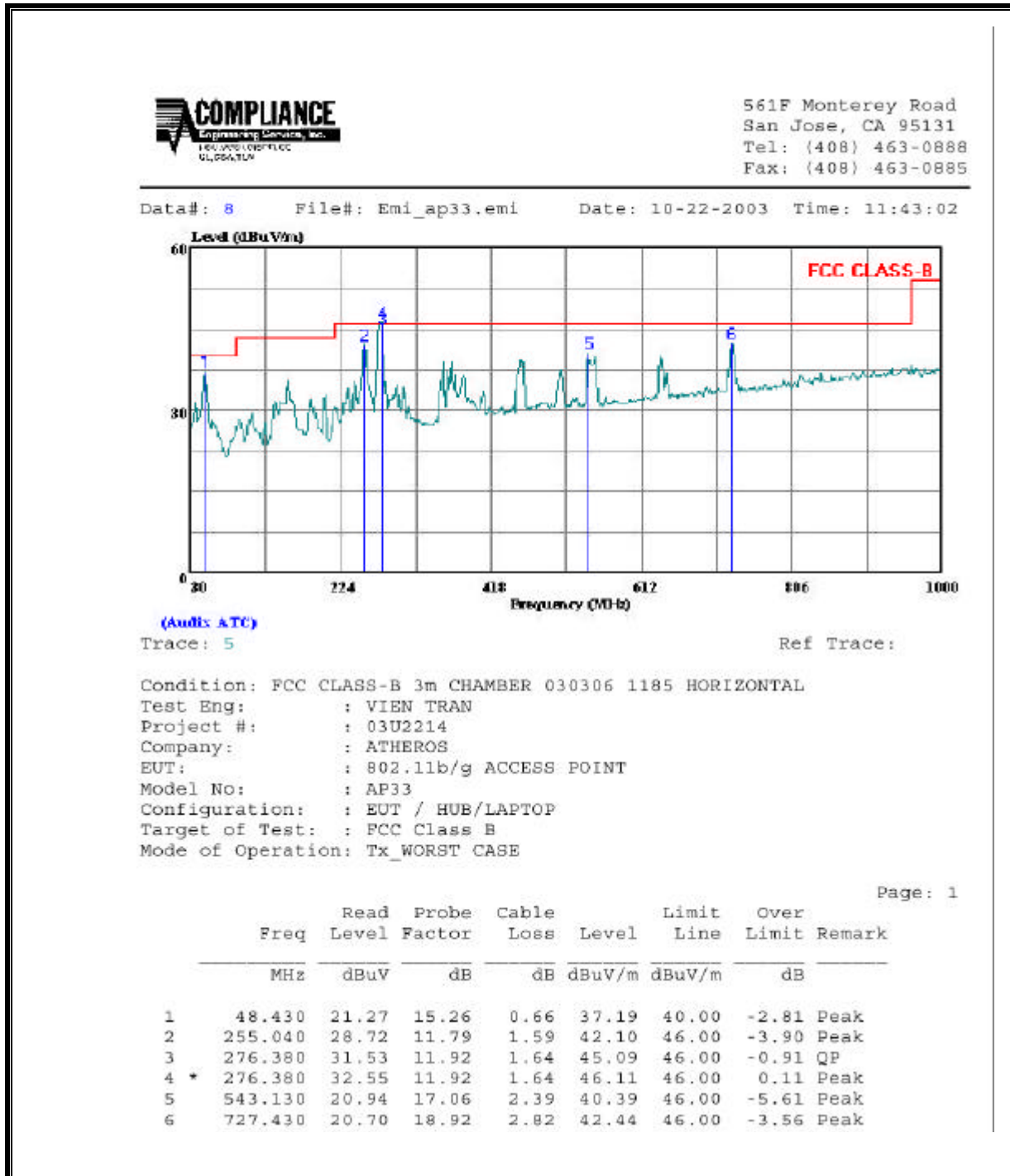
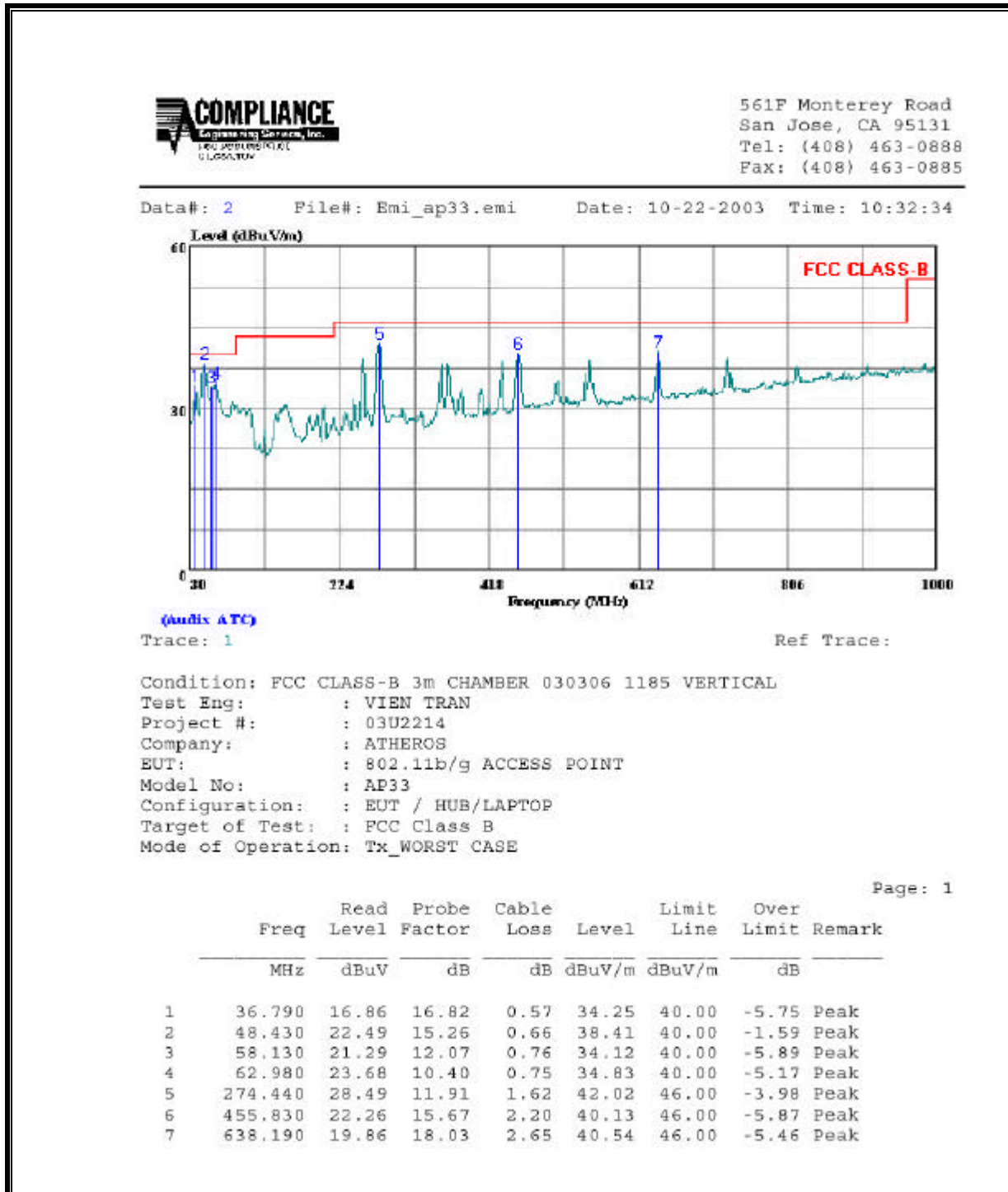


7.8.3. RADIATED EMISSIONS BELOW 1 GHZ

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)



7.9. POWERLINE CONDUCTED EMISSIONS

LIMIT

§15.207 (a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal.

The lower limit applies at the boundary between the frequency ranges.

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

The resolution bandwidth is set to 9 kHz for both peak detection and quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

No non-compliance noted:

6 WORST EMISSIONS

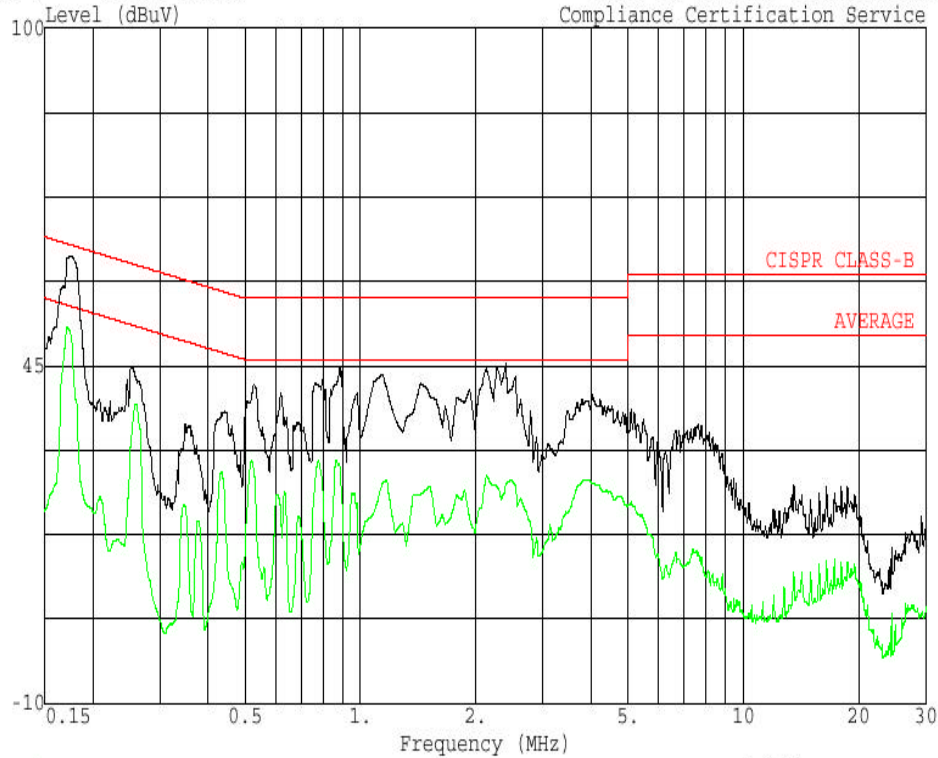
CONDUCTED EMISSIONS DATA (115VAC 60Hz)										
Freq. (MHz)	Reading			Class (dB)	Limit QP	FCC B		Margin		Remark L1 / L2
	PK (dBuV)	QP (dBuV)	AV (dBuV)			AV	QP (dB)	AV (dB)		
0.17	63.76	--	51.15	0.00	65.31	55.31	-1.55	-4.16	L1	
0.25	45.82	--	38.58	0.00	63.14	53.14	-17.32	-14.56	L1	
2.40	45.38	--	28.30	0.00	56.00	46.00	-10.62	-17.70	L1	
0.17	64.08	--	52.00	0.00	65.31	55.31	-1.23	-3.31	L2	
0.25	44.14	--	38.51	0.00	63.14	53.14	-19.00	-14.63	L2	
2.40	45.68	--	28.00	0.00	56.00	46.00	-10.32	-18.00	L2	
6 Worst Data										

LINE 1 RESULTS



561F Monterey Road,
San Jose, CA 95037 USA
Tel: (408) 463-0885
Fax: (408) 463-0888

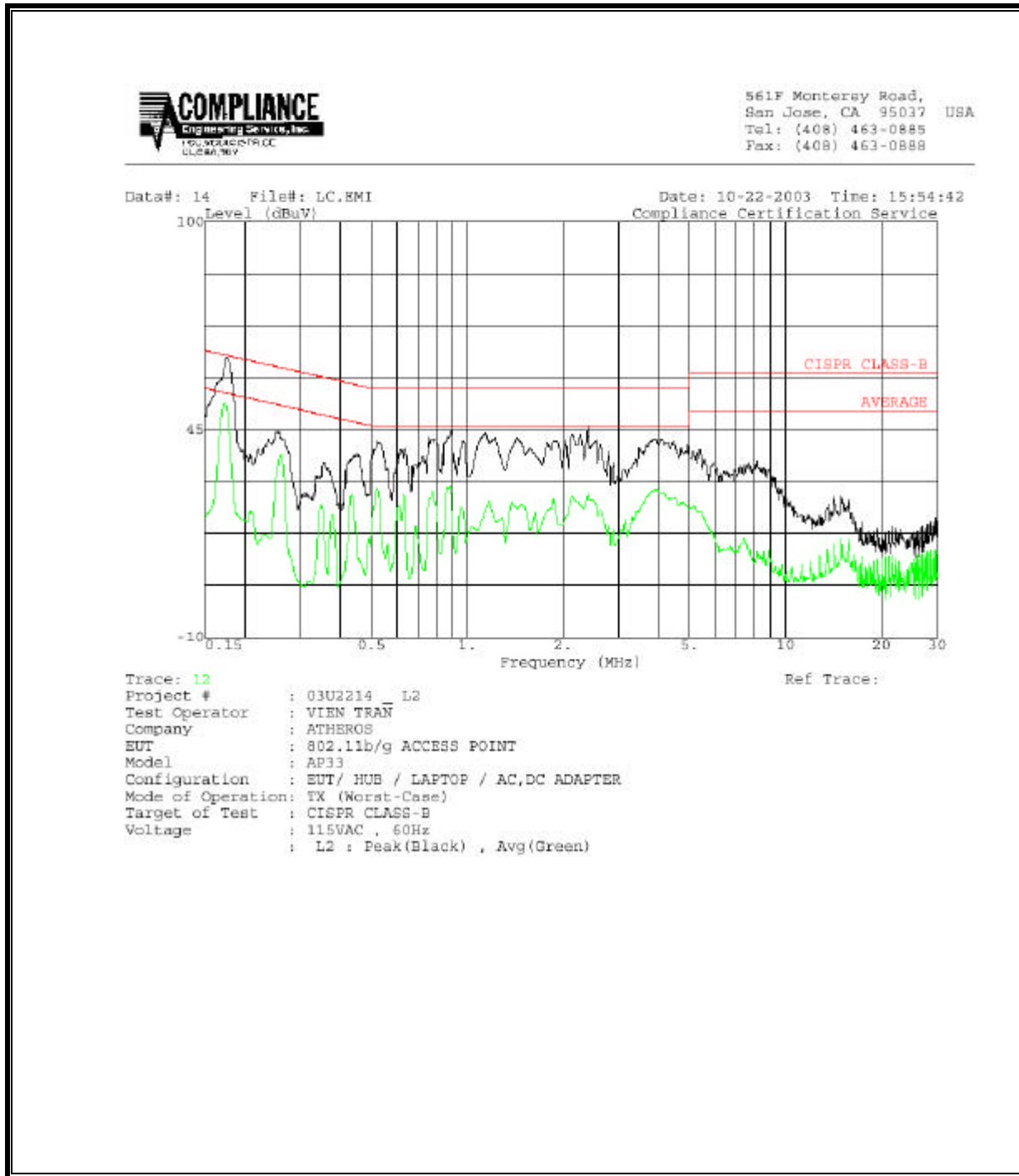
Data#: 7 File#: LC.EMI Date: 10-22-2003 Time: 15:26:09
Compliance Certification Service



Trace: 5
Project # : 03U2214
Test Operator : VIEN TRAN
Company : ATHEROS
EUT : 802.11b/g ACCESS POINT
Model : AP33
Configuration : EUT/ HUB / LAPTOP / AC,DC ADAPTER
Mode of Operation: TX (Worst-Case)
Target of Test : CISPR CLASS-B
Voltage : 115VAC , 60Hz
: L1 : Peak(Black) , Avg(Green)

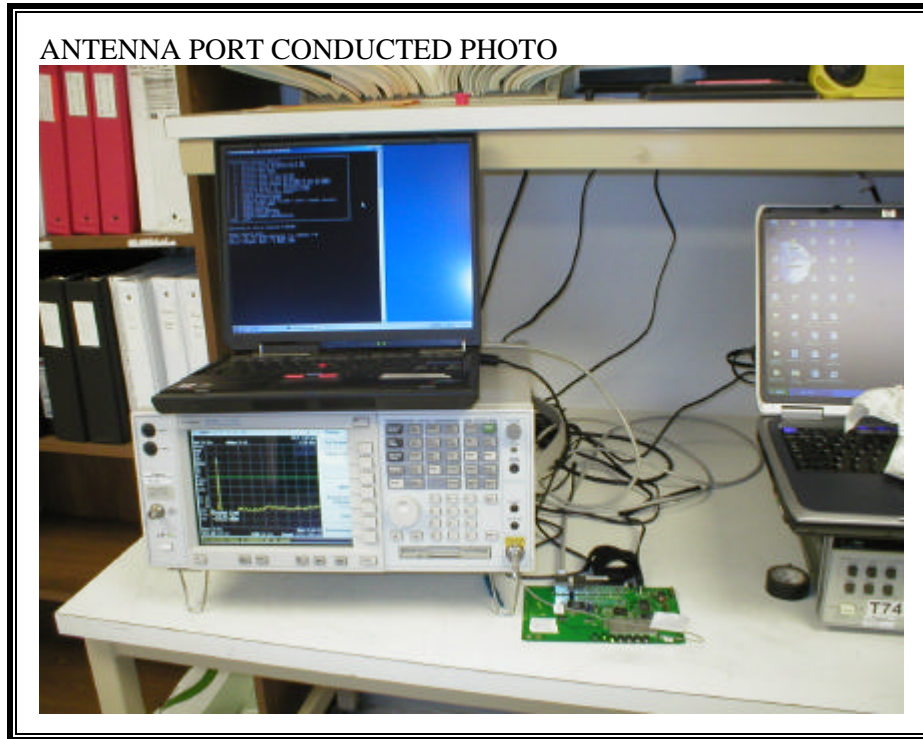
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LINE 2 RESULTS



8. SETUP PHOTOS

ANTENNA PORT CONDUCTED RF MEASUREMENT SETUP

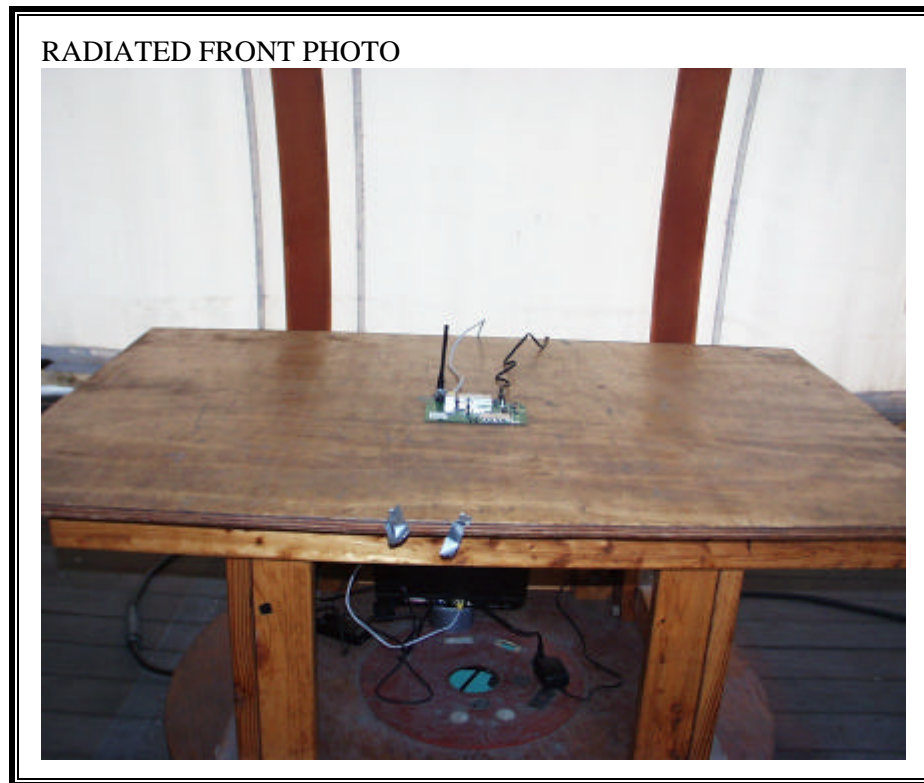


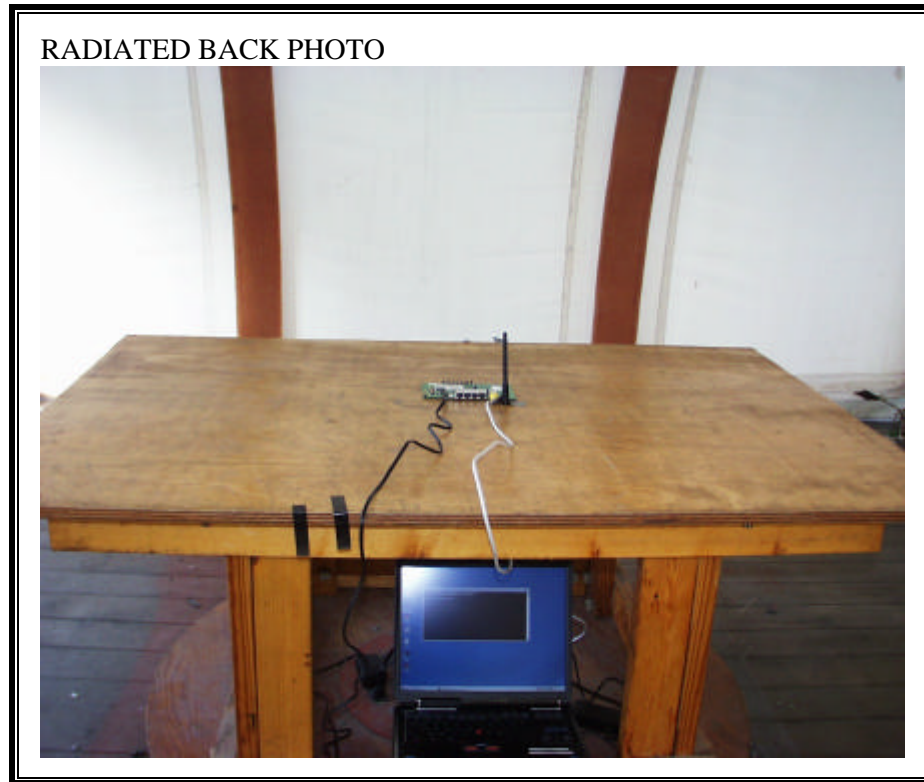
RADIATED RF MEASUREMENT SETUP (CONFIG. #1)



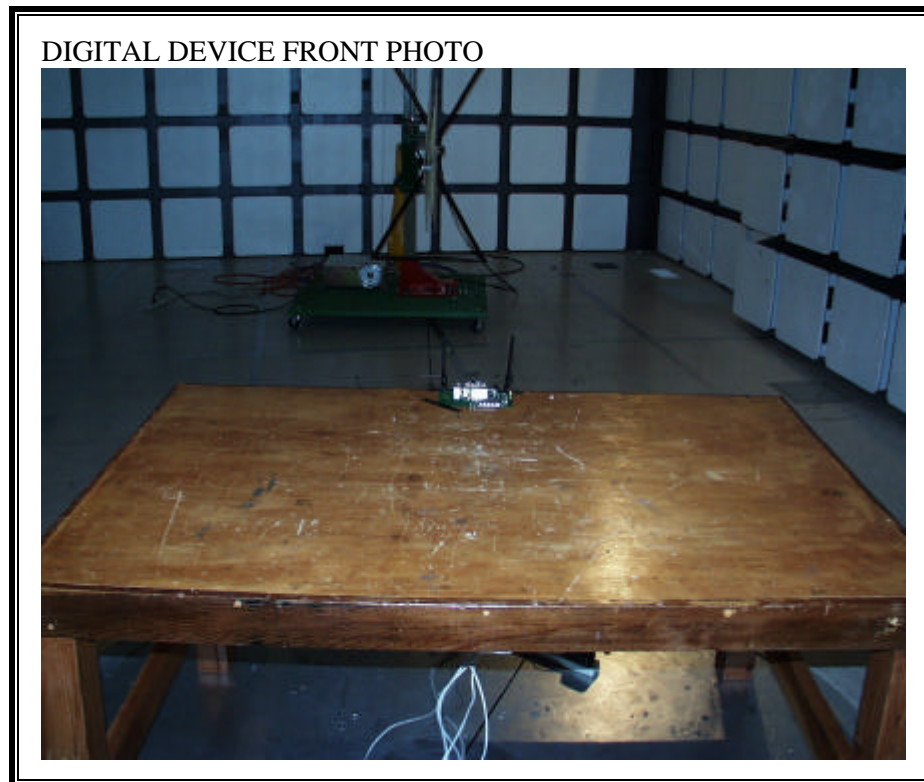


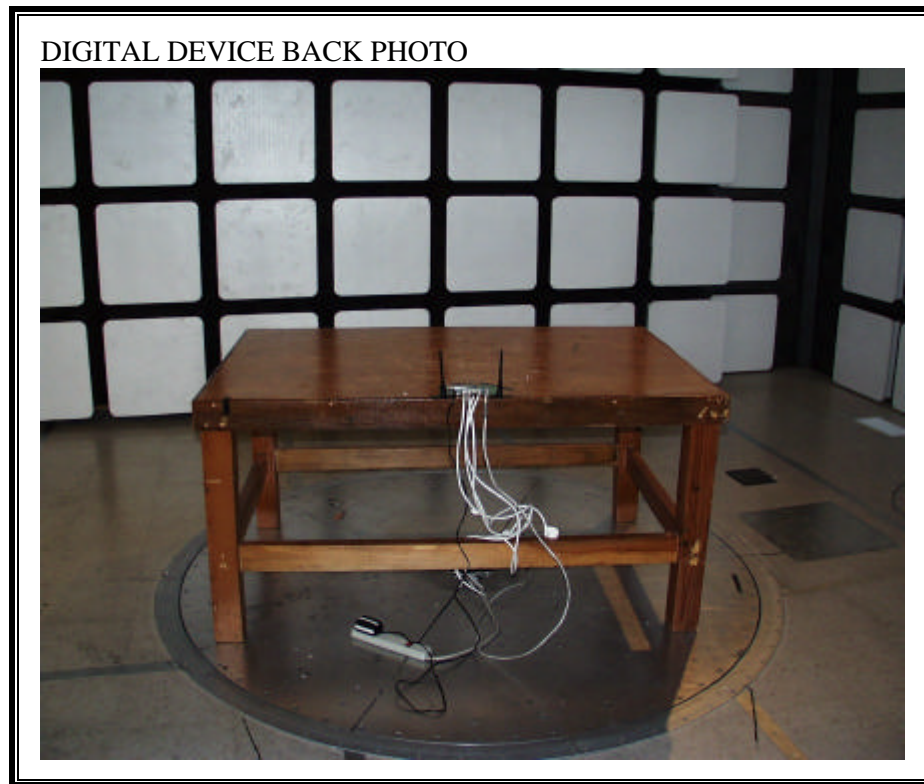
RADIATED RF MEASUREMENT SETUP (CONFIG. #2)





DIGITAL DEVICE RADIATED EMISSIONS SETUP (WORST CASE)





POWERLINE CONDUCTED EMISSIONS MEASUREMENT SETUP





END OF REPORT