

ATTACHMENT Q – DIPOLE VALIDATION

■ Validation Data (835MHz Head)

Dipole 835 MHz

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

Probe: ET3DV6 - SN1798; ConvF(6.79,6.79,6.79); Crest factor: 1.0; Brain 835 MHz: $\sigma = 0.88$ mho/m $\epsilon_r = 41.9$ $\rho = 1.00$ g/cm³

Cubes (2): SAR(1g): 10.0 mW/g ± 0.17 dB, SAR(10g): 6.39 mW/g ± 0.17 dB

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

Powerdrift: -0.04 dB

Comment :

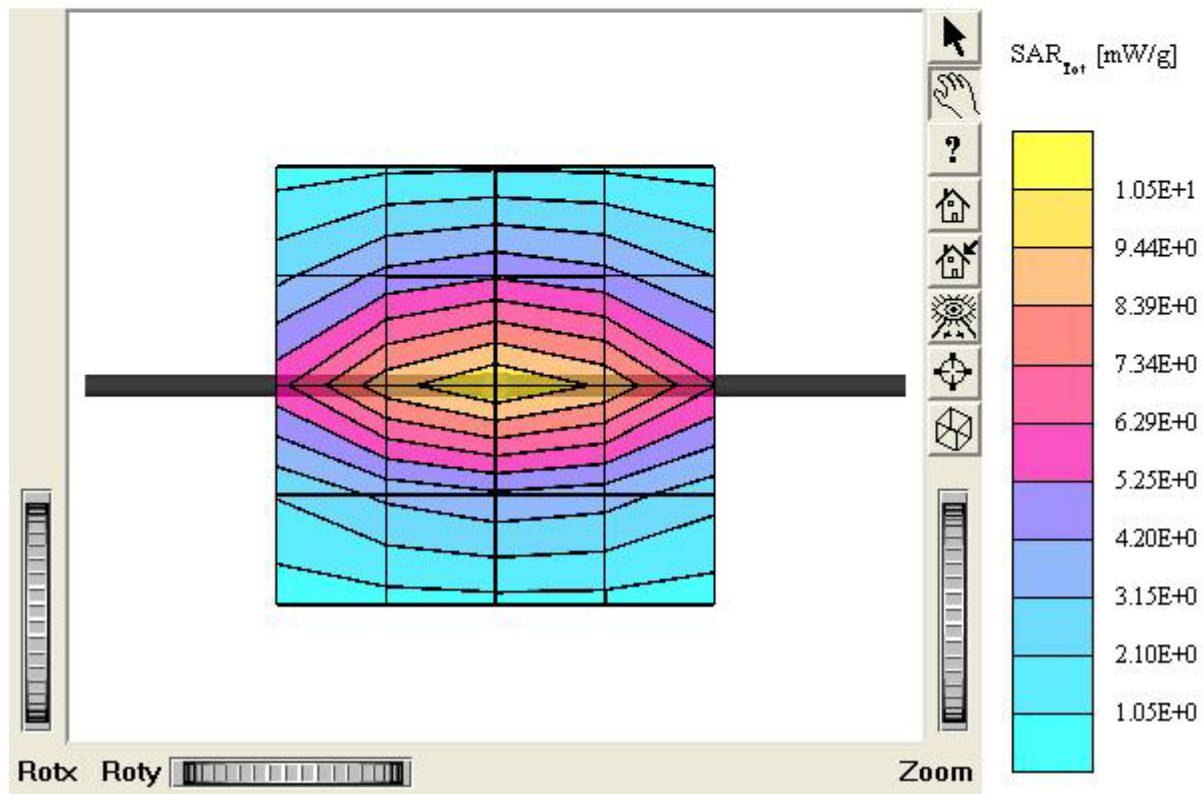
835MHz Brain Dipole Validation (D835V2/ S.N: 441)

Antenna Input Power : 30 dBm (1W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.7 °C

Date Tested : August 10, 2004



Dipole 835 MHz

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

Probe: ET3DV6 - SN1798; ConvF(6.79,6.79,6.79); Crest factor: 1.0; Brain 835 MHz: $\sigma = 0.88$ mho/m $\epsilon_r = 41.9$ $\rho = 1.00$ g/cm³

:

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

Comment :

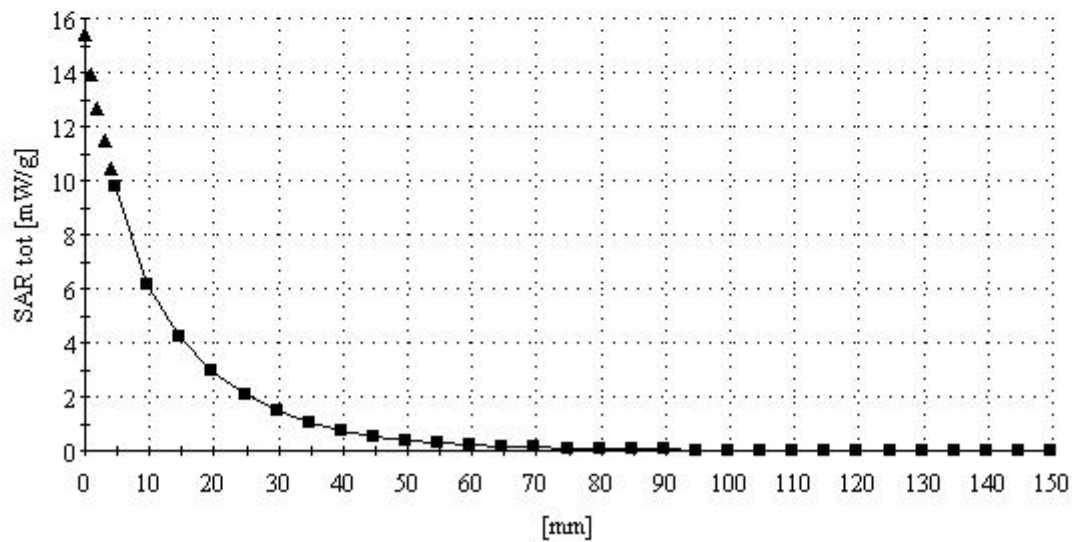
835MHz Brain Dipole Validation (D835V2/ S.N: 441)

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■ Dielectric Parameter (835MHz Head)

Title : AXW-L800**SubTitle : CDMA Head**

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Frequency	e'	e''
800.000000 MHz	42.5886	19.0789
805.000000 MHz	42.5234	19.0562
810.000000 MHz	42.3976	19.0831
815.000000 MHz	42.3377	19.0704
820.000000 MHz	42.2430	19.0250
825.000000 MHz	42.1240	19.0402
830.000000 MHz	42.0563	19.0625
835.000000 MHz	41.9148	19.0425
840.000000 MHz	41.8414	19.0354
845.000000 MHz	41.7293	18.9979
850.000000 MHz	41.6953	19.0113
855.000000 MHz	41.5952	18.9715
860.000000 MHz	41.5886	18.9670
865.000000 MHz	41.4828	18.9708
870.000000 MHz	41.4373	18.9676
875.000000 MHz	41.3258	18.9432
880.000000 MHz	41.3213	18.9184
885.000000 MHz	41.1999	18.9381
890.000000 MHz	41.1380	18.9006
895.000000 MHz	41.1108	18.8434
900.000000 MHz	41.0459	18.8573

■ Dielectric Parameter (835MHz Body)

Title : AXW-L800**SubTitle : CDMA Body**

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Frequency	e'	e''
800.000000 MHz	54.4610	21.0366
805.000000 MHz	54.3025	20.9995
810.000000 MHz	54.3539	20.9449
815.000000 MHz	54.3103	20.9693
820.000000 MHz	54.2643	20.9216
825.000000 MHz	54.1892	20.9294
830.000000 MHz	54.1688	20.9009
835.000000 MHz	54.0992	20.9015
840.000000 MHz	54.0106	20.8764
845.000000 MHz	54.0215	20.8805
850.000000 MHz	53.9649	20.8768
855.000000 MHz	53.9023	20.8538
860.000000 MHz	53.8574	20.8461
865.000000 MHz	53.8073	20.7652
870.000000 MHz	53.7504	20.8054
875.000000 MHz	53.6694	20.8066
880.000000 MHz	53.5965	20.7838
885.000000 MHz	53.5810	20.7288
890.000000 MHz	53.5151	20.7462
895.000000 MHz	53.4396	20.6679
900.000000 MHz	53.3787	20.6786