

APPENDIX D – DIPOLE VALIDATION PLOTS

Dipole 450 MHz

SAM 1 Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1798; ConvF(7.72,7.72,7.72); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 44.5$ $\rho = 1.00$ g/cm³

Cubes (2): SAR (1g): 4.92 mW/g ± 0.00 dB, SAR (10g): 3.21 mW/g ± 0.01 dB

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

Peak: 7.88 mW/g ± 0.01 dB; Powerdrift: -0.07 dB

Comment :

Dipole Validation (D450V2/ S.N: 1007)

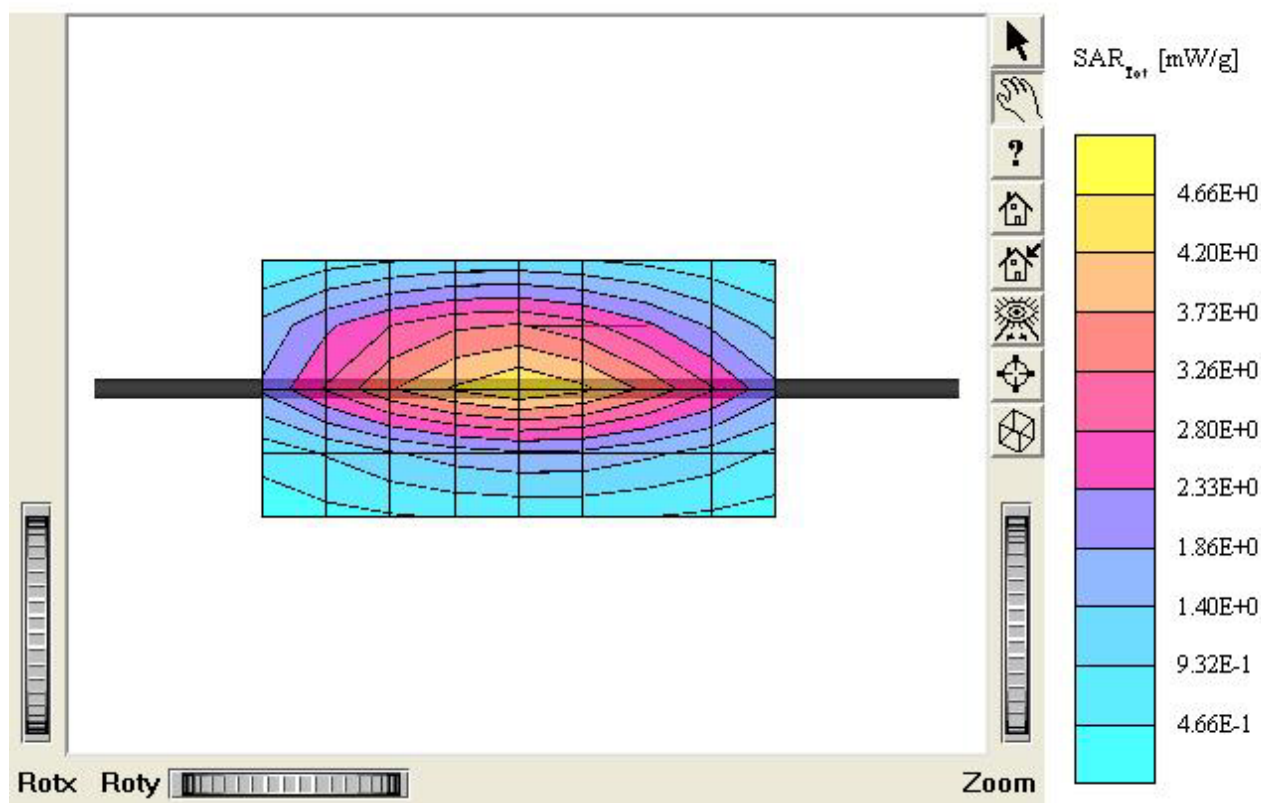
450MHz Head

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature: 21.6 °C

Date Tested: November 2, 2005



Dipole 450 MHz

SAM I Phantom; Section; Position: ; Frequency: 450 MHz

Probe: ET3DV6 - SN1798; ConvF(7.72,7.72,7.72); Crest factor: 1.0; Head 450 MHz: $\sigma = 0.85 \text{ mho/m}$ $\epsilon_r = 44.5$ $\rho = 1.00 \text{ g/cm}^3$

Z-Axis: $D_x = 0.0$, $D_y = 0.0$, $D_z = 5.0$

Comment :

Dipole Validation (D450V2/ S.N: 1007)

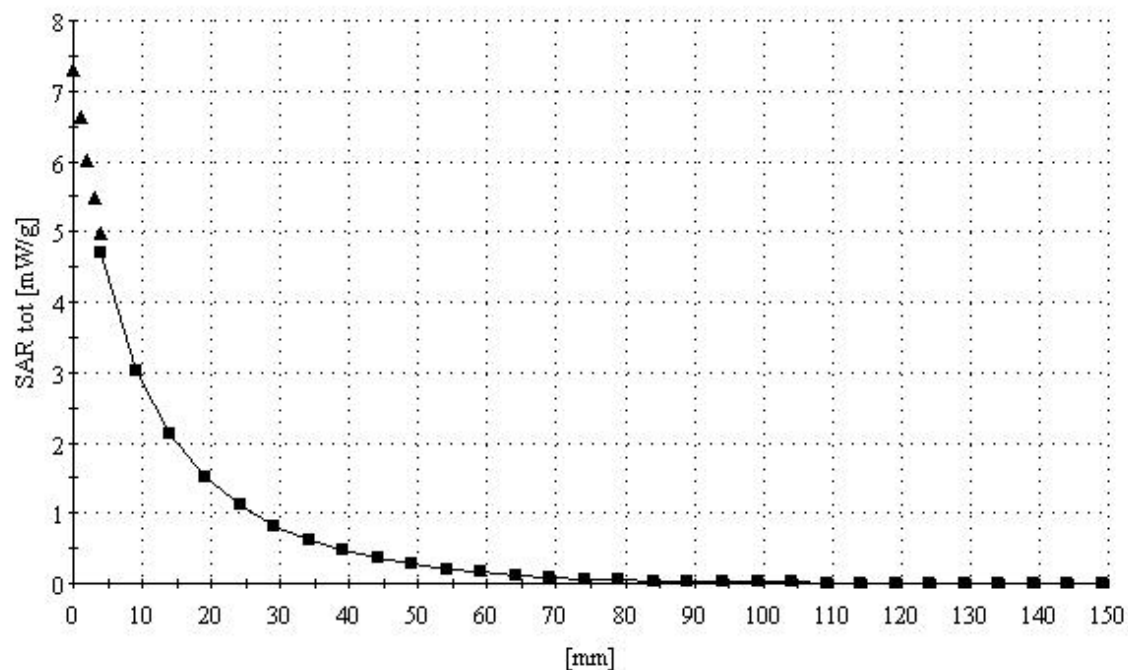
450MHz Head

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature: 21.6 °C

Date Tested: November 2, 2005



Title : SP 6402

SubTitle : CDMA 450 HEAD

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Frequency	e'	e''
400.000000 MHz	45.5115	36.4427
405.000000 MHz	45.4011	36.2569
410.000000 MHz	45.4219	35.9030
415.000000 MHz	45.1838	35.7166
420.000000 MHz	45.1018	35.4021
425.000000 MHz	45.0338	35.1716
430.000000 MHz	44.8827	34.9003
435.000000 MHz	44.6688	34.7033
440.000000 MHz	44.5979	34.4125
445.000000 MHz	44.5095	34.2443
450.000000 MHz	44.4544	34.0371
455.000000 MHz	44.3129	33.9779
460.000000 MHz	44.2595	33.7593
465.000000 MHz	44.1456	33.6096
470.000000 MHz	43.9908	33.4700
475.000000 MHz	43.9787	33.3101
480.000000 MHz	43.9331	33.1058
485.000000 MHz	43.8323	32.9847
490.000000 MHz	43.7622	32.8263
495.000000 MHz	43.7131	32.5815
500.000000 MHz	43.7155	32.4346

Title : SP 6402

SubTitle : CDMA 450 BODY

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Frequency	e'	e''
400.000000 MHz	56.3070	40.4171
405.000000 MHz	56.1769	40.1319
410.000000 MHz	56.1627	39.7803
415.000000 MHz	56.0771	39.4905
420.000000 MHz	55.9348	39.1055
425.000000 MHz	55.8059	38.8883
430.000000 MHz	55.7975	38.5534
435.000000 MHz	55.6785	38.3649
440.000000 MHz	55.5303	38.0104
445.000000 MHz	55.4225	37.7526
450.000000 MHz	55.3804	37.5258
455.000000 MHz	55.3437	37.2263
460.000000 MHz	55.2834	37.0876
465.000000 MHz	55.1875	36.8565
470.000000 MHz	55.0826	36.7517
475.000000 MHz	54.9048	36.5457
480.000000 MHz	54.7808	36.2338
485.000000 MHz	54.7634	35.9953
490.000000 MHz	54.6790	35.7752
495.000000 MHz	54.5561	35.5323
500.000000 MHz	54.5837	35.3314