

Validation Data (835MHz Brain)

Dipole 835 MHz

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

Probe: ET3DV6 - SN1798; ConvF(6.60,6.60,6.60); Crest factor: 1.0; Brain 835 MHz: $\sigma = 0.89$

mho/m $\epsilon_r = 43.0$ $\rho = 1.00$ g/cm³

Cubes (2): SAR (1g): 10.1 mW/g ± 0.02 dB, SAR (10g): 6.41 mW/g ± 0.02 dB

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

Powerdrift: 0.01 dB

Comment:

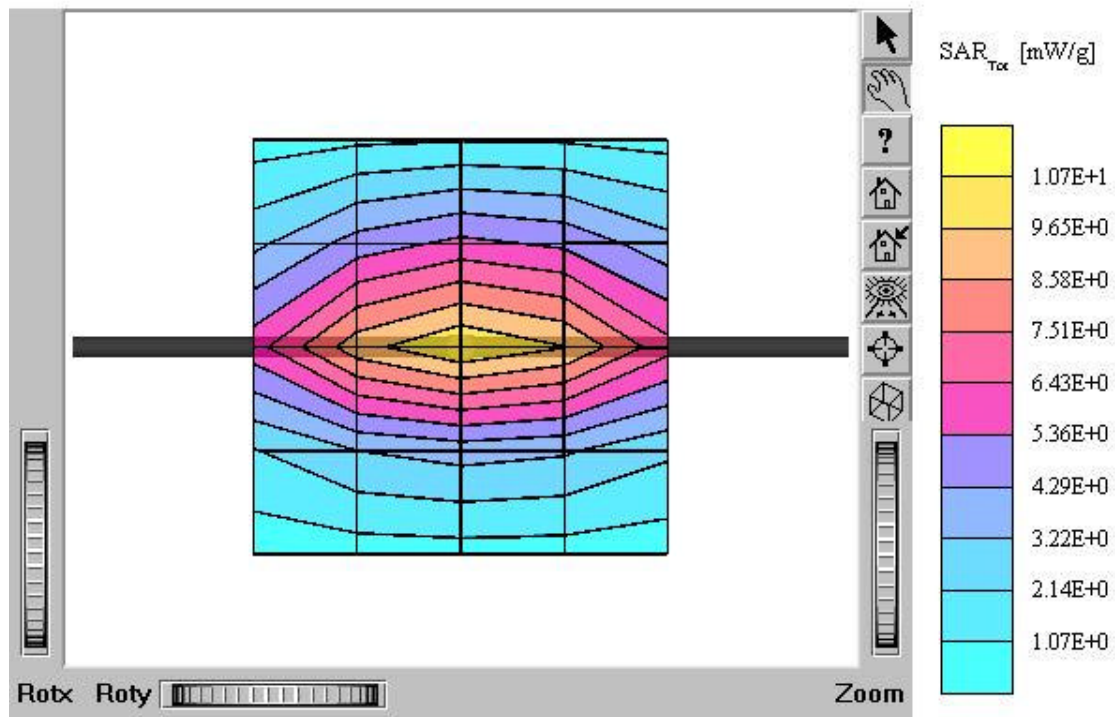
835MHz Brain Dipole Validation (D835V2/ S.N: 441)

Antenna Input Power : 30 dBm (1W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.5 °C

Date Tested : December 11, 2003



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Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:

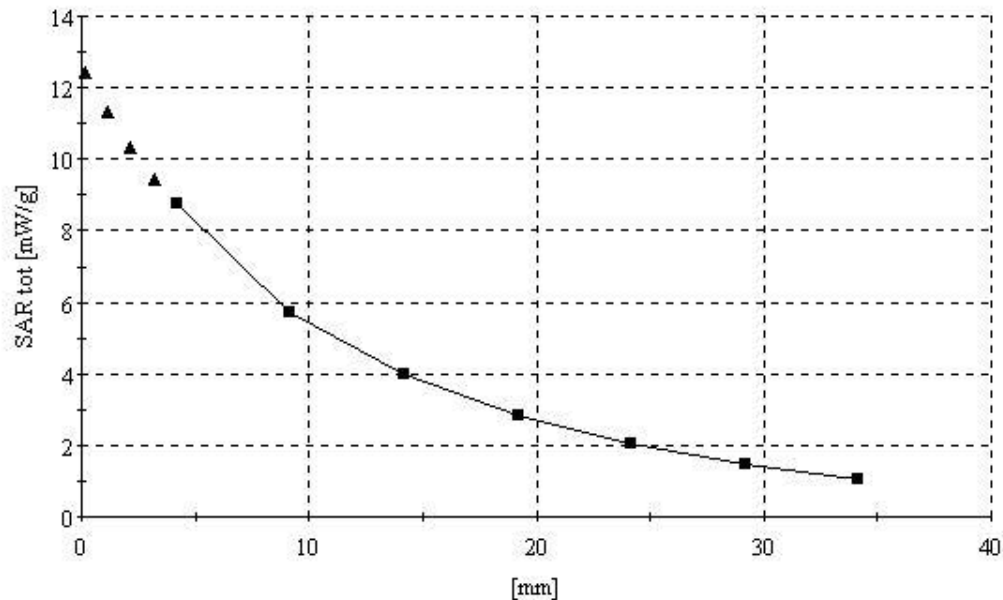
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Dielectric Parameter (835MHz Brain)**Title : WS-2100****SubTitle : 835 MHz Brain**

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Frequency	e'	e''
800.000000 MHz	43.4498	19.0793
805.000000 MHz	43.3984	19.0829
810.000000 MHz	43.3509	19.0963
815.000000 MHz	43.2163	19.1022
820.000000 MHz	43.1747	19.1087
825.000000 MHz	43.1164	19.1466
830.000000 MHz	43.0290	19.1344
835.000000 MHz	42.9492	19.1257
840.000000 MHz	42.9108	19.1473
845.000000 MHz	42.8485	19.1548
850.000000 MHz	42.8310	19.1700
855.000000 MHz	42.7420	19.1854
860.000000 MHz	42.7490	19.1726
865.000000 MHz	42.6800	19.1104
870.000000 MHz	42.6354	19.0928
875.000000 MHz	42.6271	19.1256
880.000000 MHz	42.6010	19.0975
885.000000 MHz	42.5447	19.0839
890.000000 MHz	42.4978	19.0325
895.000000 MHz	42.4385	19.0205
900.000000 MHz	42.3900	18.9756

Dielectric Parameter (835MHz Body)**Title : WS-2100****SubTitle : 835 MHz Body****November 20, 2003 09:46 AM**

Frequency	e'	e''
800.000000 MHz	54.4253	21.7106
805.000000 MHz	54.4313	21.7142
810.000000 MHz	54.3159	21.6928
815.000000 MHz	54.3228	21.6620
820.000000 MHz	54.2860	21.6021
825.000000 MHz	54.2657	21.5702
830.000000 MHz	54.2568	21.5677
835.000000 MHz	54.1612	21.5525
840.000000 MHz	54.1267	21.4602
845.000000 MHz	54.0601	21.4574
850.000000 MHz	54.0595	21.3646
855.000000 MHz	53.9579	21.3212
860.000000 MHz	53.8743	21.2934
865.000000 MHz	53.8216	21.2868
870.000000 MHz	53.7663	21.2706
875.000000 MHz	53.6999	21.2643
880.000000 MHz	53.6139	21.2870
885.000000 MHz	53.5758	21.2649
890.000000 MHz	53.4814	21.2860
895.000000 MHz	53.4463	21.2527
900.000000 MHz	53.4100	21.2411