

APPENDIX D – DIPOLE VALIDATION PLOTS

Dipole 450 MHz

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

Probe: ET3DV6 - SN1798; ConvF(7.50,7.50,7.50); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.86$ mho/m $\epsilon_r = 44.3$ $\rho = 1.00$ g/cm³Cubes (2): SAR (1g): 5.02 mW/g ± 0.00 dB, SAR (10g): 3.47 mW/g ± 0.01 dB

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

Powerdrift: -0.01 dB

Comment:

Dipole Validation (D450V2/ S.N : 1007)

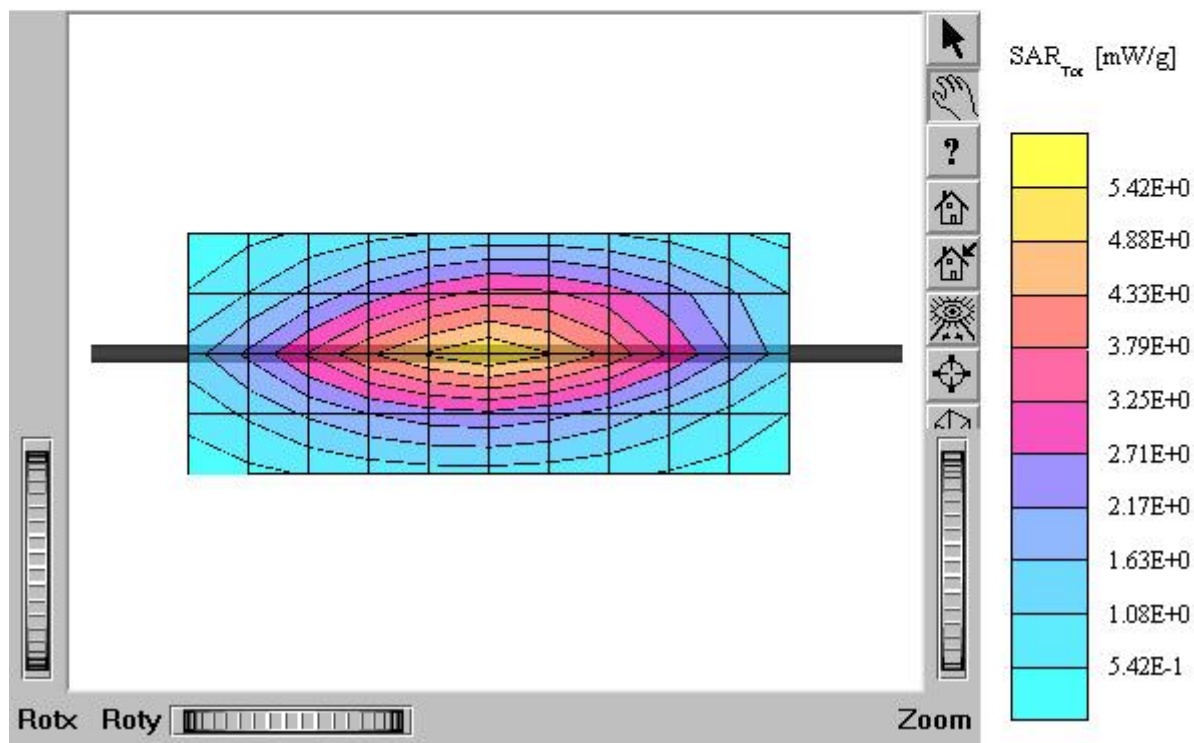
450 MHz Brain

Antenna Input Power : 30dBm (1 W)

HCT Co., Ltd Brain Tissue Simulating Liquid

Liquid Temperature : 21.3 °C

Date Tested : October 31, 2003



Dipole 450 MHz

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

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

Comment:

Dipole Validation (D450V2/ S.N : 1007)

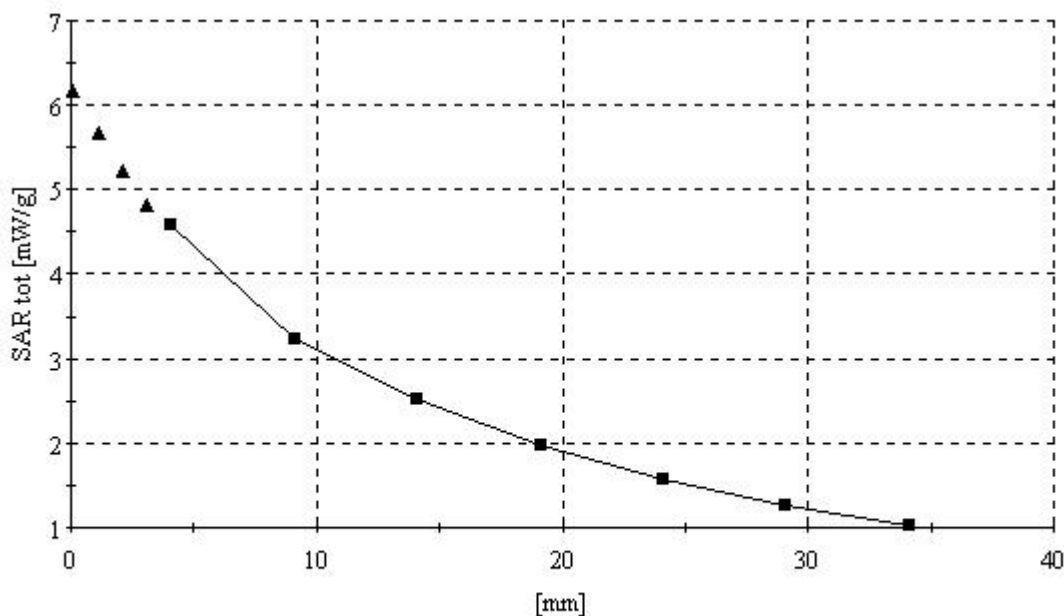
450 MHz Brain

Antenna Input Power : 30dBm (1 W)

HCT Co., Ltd Brain Tissue Simulating Liquid

Liquid Temperature : 21.3 °C

Date Tested : October 31, 2003



Title : XGM950

SubTitle : 450 MHz Brain

October 31, 2003 03:55 AM

Frequency	e'	e''
400.000000 MHz	45.4210	36.5395
405.000000 MHz	45.2683	36.3383
410.000000 MHz	45.2171	36.1070
415.000000 MHz	45.2361	35.9311
420.000000 MHz	45.0404	35.7911
425.000000 MHz	44.8951	35.4298
430.000000 MHz	44.8827	35.1545
435.000000 MHz	44.6312	34.9605
440.000000 MHz	44.5873	34.8352
445.000000 MHz	44.4052	34.5448
450.000000 MHz	44.3006	34.2489
455.000000 MHz	44.2760	34.0952
460.000000 MHz	44.1221	33.8183
465.000000 MHz	44.0360	33.7185
470.000000 MHz	43.9688	33.5007
475.000000 MHz	43.8977	33.2522
480.000000 MHz	43.8585	32.9769
485.000000 MHz	43.7866	32.8173
490.000000 MHz	43.7278	32.6240
495.000000 MHz	43.6820	32.5009
500.000000 MHz	43.4941	32.3366

Title : XGM950

SubTitle : 450 MHz Body

October 31, 2003 09:26 AM

Frequency	e'	e''
400.000000 MHz	57.1759	41.3289
405.000000 MHz	57.1377	40.8864
410.000000 MHz	57.0064	40.5649
415.000000 MHz	56.9952	40.2078
420.000000 MHz	56.9657	39.8103
425.000000 MHz	56.9440	39.5612
430.000000 MHz	56.8857	39.2240
435.000000 MHz	56.9057	38.8785
440.000000 MHz	56.7979	38.3883
445.000000 MHz	56.7856	38.0833
450.000000 MHz	56.7817	37.8208
455.000000 MHz	56.7011	37.3696
460.000000 MHz	56.6782	37.1977
465.000000 MHz	56.6701	36.9139
470.000000 MHz	56.5400	36.7531
475.000000 MHz	56.4288	36.4091
480.000000 MHz	56.2757	36.1170
485.000000 MHz	56.1969	35.7434
490.000000 MHz	56.2039	35.5178
495.000000 MHz	56.1295	35.2434
500.000000 MHz	56.0829	35.0899