

APPENDIX C – DIPOLE VALIDATION PLOTS

Dipole 900 MHz

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

Probe: ET3DV6 - SN1609; ConvF(6.62,6.62,6.62); Crest factor: 1.0; Brain 900 MHz: $\sigma = 0.95$

mho/m $\epsilon_r = 42.2$ $\rho = 1.00$ g/cm³

Cubes (2): SAR (1g): 11.5 mW/g ± 0.01 dB, SAR (10g): 7.17 mW/g ± 0.01 dB

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

Comment:

Dipole Validation (D900V2/ S.N: 062)

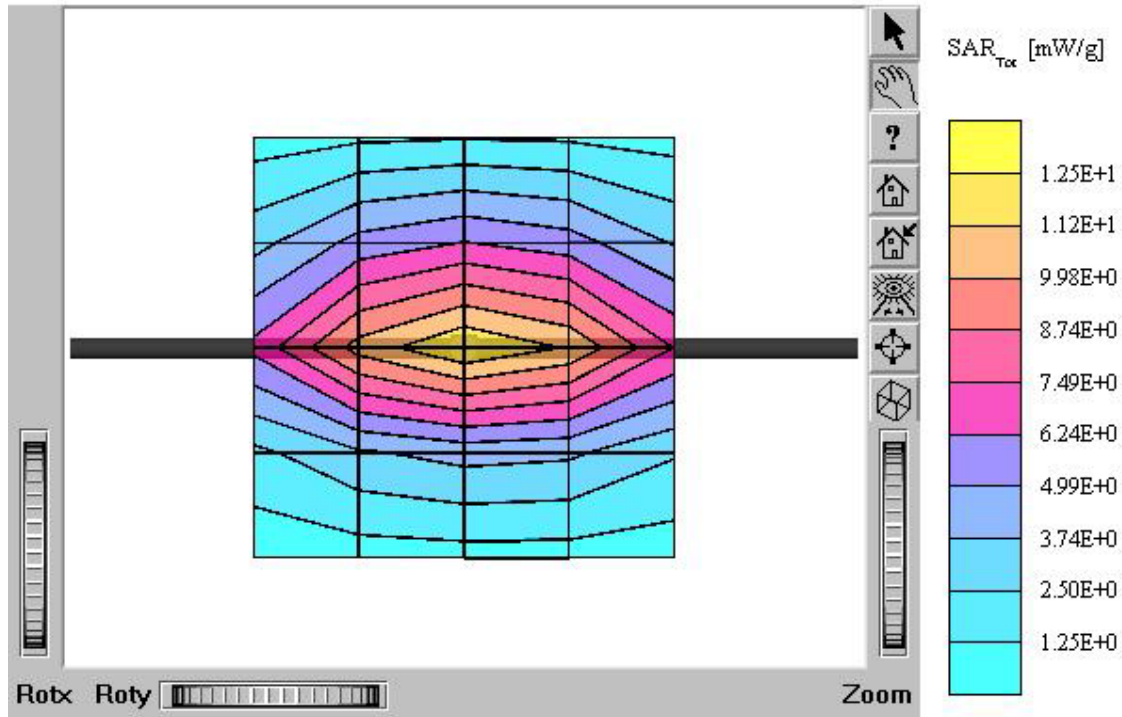
900MHz Brain

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.8 °C

Date Tested : May 8, 2004



Dipole 900 MHz

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

Probe: ET3DV6 - SN1609; ConvF(6.62,6.62,6.62); Crest factor: 1.0; Brain 900 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 42.2$ $\rho = 1.00$ g/cm³Cubes (2): SAR (1g): 11.5 mW/g ± 0.01 dB, SAR (10g): 7.17 mW/g ± 0.01 dB

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

Comment:

Dipole Validation (D900V2/ S.N: 062)

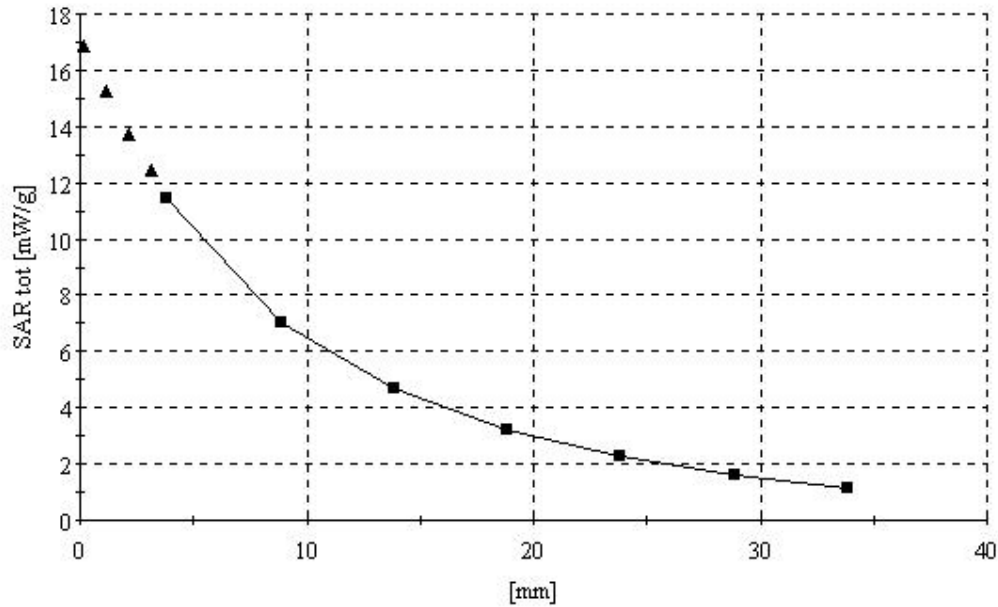
900MHz Brain

Antenna Input Power: 30dBm (1 W)

HCT Co., Ltd. Brain Tissue Simulating Liquid

Liquid Temperature : 21.8 °C

Date Tested : May 8, 2004



Title : ST900

SubTitle : 900 MHz Brain

May 09, 2004 09:39 AM

Frequency	e'	e''
850.000000 MHz	43.2170	19.2434
855.000000 MHz	43.1624	19.2059
860.000000 MHz	43.0840	19.1553
865.000000 MHz	42.9022	19.0646
870.000000 MHz	42.8837	19.0694
875.000000 MHz	42.7556	19.0462
880.000000 MHz	42.6620	18.9981
885.000000 MHz	42.5560	19.0049
890.000000 MHz	42.3901	18.9752
895.000000 MHz	42.2594	18.8260
900.000000 MHz	42.2176	18.8994
905.000000 MHz	42.1692	18.9152
910.000000 MHz	42.0636	18.9977
915.000000 MHz	42.0091	18.9710
920.000000 MHz	41.9893	19.0217
925.000000 MHz	41.9555	19.0716
930.000000 MHz	41.9280	19.1384
935.000000 MHz	41.8732	19.1459
940.000000 MHz	41.7939	19.1947
945.000000 MHz	41.7385	19.1641
950.000000 MHz	41.7282	19.1529

Title : ST900

SubTitle : 900 MHz Body

May 09, 2004 09:45 AM

Frequency	e'	e''
850.000000 MHz	55.9806	20.8096
855.000000 MHz	55.9063	20.7517
860.000000 MHz	55.8666	20.7244
865.000000 MHz	55.8894	20.7160
870.000000 MHz	55.7915	20.7550
875.000000 MHz	55.8018	20.6973
880.000000 MHz	55.7405	20.7272
885.000000 MHz	55.6969	20.6914
890.000000 MHz	55.6488	20.6948
895.000000 MHz	55.5860	20.6462
900.000000 MHz	55.5245	20.6502
905.000000 MHz	55.5053	20.6265
910.000000 MHz	55.4023	20.5748
915.000000 MHz	55.3210	20.5980
920.000000 MHz	55.2934	20.5474
925.000000 MHz	55.2547	20.5430
930.000000 MHz	55.2146	20.5085
935.000000 MHz	55.1243	20.5107
940.000000 MHz	55.1125	20.4903
945.000000 MHz	55.0067	20.4743
950.000000 MHz	54.9333	20.4956