

12 SYSTEM VERIFICATION – per NEW FCC Lab Probe Cal. Procedure

12.1 Tissue Verification – per FCC Lab SAR Probe Calibration and Systems Verification (Nov. 2006)

**Table 12-1
Measured Tissue Properties**

Calibrated Date:	11/16/06		Deviation (%)	11/16/06		Deviation (%)
	615MHz Brain			615MHz Muscle		
	Target	Measured	Deviation	Target	Measured	Deviation
Dielectric Constant	42.64	43.14	1.17%	41.50	40.44	2.55%
Conductivity	0.880	0.870	1.14%	0.900	0.900	0.00%

12.2 Test System Verification (Method B) - per FCC Lab SAR Probe Calibration and Systems Verification (Nov. 2006)

Prior to assessment, the system is verified to $\pm 10\%$ of the specifications at 615MHz by using the system validation kit(s). (Graphic Plots Attached)

**Table 12-2
System Verification Results**

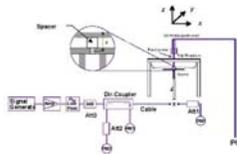
System Verification TARGET & MEASURED							
Date:	Amb. Temp (?C)	Liquid Temp(?C)	Input Power (W)	Tissue Frequency (Mhz)	Targeted SAR _{1g} (mW)	Measured SAR _{1g} (mW)	Deviation (%)
11/16/06	23.6	21.2	0.250	615MHz Brain	2.375	2.310	-2.73%

**Table 12-3
Standard Deviation Measurements**

Number of Measurement	Measured SAR (mW/g)	Deviation (%)	Spec
#1	0.504	0.00	< 2.0 %
#2	0.506	0.40	< 2.0 %
#3	0.503	-0.20	< 2.0 %
#4	0.504	0.00	< 2.0 %
#5	0.503	-0.20	< 2.0 %

**Table 12-4
Standard Deviation Summary**

Average SAR (mW/g) A	Standard Deviation B	B/A	Spec
0.504	0.001	0.002	< 2.0 %



**Figure 12-1
System Verification Setup Diagram**



**Figure 12-2
System Verification Setup Photo**

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SAR Filename: 0611030975-R1	Test Dates: November 16, 2006	EUT Type: UHF Synthesized Transmitter		Page 16 of 22