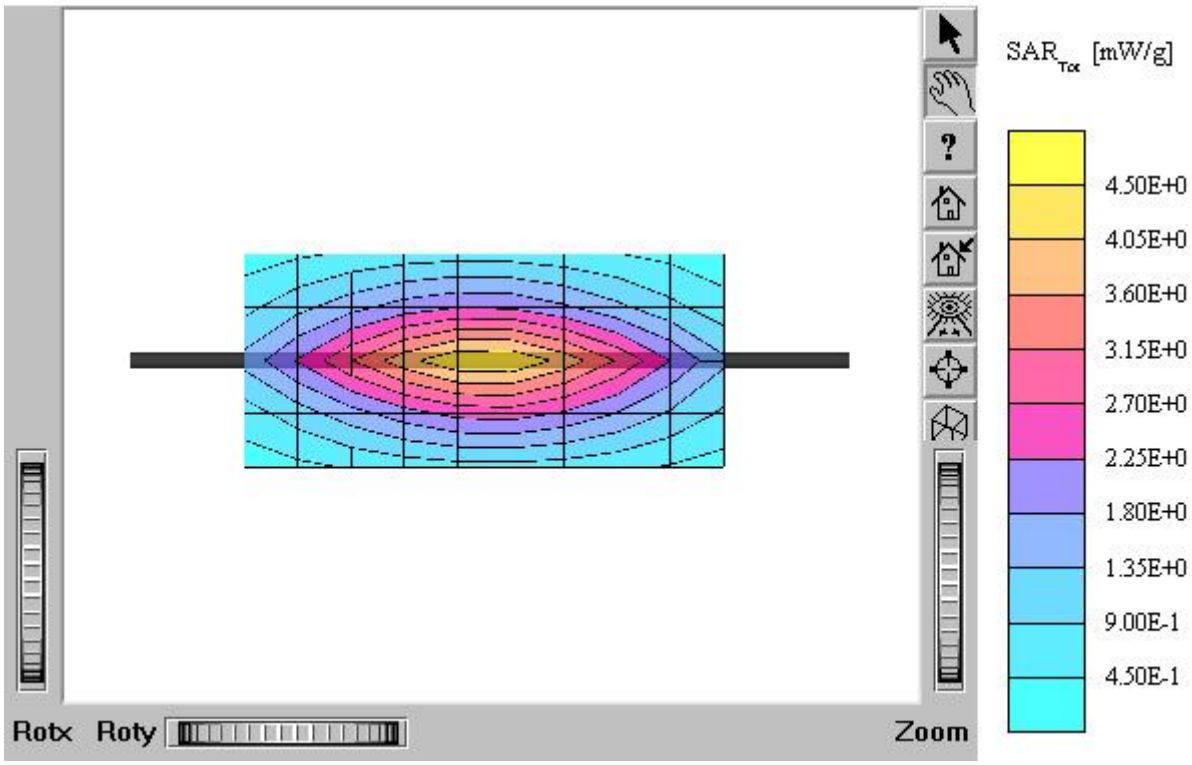
APPENDIX C – DIPOLE VALIDATION PLOTS

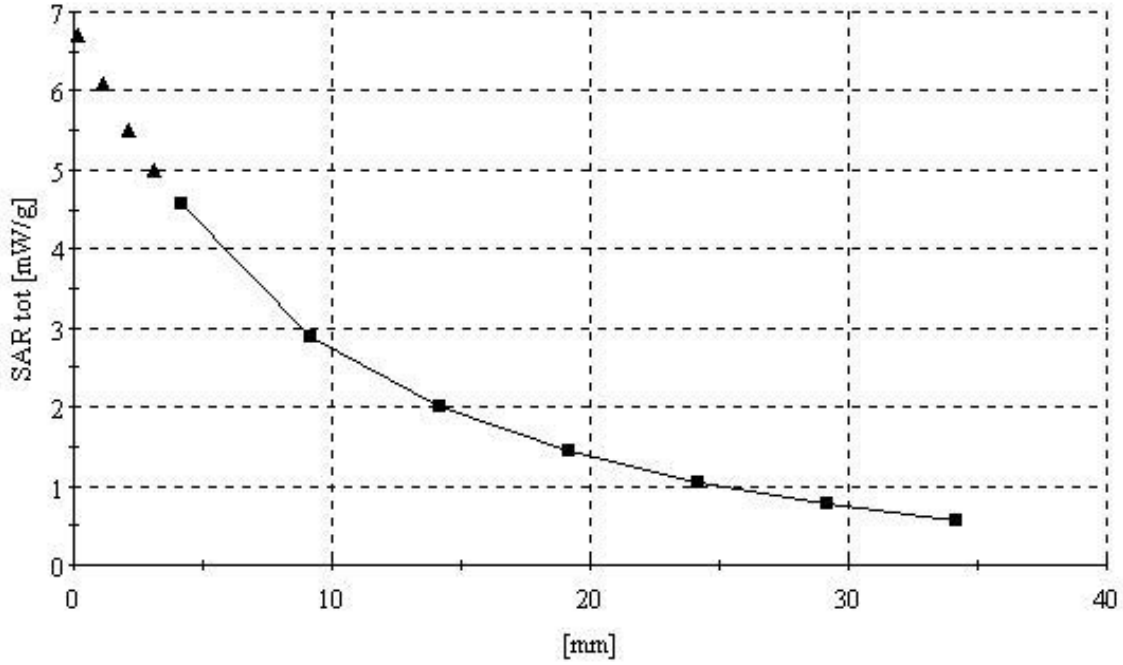
Dipole 450 MHz
SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: s = 0.86 mho/m e_r = 43.7 r = 1.00 g/cm³
Cubes (2): SAR (1g): 4.98 mW/g ± 0.01 dB, SAR (10g): 3.22 mW/g ± 0.01 dB
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.01 dB
Comment:
Dipole Validation (D450V2/ S.N: 1007)
450MHz Brain
Antenna Input Power: 30dBm (1 W)
HCT Co., Ltd. Brain Tissue Simulating Liquid
Liquid Temperature: 21.5℃
Date Tested : November 24 , 2004



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; Brain 450 MHz: s = 0.86 mho/m e, = 43.7 r = 1.00 g/cm³
Cubes (2): SAR (1g): 4.78 mW/g ± 0.15 dB, SAR (10g): 3.11 mW/g ± 0.14 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: 21.5℃
Date Tested : November 24 , 2004



Title : HL-10U1

SubTitle : 450 MHz Brain

November 24, 2004 08:31 AM

Frequency	e'	e''
400.000000 MHz	44.9821	36.6862
405.000000 MHz	44.9157	36.4722
410.000000 MHz	44.8768	36.0855
415.000000 MHz	44.7212	35.8661
420.000000 MHz	44.4833	35.6745
425.000000 MHz	44.4080	35.3453
430.000000 MHz	44.2757	35.1493
435.000000 MHz	44.0657	34.9312
440.000000 MHz	43.9054	34.6345
445.000000 MHz	43.8031	34.4493
450.000000 MHz	43.7403	34.2622
455.000000 MHz	43.6938	34.1692
460.000000 MHz	43.6018	34.0120
465.000000 MHz	43.5302	33.8549
470.000000 MHz	43.3848	33.6770
475.000000 MHz	43.4252	33.5264
480.000000 MHz	43.4227	33.3322
485.000000 MHz	43.4094	33.2835
490.000000 MHz	43.3718	33.0835
495.000000 MHz	43.2599	32.8482
500.000000 MHz	43.4051	32.7098

Title : HL-10U1

SubTitle : 450 MHz Body

November 24, 2004 09:13 AM

Frequency	e'	e''
400.000000 MHz	55.7246	40.4993
405.000000 MHz	55.8072	40.3038
410.000000 MHz	55.6463	39.8638
415.000000 MHz	55.4824	39.6202
420.000000 MHz	55.5121	39.2451
425.000000 MHz	55.4234	39.0003
430.000000 MHz	55.2220	38.7821
435.000000 MHz	55.1068	38.4741
440.000000 MHz	54.9954	38.0744
445.000000 MHz	54.9602	37.8620
450.000000 MHz	54.9086	37.5611
455.000000 MHz	54.8621	37.3789
460.000000 MHz	54.7345	37.1601
465.000000 MHz	54.6659	37.0364
470.000000 MHz	54.5040	36.8513
475.000000 MHz	54.4212	36.5904
480.000000 MHz	54.3128	36.3309
485.000000 MHz	54.2458	36.1754
490.000000 MHz	54.1657	35.8658
495.000000 MHz	54.0407	35.5892
500.000000 MHz	54.2196	35.3401