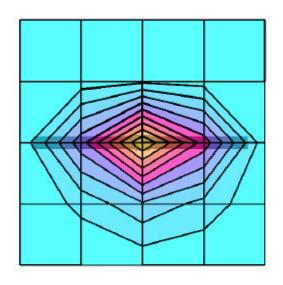
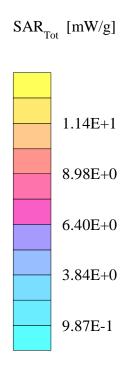
2450MHz Brain Dipole Validation

 $SAM~Phantom;~Flat~Section;~Probe:ET3DV6-SN1677;~ConvF(4.40,4.40,4.40) \\ Med.~Parameters~2450MHz~Brain:~\sigma=1.79~mho/m~\epsilon_{_{T}}=40.1~\rho=1.00~g/cm^3;~Antenna~Position~--~Out;~Crest~Factor~1.0~SAR~(1g):~13.2~mW/g,~SAR~(10g):~7.63~mW/g \\ \\$

2450MHz Brain Dipole Validation (D-2450S, S/N: 105)

Frequency: 2450MHz; Antenna Input Power: 250 [mW]; Ambient Temp. = 22.1°C / Meas. Tissue Temp. = 22.1°C PCTEST Brain Tissue Simulating Liquid [07/31/2002]







12. SYSTEM VERIFICATION

Tissue Verification

Table 12.1 Simulated Tissue Verification [5]

MEASURED TISSUE PARAMETERS									
Date(s)	07/31/02	1900N	1Hz Brain	1900MHz Muscle		2450MHz Brain		2450MHz Muscle	
Liquid Temperature (°C)	22.1	Target	Measured	Target	Measured	Target	Measured	Target	Measured
Dielectric Constant: ε		40.00	N/A	53.30	N/A	39.20	40.89	52.70	53.60
Conductivity: σ		1.400	N/A	1.520	N/A	1.80	1.410	1.95	1.960

Test System Validation

Prior to assessment, the system is verified to the $\pm 10\%$ of the specifications at 835MHz and 1900MHz by using the system validation kit(s). (Graphic Plots Attached)

Table 12.2 System Validation [5]

SYSTEM DIPOLE VALIDATION TARGET & MEASURED							
System Validation Kit:	1900MHz	Targeted SAR _{1g} (mW/g)	Measured SAR _{1g} (mW/g)	Deviation (%)			
D-1900V2, S/N: 502	Brain	9.925	10.48	+ 5.58			
System Validation Kit:	2450MHz	Targeted SAR _{1g} (mW/g)	Measured SAR _{1g} (mW/g)	Deviation (%)			
D-2450S, S/N: 105	Brain	13.100	13.2	+ 0.76			

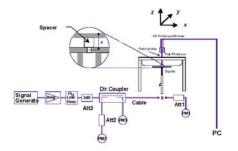




Figure 12.1 Dipole Validation Test Setup

PCTEST™ SAR REPORT	PCTEST	FCC CERTIFICATION	symbol	Reviewed by: Quality Manager
SAR Filename:	Test Dates:	EUT Type:	FCC ID:	Page 16 of 21
SAR-220701342.H9P	July 30-31, 2002	Portable Data Terminal	H9PPDT28C6	