

ATTACHMENT C – DIPOLE VALIDATION

Validation Data (900MHz Brain)

Dipole 900 MHz

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 900 MHz

Probe: ET3DV6 - SN1798; ConvF(6.79,6.79,6.79); Crest factor: 1.0; Brain 900 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 41.4$ $\rho = 1.00$ g/cm³

Cubes (2): SAR(1g): 11.0 mW/g ± 0.01 dB, SAR(10g): 6.91 mW/g ± 0.01 dB

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

Peak: 17.7 mW/g ± 0.01 dB; Powerdrift: 0.02 dB

Comment :

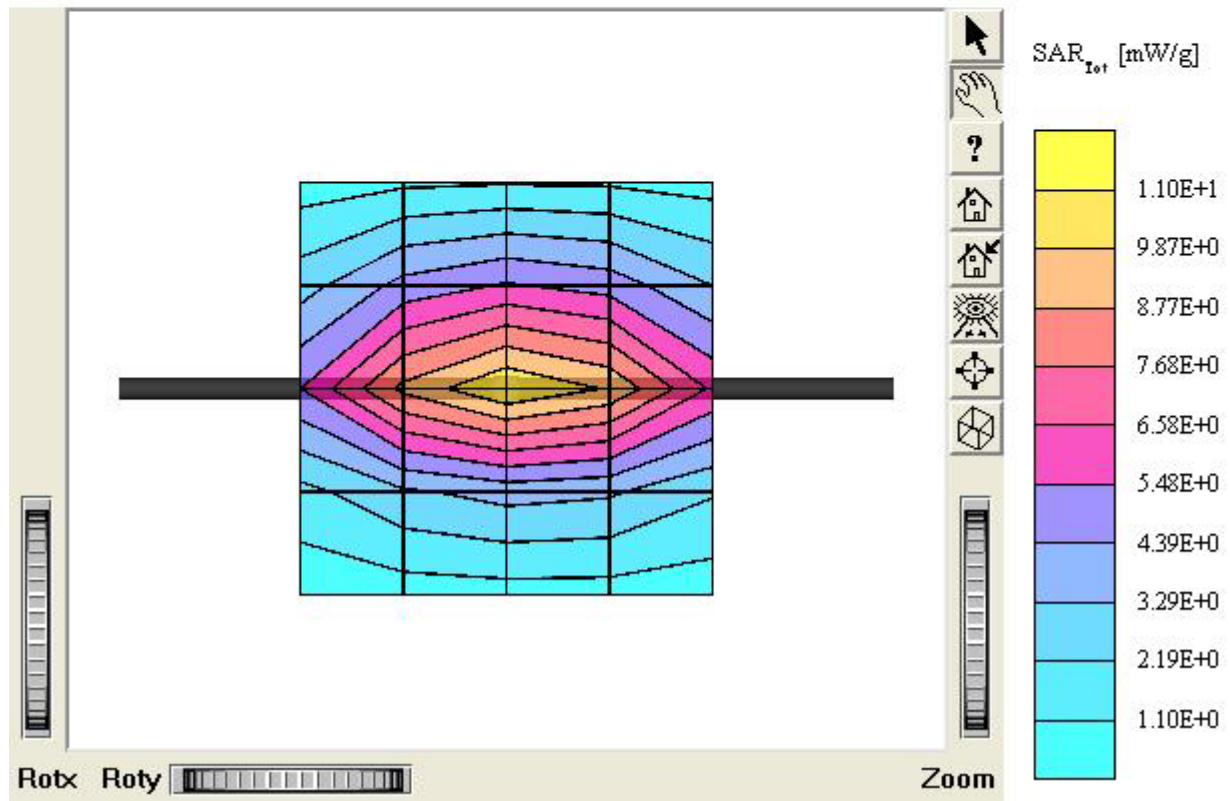
900 MHz Brain Dipole Validation

Antenna Input Power: 30 dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.3 °C

Date Tested : September 5, 2005



■ Validation Data (900 Brain- z)

Dipole 900 MHz

SAM I Phantom; Section; Position: ; Frequency: 900 MHz

Probe: ET3DV6 - SN1798; ConvF(6.79,6.79,6.79); Crest factor: 1.0; Brain 900 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 41.4$ $\rho = 1.00$ g/cm³

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

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Comment :

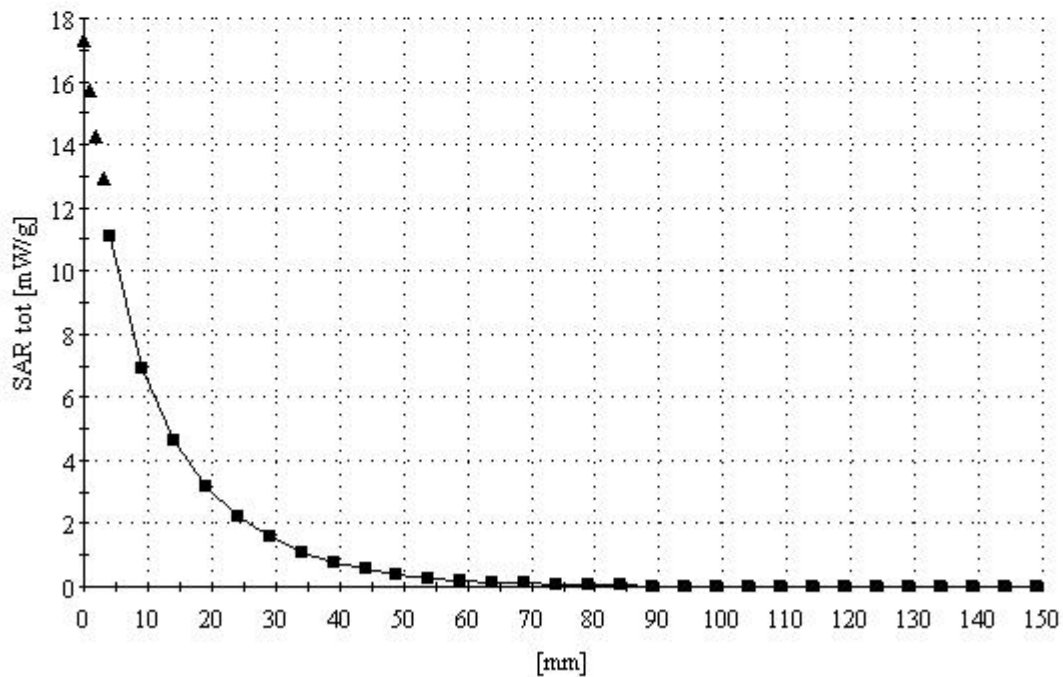
900 MHz Brain Dipole Validation

Antenna Input Power: 30 dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.3 °C

Date Tested : September 5, 2005



■ Dielectric Parameter (900 MHz Head)

Title : REH-1501**SubTitle : 900MHz Head**

September 05, 2005 09:04 AM

Frequency	e'	e''
850.000000 MHz	42.1595	19.1475
855.000000 MHz	42.0258	19.1053
860.000000 MHz	41.9873	19.0671
865.000000 MHz	41.9062	19.0214
870.000000 MHz	41.7998	19.0245
875.000000 MHz	41.7655	19.0269
880.000000 MHz	41.6656	19.0438
885.000000 MHz	41.5779	19.0121
890.000000 MHz	41.4934	19.0549
895.000000 MHz	41.4545	19.0293
900.000000 MHz	41.4027	19.0575
905.000000 MHz	41.3129	19.0871
910.000000 MHz	41.2675	19.0640
915.000000 MHz	41.2489	19.0624
920.000000 MHz	41.1924	19.0627
925.000000 MHz	41.1572	19.0663
930.000000 MHz	41.0854	19.0425
935.000000 MHz	41.0893	19.0583
940.000000 MHz	41.0210	19.0100
945.000000 MHz	40.9432	18.9749
950.000000 MHz	40.9188	18.9710

■ Dielectric Parameter (900 MHz Body)

Title : REH-1501**SubTitle : 900MHz Body**

September 05, 2005 11:01 AM

Frequency	e'	e''
850.000000 MHz	56.4431	20.6186
855.000000 MHz	56.4656	20.6200
860.000000 MHz	56.4324	20.5887
865.000000 MHz	56.4653	20.5853
870.000000 MHz	56.3832	20.6167
875.000000 MHz	56.3829	20.5936
880.000000 MHz	56.3704	20.5916
885.000000 MHz	56.2923	20.5574
890.000000 MHz	56.2578	20.5749
895.000000 MHz	56.1934	20.5040
900.000000 MHz	56.1486	20.4786
905.000000 MHz	56.0911	20.5215
910.000000 MHz	56.0459	20.4651
915.000000 MHz	55.9232	20.4208
920.000000 MHz	55.8970	20.4302
925.000000 MHz	55.8606	20.4128
930.000000 MHz	55.8212	20.3865
935.000000 MHz	55.7182	20.3773
940.000000 MHz	55.6345	20.3502
945.000000 MHz	55.5912	20.3672
950.000000 MHz	55.5190	20.3967