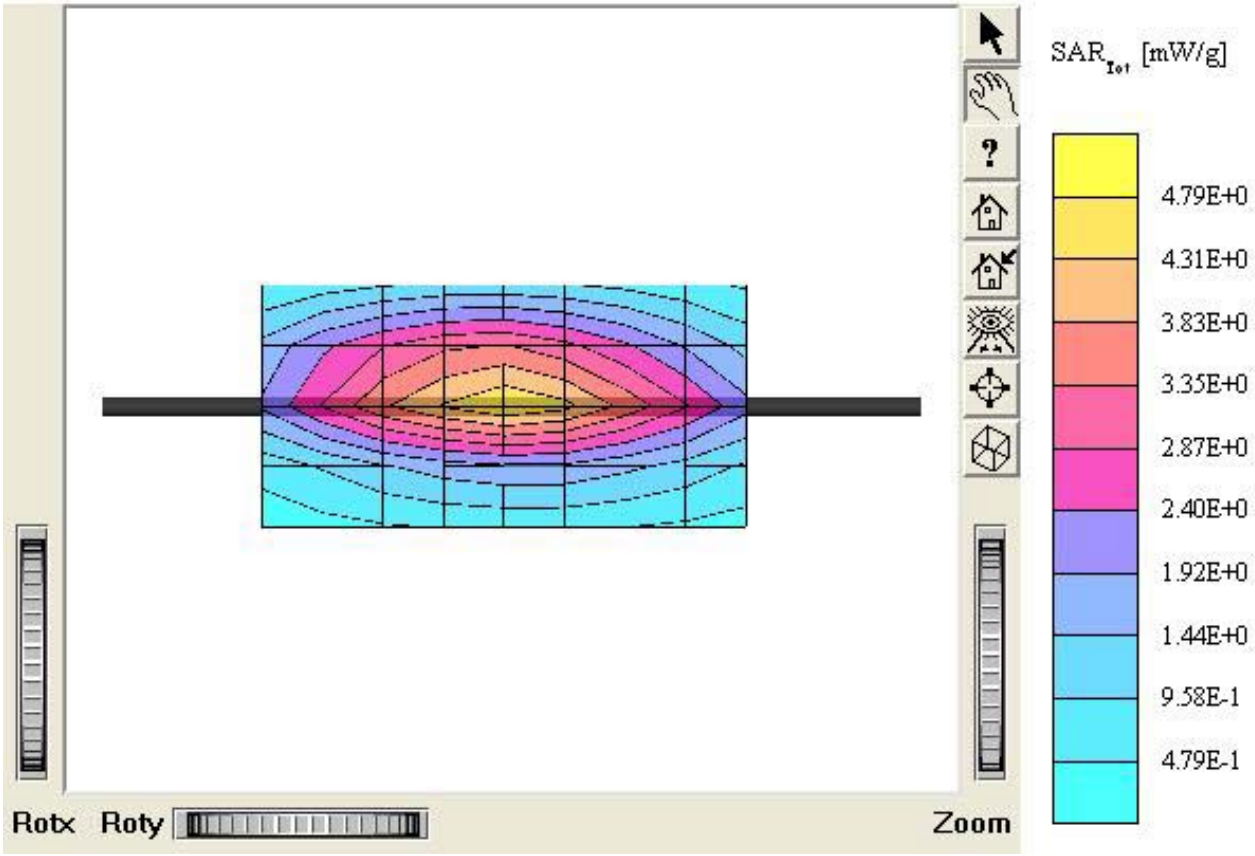
APPENDIX D – DIPOLE VALIDATION PLOTS

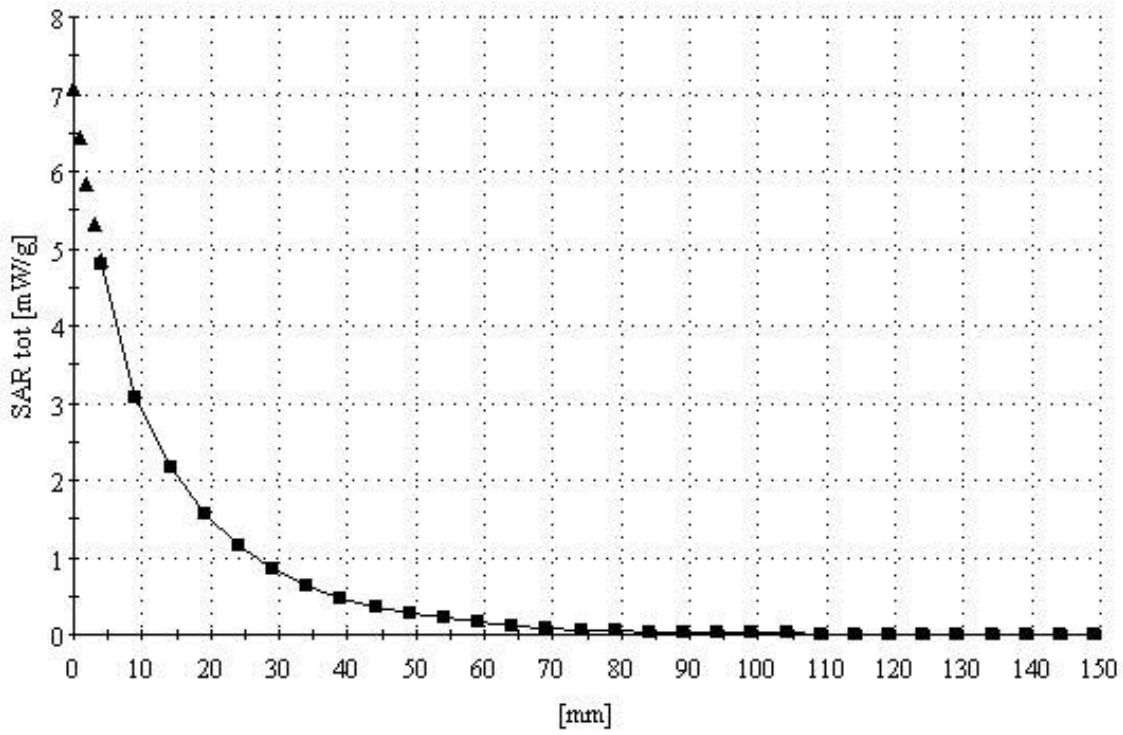
Dipole 450 MHz

SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Head 450 MHz: σ = 0.86 mho/m ε_r = 43.8 ρ = 1.00 g/cm^3
Cubes (2): SAR (1g): 4.87 mW/g ± 0.01 dB, SAR (10g): 3.13 mW/g ± 0.01 dB
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Peak: 7.84 mW/g ± 0.03 dB: Powerdrift: -0.04 dB
Comment :
Dipole Validation (D450V2/ S.N: 1007)
450MHz Head
Antenna Input Power: 30dBm (1 W)
HCT Co., Ltd. Brain Tissue Simulating Liquid
Liquid Temperature: 21.9 ℃
Date Tested: June 28, 2005



Dipole 450 MHz

SAM II Phantom; Section; Position: ; Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Head 450 MHz: σ = 0.86 mho/m ε_r = 43.8 ρ = 1.00 g/cm^3
:
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0
:
Comment :
Dipole Validation (D450V2/ S.N: 1007)
450MHz Head
Antenna Input Power: 30dBm (1 W)
HCT Co., Ltd. Brain Tissue Simulating Liquid
Liquid Temperature: 21.9 ℃
Date Tested: June 28, 2005



Title : GMRS200

SubTitle : 450MHz Head

June 28, 2005 09:25 AM

Frequency	e'	e''
400.000000 MHz	45.2076	36.8003
405.000000 MHz	45.1565	36.7061
410.000000 MHz	44.9850	36.3354
415.000000 MHz	44.8691	36.0463
420.000000 MHz	44.6151	35.7548
425.000000 MHz	44.5753	35.5375
430.000000 MHz	44.3151	35.2802
435.000000 MHz	44.0932	34.9850
440.000000 MHz	44.0406	34.7668
445.000000 MHz	43.8503	34.6314
450.000000 MHz	43.8113	34.4761
455.000000 MHz	43.5717	34.3370
460.000000 MHz	43.5472	34.1309
465.000000 MHz	43.4259	33.9991
470.000000 MHz	43.3636	33.8247
475.000000 MHz	43.4452	33.6481
480.000000 MHz	43.4713	33.5188
485.000000 MHz	43.4436	33.3830
490.000000 MHz	43.3777	33.2215
495.000000 MHz	43.3748	33.0179
500.000000 MHz	43.4531	32.8892

Title : GMRS200

SubTitle : 450MHz Body

June 28, 2005 01:44 PM

Frequency	e'	e''
400.000000 MHz	55.3608	39.1594
405.000000 MHz	55.1676	38.8402
410.000000 MHz	54.9679	38.5198
415.000000 MHz	54.8871	38.2681
420.000000 MHz	54.8261	37.9474
425.000000 MHz	54.6894	37.6474
430.000000 MHz	54.5372	37.3573
435.000000 MHz	54.5279	37.1846
440.000000 MHz	54.4717	36.9656
445.000000 MHz	54.3776	36.6428
450.000000 MHz	54.2375	36.4692
455.000000 MHz	54.0945	36.1680
460.000000 MHz	54.0087	35.9555
465.000000 MHz	53.9200	35.7664
470.000000 MHz	53.8604	35.4837
475.000000 MHz	53.7765	35.3021
480.000000 MHz	53.6515	35.0425
485.000000 MHz	53.6432	34.9068
490.000000 MHz	53.4795	34.6996
495.000000 MHz	53.4298	34.4380
500.000000 MHz	53.3588	34.2376