Jiadianbao Electrical Products (Shenzhen) Co., Ltd.

Pencil Sharpener Lamp Rated 35W

Model Number: G6158

Prepared for : Jiadianbao Electrical Products (Shenzhen) Co., Ltd.
Region No.117, Feng Huang Gang Village, Xin An,
Baoan County, Shenzhen City, Guangdong Province,
China

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
No. 6 Ke Feng Rd., 52 Block,
Shenzhen Science & Industrial Park,
Nantou, Shenzhen, Guangdong, China

Tel: (0755) 26639496

Report Number	:	ACS-F05189
Date of Test	:	May 19, 2005
Date of Report	:	Jun.17, 2005

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Description Page

TEST REPORT CERTIFICATION

Applicant : Jiadianbao Electrical Products (Shenzhen) Co., Ltd.

Manufacturer : Jiadianbao Electrical Products (Shenzhen) Co., Ltd.

EUT Description : Pencil Sharpener Lamp Rated 35W

(A) MODEL NO. : G6158
(B) SERIAL NO. : F2005061701
(C) POWER SUPPLY : AC 120V/60Hz

Test Procedure Used:
FCC RULES AND REGULATIONS PART 18 SUBPART C RF LIGHTING DEVICES CONSUMER (1998) AND MP-5/1986

The device described above is tested by Audix Technology (Shenzhen) Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 18 Subpart C limits for radiation and conduction emissions. The test results are contained in this test report and Audix Technology (Shenzhen) Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT is technically compliant with FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shenzhen) Co., Ltd.

This report must not be used by the applicant to claim product endorsement by NVLAP or any agency of the U.S. Government.

Date of Test : May 19, 2005

Prepared by :

Susan Liu / Assistant

Reviewer :

Lake Wang / Supervisor

Approved & Authorized Signer :

AUDIX 佳事科技(深圳)有限公司 Audix Technology (Shenzhen) Co., Ltd.
EMC 專門報告專用章
Stamp only for EMC Dept. Report
Signature:

Ken Lu / Assistant Manager

Name of the Representative of the Responsible Party : _____

Signature : _____

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	Pencil Sharpener Lamp Rated 35W
Model Number	:	G6158
Applicant	:	Jiadianbao Electrical Products (Shenzhen) Co., Ltd. Region No.117, Feng Huang Gang Village, Xin An, Baoan County, Shenzhen City, Guangdong Province, China
Manufacturer	:	Jiadianbao Electrical Products (Shenzhen) Co., Ltd. Region No.117, Feng Huang Gang Village, Xin An, Baoan County, Shenzhen City, Guangdong Province, China
Date of Test	:	May 19, 2005

1.2. Test Facility

Site Description

3m Anechoic Chamber	:	Certificated by FCC, USA Registration Number: 90454 Aug. 15, 2003
3m & 10m Anechoic Chamber	:	Certificated by FCC, USA Registration Number: 794232 Mar. 15, 2004
EMC Lab.	:	Certificated by DATech, German Registration Number: DAT-P-091/99-01 Feb. 02, 2004 Certificated by NVLAP, USA NVLAP Code: 200372-0 Mar. 31, 2004 Certificated by Nemko, Norway Aut. No.: ELA135 April. 22, 2004 Certificated by Industry Canada Registration Number: IC 5183 Jul. 28, 2004
Name of Firm	:	Audix Technology (Shenzhen) Co., Ltd.
Site Location	:	No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park, Nantou, Shenzhen, Guangdong, China

1.3. Measurement Uncertainty

No.	Item	Uncertainty	Remark
1.	Uncertainty for Conducted Emission Test	1.22dB	
2.	Uncertainty for Radiated Emission Test	3.14dB	3m Chamber
3.	Uncertainty for Radiated Emission Test	3.18dB	10m Chamber
4.	Uncertainty for Power Clamp Test	1.38dB	

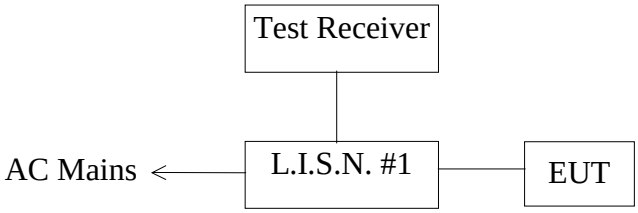
2. POWER LINE CONDUCTED EMISSION TEST

2.1. Test Equipment

The following test equipments are used during the power line conducted emission test:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	May 16, 05	1 Year
2.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	May 16, 05	1 Year
3.	L.I.S.N.#2	Kyoritsu	KNW-407	8-1636-1	May 16, 05	1 Year
4.	L.I.S.N.#3	EMCO	3825/2	9006-1660	May 16, 05	1 Year
5.	Terminator	Hubersuhner	50Ω	No. 1	May 16, 05	1 Year
6.	Terminator	Hubersuhner	50Ω	No. 2	May 16, 05	1 Year
7.	RF Cable	MIYAZAKI	5D-2W	LISN Cable 1#	Feb. 18, 05	1/2 Year
8.	Passive Probe	Rohde & Schwarz	ESH2-Z3	299.7810.52	May 16, 05	1 Year
9.	Coaxial Switch	Anritsu	MP59B	M55367	May 27, 05	1/2 Year
10.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100340	Feb. 18, 05	1/2 Year
11.	PC	N/A	586ATXS	N/A	N/A	N/A
12.	Printer	HP	Laserjet2100	SGGJ092351	N/A	N/A

2.2. Block Diagram of Test Setup



(EUT: Pencil Sharpener Lamp Rated 35W)

2.3. Power Line Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150KHz ~ 500KHz	66 ~ 56*	56 ~ 46*
500KHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

2.4. Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

2.4.1. Pencil Sharpener Lamp Rated 35W（EUT）

Model Number : G6158
Serial Number : F2005061701
Manufacturer : Jiadianbao Electrical Products (Shenzhen) Co., Ltd.

2.5. Operating Condition of EUT

2.5.1. Setup the EUT and simulator as shown on Section 2.2..

2.5.2. Turn on the power of all equipment.

2.5.3. Let the EUT work in test mode (ON) and test it.

2.6. Test Procedure

The EUT is connected to the power mains through a line impedance stabilization network (L.I.S.N.#1). This provides a 50 ohm coupling impedance for the EUT. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission levels. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4-2001 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS10) is set at 10KHz.

The frequency range from 150KHz to 30MHz is checked.

The test result are reported on Section 2.7, all the scanning waveforms for Conducted Emission Test are attached in Appendix I.

2.7. Power Line Conducted Emission Test Results

PASS.

The frequency range from 150KHz to 30 MHz is investigated.
All emissions not reported below are too low against the prescribed limits.

Date of Test：	May 19, 2005	Temperature：	22.3℃
EUT ：	Pencil Sharpener Lamp Rated 35W	Humidity：	54%
Model No.：	G6158	Test Mode：	ON
Test Engineer：	Seco		

Frequency (MHz)	Reading (dBμV)				Limit (dBμV)	
	VA		VB			
	Quasi-Peak	Average	Quasi-Peak	Average	Quasi-Peak	Average
0.154	41.92	35.14	39.92	33.14	65.78	55.78
0.198	39.76	28.81	37.76	26.81	63.69	53.69
0.242	39.91	31.41	41.91	29.41	62.03	52.03
0.285	41.39	35.22	43.39	35.22	60.64	50.64
0.396	38.28	32.66	43.39	37.28	57.94	47.94
29.837	50.97	41.96	49.97	39.96	60.00	50.00

Remark: 1) If the data table appeared symbol of “N/A” means the value was too low to be measured.
2) If the data table appeared symbol of “*” means the Q.P. value is under the limit for average, so, the average value had been omitted.

Reviewer : Cabe Wang

3. MAGNETIC FIELD EMISSION TEST

3.1. Test Equipment

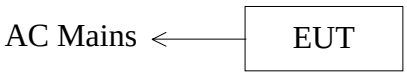
The following test equipments are used during the radiated emission test:

3.1.1. Anechoic Chamber

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Loop Antenna	Chase	HLA6120	1062	June 28, 04	1 Year
2	Test Receiver	Rohde & Schwarz	ESHS20	836600/006	May 16, 05	1 Year

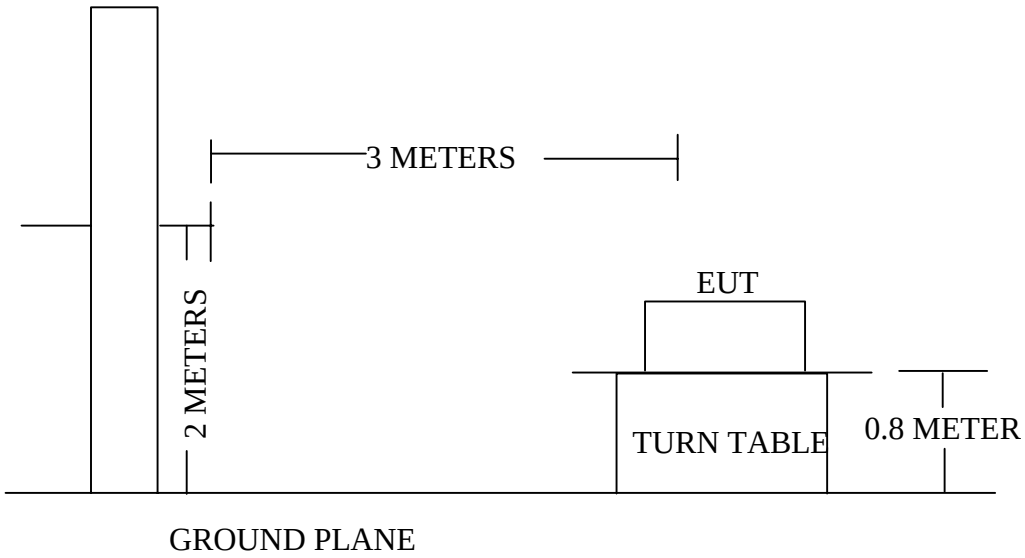
3.2. Block Diagram of Test Setup

3.2.1. Block Diagram of connection between the EUT and simulators



(EUT: Pencil Sharpener Lamp Rated 35W)

3.2.2. In Anechoic Chamber Test Setup Diagram



3.3. Magnetic Field Emission Limit

All emanations from Non-ISM devices or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Frequency band MHz	Quasi-peak Electric Field Test Distance 3m dB(μV/m)
0.009 - 30	63.5

Note**:** (1) The limit shall decreasing linearly with logarithm of frequency.
(2) Distance refers to the distance in meters between the test instrument antenna and the closed point of any part of the E.U.T.

3.4. EUT Configuration on Test

The FCC part 18 Class A regulations test method must be used to find the maximum emission during Radiated Emission test.
The configuration of EUT is same as used in Conducted Emission test. Please refer to Section 2.4.

3.5. Operating Condition of EUT

3.5.1. Setup the EUT and the simulators as shown on Section 3.2.

3.5.2. Turn on the power of all equipments.

3.5.3. Let the EUT work in test mode (ON) and test it.

3.6. Test Procedure

The EUT is placed on a turn table which is 0.8 meter above ground. Measurements are performed at 3m distance with a 0.6m loop antenna as described in MP-5. The antenna shall be vertically installed, with the lower edge of the loop at 2m height above the floor.

The bandwidth setting on the test receiver (R&S TEST RECEIVER ESHS20) is 200Hz. The EUT is tested in Chamber. All the scanning waveform are attached within Appendix II.

4. DEVIATION TO TEST SPECIFICATIONS

[NONE]

APPENDIX I

AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.
Shenzhen Science & Ind Park
Tel:0755-26639496
Fax:26632877

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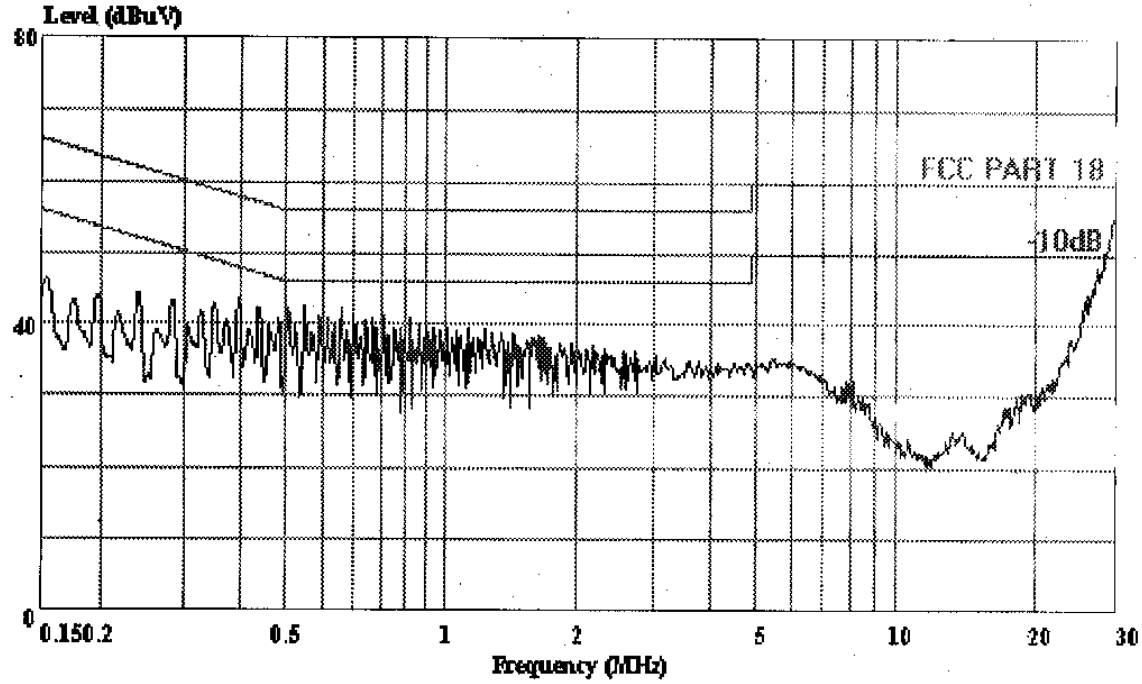

Trace: Ref Trace:

Condition: FCC PART 18 VA KNW-407
EUT : Pencil Sharpener Lamp Rated 35W
M/N : G6158
OP Condition : ON
Test Spec : AC 120V/60Hz
Test Engineer: MARIO
Comment : Temp:22.3'C Humi:54%

AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.
Shenzhen Science & Ind Park
Tel:0755-26639496
Fax:26632877

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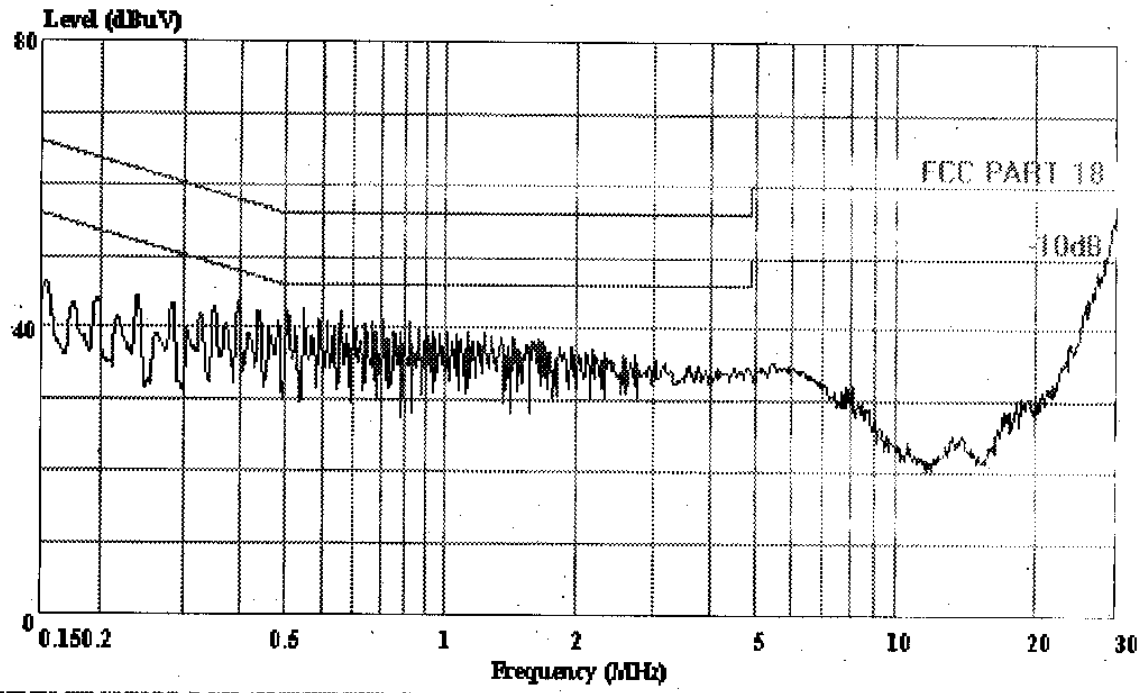

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Condition: FCC PART 18 VB KNW-407
EUT : Pencil Sharpener Lamp Rated 35W
M/N : G6158
OP Condition : ON
Test Spec : AC 120V/60Hz
Test Engineer: MARIO
Comment : Temp:22.3'C Humi:54%

APPENDIX II

信華科技(深圳)有限公司
AUDIX Technology (Shenzhen) Co.,Ltd.
No. 6, Ke Feng Road, Block 52,
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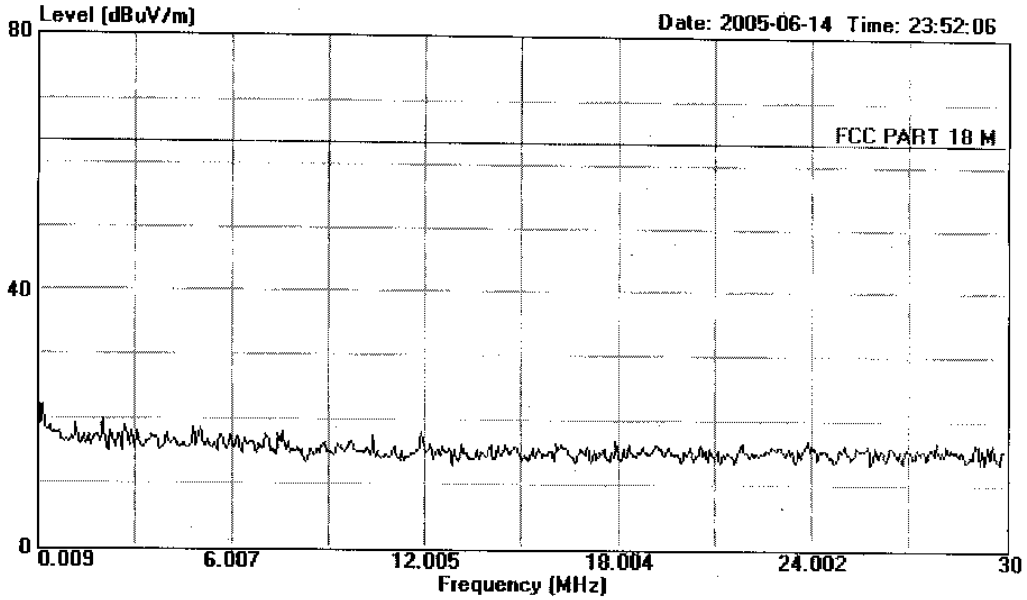
Data#: 6 File#: C:\EMI TEST DATA\J\Jiadianbao.EMI



Site : 1# Chamber
Condition : FCC PART 18 M 3m
EUT : Pencil Sharpener Lamp Rated 35W
M/N : G6158
Power : AC 120V/60Hz
Test Engineer : Sworddance
Comment : Temp:21' Humi:51%
Memo : ON