

#### FCC CFR47 PART 15 DIGITAL DEVICE

#### TEST REPORT

#### **FOR**

#### IEEE 1394 INTEGRATED PCI HOST ADAPTER

**MODEL: F031-S6** 

FCC ID: LWHF031S6

**REPORT NUMBER: 00E8367** 

**ISSUE DATE: JUNE 14, 2000** 

Prepared for

LABWAY CORPORATION 7F, 150, JIAN YI ROAD, CHUNG HO CITY TAIPEI HSIEN, TAIWAN, R. O. C.

Prepared by

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# COMPLIANCE Engineering Services, Inc.

FCC, VCCI, CISPR, CE UL, CSA, TÜV, VDE

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BUREAU OF STANDARDS, METROLOGY AND INSPECTION

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To: Compliance Engineering Services, INC.

IN REPLY REFER TO 89-3-3000061

No.199 Chung Sheng Road, Hsin Tien City, Taipei Hsien, Taiwan, R.O.C.

This Designation Document confirms that your subject measurement facility has been validated according to the ISO/IEC Guide 25-1990 and found to be in compliance with the requirements of "Operation Guidelines of the Approval and Management of Designated EMC Laboratories."

The description of your facility has, therefore, been placed on file and the name of your organization added to the Bureau's list of facilities whose measurement data and test reports will be accepted as a basis for attesting conformity to CNS13438-1997 / CISPR22-1993, CNS13783-1-1996/ CISPR14 - 1993, CNS13439-1997 / CISPR13-1990 for Information Technology Equipment household appliances / tools broadcast receivers and related equipments.

It is located at: http://www.bsmi.gov.tw

Please reference the file numbers below in the body of all test reports containing measurements made on the corresponding facility.

For your EMI Testing Lab, use reference "SL2-IN-E-0005 SL2-R1-E-0005, SL2-R2-E-0005, SL2-A1-E-0005"

Note that this filing must be updated for any changes made to the documentation and / or facility and whenever major modifications to your documentation or major construction or repairs to your facility are completed, re-submission of the related information or the site attenuation characteristics will be required within 2 weeks.

The Designation is valid through January 10, 2003.

Chen Jeo Ch

Taipei, February 3, 2000

For BSMI, MOEA

Chen Tso-Chen Director General

DATE: JUNE 14, 2000 REPORT NO:00E8367 EUT: IEEE 1394 INTEGRATED PCI HOST ADAPTER FCC ID: LWHF031S6

TABLE OF CONTENTS

1.	VERIFICATION OF COMPLIANCE
2.	PRODUCT DESCRIPTION
3.	TESTED SYSTEM DETAILS
4.	TEST FACILITY
5.	ACCREDITATION AND LISTING
6.	MEASUREMENT INSTRUMENTATION
7.	MEASURING INSTRUMENT CALIBRATION
8.	UNITS OF MEASUREMENT3
9.	ANTENNAS4
10.	CLASSIFICATION OF DIGITAL DEVICE
11.	RADIATED EMISSION LIMITS5
12.	CONDUCTED EMISSION LIMITS5
13.	CONDUCTED EMISSION TEST PROCEDURE
14.	RADIATED EMISSION TEST PROCEDURE6
15.	AMBIENT CONDITIONS
16.	SYSTEM TEST CONFIGURATION
17.	EQUIPMENT MODIFICATIONS
18.	EUT SETUP PHOTOS
19.	TEST EQUIPMENT LIST
20.	CORRECTION FACTOR
21.	TEST RESULT SUMMARY
APPEN	DICES

PAGE

<sup>.</sup>EXTERNAL I/O CABLE CONSTRUCTION DESCRIPTION

<sup>.</sup>CONFIGURATION BLOCK DIAGRAM

<sup>.</sup>CONDUCTED EMISSION PLOT

<sup>.</sup>RADIATED EMISSION DATA

<sup>.</sup>EUT PHOTOGRAPHS

#### 1. VERIFICATION OF COMPLIANCE



COMPANY NAME: LABWAY CORPORATION

7F, 150, JIAN YI ROAD, CHUNG HO CITY

TAIPEI HSIEN, TAIWAN, R. O. C.

CONTACT PERSON: CHRIS FONG / R&D MANAGER

TELEPHONE NO: (02) 8226-5788

MODEL NO/NAME: F031-S6

SERIAL NO: N/A

DATE TESTED: JUNE 2, 2000

TYPE OF EQUIPMENT:	INFORMATION TECHNOLOGY EQUIPMENT (ITE)
MEASUREMENT DISTANCE:	()3 METER (x ) 10 METER
TECHNICAL LIMIT:	CLASS B
FCC RULES:	PART 15
MEASUREMENT PROCEDURE	ANSI C63.4:92 / EN55022
EQUIPMENT AUTHORIZATION PROCEDURE	VERIFICATION
MODIFICATION MADE ON EUT	☐ YES ☑ NO
DEVIATIONS FROM MEASUREMENT	YES (refer to section 21 for comments)
PROCEDURE	⊠NO
RADIATED EMISSION TEST RESULT	-1.57 dB @ 196.619 MHz/HORIZONTAL
CONDUCTED EMISSION TEST RESULT	-10.74 dB @ 12.988 MHz/L1

The above equipment was tested by Compliance Engineering Services, Inc. for compliance with the requirements set forth in the FCC CFR 47, PART 15. The results of testing in this report apply to the product/system which was tested only. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved By	Acknowledged By	
Rick yeur		
RICK YEO / EMC MANAGER COMPLIANCE ENGINEERING SERVICES	CHRIS FONG / R&D MANAGER LABWAY CORPORATION	

1 OF 14

#### 2. PRODUCT DESCRIPTION

CHASSIS TYPE	N/A
LIST OF EACH OSC. OR XTAL. FREQ. (FREQ.>=1 MHz)	Y1 = 24.576 MHz
CHIPSET BRAND AND PART NO.	LUCENT / M-FW323-04
NUMBER OF PCB LAYERS	4 LAYERS
BOARD REVISION NO.	06
POWER REQUIREMENTS	DC 3.3V
NO. OF EXTERNAL I/O CONNECTORS	2

#### 3. TESTED SYSTEM DETAILS

The Model names for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

External Peripheral Devices

Device Type	Manufacturer	Model Number	Serial No.	FCC ID / DoC
HOST COMPUTER	VIVA	VIVA 686-350	HS-13	DOC
DIGITAL 8	SONY	DCR-TRV103	N/A	DOC
MONITOR	COMPAQ	MV500	MT-04	DOC
KEYBOARD	Acer	6311-TW4C	KB-25	DOC
MOUSE	LOGITECH	M-S34	ME-22	DZL211029
MODEM	ACEEX	DM-1414	MD-07	IFXDM1414
PRINTER	OKIDATA	GE5253A	PRN-09	B2K9F2320

#### 4. TEST FACILITY

The open area test sites and conducted measurement facilities used to collect the radiated data are located at No. 199, Chung Sheng Road, Hsin Tien City, Taipei, Taiwan R.O.C. The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

#### 5. ACCREDITATION AND LISTING

The test facilities used to perform radiated and conducted emissions tests are accredited by National Voluntary Laboratory Accreditation Program for the specific scope of accreditation under Lab Code:SL2-IN-E-0005 to perform Electromagnetic Interference tests according to FCC PART 15 AND CISPR 22 requirements. No part of this report may be used to claim or imply product endorsement by NVLAP or any agency of the US Government. In addition, the test facilities are listed with Federal Communications Commission (reference no: 31040/SIT(1300F2))

DATE: JUNE 14, 2000

FCC ID: LWHF031-S6

#### 6. MEASUREMENT INSTRUMENTATION

Radiated emissions were measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, ridged waveguide, liner horn. EMI receivers were used for line conducted readings, spectrum analyzers with preselectors and quasi-peak detectors were used to perform radiated measurements. Receiving equipment (i.e., receiver, analyzer, quasi-peak adapter, pre-selector) and LISNs conform to CISPR specification for "Radio Interference Measuring Apparatus and Measurement Methods," Publication 16.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

#### 7. MEASURING INSTRUMENT CALIBRATION

The measuring equipment which was utilized in performing the tests documented herein has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment which is traceable to recognized national standards.

#### 8. UNITS OF MEASUREMENT

Measurements of radiated interference are reported in terms of dB(uV/m) at a specified distance. The indicated readings on the spectrum analyzer were converted to dB(uV/m) by use of appropriate conversion factors. Measurements of conducted interference are reported in terms of dB(uV).

The field strength is calculated by adding the Antenna Factor and Cable Factors, then by subtracting the Amplifier Gain from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CF - AG

WhereFS = Field Strength

RA = Receiver Amplitude

AF = Antenna Factor

CF = Cable Attenuation Factor

AG = Amplifier Gain

Assume a receiver reading of  $52.5~\mathrm{dBuV}$  is obtained. The Antenna Factor of  $7.4\mathrm{dB/m}$  and a Cable Factor of  $1.1\mathrm{dB}$  is added. The Amplifier Gain of 29 dB is subtracted, giving a field strength of  $32~\mathrm{dBuV/m}$ . The  $32~\mathrm{dBuV/m}$  value was mathematically converted to its corresponding level in  $\mathrm{uV/m}$ .

$$FS = 52.5 + 7.4 + 1.1 - 29 = 32 \, dBuV/m$$

Level in uV/m = Common Antilogarithm [(32 dBuV/m)/20] = 39.8 uV/m

#### 9. ANTENNAS

The calibrated antennas used to sample the radiated field strength are mounted on a non-conductive, motorized antenna mast 10 meters from the leading edge of the turn table.

#### 10. CLASSIFICATION OF DIGITAL DEVICE

Class A includes digital devices that are marketed for use in commercial, industrial or business environments, excluding devices which are marketed for use by the general public or are intended to be used in the home.

Class B includes digital devices that are marketed for use in residential environments, notwithstanding use in commercial, business and industrial environments.

Note: The responsible party may also qualify a device intended to be marketed in a commercial, business or industrial environment as Class B device, and in fact is encouraged to do so provided the device complies with the technical specifications for a Class B digital device. In the event that a particular type of device has been found to repeatedly cause harmful interference to radio communications, the Commission may classify such a digital device as a Class B digital device, regardless of its intended use.

REPORT NO:00E8367 DATE:JUNE 14, 2000 EUT:IEEE 1394 INTEGRATED PCI HOST ADAPTER FCC ID: LWHF031-S6

#### 11. RADIATED EMISSION LIMITS

FCC PART 15 CLASS B

MEASURING DISTANCE OF 3 METER		
FREQUENCY RANGE	FIELD STRENGTH	FIELD STRENGTH
(MHz)	(Microvolts/m)	(dBuV/m)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

FCC CLASS B ALTERNATIVE DISTANCE (CISPR 22:1993)

MEASURING DISTANCE OF 10 METER		
FREQUENCY RANGE	FIELD STRENGTH	FIELD STRENGTH
(MHz)	(Microvolts/m)	(dBuV/m)
30-88	30	29.5
88-216	45	33.0
216-960	60	35.6
960-1000	150	43.5
ABOVE 1000	150	43.5

Note: Limits extrapolated 20dB/decade

FCC PART 15 CLASS A

	ICC PART IJ CHASS A	
MEASURIN	IG DISTANCE OF 10 ME	TER
FREQUENCY RANGE	FIELD STRENGTH	FIELD STRENGTH
(MHz)	(Microvolts/m)	(dBuV/m)
30-88	90	39.1
88-216	150	43.5
216-960	210	46.4
Above 960	300	49.5

#### 12. CONDUCTED EMISSION LIMITS

CLASS B

	021100 2	
FREQUENCY RANGE	FIELD STRENGTH	FIELD STRENGTH
	(Microvolts)	(dBuV)
450kHz-30MHz	250	48

#### CLASS A

FREQUENCY RANGE	FIELD STRENGTH	FIELD STRENGTH
	(Microvolts)	(dBuV)
450kHz-1.705MHz	1000	60
1.705MHz - 30MHz	3000	69.54

#### 13. CONDUCTED EMISSION TEST PROCEDURE

The EUT is located so that the distance between the boundary of the EUT and the closest surface to the LISN is 0.8m.

EUT test configuration is according to Section 7 of ANSI C63.4/1992.

Conducted disturbance shall be measured between the phase lead and the ground, and between the neutral lead and the ground. The frequency 0.450 - 30 MHz shall be investigated.

Set the EMI receiver to PEAK detector setting and sweep continuously over the frequency range to be investigated. Set resolution bandwidth to 9kHz minimum. Connect EMI receiver input cable to LINE 1 RF measurement connection on the LISN. Connect a 50ohm terminator to the unused RF connection on the LISN. For each mode of EUT operation, maximize emissions readings by manipulating cable and wire positions. Record the configuration for each EUT power cord which produces emissions closest to the limit. Repeat the same procedure for LINE 2 of each EUT power cord.

#### 14. RADIATED EMISSION TEST PROCEDURE

The EUT and all other support equipment are placed on a wooden table 80 cm above the ground screen. Antenna to EUT distance is either 3 meters or 10 meters (Class B or Class A). During the test, the table is rotated 360 degrees to maximize emissions, and the antenna is positioned from 1 to 4 meters above the ground screen to further maximize emissions. The antenna is polarized in both vertical and horizontal positions.

EUT test configuration is according to Section 8 of ANSI C63.4/1992.

Monitor the frequency range of interest at a fixed antenna height and EUT azimuth. Frequency span should be small enough to easily differentiate between broadcast stations and intermittent ambients. Rotate EUT 360 degrees to maximize emissions received from EUT. If emission increases by more than 1 dB, or if another emission appears that is greater by 1 dB, return to azimuth where maximum occurred and perform additional cable manipulation to further maximize received emission.

Move antenna up and down to further maximize suspected highest amplitude signal. If emission increased by 1 dB or more, or if another emission appears that is greater by 1dB or more, return to antenna height where maximum signal was observed and manipulate cables to produce highest emissions, noting frequency and amplitude.

#### 15. AMBIENT CONDITIONS

The ambient conditions at the time of final tests were as follows:

	Radiated Emission	Conducted Emission
Temperature	32℃	<b>27</b> ℃
Humidity	73%	72%

#### 16. SYSTEM TEST CONFIGURATION

The equipment under test was configured and operated in a manner which tended to maximize its emission characteristics in a typical application. Power and signal distribution, ground, interconnecting cabling and physical placement of equipment simulated the typical application and usage insofar as practicable.

	SOFTWARE USED DURING THE TESTS
Operating System	WINDOWS 98
File Name	MGI VIDEO WAVE.EXE, WINEMC.EXE
Program Sequence	1.WINDOWS 98 BOOTS SYSTEM
	2.SELECTION MGI VIDEO WAVE.EXE TO PLAY IEEE 1394
	DIGITAL 8.
	3. RUN WINEMC. EXE TO ACTIVATE ALL PERIPHERALS AND DISPLAY "H"
	PATTERN ON MONITOR SCREEN.

#### 17. EQUIPMENT MODIFICATIONS

To achieve compliance to CLASS B levels, the following change(s) were made during compliance testing:

#### NOT APPLICABLE

#### 18. EUT SETUP PHOTOS





Radiated Emission Setup Photos (Worst Emission Position)

DATE: JUNE 14, 2000

FCC ID: LWHF031-S6

DATE: JUNE 14, 2000 FCC ID: LWHF031-S6





Conducted Emission Setup Photos (Worst Emission Position)

#### 19. TEST EQUIPMENT LIST

					Cal	Due
Equipment	Manuf.	Model No.	Serial No.	Site	Date	Date
	DOUDE	DG3.T. D. 004, 0030, F0	007020/001	D	10/00	10/00
EMI TEST DISPLAY	ROHDE & SCHWARZ	DSAI-D 804.8932.52	827832/001	ע	10/99	10/00
	DOMBE	EGDT DE /1005 4300 50	007030/003		10/00	10/00
EMI TEST RF UNIT	ROHDE & SCHWARZ	ESBI-RF/1005.4300.52	827832/003	D	10/99	10/00
AMPLIFIER	HP	8447E B	1937A1401	D	9/99	9/00
		<b>7</b> - 1 - 1		_	- ,	•
ANTENNA	EMCO	3142	1212	D	07/99	07/00
LISN	EMCO	3825/2	1842	D	1/00	1/01
LISN(EUT)	EMCO	3825/2	1435	D	1/00	1/01
CABLE	TALLEY	HELIX FSJ4-50B	D0301	D	1/00	1/01
CABLE	TIME MICROWAVE	LMR-400-2	D1001	D	1/00	1/01
SPECTRUM	H.P.	8568B	2928A04814	E	3/00	3/01
ANALYZER						
SPECTRUM	H.P.	85662A	2848A18276	E	3/00	3/01
DISPLAY						
QUASI-PEAK	H.P.	85650A	2811A01439	E	3/00	3/01
DETECTOR						
AMPLIFIER	H.P.	8447D B	1644A02328	E	5/00	5/01
ANTENNA	CHASE	CBL6111A	1547	E	1/00	1/01
TEST	ROHDE	ESHS20	840455/006	E	2/00	2/01
RECEIVER	& SCHWARZ					
LISN	SOLAR	8012-50-R-24-BNC	8305114	E	7/99	7/00
LISN(EUT)	FISHER	FCC-LISN-50/250-25-2	107	Е	7/99	7/00
	CUSTOM					
CABLE	TIME	LMR-400-2	E1001	E	1/00	1/01
	MICROWAVE					
CABLE	TALLEY	HELIX FSJ4-50B	E0301	E	1/00	1/01

#### 20. CORRECTION FACTOR

OATS NO. D

	Al	NTENNA 3	METER	AN	TENNA 1	) METER	SITE D
FREQ	HORI.	VERT.	CABLE LOSS	HORI.	VERT.	CABLE LOSS	AMP GAIN
(MHZ)			(dB)			(dB)	(dB)
30	19.79	18.86	0.60	18.46	19.68	0.71	21.20
35	16.59	15.11	0.58	15.03	15.91	0.69	21.58
40	12.81	11.72	0.58	12.20	12.59	0.71	21.49
45	10.04	9.79	0.69	9.23	8.62	0.81	21.40
50	8.21	8.20	0.76	7.54	7.56	0.86	21.37
60	7.31	7.50	0.81	6.59	5.96	0.96	21.40
70	7.11	6.70	0.86	5.80	5.82	1.01	21.45
80	7.15	6.67	0.88	5.33	5.77	1.11	21.50
90	8.10	8.58	0.97	6.44	6.65	1.17	21.60
100	9.01	9.98	1.02	7.84	8.03	1.19	21.81
120	7.57	8.36	1.14	6.67	6.62	1.37	22.08
125	7.75	8.53	1.09	6.46	6.48	1.34	22.05
140	8.65	8.81	1.19	6.99	6.92	1.47	22.00
150	9.61	9.87	1.24	8.23	8.90	1.49	22.23
160	10.17	10.14	1.32	8.91	9.44	1.55	22.41
175	10.62	10.97	1.32	9.46	9.79	1.60	22.71
180	10.72	10.74	1.40	9.48	9.53	1.60	22.77
200	11.21	11.01	1.52	9.64	10.34	1.75	21.99
250	13.62	13.45	1.78	12.21	12.24	2.03	22.21
300	13.86	14.21	1.98	13.16	13.63	2.26	22.36
400	16.91	16.51	2.52	16.45	16.19	2.72	22.72
500	19.47	18.30	2.82	18.66	18.15	3.00	22.90
600	21.59	20.60	3.20	20.71	20.09	3.40	23.17
700	23.36	22.31	3.46	22.18	21.12	3.66	22.89
800	23.83	22.91	3.74	22.83	22.84	4.02	22.08
900	24.65	23.13	4.09	23.54	23.06	4.30	22.21
1000	25.11	23.89	4.57	24.47	23.44	4.72	22.00
1100			4.54			4.72	22.49
1200			5.08			4.93	23.28
1300			6.25			5.33	22.10
1400			5.73			5.02	
1500			6.33			5.74	
1600			7.11			5.48	
1700			8.33			5.21	
1800			8.76			8.22	
1900			9.87			8.78	
2000			8.99			8.60	

#### 21. TEST RESULT SUMMARY

**Preliminary Radiated Emission Tests** were performed at the 10 meter open area test site. CCS test procedure no:CCSUE2001B and the procedure listed in ANSI C63.4 /1992 section 8.3.1.1. were used. The following preliminary tests were conducted to determine the worst mode of operation and configuration.

Preliminary Radiated Emission Test					
Frequency Range Investigated 30 MHz TO 1000 MHz					
Mode of operation	Date	Data Report No.	Worst Mode		
NORMAL MODE	06/02/00	8367D#(02, 04)	$\boxtimes$		

Final Radiated Emission Test was conducted by operating the worst mode as indicated above.

OATS No <b>D / 10</b>		Data Report No. 8367D#(02, 04)		Date <b>06/02/00</b>		Tested By: VINCE CHIANG	
Six Highest Radiated Emission Readings							
Frequency	Range I	nvestiga	ated	30	MHz TO	1000 MHz	
	Meter		Correcte			Reading	
Freq	Reading	C.F.	d Reading	Limits	Margin	Type	Pol.
(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	P/Q/A	H/V
133.889	34.58	-7.92	26.66	30.00	-3.34	P	V
147.433	32.95	-6.28	26.67	30.00	-3.33	P	V
196.587	32.04	-4.20	27.84	30.00	-2.16	P	V
133.944	32.24	-7.89	24.35	30.00	-5.65	P	H
147.489	32.87	-6.77	26.10	30.00	-3.90	P	H
196.619	33.20	-4.77	28.43	30.00	-1.57	Q	H

Corrected Reading = Metering Reading + C.F.

Margin=Corrected Reading - Limits

P=Peak Reading H=Horizontal Polarization/Antenna Q=Quasi-peak V=Vertical Polarization/Antenna

A=Average Reading

Comments: N/A

**Preliminary Conducted Emission Tests** were performed according to CCS test procedure no:CCSUE2002B and ANSI C63.4/1992 section 7.2.3. The following preliminary tests were conducted to determine the worst mode of operation.

Preliminary Conducted Emission Test					
Frequency Range Investigated 150 kHz TO 30 MHz					
Mode of operation	Date	Data Report No.	Worst Mode		
NORMAL MODE 06/02/00		8367E#(08, 16)			

Final Conducted Emission Test was conducted by operating the worst mode as indicated above.

Conduct Room		Data Report No. 8367E#(18, 16)		Dat <b>06/02</b>	_	Tested VINCE C	_
Six Highest Conduc				ed Emissi	on Readi	ngs	
Frequency Range Investigated				-	150 kHz T	O 30 MHz	
Freq (MHz)	Meter Reading (dBuV)	C.F.	Corrected Reading (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Reading Type (P/Q/A)	Line (L1/L2)
11.498	47.86	0.00	47.86	60.00	-12.14	P	L1
12.449	48.36	0.00	48.36	60.00	-11.64	P	L1
12.988	49.26	0.00	49.26	60.00	-10.74	P	L1
11.498	47.09	0.00	47.09	60.00	-12.91	P	L2
11.996	47.39	0.00	47.39	60.00	-12.61	P	L2
12.988	48.26	0.00	48.26	60.00	-11.74	P	L2

C.F.(Correction Factor)=Insertion Loss + Cable Loss

Corrected Reading = Metering Reading + C.F.

Margin=Corrected Reading - Limits
P=Peak Reading L1=Hot
Q=Quasi-peak L2=Neutral

A=Average Reading

Comments: N/A

#### **APPENDICES**

DATE: JUNE 14, 2000

FCC ID: LWHF031-S6

EXTERNAL I/O CABLE CONSTRUCTION DESCRIPTION

CONFIGURATION BLOCK DIAGRAM

CONDUCTED EMISSION PLOT

RADIATED EMISSION DATA

EUT PHOTOGRAPHS

#### External I/O Cable Construction Description

CABLE NO: 1, 2	Number of I/O ports of this type: 2
I/O Port: MOUSE, KB	Connector Type: PS/2
Capture Type: Snap In	Type of Cable used: Un-Shielded, Shielded
Cable Connector Type: Molded	Cable Length: 1.8 M, 1.15 M
Bundled During Tests: No	Data Traffic Generated: Yes
Remarks: N/A	

CABLE NO: 3	Number of I/O ports of this type: 1
I/O Port: MODEM	Connector Type: DB9
Capture Type: Screw In	Type of Cable used: Shielded
Cable Connector Type: Metal	Cable Length: 1.1 M
Bundled During Tests: No	Data Traffic Generated: Yes
Remarks: N/A	

CABLE NO: 4	Number of I/O ports of this type: 1	
I/O Port: MONITOR	Connector Type: DB15	
Capture Type: Screw In	Type of Cable used: Shielded	
Cable Connector Type: Molded	Cable Length: 1.5 M	
Bundled During Tests: No	Data Traffic Generated: Yes	
Remarks: A FERRIRE CORE ON THE CABLE END OF PC.		

CABLE NO: 5	Number of I/O ports of this type: 1
I/O Port: <b>DIGITAL 8</b>	Connector Type: IEEE 1394
Capture Type: Snap In	Type of Cable used: Shielded
Cable Connector Type: Molded	Cable Length: 1.8 M
Bundled During Tests: No	Data Traffic Generated: Yes
Remarks: N/A	

CABLE NO: 6	Number of I/O ports of this type: 1		
I/O Port: Parallel Printer	Connector Type: DB25		
Capture Type: Screw In	Type of Cable used: Shielded		
Cable Connector Type: Molded	Cable Length: 2 M		
Bundled During Tests: Yes	Data Traffic Generated: Yes		
Remarks: N/A			

CABLE NO: 7	Number of I/O ports of this type: 1
I/O Port: CABLE LOAD	Connector Type: IEEE 1394
Capture Type: Snap In	Type of Cable used: Shielded
Cable Connector Type: Molded	Cable Length: 1.5 M
Bundled During Tests: Yes	Data Traffic Generated: Yes
Remarks: N/A	

REPORT NO:00E8367 DATE:JUNE 14, 2000 EUT:IEEE 1394 INTEGRATED PCI HOST ADAPTER FCC ID: LWHF031-S6

CABLE NO: 8	Number of I/O ports of this type: 1
I/O Port: ADAPTOR	Connector Type: DC PLUG
Capture Type: Snap-In	Type of Cable used: Un-Shielded
Cable Connector Type: Molded	Cable Length: 1.8 M
Bundled During Tests: No (Radiation), Yes (Line Conduction)	
Remarks: N/A	

CABLE NO: 9 ~ 13	Number of I/O ports of this type: 5
I/O Port: Power Cord	Connector Type: AC Inlet
Capture Type: Snap-In	Type of Cable used: <b>Un-Shielded</b>
Cable Connector Type: Molded	Cable Length: 1.8 M
Bundled During Tests: No (Radiation), Yes (Line Conduction)	
Remarks: N/A	

### Configuration Block Diagram

DATE: JUNE 14, 2000

FCC ID: LWHF031-S6

