

ATTACHMENT Q – DIPOLE VALIDATION

■ Validation Data (835MHz Head)

Dipole 835 MHz

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1609; ConvF(6.63,6.63,6.63); Crest factor: 1.0; Head 835 MHz: $\sigma = 0.88 \text{ mho/m}$, $\epsilon_r = 42.1$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 10.1 mW/g, SAR (10g): 6.56 mW/g

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

Powerdrift: -0.01 dB

Comment :

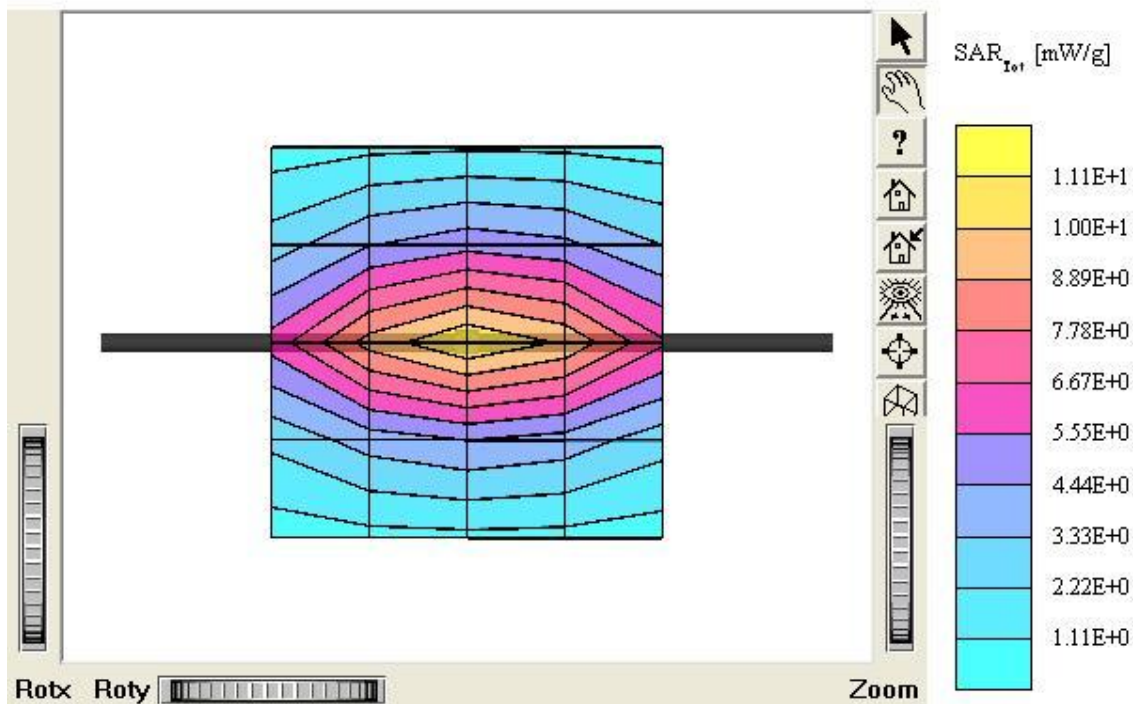
835MHz Brain Dipole Validation (D835V2/ S.N: 441)

Antenna Input Power: 30 dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.8°C

Date Tested : August 26, 2005



Dipole 835 MHz

SAM I Phantom; Section; Position: ; Frequency: 835 MHz

Probe: ET3DV6 - SN1609; ConvF(6.63,6.63,6.63); Crest factor: 1.0; Head 835 MHz: $\sigma = 0.88 \text{ mho/m}$ $\epsilon_r = 42.1$ $\rho = 1.00 \text{ g/cm}^3$

:

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment :

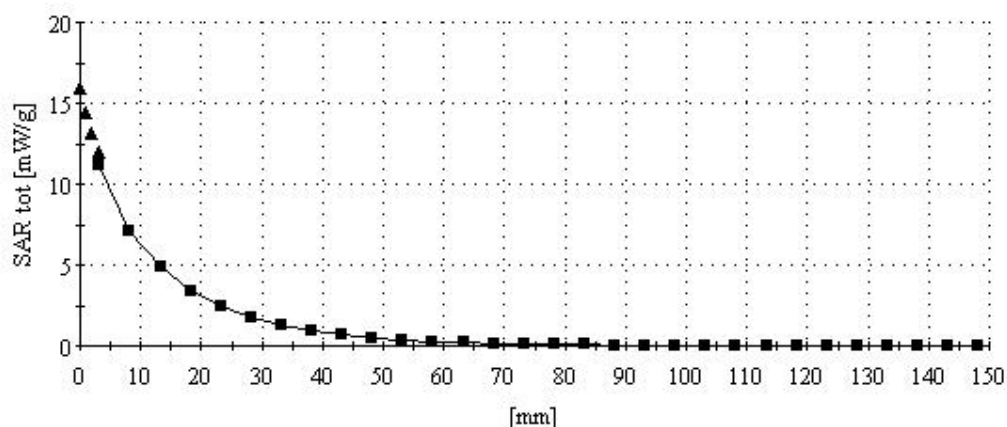
835MHz Brain Dipole Validation (D835V2/ S.N: 441)

Antenna Input Power: 30 dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.8°C

Date Tested : August 26, 2005



■ Dielectric Parameter (835MHz Head)

Title : D1000
SubTitle : CDMA HEAD
August 26, 2005 09:12 AM

Frequency	e'	e''
800.000000 MHz	42.6106	19.0402
805.000000 MHz	42.5453	19.0177
810.000000 MHz	42.4893	19.0253
815.000000 MHz	42.4571	19.0370
820.000000 MHz	42.3652	18.9854
825.000000 MHz	42.3123	18.9926
830.000000 MHz	42.1865	18.9624
835.000000 MHz	42.0927	19.0027
840.000000 MHz	42.0405	18.9265
845.000000 MHz	41.9520	18.9031
850.000000 MHz	41.8743	18.8772
855.000000 MHz	41.7542	18.8434
860.000000 MHz	41.7505	18.8177
865.000000 MHz	41.6559	18.8287
870.000000 MHz	41.5638	18.8088
875.000000 MHz	41.3903	18.7829
880.000000 MHz	41.3949	18.7408
885.000000 MHz	41.2539	18.8320
890.000000 MHz	41.1843	18.7872
895.000000 MHz	41.1010	18.7768
900.000000 MHz	41.0814	18.7775

■ Dielectric Parameter (835MHz Head)

Title : D1000
SubTitle : CDMA BODY
 August 26, 2005 01:56 PM

Frequency	e'	e''
800.000000 MHz	53.8208	20.6370
805.000000 MHz	53.7156	20.5852
810.000000 MHz	53.6630	20.5830
815.000000 MHz	53.6349	20.5833
820.000000 MHz	53.6179	20.5963
825.000000 MHz	53.5498	20.5721
830.000000 MHz	53.5602	20.6245
835.000000 MHz	53.4579	20.6512
840.000000 MHz	53.4407	20.6362
845.000000 MHz	53.4583	20.6845
850.000000 MHz	53.4338	20.7042
855.000000 MHz	53.3690	20.6414
860.000000 MHz	53.3982	20.6841
865.000000 MHz	53.3479	20.6272
870.000000 MHz	53.3080	20.6523
875.000000 MHz	53.2201	20.6317
880.000000 MHz	53.1832	20.6027
885.000000 MHz	53.1363	20.5041
890.000000 MHz	53.0619	20.4693
895.000000 MHz	52.9687	20.3694
900.000000 MHz	52.8949	20.3982