

## 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:  $s = 0.86$  $\rho/m$   $\epsilon_r = 43.7$   $\rho = 1.00$  g/cm<sup>3</sup>Cubes (2): SAR (1g): 4.68 mW/g  $\pm 0.10$  dB, SAR (10g): 3.02 mW/g  $\pm 0.11$  dB

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

Powerdrift: 0.04 dB

Comment:

Dipole Validation (D450V2/ S.N: 1007)

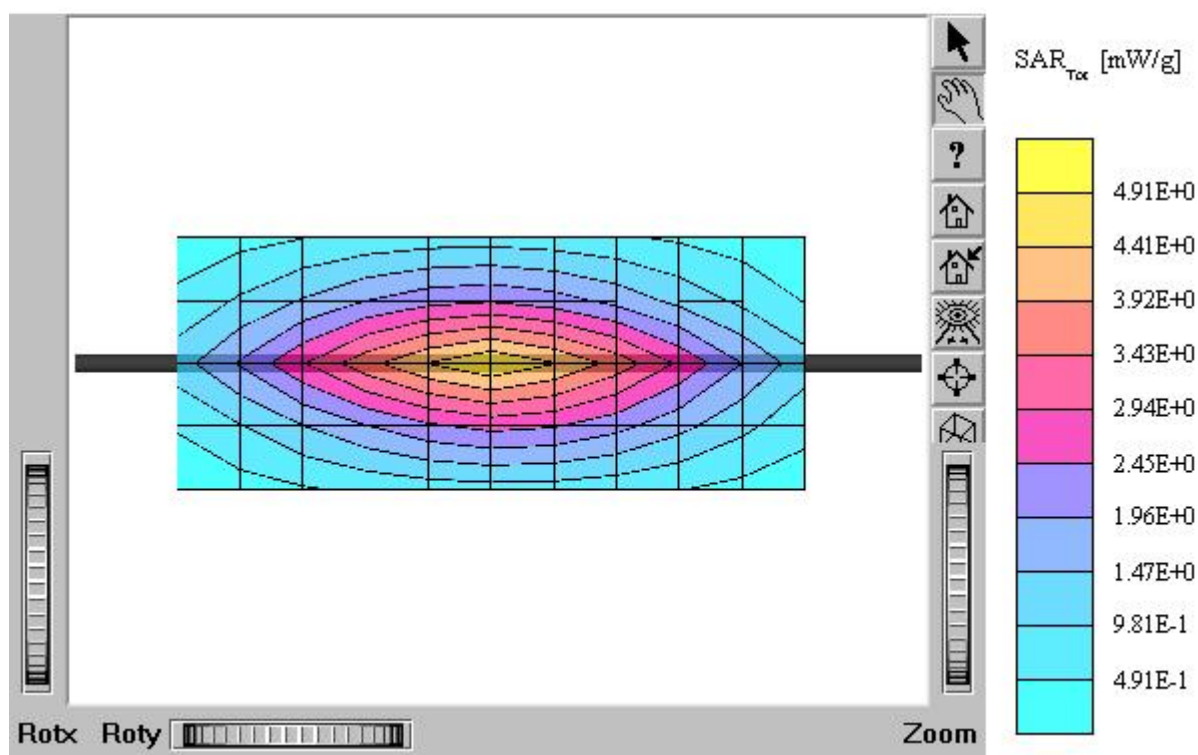
450MHz Brain

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

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## Comment:

Dipole Validation (D450V2/ S.N: 1007)

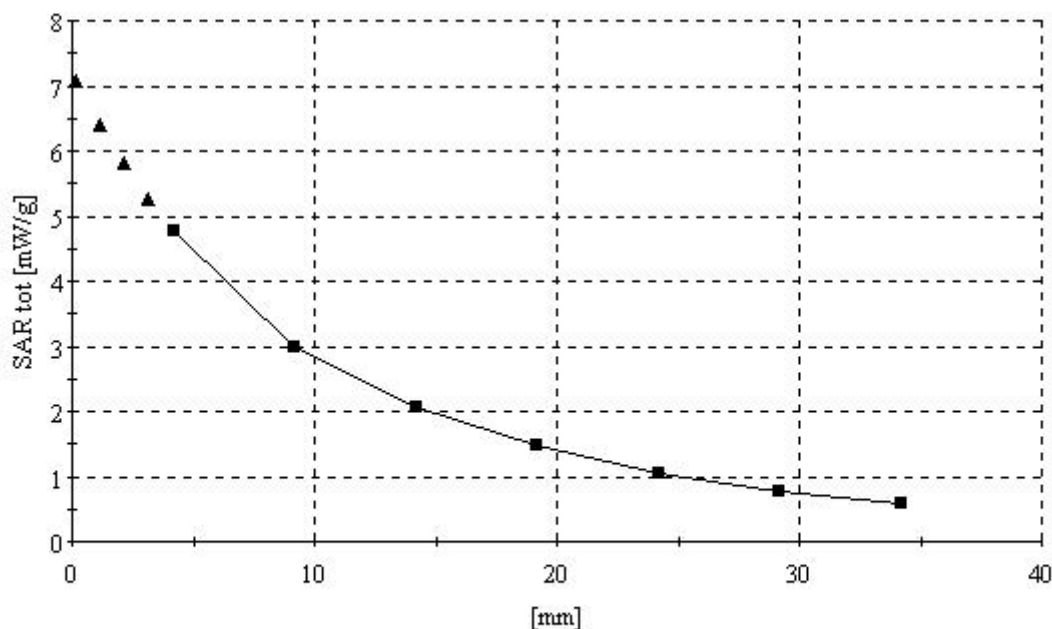
450MHz Brain

Antenna Input Power: 30dBm (1 W)

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# Title : HL-10U2

## SubTitle : 450 MHz Brain

November 23, 2004 08:33 AM

| 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

November 23, 2004 09:11 AM

| 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 |