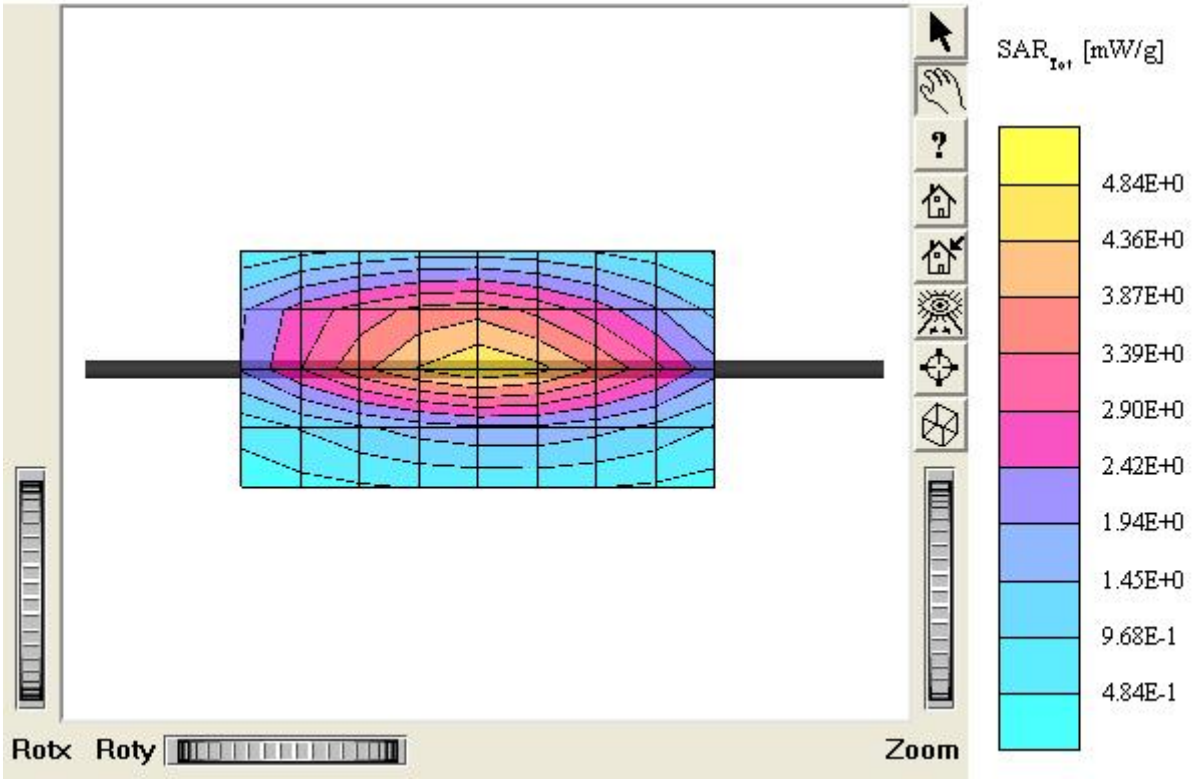
APPENDIX D – DIPOLE VALIDATION PLOTS

Dipole 450 MHz

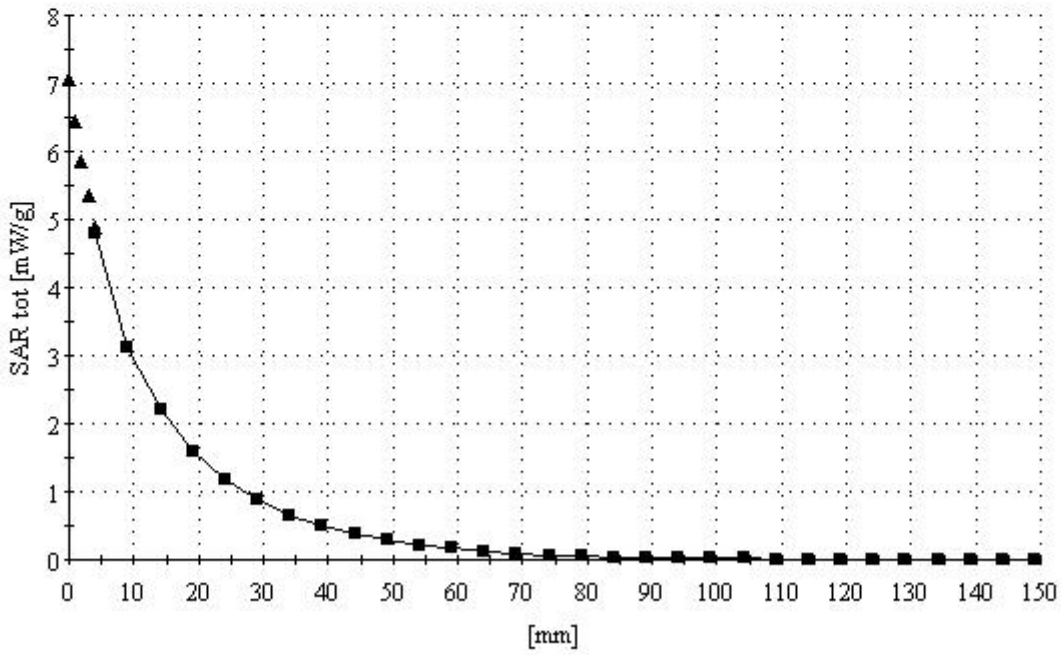
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Head 450 MHz: σ = 0.86 mho/m ε_r = 43.9 ρ = 1.00 g/cm^3
Cubes (2): SAR (1g): 5.23 mW/g ± 0.12 dB, SAR (10g): 3.33 mW/g ± 0.12 dB
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.26 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 : 21.8 ℃
Date Tested : April 30, 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; Head 450 MHz: σ = 0.86 mho/m ε_r = 43.9 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 Brain
Antenna Input Power: 30dBm (1 W)
HCT Co., Ltd. Brain Tissue Simulating Liquid
Liquid Temperature : 21.8 ℃
Date Tested : April 30, 2005



Title : GXT555

SubTitle : 450MHz HEAD

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Frequency	e'	e''
400.000000 MHz	45.1695	36.6803
405.000000 MHz	45.0228	36.4981
410.000000 MHz	44.9368	36.0767
415.000000 MHz	44.7666	35.8998
420.000000 MHz	44.6006	35.6570
425.000000 MHz	44.5163	35.4080
430.000000 MHz	44.2948	35.1464
435.000000 MHz	44.1035	34.9254
440.000000 MHz	43.9989	34.6201
445.000000 MHz	43.9383	34.4662
450.000000 MHz	43.8712	34.2604
455.000000 MHz	43.8472	34.2006
460.000000 MHz	43.7631	33.9862
465.000000 MHz	43.6012	33.8435
470.000000 MHz	43.4633	33.7724
475.000000 MHz	43.4686	33.5729
480.000000 MHz	43.5001	33.3725
485.000000 MHz	43.4606	33.2750
490.000000 MHz	43.4507	33.1396
495.000000 MHz	43.3631	32.8478
500.000000 MHz	43.4742	32.7149

Title : GXT555

SubTitle : 450MHz BODY

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Frequency	e'	e''
400.000000 MHz	55.2671	40.6864
405.000000 MHz	55.1050	40.3866
410.000000 MHz	55.1279	39.9362
415.000000 MHz	55.0833	39.6928
420.000000 MHz	54.8379	39.3486
425.000000 MHz	54.8543	39.0858
430.000000 MHz	54.7363	38.8531
435.000000 MHz	54.5538	38.5786
440.000000 MHz	54.4657	38.3709
445.000000 MHz	54.4675	38.0150
450.000000 MHz	54.2851	37.7016
455.000000 MHz	54.3106	37.5632
460.000000 MHz	54.1456	37.3144
465.000000 MHz	54.0543	37.1403
470.000000 MHz	53.9127	36.9798
475.000000 MHz	53.8501	36.7432
480.000000 MHz	53.7582	36.5352
485.000000 MHz	53.7619	36.3474
490.000000 MHz	53.6068	36.2490
495.000000 MHz	53.5109	35.9119
500.000000 MHz	53.4761	35.7776