$ $\rho = 1.00$ g/cm³

Cubes (2): SAR (1g): 5.05 mW/g ± 0.04 dB, SAR (10g): 3.26 mW/g ± 0.02 dB

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

Comment:

Dipole Validation (D450V2/ S.N: 1007)

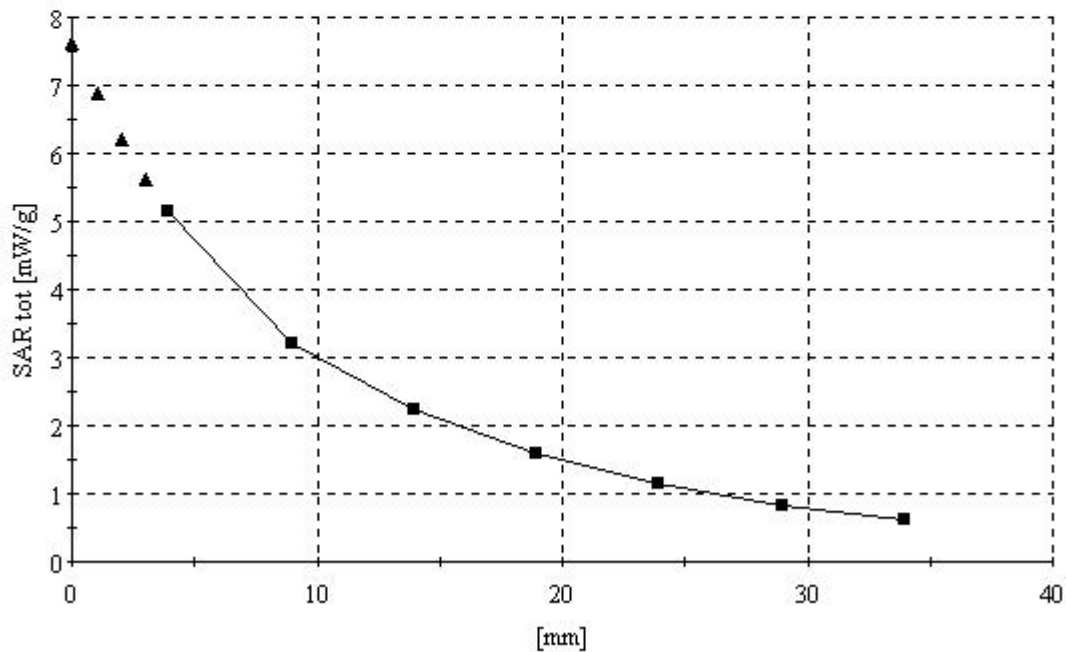
450MHz Brain

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.2 °C

Date Tested : May 10, 2004



Title : Dico XA1500

SubTitle 1: 450 MHz Brain

May 10, 2004 09:04 AM

Frequency	e'	e''
400.000000 MHz	44.9148	37.0934
405.000000 MHz	44.8149	36.7763
410.000000 MHz	44.7798	36.6108
415.000000 MHz	44.7004	36.2735
420.000000 MHz	44.5190	36.0491
425.000000 MHz	44.4865	35.8674
430.000000 MHz	44.2879	35.6170
435.000000 MHz	44.1073	35.3313
440.000000 MHz	44.0651	35.0503
445.000000 MHz	43.9346	34.8079
450.000000 MHz	43.6722	34.6667
455.000000 MHz	43.5344	34.4543
460.000000 MHz	43.4066	34.1717
465.000000 MHz	43.3045	34.0367
470.000000 MHz	43.2193	33.7128
475.000000 MHz	43.0544	33.5512
480.000000 MHz	43.0182	33.3458
485.000000 MHz	42.8326	33.1866
490.000000 MHz	42.6512	33.0305
495.000000 MHz	42.7079	32.8382
500.000000 MHz	42.5957	32.6605

Title : Dico XA1500

SubTitle : 450 MHz BODY

May 10, 2004 05:05 PM

Frequency	e'	e''
400.000000 MHz	56.0797	40.4576
405.000000 MHz	56.0413	40.1985
410.000000 MHz	56.0197	39.9107
415.000000 MHz	55.8488	39.5944
420.000000 MHz	55.8779	39.2384
425.000000 MHz	55.7743	38.9346
430.000000 MHz	55.6929	38.6332
435.000000 MHz	55.6132	38.4367
440.000000 MHz	55.5181	38.1496
445.000000 MHz	55.4335	37.8085
450.000000 MHz	55.3620	37.5294
455.000000 MHz	55.3911	37.3686
460.000000 MHz	55.2545	37.1310
465.000000 MHz	55.2666	36.9706
470.000000 MHz	55.1288	36.7975
475.000000 MHz	54.8487	36.5391
480.000000 MHz	54.8226	36.2612
485.000000 MHz	54.7606	36.0676
490.000000 MHz	54.5467	35.8210
495.000000 MHz	54.3940	35.5142
500.000000 MHz	54.5135	35.3291