

APPENDIX C – DIPOLE VALIDATION PLOTS

Dipole 450 MHz

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

Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: $s = 0.86$ ρ/m $\epsilon_r = 43.7$ $\rho = 1.00$ g/cm³Cubes (2): SAR (1g): 4.68 mW/g ± 0.10 dB, SAR (10g): 3.02 mW/g ± 0.11 dB

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

Powerdrift: 0.04 dB

Comment:

Dipole Validation (D450V2/ S.N: 1007)

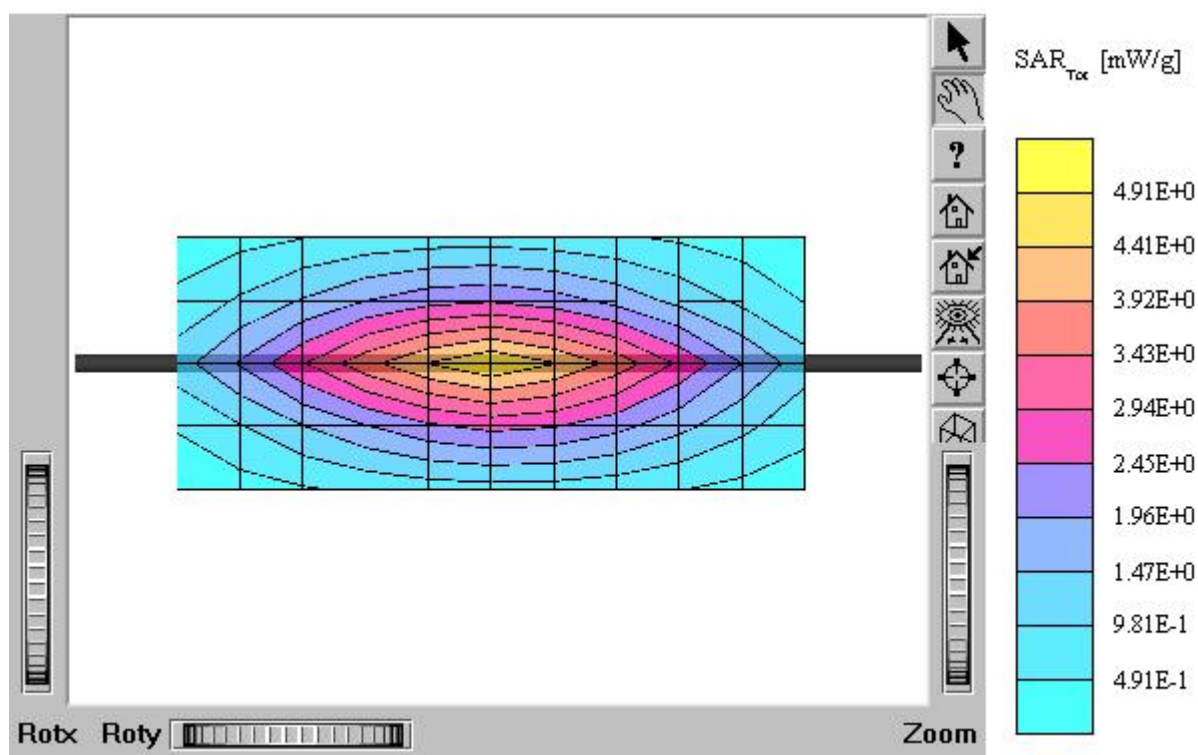
450MHz Brain

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature: 21.2°C

Date Tested : November 23 , 2004

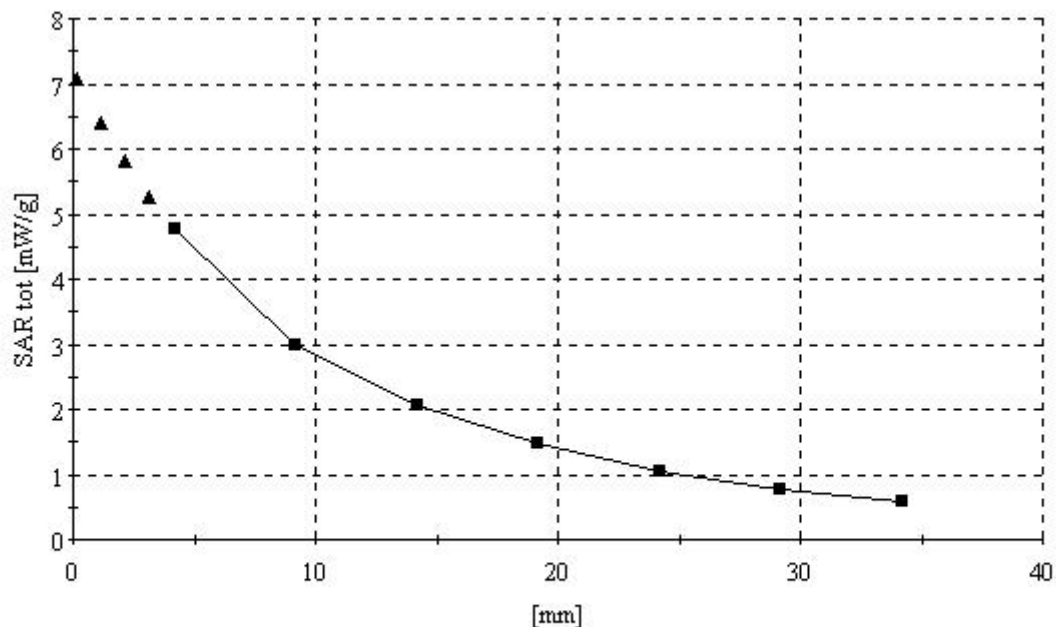


Dipole 450 MHz

SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: $s = 0.86$
 $\rho_{\text{ho/m}} = 43.7$ $r = 1.00$ g/cm³
Cubes (2): SAR (1g): 4.68 mW/g ± 0.10 dB, SAR (10g): 3.02 mW/g ± 0.11 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 : November 23 , 2004



Title : HL-10U2

SubTitle : 450 MHz Brain

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Frequency	e'	e''
400.000000 MHz	45.6581	36.5887
405.000000 MHz	45.5028	36.3867
410.000000 MHz	45.4712	36.0285
415.000000 MHz	45.2667	35.8659
420.000000 MHz	45.0638	35.5477
425.000000 MHz	45.0128	35.2934
430.000000 MHz	44.8166	35.1060
435.000000 MHz	44.6049	34.7905
440.000000 MHz	44.4818	34.5262
445.000000 MHz	44.3548	34.3444
450.000000 MHz	44.3651	34.1825
455.000000 MHz	44.1464	34.0973
460.000000 MHz	44.1307	33.8720
465.000000 MHz	43.9593	33.6945
470.000000 MHz	43.8238	33.6055
475.000000 MHz	43.8136	33.3911
480.000000 MHz	43.7985	33.2521
485.000000 MHz	43.6934	33.0957
490.000000 MHz	43.7260	32.9193
495.000000 MHz	43.6024	32.7381
500.000000 MHz	43.6586	32.5978

Title : HL-10U2

SubTitle : 450 MHz Body

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Frequency	e'	e''
400.000000 MHz	56.0383	40.4650
405.000000 MHz	55.9837	40.2300
410.000000 MHz	55.8766	39.8116
415.000000 MHz	55.8814	39.5471
420.000000 MHz	55.8633	39.1596
425.000000 MHz	55.7779	38.9540
430.000000 MHz	55.7039	38.6910
435.000000 MHz	55.6169	38.4557
440.000000 MHz	55.4166	38.1301
445.000000 MHz	55.4407	37.8458
450.000000 MHz	55.4430	37.5517
455.000000 MHz	55.3984	37.3102
460.000000 MHz	55.3087	37.1200
465.000000 MHz	55.2272	36.9600
470.000000 MHz	55.1252	36.7798
475.000000 MHz	54.8662	36.5355
480.000000 MHz	54.8327	36.2230
485.000000 MHz	54.7299	36.0920
490.000000 MHz	54.5127	35.8282
495.000000 MHz	54.3940	35.5142
500.000000 MHz	54.5657	35.2481