

Beijing Golden U Land Lighting Technology Development Co., Ltd.

Energy Saving Lamp

Model Number: 1006-11W(ESN/T11)/1006-15W(ESN/T15)/1006-18W(ESN/T18)/
1006-20W(ESN/T20)/1007-3W(ESN/U-3)/1007-5W(ESN/U-5)/
1007-9W(ESN/U-9)/1008-7W(EUT/U-7)/1008-9W(EUT/U-9)/
1008-11W(EUT/U-11)/1008-15W(EUT/U-15)/1009-7W(ESM-7)/
1009-9W(ESM-9)/1009-11W(ESM-11)/1009-13W(ESM-13)/
1009-15W(ESM-15)

Prepared for : Beijing Golden U Land Lighting Technology
Development Co., Ltd.
4F, No.8 Yard Dong Fang East Street,
Chao Yang District, Beijing, China

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block,
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Report Number : ACS-F02017
Date of Test : Jan.28~31, 2002
Date of Report : Feb.05, 2002

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TEST REPORT DECLARATION

Applicant : Beijing Golden U Land Lighting Technology Development Co., Ltd.
Manufacturer : Beijing Golden U Land Lighting Technology Development Co., Ltd.
Shenzhen Branch
EUT Description : Energy Saving Lamp
(A) MODEL NO. : 1006-11W(ESN/T11)/1006-15W(ESN/T15)/1006-18W(ESN/T18)/
1006-20W(ESN/T20)/1007-3W(ESN/U-3)/1007-5W(ESN/U-5)/
1007-9W(ESN/U-9)/1008-7W(EUT/U-7)/1008-9W(EUT/U-9)/
1008-11W(EUT/U-11)/1008-15W(EUT/U-15)/1009-7W(ESM-7)/
1009-9W(ESM-9)/1009-11W(ESM-11)/1009-13W(ESM-13)/
1009-15W(ESM-15)
(B)POWER SUPPLY : 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.

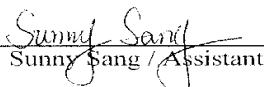
This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shenzhen) Co., Ltd.

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

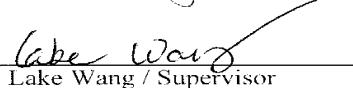
Date of Test :

Jan.28~31, 2002

Prepared by :

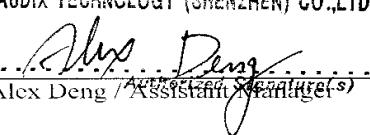

Sunny Sang / Assistant

Reviewer :


Lake Wang / Supervisor

For and on behalf of
AUDIX TECHNOLOGY (SHENZHEN) CO.,LTD.

Approved & Authorized Signer :


Alex Deng / Assistant Manager(s)

Name of the Representative of the Responsible Party :

Signature :

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description : Energy Saving Lamp

Model Number : 1006-11W(ESN/T11)/1006-15W(ESN/T15)/
1006-18W(ESN/T18)/1006-20W(ESN/T20)/
1007-3W(ESN/U-3)/1007-5W(ESN/U-5)/
1007-9W(ESN/U-9)/1008-7W(EUT/U-7)/
1008-9W(EUT/U-9)/1008-11W(EUT/U-11)/
1008-15W(EUT/U-15)/1009-7W(ESM-7)/
1009-9W(ESM-9)/1009-11W(ESM-11)/
1009-13W(ESM-13)/1009-15W(ESM-15)

Applicant : Beijing Golden U Land Lighting Technology Development
Co., Ltd.
4F, No.8 Yard Dong Fang East Street,
Chao Yang District, Beijing, China

Manufacturer : Beijing Golden U Land Lighting Technology
Development Co., Ltd. Shenzhen Branch
No.16, Chang Xing Industry Park, Gong Ming Town,
Shenzhen, China

Date of Test : Jan.28~31, 2002

1.2.Test Facility

Site Description

3m Anechoic Chamber	:	Certificated by FCC, USA Aug. 24, 2000
3m & 10m Open Site	:	Certificated by FCC, USA Jan. 29, 2001
EMC Lab.	:	Certificated by VCCI, Japan Oct. 29, 1998
		certificated by DATech, German Feb. 02, 1999
		certificated by NVLAP, USA NVLAP Code: 200372-0
		certificated by DNV, Norway May 26, 1999
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.Test Uncertainty

Conducted Emission Uncertainty = ± 2.66dB

Radiated Emission Uncertainty = ± 4.26dB

2. POWER LINE CONDUCTED EMISSION TEST

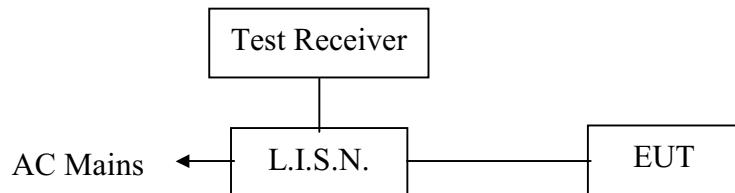
2.1. Test Equipment

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	ESHS20	836600/006	Jun. 03, 01	1 Year
2.	L.I.S.N.	Kyoritsu	KNW-407	8-541-4	Jun. 03, 01	1 Year
3.	Terminator	EMCO	50Ω	No. 1	Jun. 03, 01	1 Year
4.	Terminator	EMCO	50Ω	No. 2	Jun. 03, 01	1 Year
5.	RF Cable	FUJIKURA	RG-55/U	LISN Cable	Aug. 26, 01	1/2 Year
6.	Coaxial Switch	Anritsu	MP59B	M73989	Dec.01, 01	1/2 Year

2.2. Block Diagram of Test Setup

2.2.1. Block diagram of connection between the EUT and simulators



(EUT: Energy Saving Lamp)

2.3. Power Line Conducted Emission Test Limits

Frequency MHz	Maximum RF Line Voltage	
	µV	dB(µV)
0.45 ~ 30	250	48

Remarks: RF Line Voltage (dB(µV)) = 20 log RF Line Voltage (µV)

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.Energy Saving Lamp (EUT)

Model Number : 1006-11W(ESN/T11)/1007-3W(ESN/U-3)/
1008-7W(EUT/U-7)/1009-9W(ESM-9)/

Manufacturer : Beijing Golden U Land Lighting Technology Development Co., Ltd. Shenzhen Branch

2.5.Operating Condition of EUT

2.5.1.Setup the EUT and simulator as shown as 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 put on a table which is 0.8m above the ground , it is connected to the power mains through a line impedance stabilization network (L.I.S.N.). 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 C63.4-1992 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS20) is set at 10KHz.

The frequency range from 450KHz 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 450KHz to 30 MHz is investigated.

All emissions not reported below are too low against the prescribed limits.

Date of Test :	Jan. 29, 2002	Temperature :	24°C
EUT :	Energy Saving Lamp	Humidity :	56%
Model No. :	1006-11W(ESN/T11)	Test Mode :	ON
Test Engineer :	Sean		

Frequency MHz	Reading		Limit dB(μV)
	Phase VA dB(μV)	Phase VB dB(μV)	
0.456	42.0	*	48.00
0.478	*	39.8	48.00
0.536	39.8	*	48.00
0.574	*	38.0	48.00
0.652	*	37.3	48.00
0.686	38.2	*	48.00
0.832	36.5	*	48.00
0.883	*	31.0	48.00
1.814	*	34.5	48.00
2.021	25.9	*	48.00
9.377	*	17.6	48.00
9.401	19.8	*	48.00

Remark: 1. All readings are Quasi-Peak values.

2. The worst emission is detected at 0.456 MHz with corrected signal level of 42.0dB(μV) (limit is 48.00 dB(μV)) when the VA side of the EUT is connected to L.I.S.N.

Reviewer: _____

Date of Test :	Jan.29, 2002	Temperature :	24°C
EUT :	Energy Saving Lamp	Humidity :	56%
Model No. :	1007-3W(ESN/U-3)	Test Mode :	ON
Test Engineer :	Sean		

Frequency MHz	Reading		Limit dB(μ V)
	Phase VA dB(μ V)	Phase VB dB(μ V)	
0.487	*	33.1	48.00
0.488	33.2	*	48.00
0.714	35.9	*	48.00
0.735	*	30.7	48.00
0.886	*	30.1	48.00
0.916	27.7	*	48.00
1.169	24.9	*	48.00
1.237	*	21.5	48.00
4.704	17.8	*	48.00
5.010	*	32.3	48.00
6.745	14.2	*	48.00
7.991	*	11.1	48.00

Remark: 1. All readings are Quasi-Peak values.
 2. The worst emission is detected at 0.714 MHz with corrected signal level of 35.9dB(μ V) (limit is 48.00 dB(μ V)) when the VA side of the EUT is connected to L.I.S.N.

Reviewer: _____

Date of Test :	Jan. 26, 2002	Temperature :	24°C
EUT :	Energy Saving Lamp	Humidity :	56%
Model No. :	1008-7W(EUT/U-7)	Test Mode :	ON
Test Engineer :	Sean		

Frequency MHz	Reading		Limit dB(μV)
	Phase VA dB(μV)	Phase VB dB(μV)	
0.494	*	30.3	48.00
0.541	30.1	*	48.00
0.677	30.5	*	48.00
0.717	*	29.2	48.00
0.859	31.0	*	48.00
0.894	*	35.9	48.00
0.945	34.0	*	48.00
1.033	*	36.0	48.00
1.121	*	35.3	48.00
1.326	38.2	*	48.00
1.331	*	35.8	48.00
3.619	13.7	*	48.00

Remark: 1. All readings are Quasi-Peak values.

2. The worst emission is detected at 1.326MHz with corrected signal level of 38.2dB(μV) (limit is 48.00 dB(μV)) when the VA side of the EUT is connected to L.I.S.N.

Reviewer: _____

Date of Test :	Jan. 29, 2002	Temperature :	24°C
EUT :	Energy Saving Lamp	Humidity :	56%
Model No. :	1009-9W(ESM-9)	Test Mode :	ON
Test Engineer :	Sean		

Frequency MHz	Reading		Limit dB(μV)
	Phase VA dB(μV)	Phase VB dB(μV)	
0.506	*	33.3	48.00
0.532	31.7	*	48.00
0.660	32.0	*	48.00
0.670	*	33.5	48.00
1.350	*	32.0	48.00
1.381	30.9	*	48.00
1.583	*	31.4	48.00
1.669	30.6	*	48.00
1.889	29.9	*	48.00
1.954	*	27.7	48.00
7.498	18.3	*	48.00
7.819	*	15.5	48.00

Remark: 1. All readings are Quasi-Peak values.

2. The worst emission is detected at 0.670 MHz with corrected signal level of 33.5dB(μV) (limit is 48.00 dB(μV)) when the VB side of the EUT is connected to L.I.S.N.

Reviewer: _____

3. ADIATED EMISSION TEST

3.1. Test Equipment

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

3.1.1. For Anechoic Chamber

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	HP	85422E	3625A00181	Jun. 03, 01	1 Year
2.	Test Receiver	Rohde & Schwarz	ESVS20	830350/005	Jun. 03, 01	1 Year
3.	Amplifier	HP	8447D	2944A07794	Jun. 02, 01	1/2 Year
4.	Bilog Antenna	Chase	CBL6112A	2176	Sep. 25, 01	1 Year
5.	Computer	N/A	N/A	N/A	N/A	N/A
6.	Printer	NEC	P3800	568101448	N/A	N/A
7.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.1	Aug.07, 01	1/2 Year
8.	RF Cable	MIYAZAKI	5D-2W	3# Chamber No.2	Aug.07, 01	1/2 Year
9.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.3	Aug.07, 01	1/2 Year
10.	RF Cable	FUJIKURA	RG-55/U	3# Chamber No.4	Aug.07, 01	1/2 Year
11.	Coaxial Switch	Anritsu	MP59B	M74389	Dec.01, 01	1/2 Year

3.2. Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and simulators

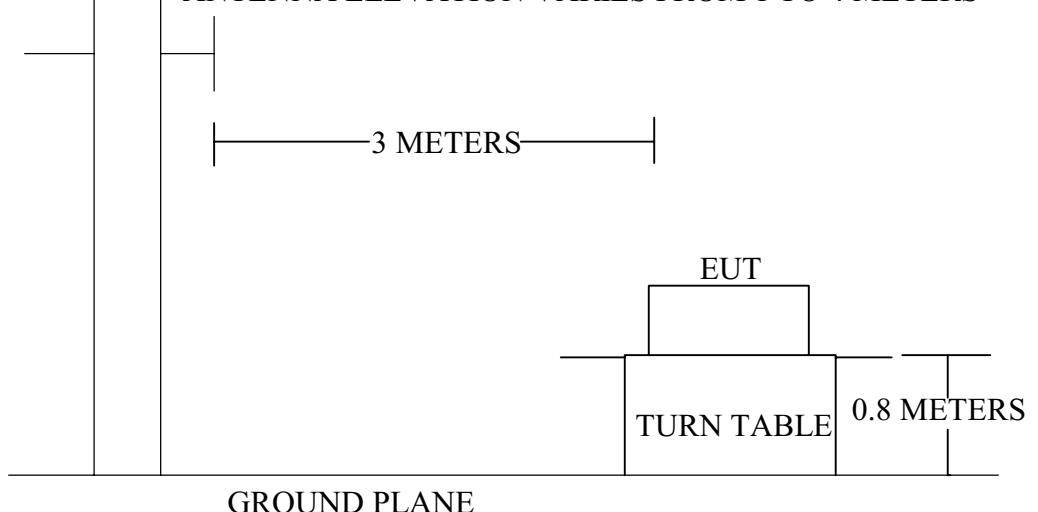


(EUT: Energy Saving Lamp)

3.2.2. Test Setup Diagram in Anechoic Chamber

ANTENNA TOWER

ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



3.3.Radiated Emission Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		µV/m	dB(µV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

- Remark :
- (1) Emission level (dB) μ V = 20 log Emission level μ V/m
 - (2) The smaller limit shall apply at the cross point between two frequency bands.
 - (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

3.4.EUT Configuration on Test

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

3.4.1.Energy Saving Lamp (EUT)

Model Number : 1006-11W(ESN/T11)/1007-3W(ESN/U-3)/
1008-7W(EUT/U-7)/1009-9W(ESM-9)/

Manufacturer : Beijing Golden U Land Lighting Technology Development Co., Ltd. Shenzhen Branch

3.5.Operating Condition of EUT

1. Setup the EUT as shown in Section 3.2..
2. Let the EUT work in test mode (ON) and test it.

3.6.Test Procedure

The EUT and its simulators are placed on a turn table, which is 0.8 meter high above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission levels. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna are set on test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to MP-5/1986 on Radiated Emission Test.

The bandwidth of the EMI test receiver (R&S ESVS20) is set at 120KHz.

The frequency range from 30MHz to 1000MHz is checked.

The test mode (ON) are tested in Anechoic Chamber and all the scanning waveforms are attached in Appendix II.

3.7.Radiated Emission Test Result

PASS.

The frequency range from 30MHz to 1000MHz is investigated. Please see the following pages.

As the peak value is too low against the limit, So the Quasi-Peak value and average value have been omitted. The scanning waveforms are put in Appendix II.

4. MODIFICATION TO TEST SPECIFICATIONS

[NONE]

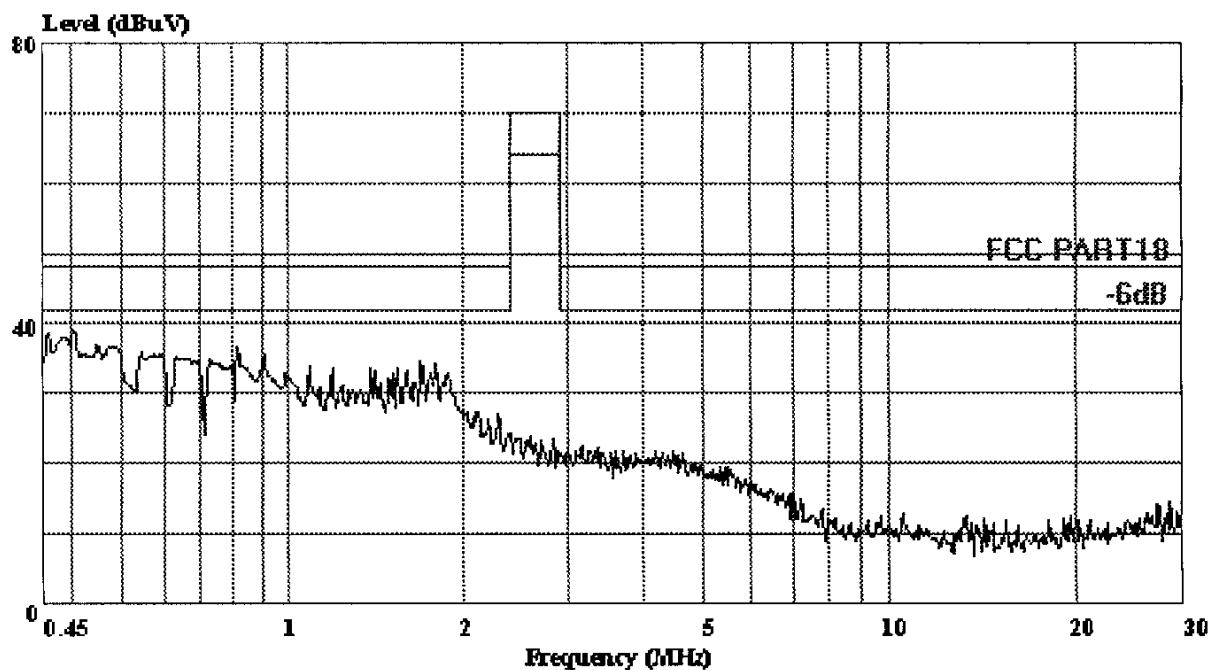
APPENDIX I



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park
Nantou, Guangdong, China
Tel: 0755-6639495~7
Fax: 0755-6632877

Data#: 53 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 21:47:13



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

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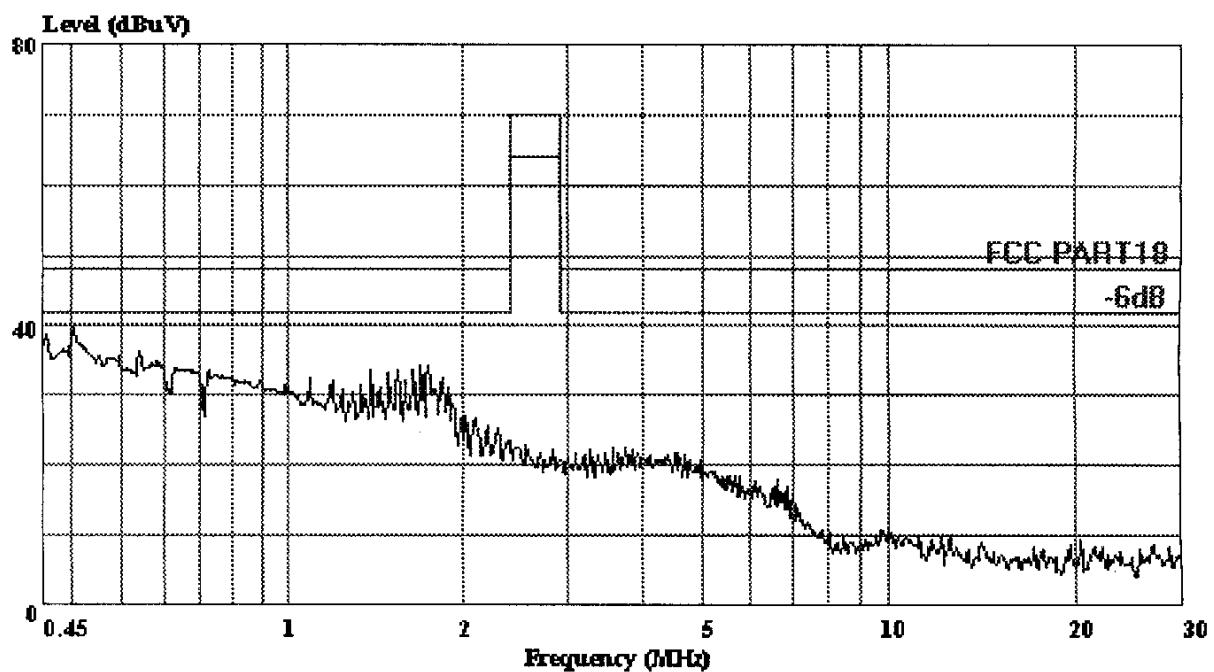
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EUT: : Energy Saving Lamp
M/N: : 1006-18 (ESN/T18)
OP Cond: : On
Tested By:: Sean King
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Shenzhen Science & Ind Park
Nantou, Guangdong, China
Tel: 0755-6639495~7
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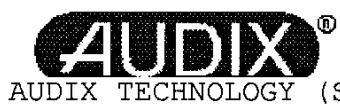


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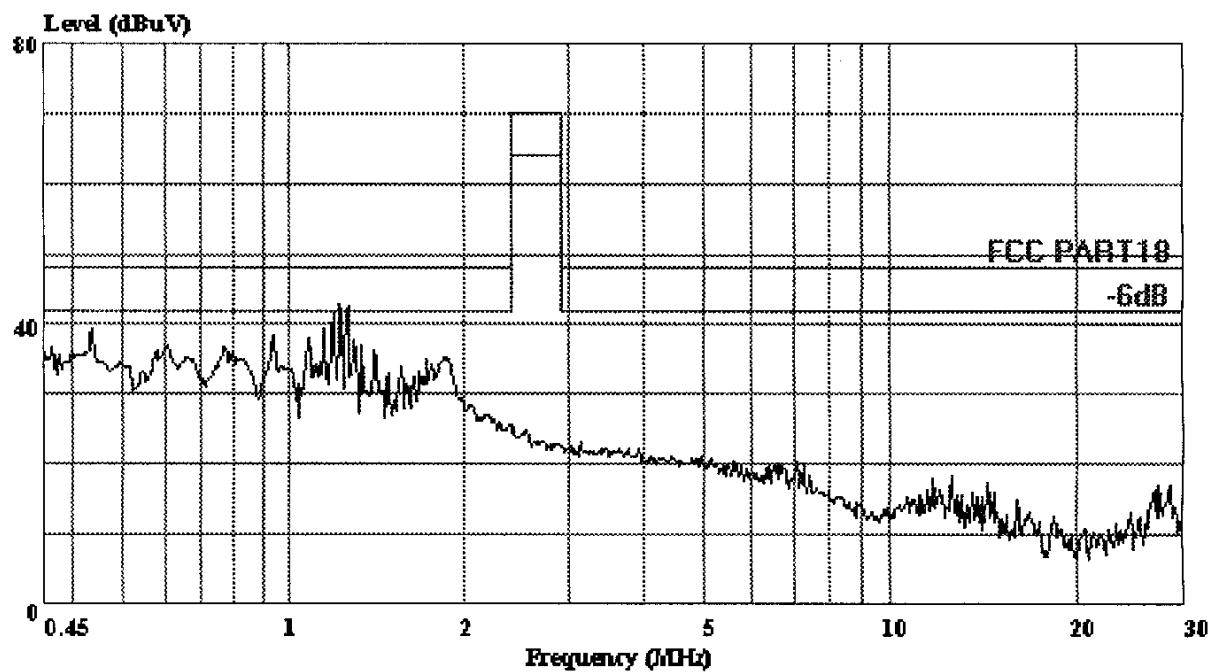
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EUT: : Energy Saving Lamp
M/N: : 1006-18 (ESN/T18)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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Data#: 32 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 19:43:12



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

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Ref Trace:

Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1006-20 (ESN/T20)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%

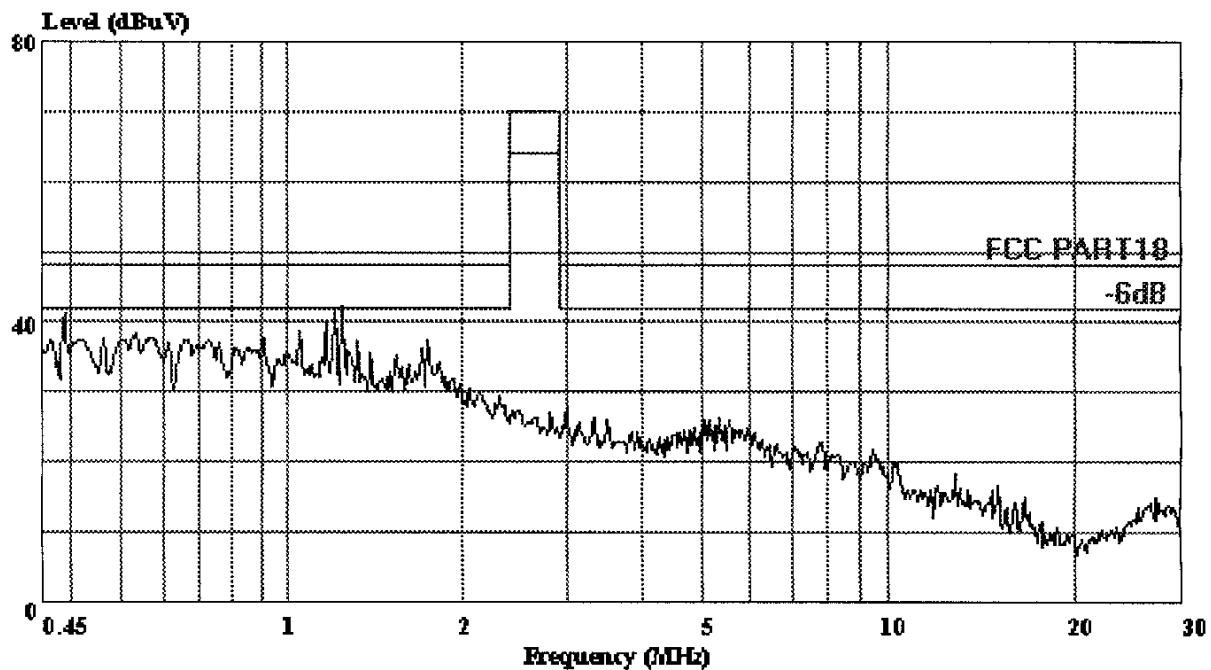


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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Date: 2002-01-29 Time: 19:38:18



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

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Ref Trace:

Condition: FCC PART18

EUT: : Energy Saving Lamp

M/N: : 1006-20 (ESN/T20)

OP Cond: : On

Tested By:: Sean Xing

Test Spec:: 120Vac/60Hz Vb

Comment: : Temp:24'C

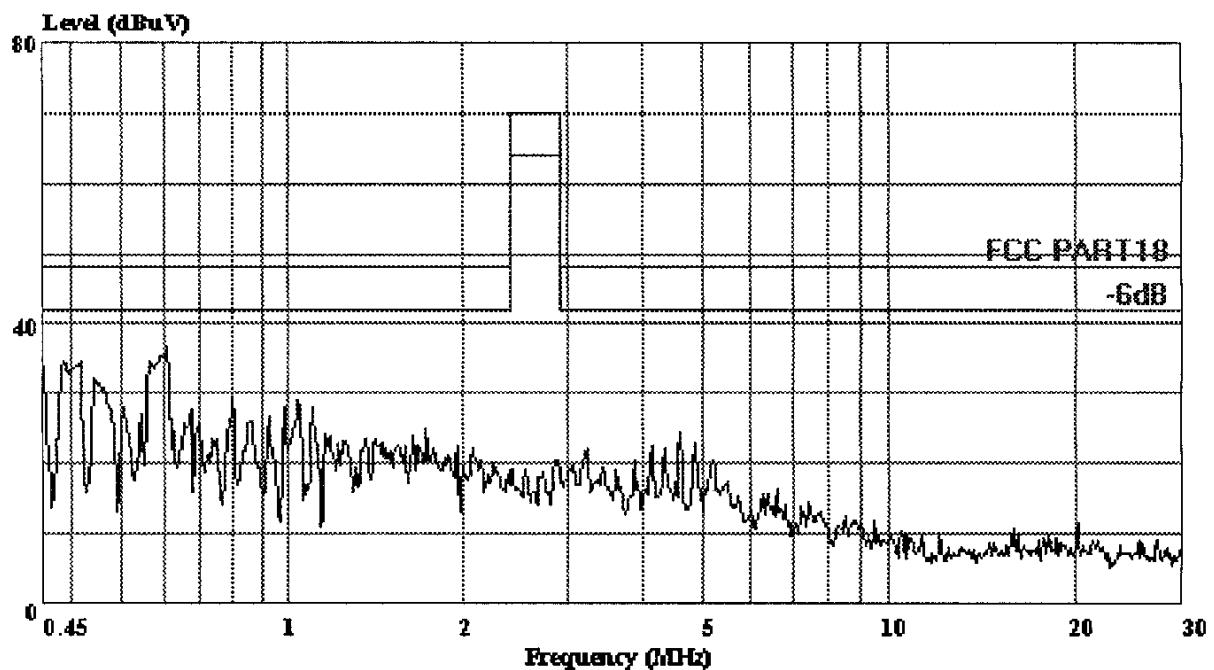
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AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

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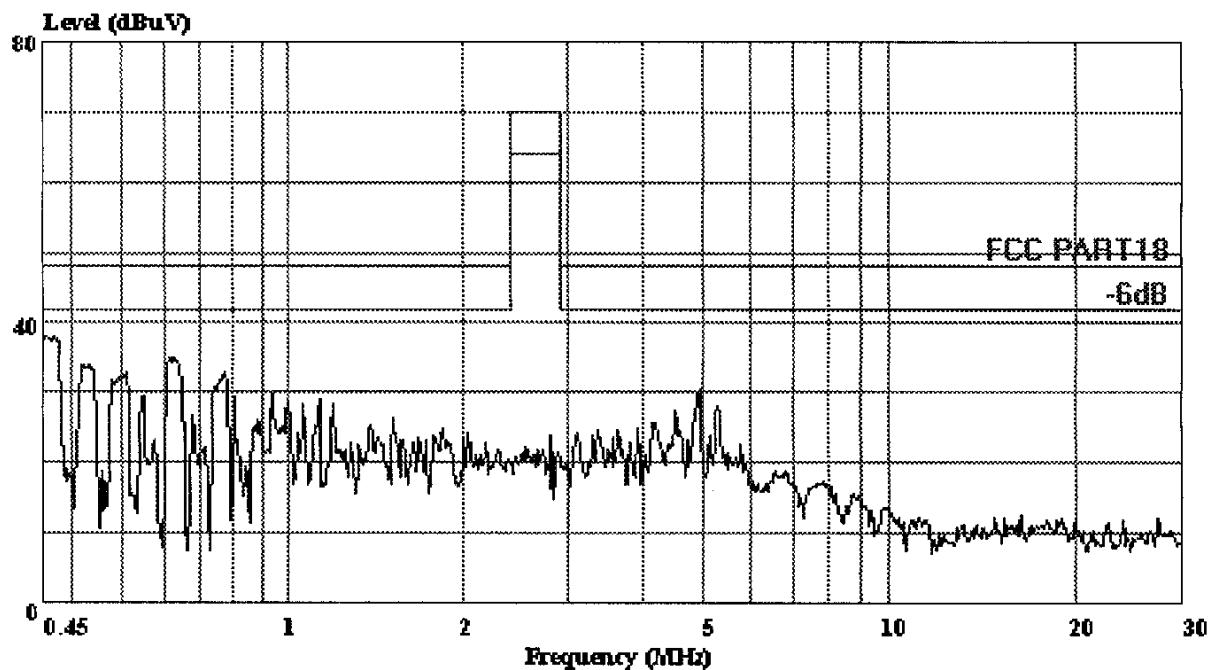
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EUT: : Energy Saving Lamp
M/N: : 1007-3 (ESN/U-3)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



Shenzhen Science & Ind Park
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Tel: 0755-6639495~7
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AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

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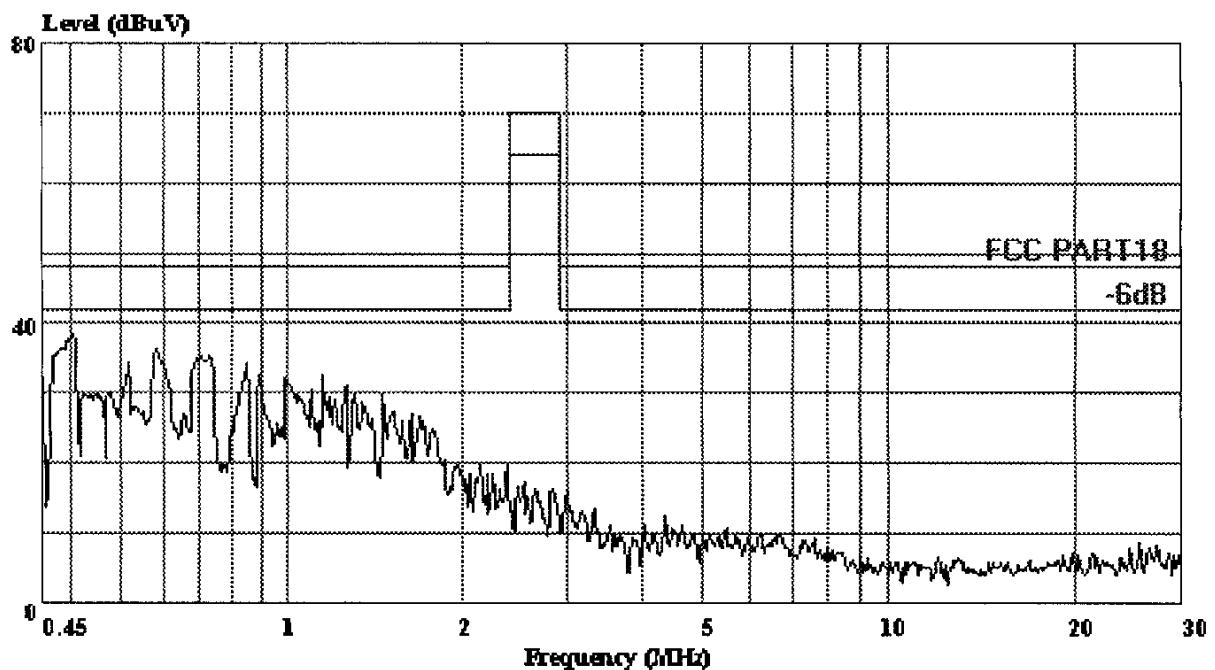
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EUT: : Energy Saving Lamp
M/N: : 1007-3 (ESN/U-3)
OP Cond: : On
Tested By:: Sean King
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

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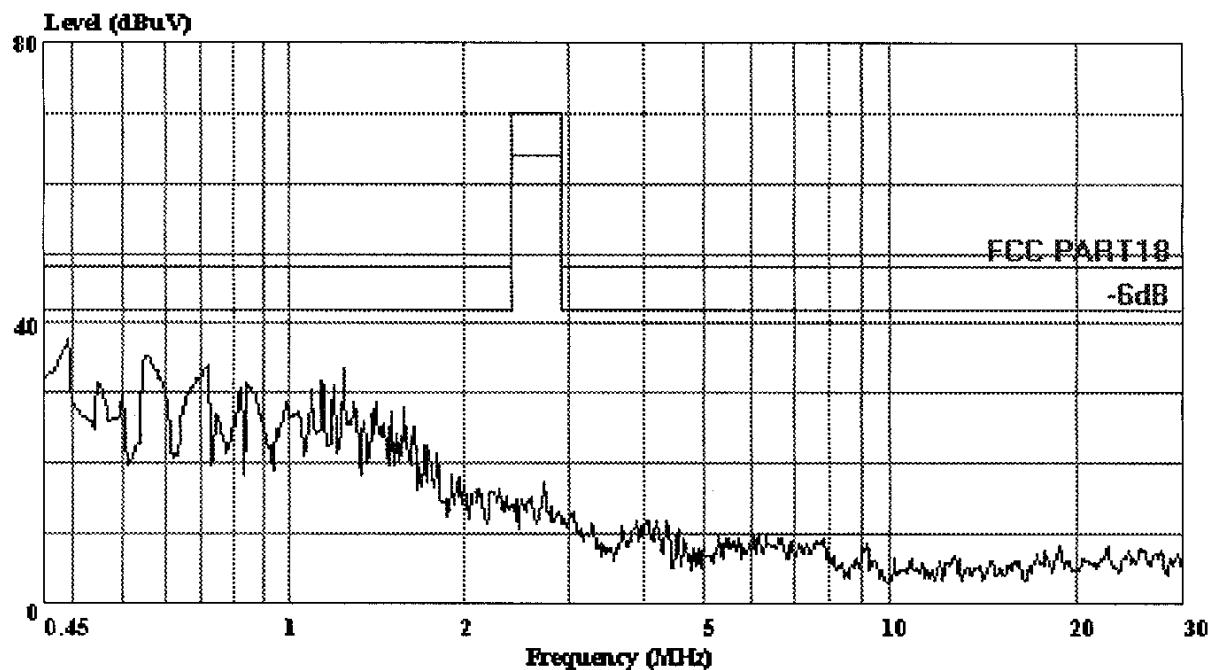
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1007-5 (ESN/U-5)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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Data#: 47 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 21:15:38



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

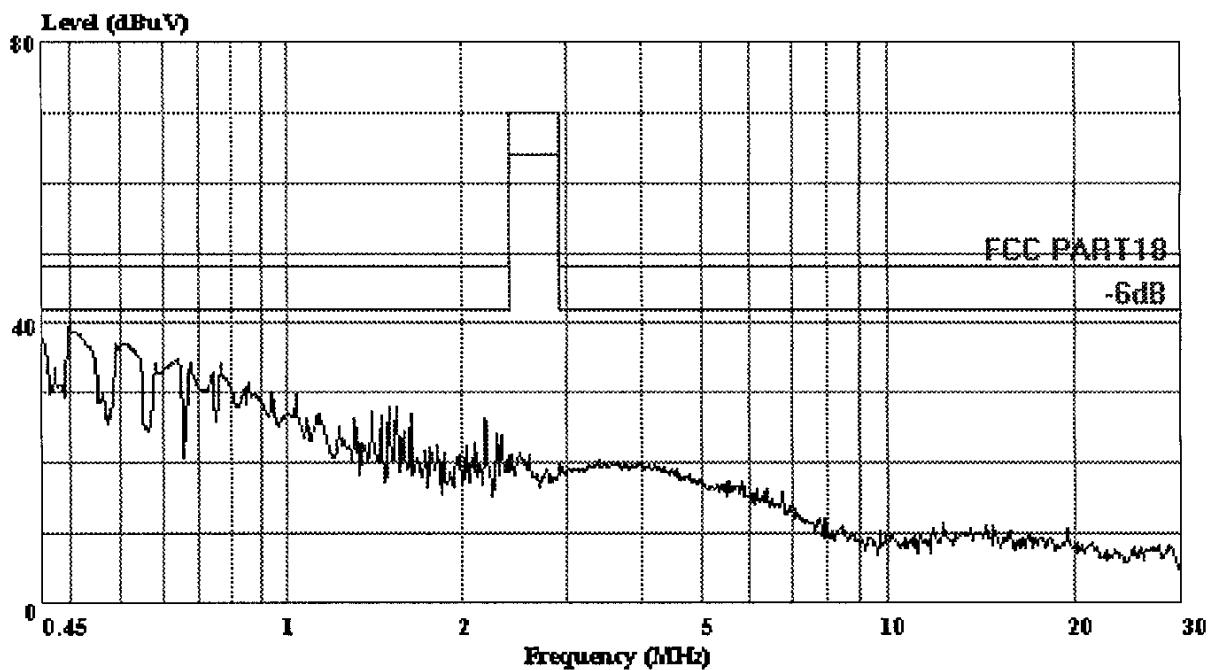
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1007-5 (ESN/U-5)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



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Fax: 0755-6632877

Data#: 45 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 21:07:17

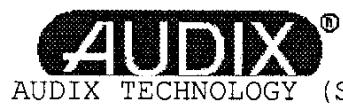


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

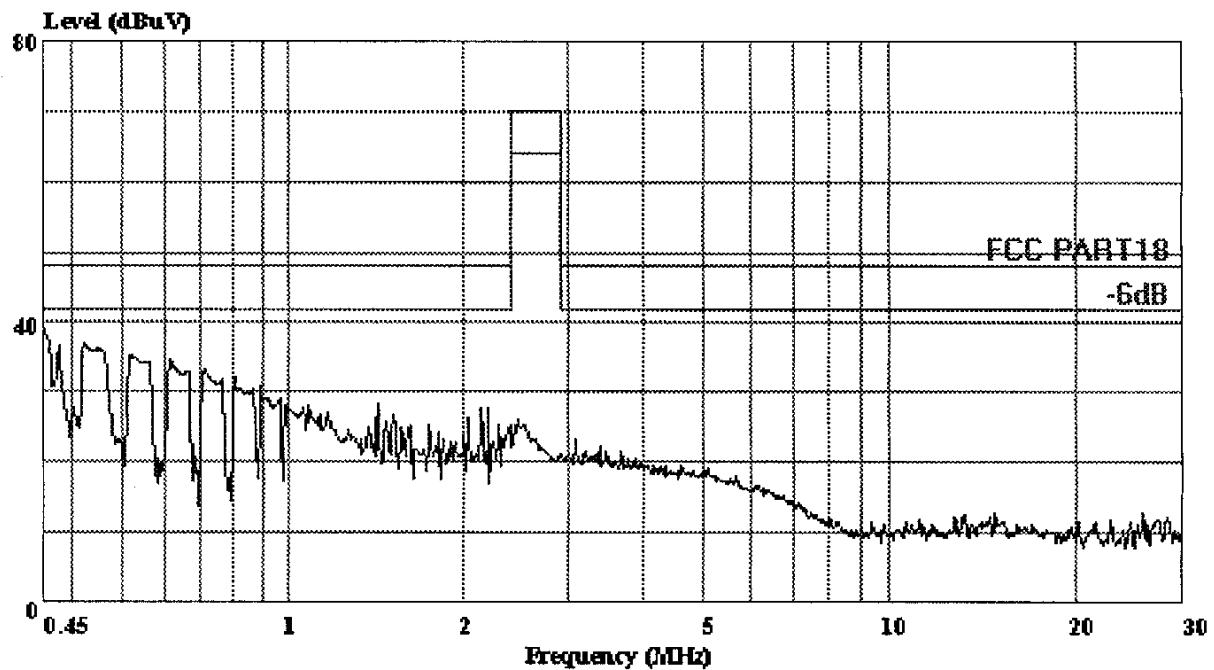
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1007-7 (ESN/U-7)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



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Fax: 0755-6632877

Data#: 46 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 21:11:24



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

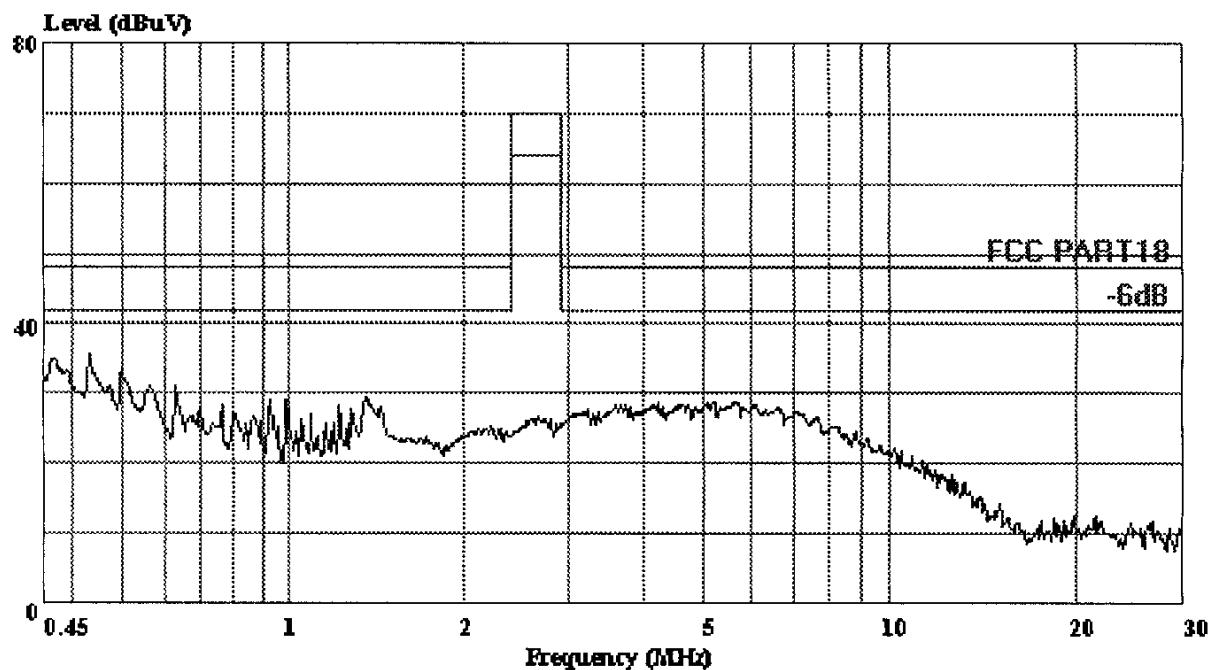
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1007-7 (ESN/U-7)
OP Cond: : On
Tested By:: Sean King
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



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Data#: 44 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 21:02:14

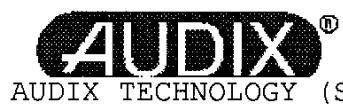


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

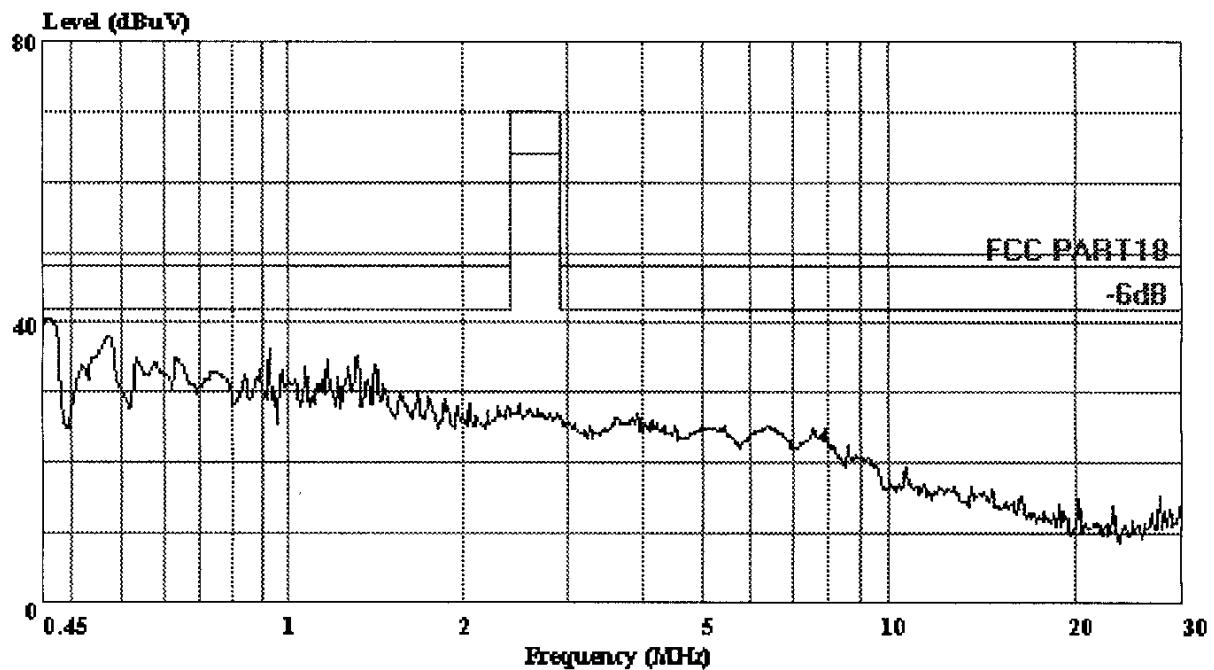
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1007-9 (ESN/U-9)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



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Data#: 43 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 20:40:28



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

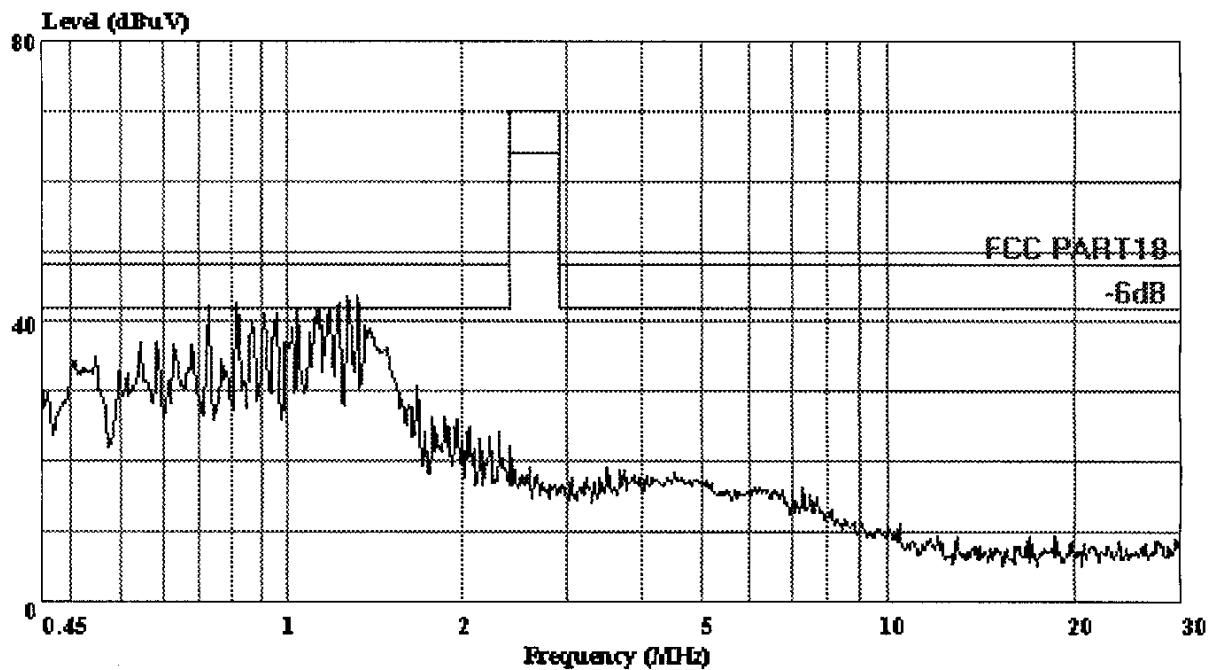
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1007-9 (ESN/U-9)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



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Data#: 15 File#: Golden U Land Lighting.EMI
Date: 2002-01-28 Time: 16:19:41



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1008-7 (EUT/U-7)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%

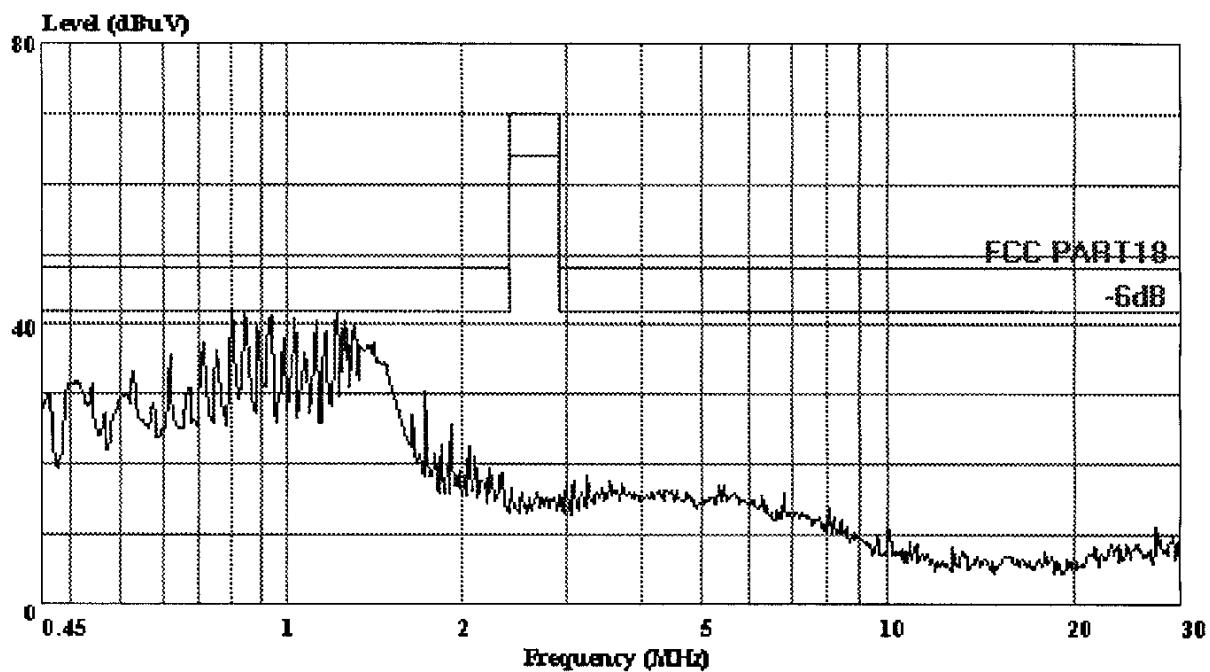


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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Fax: 0755-6632877

Data#: 16 File#: Golden U Land Lighting.EMI

Date: 2002-01-28 Time: 16:32:56



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

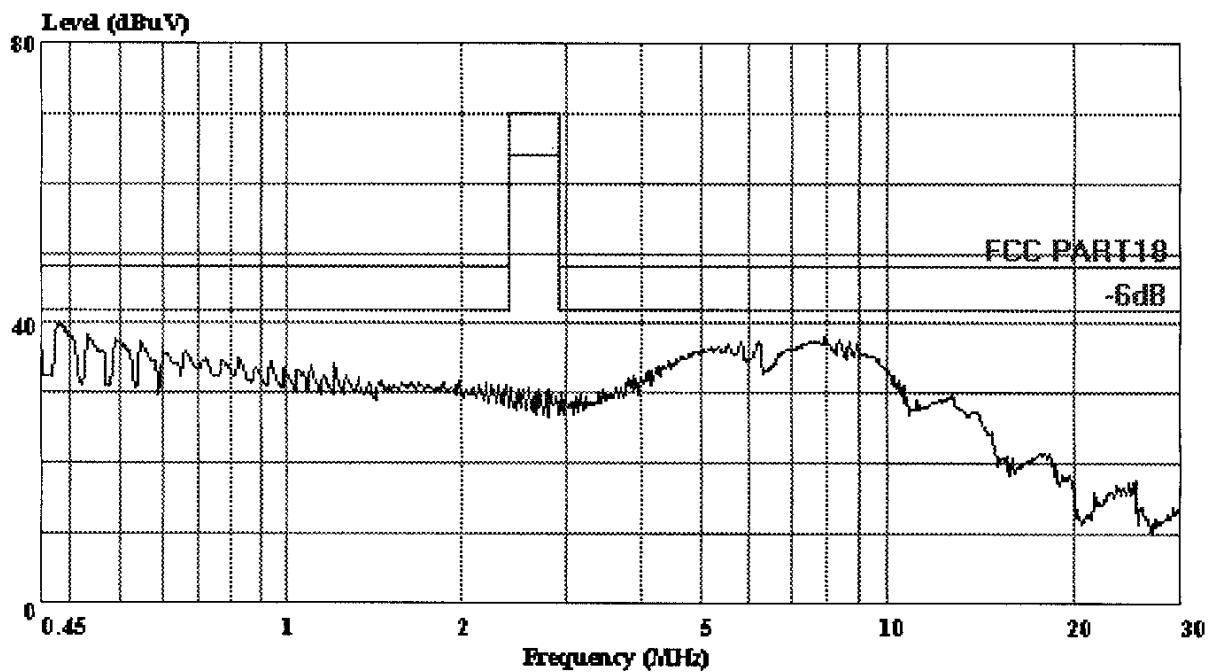
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1008-7 (EUT/U-7)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



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Data#: 18 File#: Golden U Land Lighting.EMI
Date: 2002-01-28 Time: 16:54:08



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1008-9 (EUT/U-9)
OP Cond: : On
Tested By:: Sean King
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%

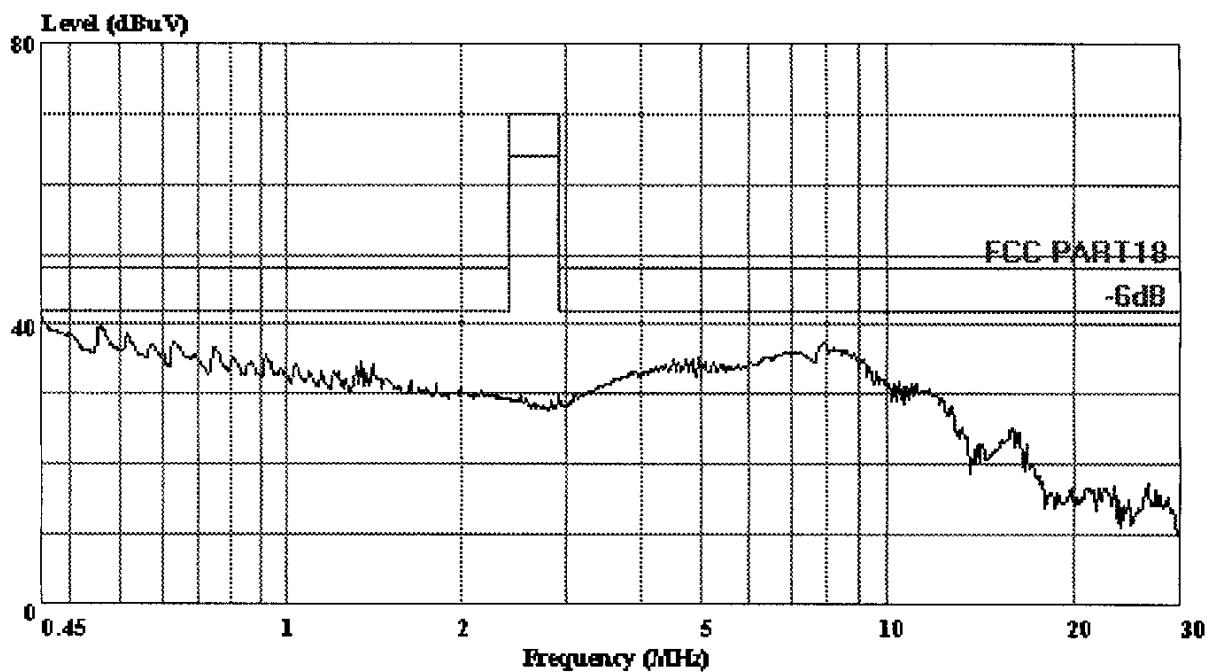


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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Data#: 17 File#: Golden U Land Lighting.EMI

Date: 2002-01-28 Time: 16:43:44



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

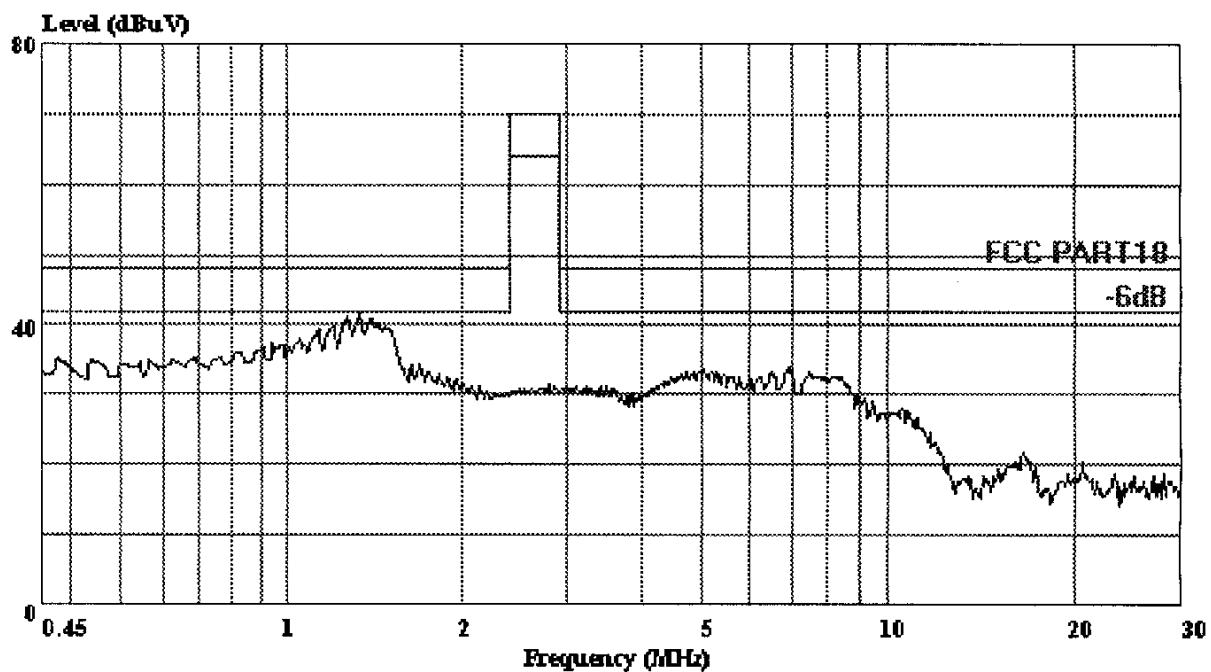
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1008-9 (EUT/U-9)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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Data#: 21 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 13:57:23



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

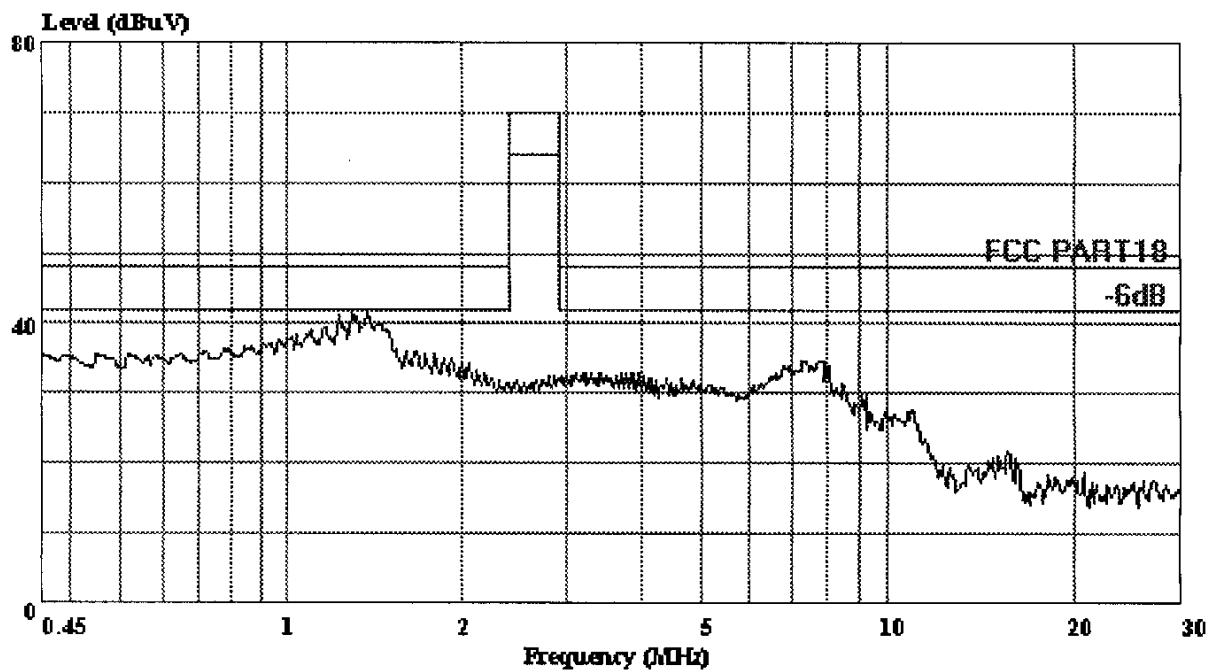
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1008-11 (EUT/U-11)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



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Data#: 20 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 13:49:22



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

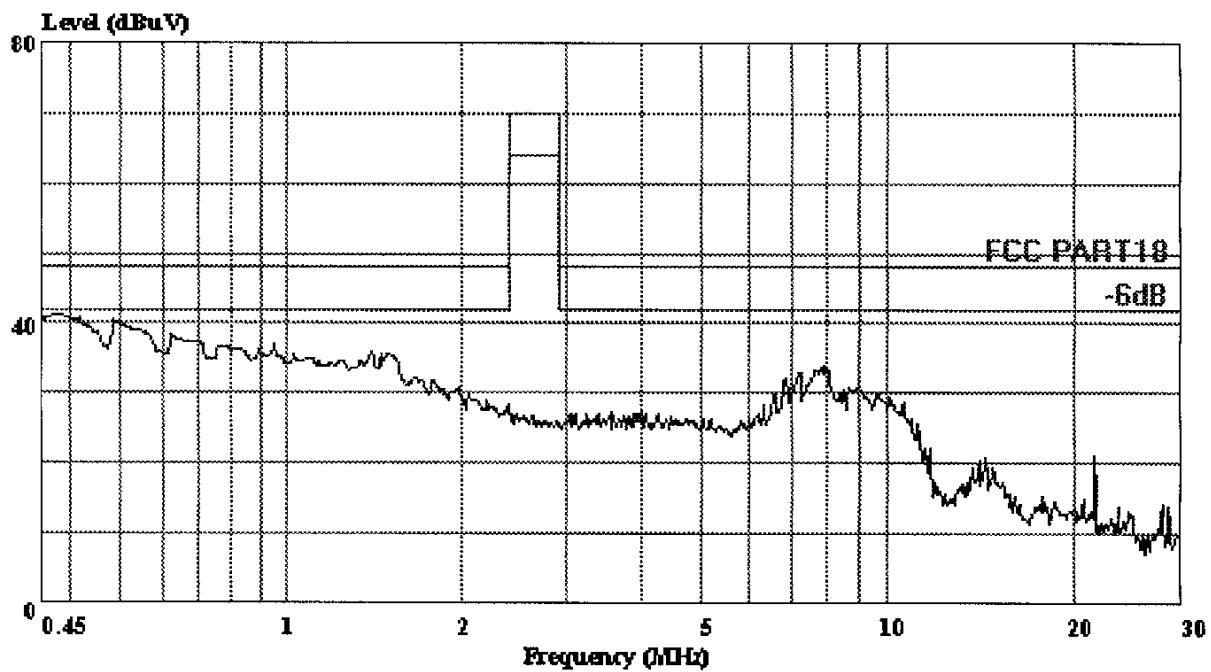
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1008-11 (EUT/U-11)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



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Fax: 0755-6632877

Data#: 22 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 14:05:44



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

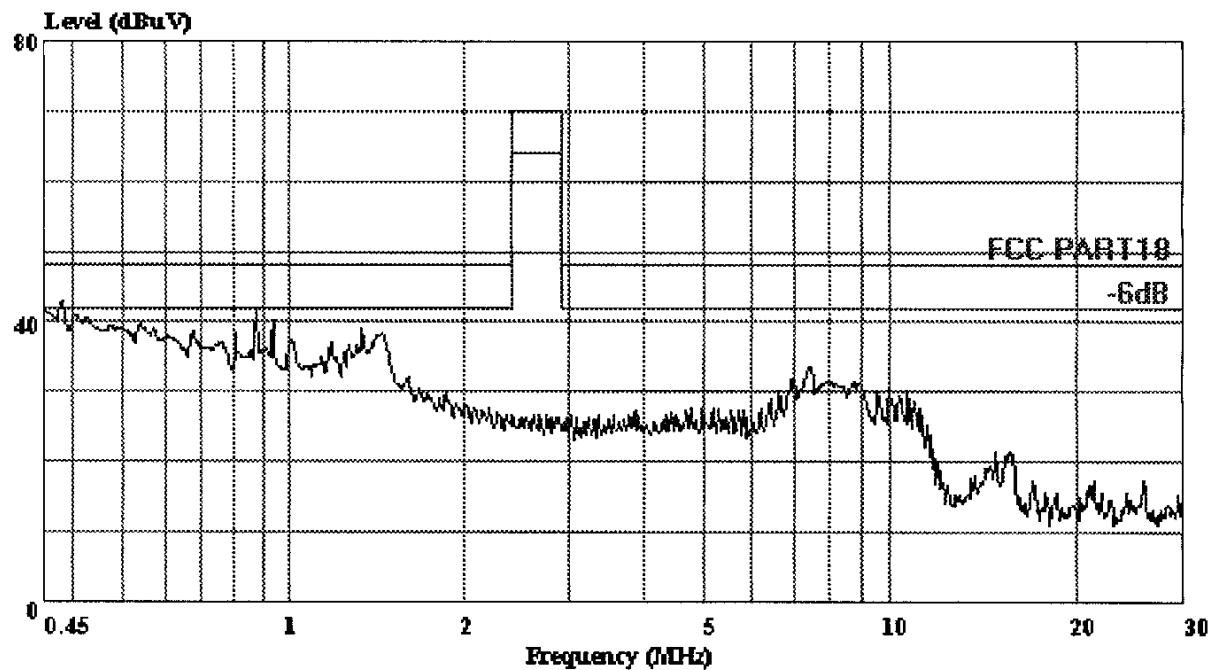
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1008-15 (EUT/U-15)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



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Data#: 23 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 14:12:30



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

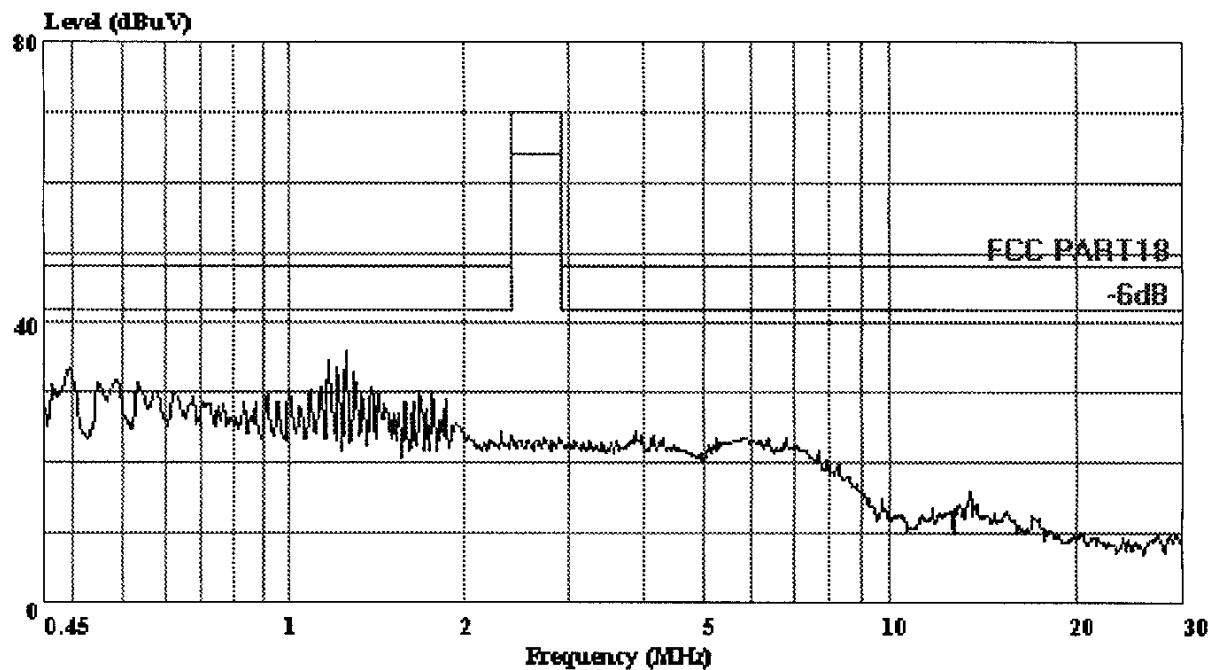
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1008-15 (EUT/U-15)
OP Cond: : On
Tested By:: Sean King
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



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Data#: 40 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 20:25:20



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

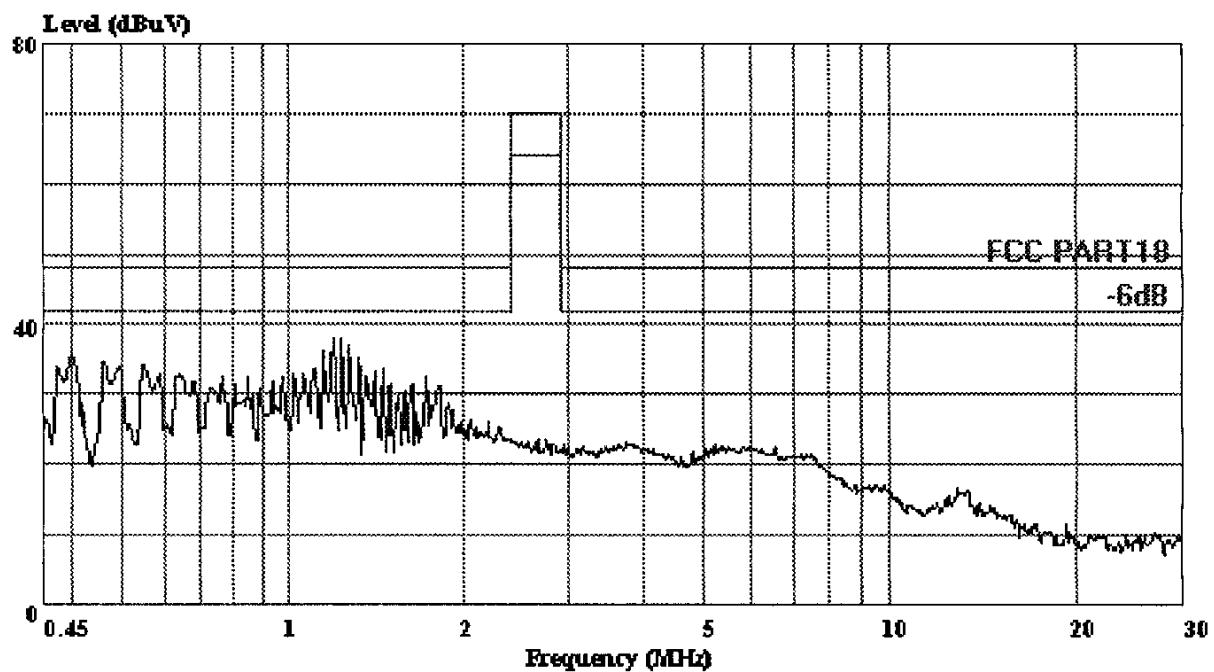
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1009-7 (ESM-7)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



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Data#: 39 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 20:21:10



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

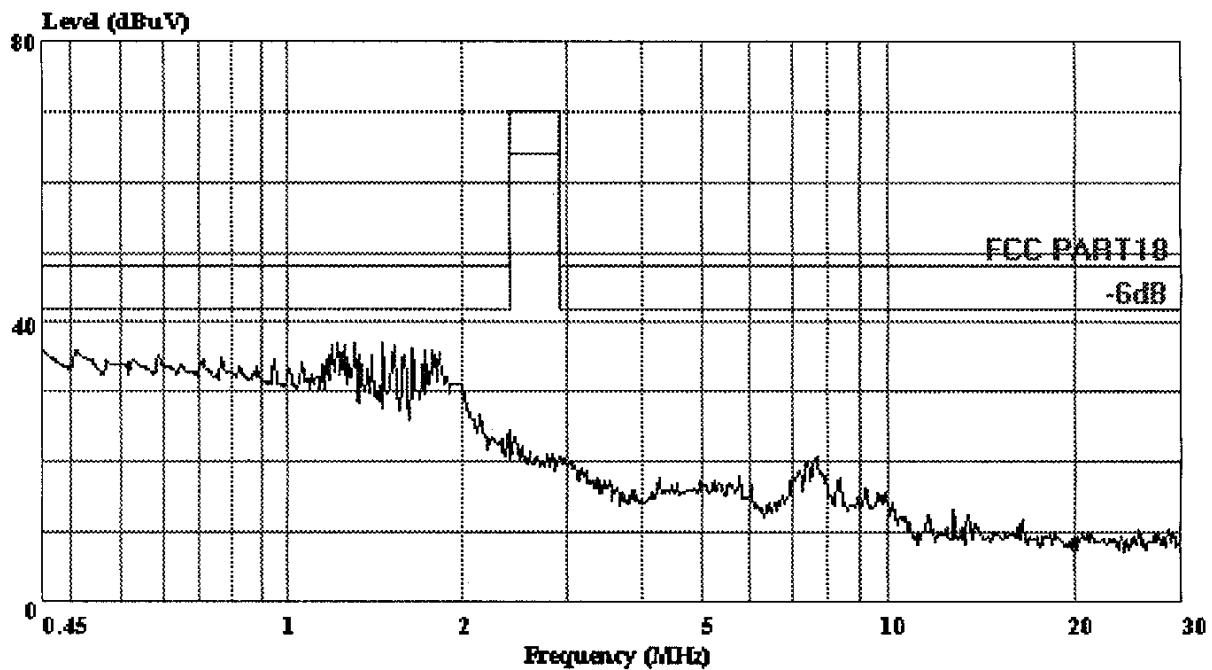
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1009-7 (ESM-7)
OP Cond: : On
Tested By:: Sean King
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



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Data#: 33 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 19:52:07



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

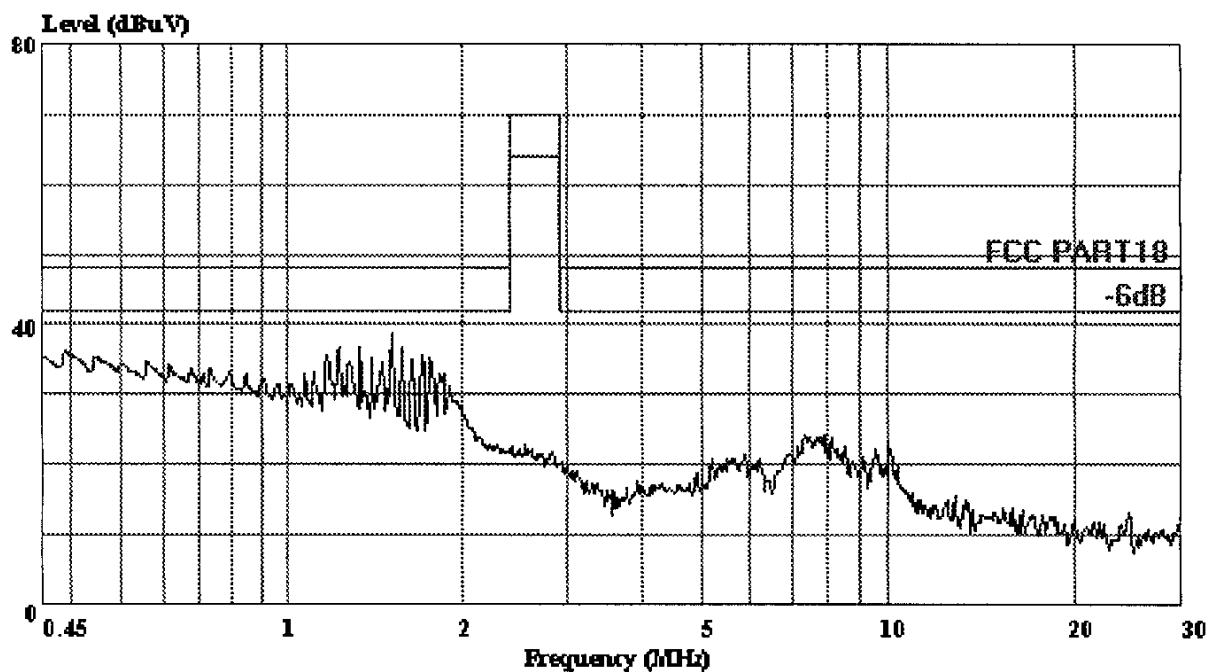
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1009-9 (ESM-9)
OP Cond: : On
Tested By:: Sean King
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



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Fax: 0755-6632877

Data#: 34 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 19:56:18



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

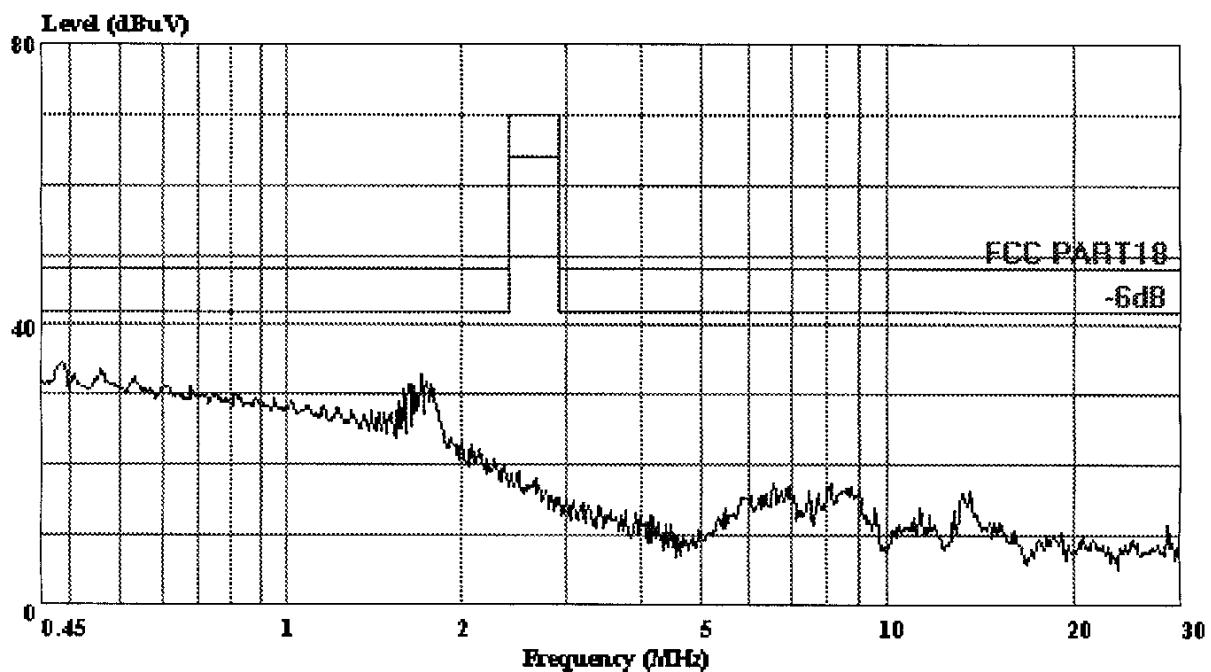
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1009-9 (ESM-9)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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Fax: 0755-6632877

Data#: 37 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 20:10:08



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

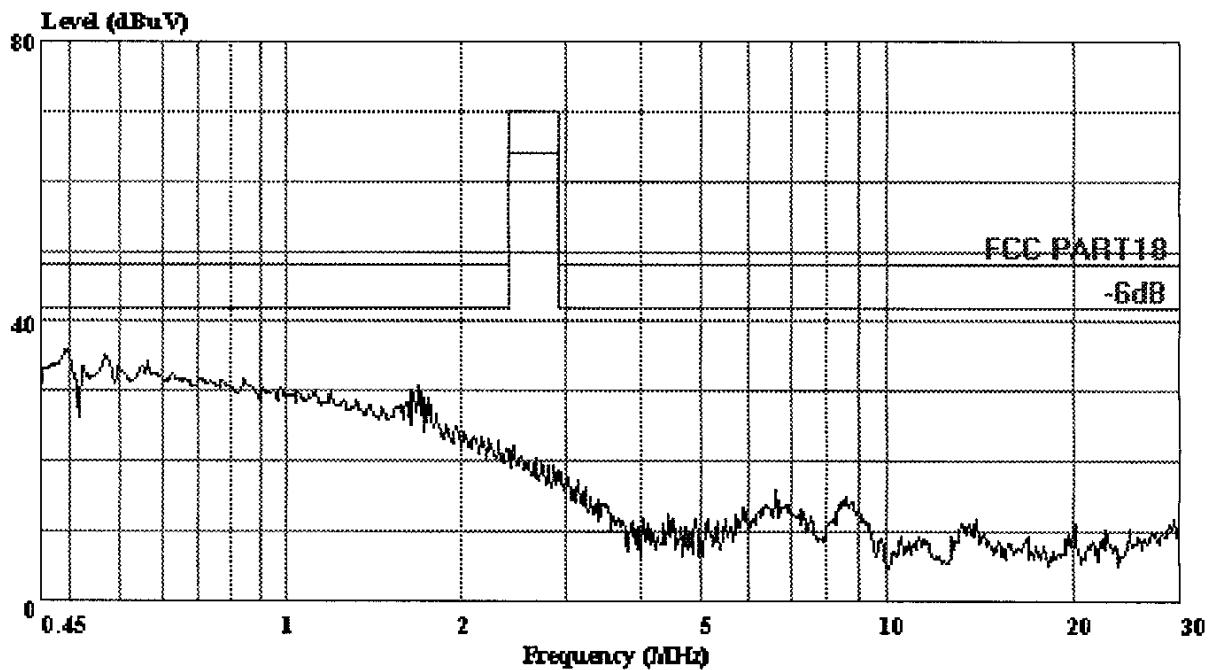
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1009-11 (ESM-11)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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Tel: 0755-6639495~7
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Data#: 38 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 20:14:08

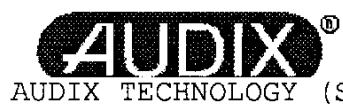


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

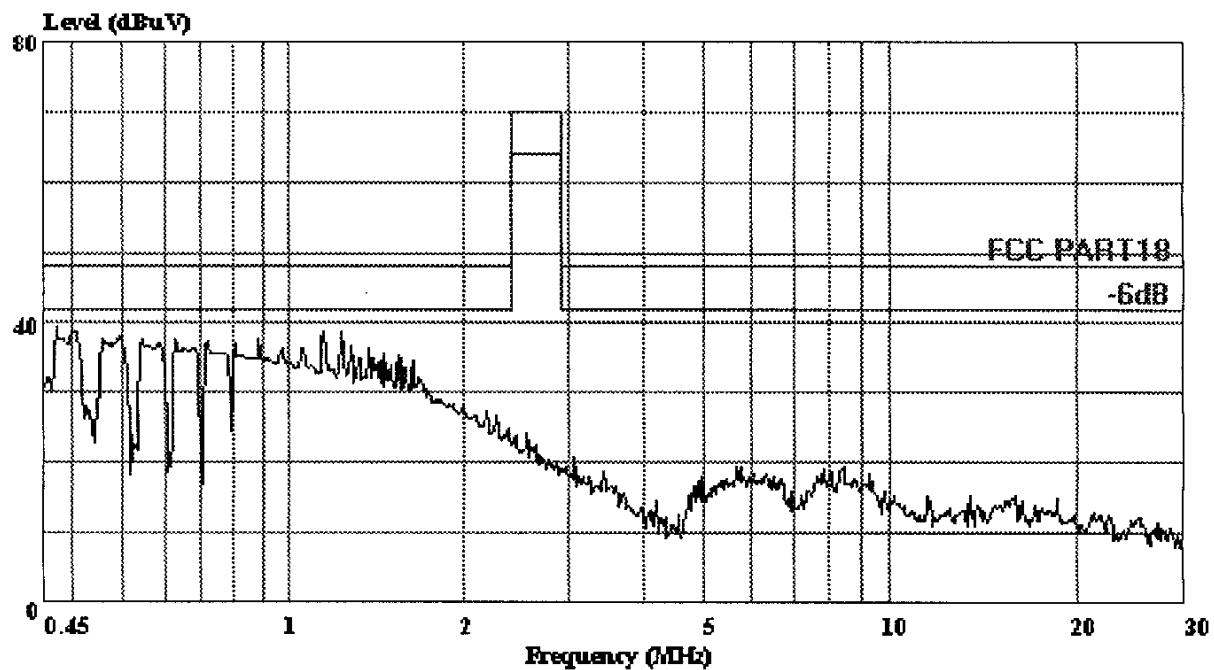
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1009-11 (ESM-11)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



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Data#: 36 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 20:05:18



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

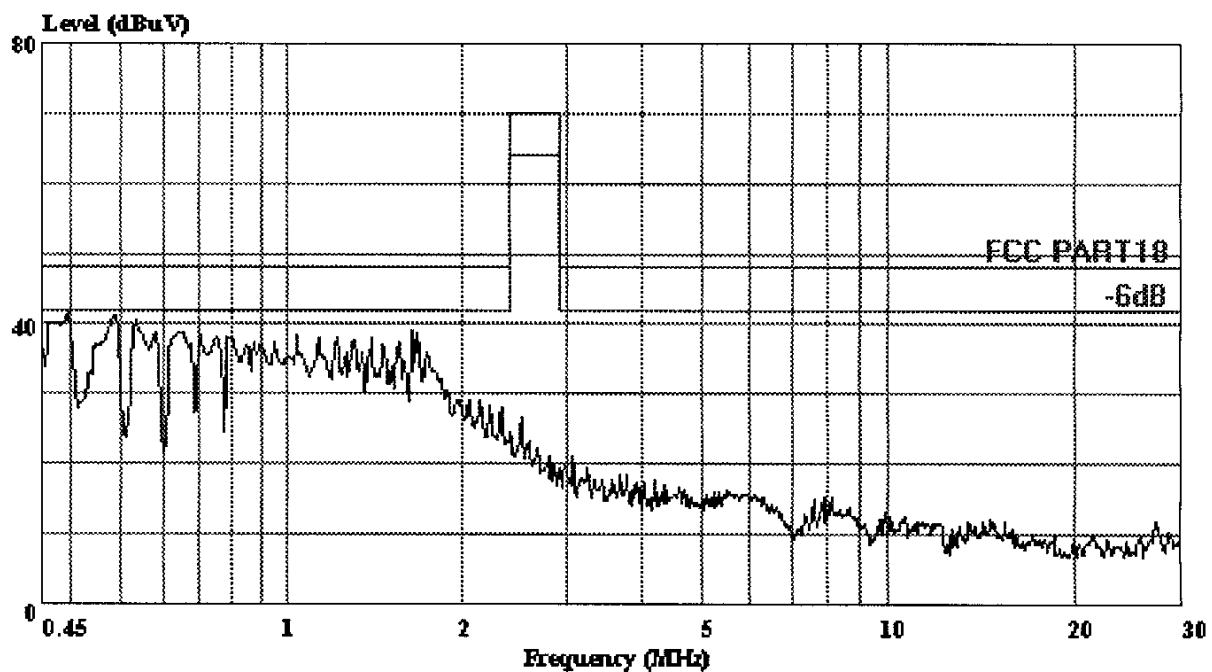
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1009-13 (ESM-13)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



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Data#: 35 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 20:01:11



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

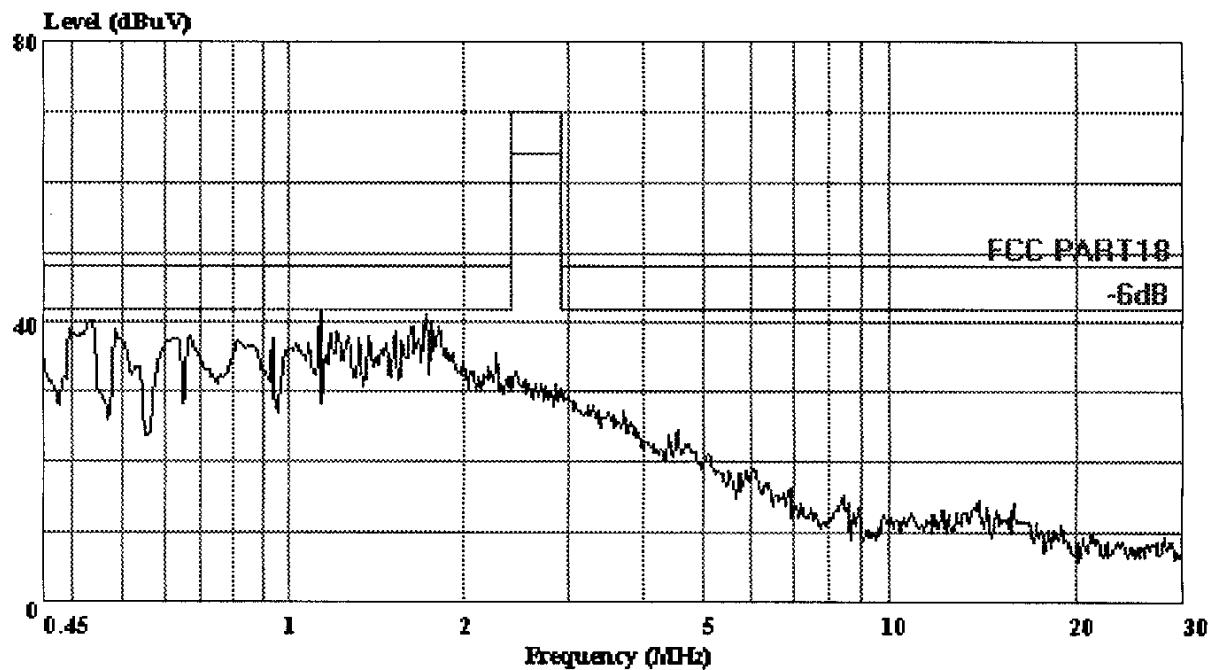
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1009-13 (ESM-13)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



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Data#: 29 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 19:26:11

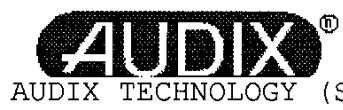


AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

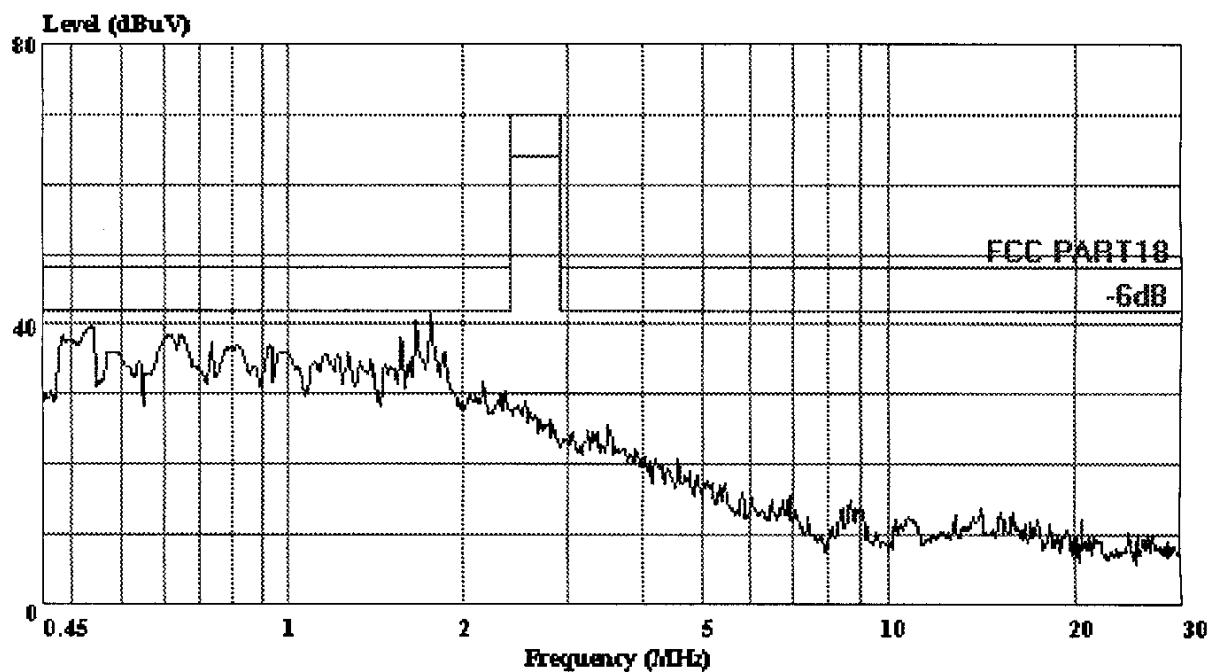
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1009-15
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



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Data#: 30 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 19:32:14



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

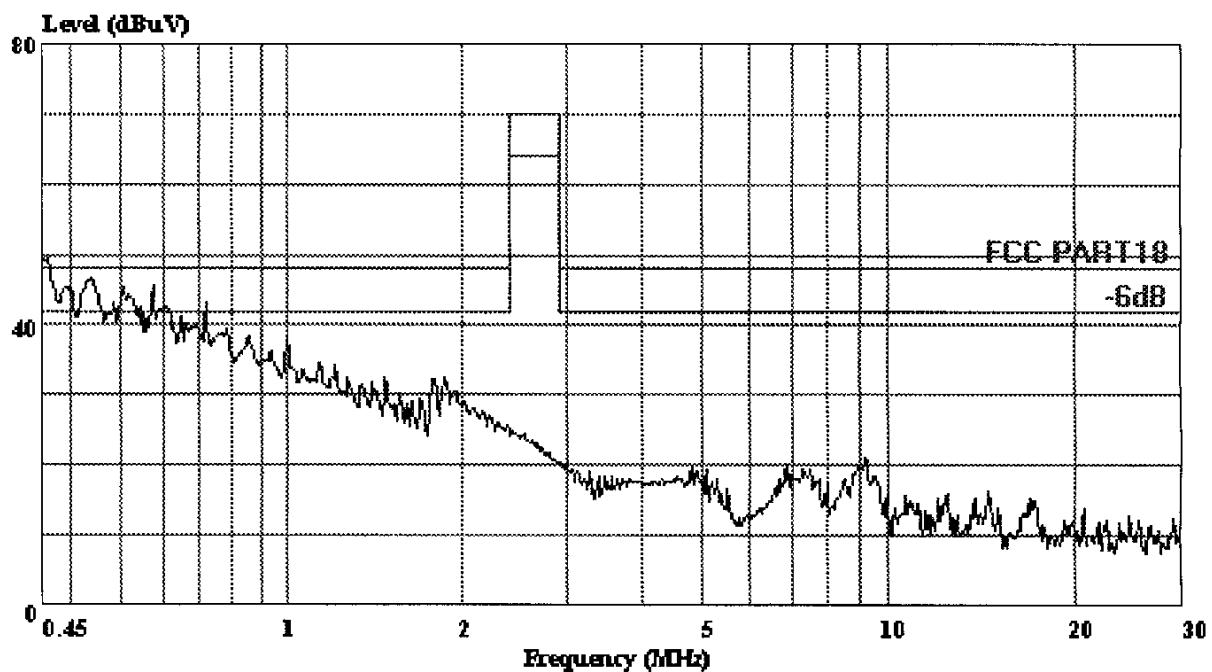
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1009-15 (ESM-15)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



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Data#: 49 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 21:24:28



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

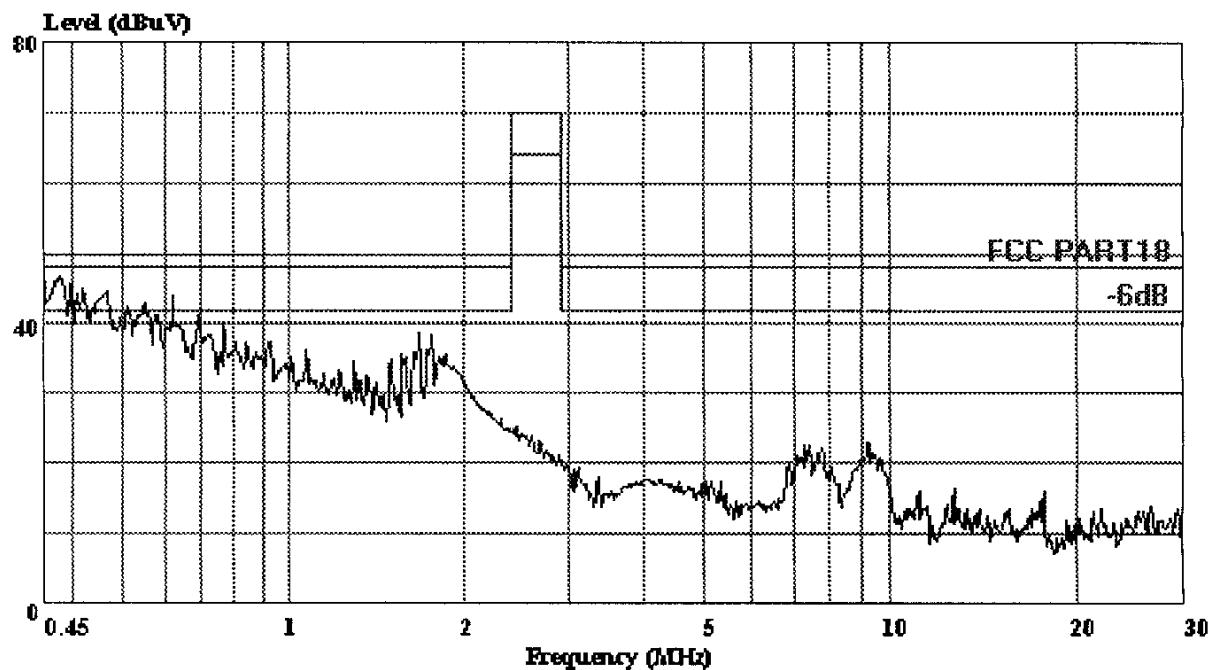
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1006-11 (ESN/T11)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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Fax: 0755-6632877

Data#: 50 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 21:29:06



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

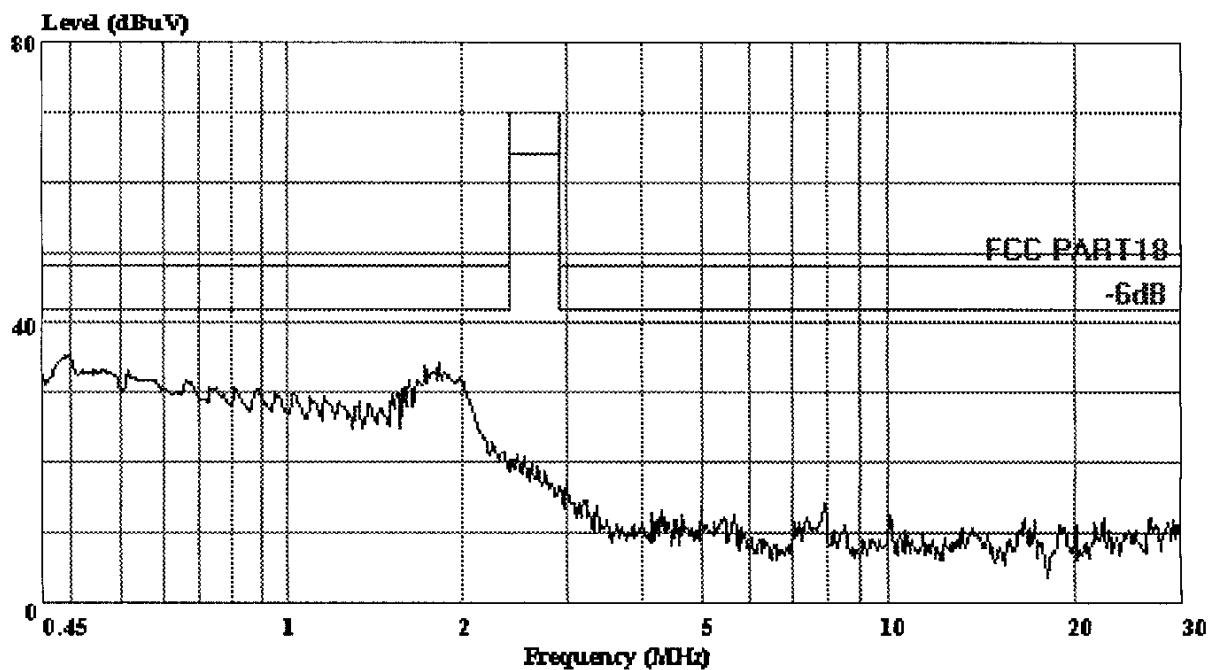
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1006-11 (ESN/T11)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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Tel: 0755-6639495~7
Fax: 0755-6632877

Data#: 52 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 21:37:10



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

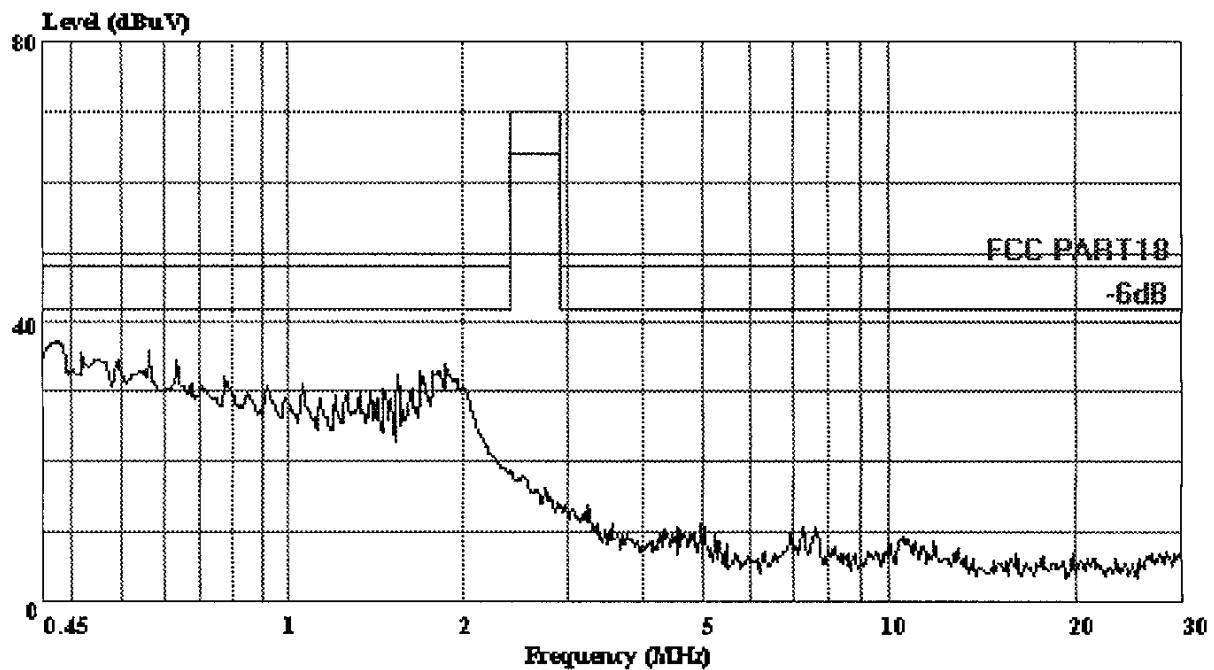
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1006-15 (ESN/T15)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Va
Comment: : Temp:24'C
: Humi:56%



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

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Fax: 0755-6632877

Data#: 51 File#: Golden U Land Lighting.EMI
Date: 2002-01-29 Time: 21:33:32



AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. (Audix ATC)

Trace:

Ref Trace:

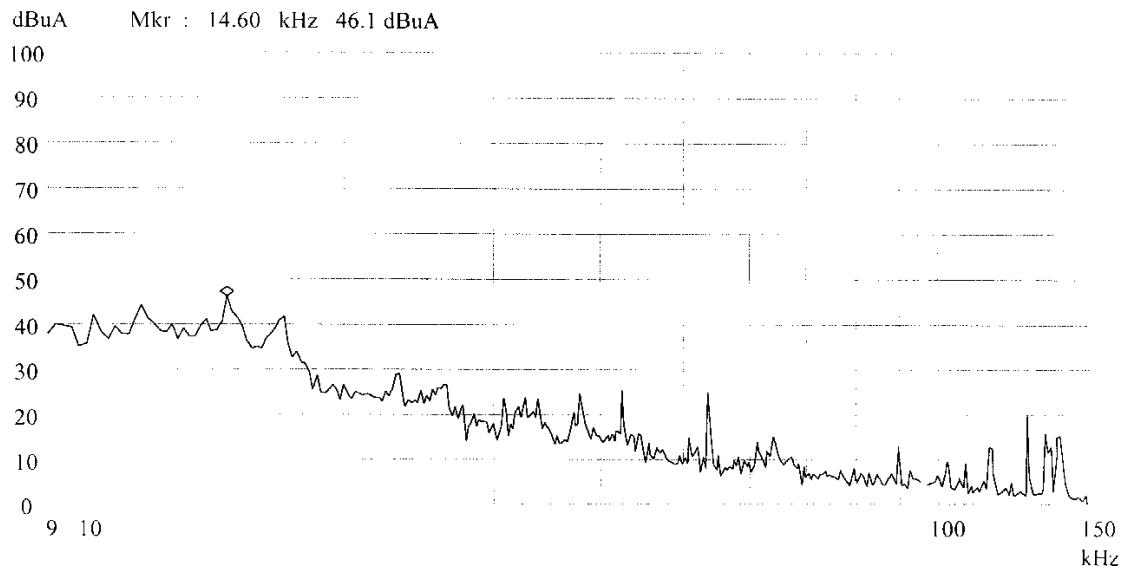
Condition: FCC PART18
EUT: : Energy Saving Lamp
M/N: : 1006-15 (ESN/T15)
OP Cond: : On
Tested By:: Sean Xing
Test Spec:: 120Vac/60Hz Vb
Comment: : Temp:24'C
: Humi:56%

APPENDIX II

Emission Test FCC PART 18

31. Jan 02 19:44

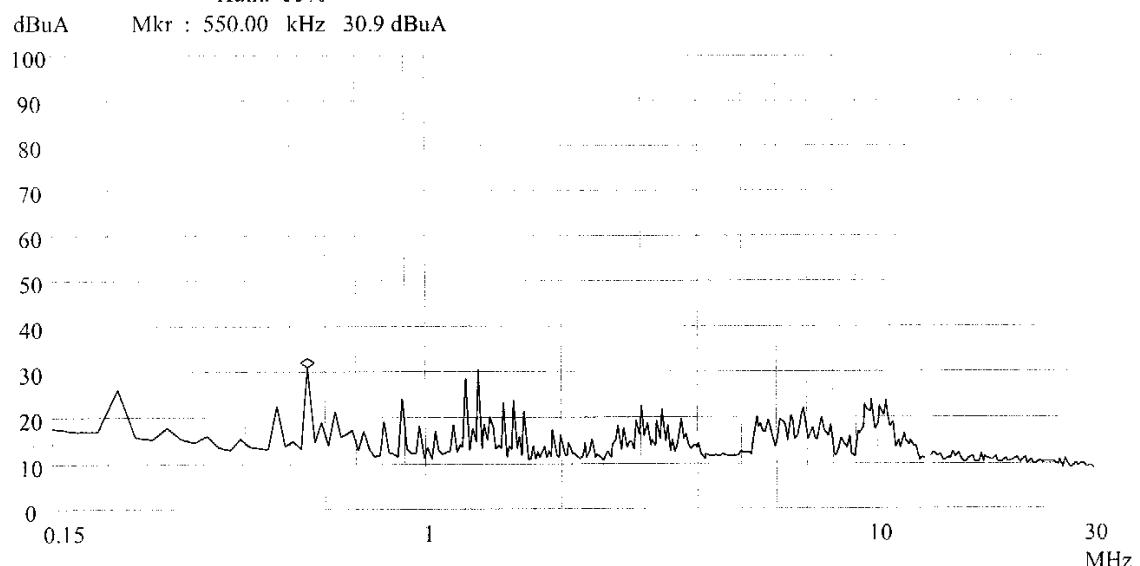
EUT: ENERGY SAVING LAMP M/N:1006-11(ESN/T11)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 19:47

EUT: ENERGY SAVING LAMP M/N:1006-11(ESN/T11)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%

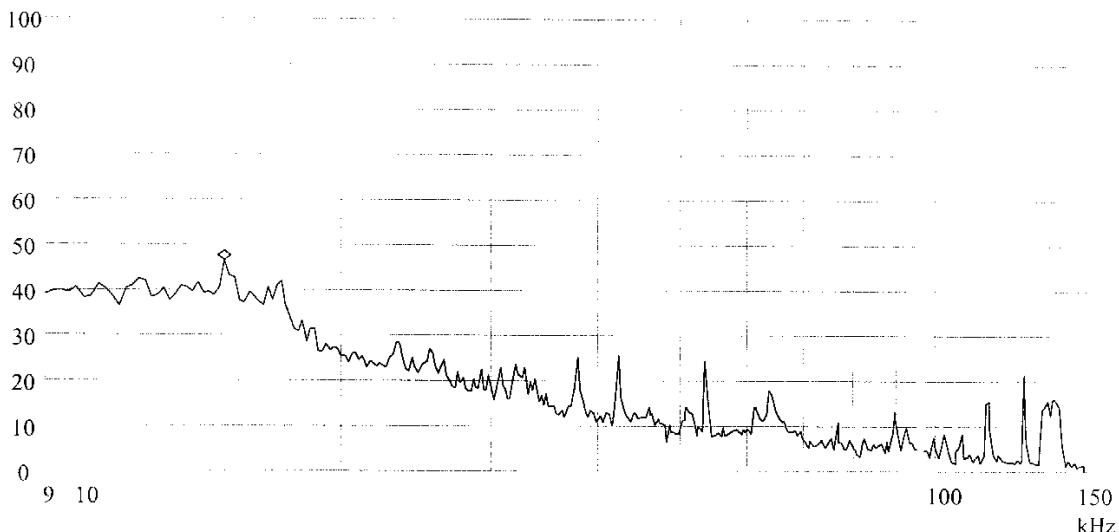


Emission Test FCC PART 18

31. Jan 02 19:53

EUT: ENERGY SAVING LAMP M/N:1006-15(ESN/T15)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
 Humi 55%

dBuA Mkr : 14.60 kHz 46.6 dBuA

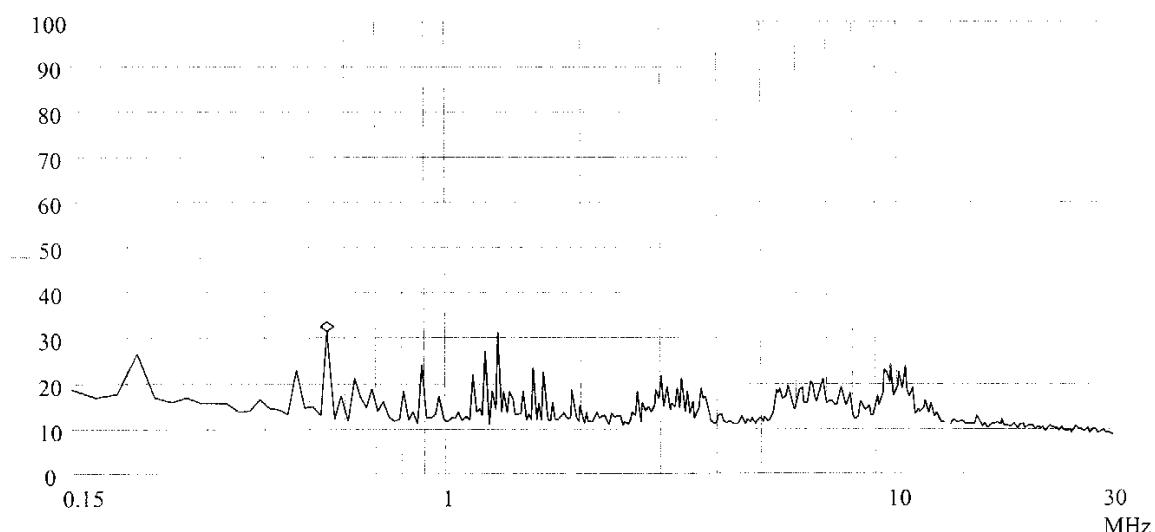


Emission Test FCC PART 18

31. Jan 02 19:51

EUT: ENERGY SAVING LAMP M/N:1006-15(ESN/T15)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
 Humi 55%

dBuA Mkr : 550.00 kHz 31.4 dBuA

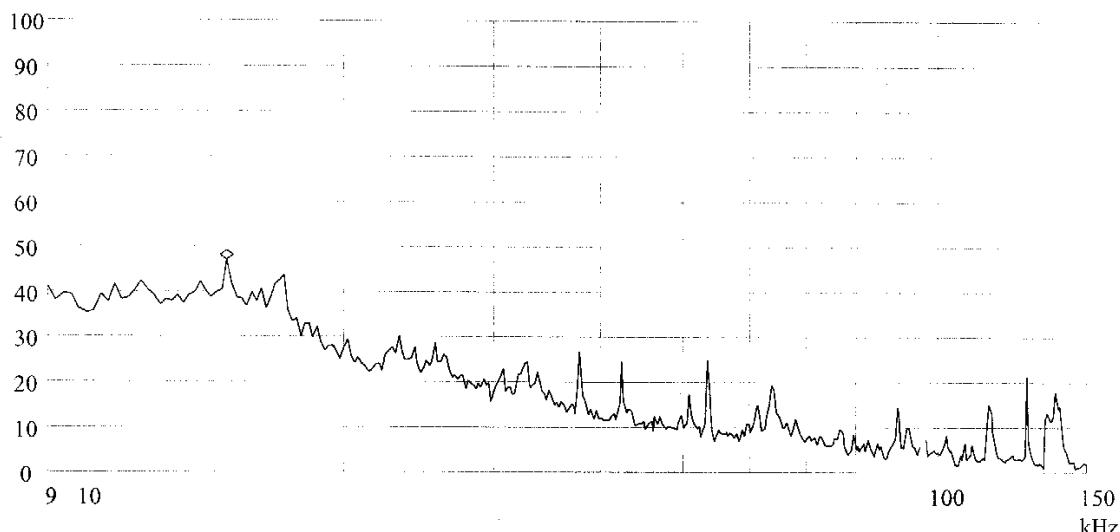


Emission Test FCC PART 18

31. Jan 02 19:58

EUT: ENERGY SAVING LAMP M/N:1006-18(ESN/T18)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%

dBuA Mkr : 14.60 kHz 47.0 dBuA

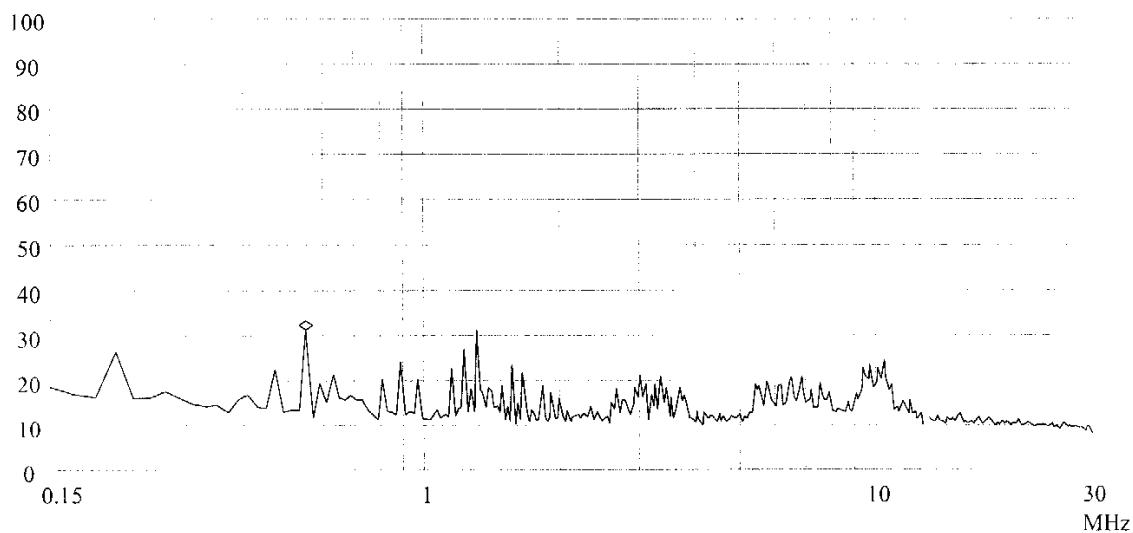


Emission Test FCC PART 18

31. Jan 02 20:01

EUT: ENERGY SAVING LAMP M/N:1006-18(ESN/T18)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%

dBuA Mkr : 550.00 kHz 31.3 dBuA

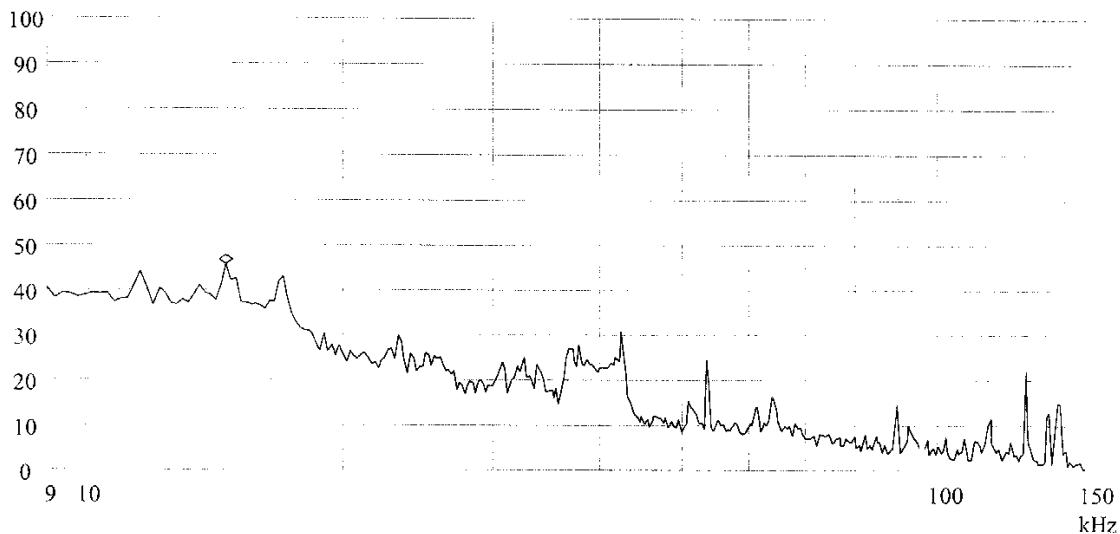


Emission Test FCC PART 18

31. Jan 02 20:07

EUT: ENERGY SAVING LAMP M/N:1006-20(ESN/T20)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%

dBuA Mkr : 14.60 kHz 45.6 dBuA

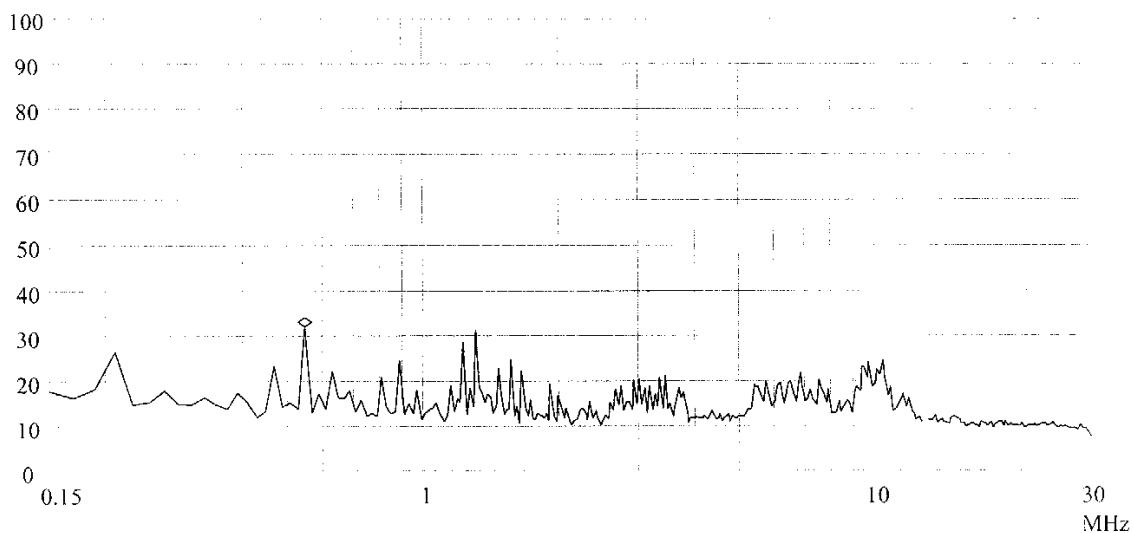


Emission Test FCC PART 18

31. Jan 02 20:05

EUT: ENERGY SAVING LAMP M/N:1006-20(ESN/T20)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%

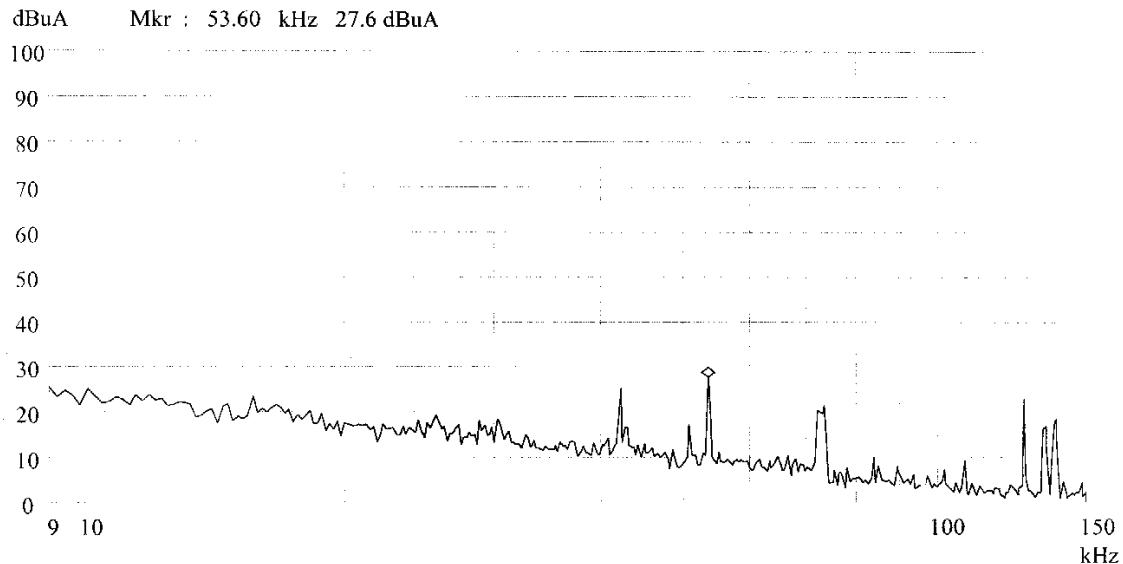
dBuA Mkr : 550.00 kHz 32.0 dBuA



Emission Test FCC PART 18

31. Jan 02 10:08

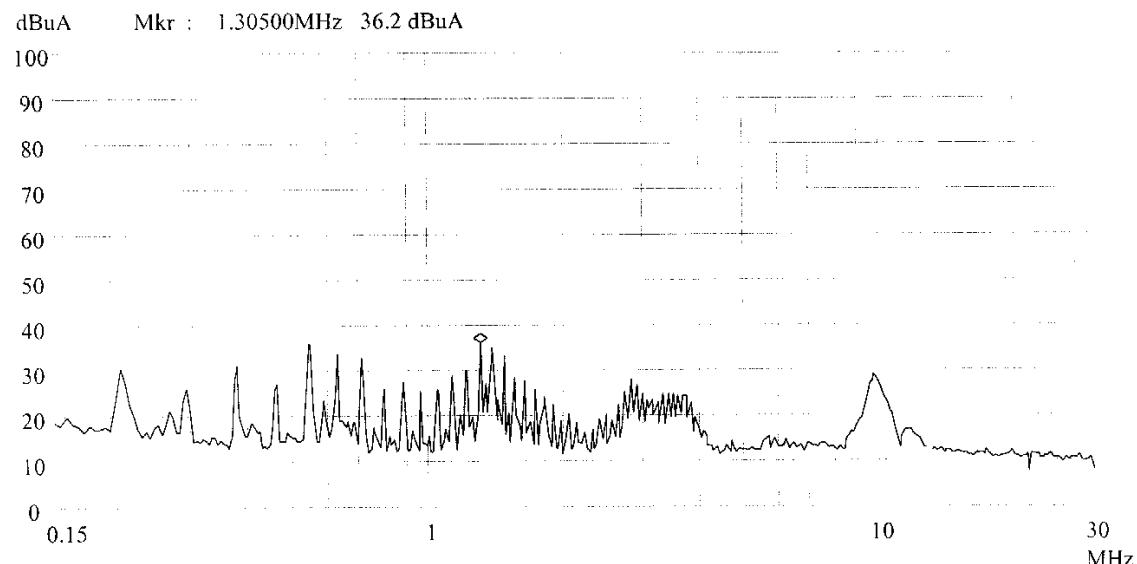
EUT: ENERGY SAVING LAMP M/N:1007-3(ESN/U-3)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 10:02

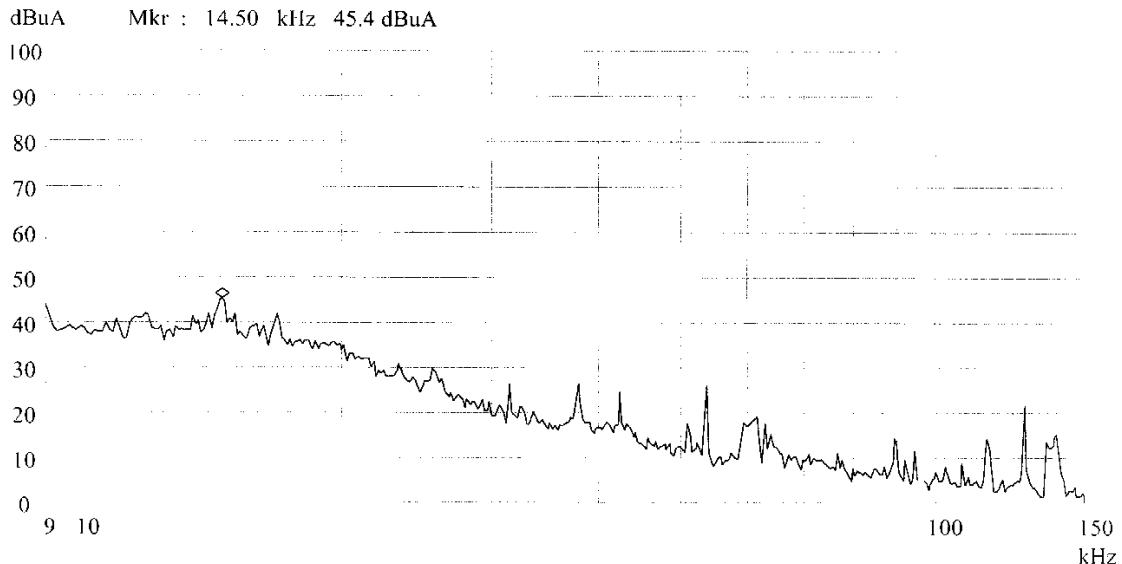
EUT: ENERGY SAVING LAMP M/N:1007-3(ESN/U-3)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 18:32

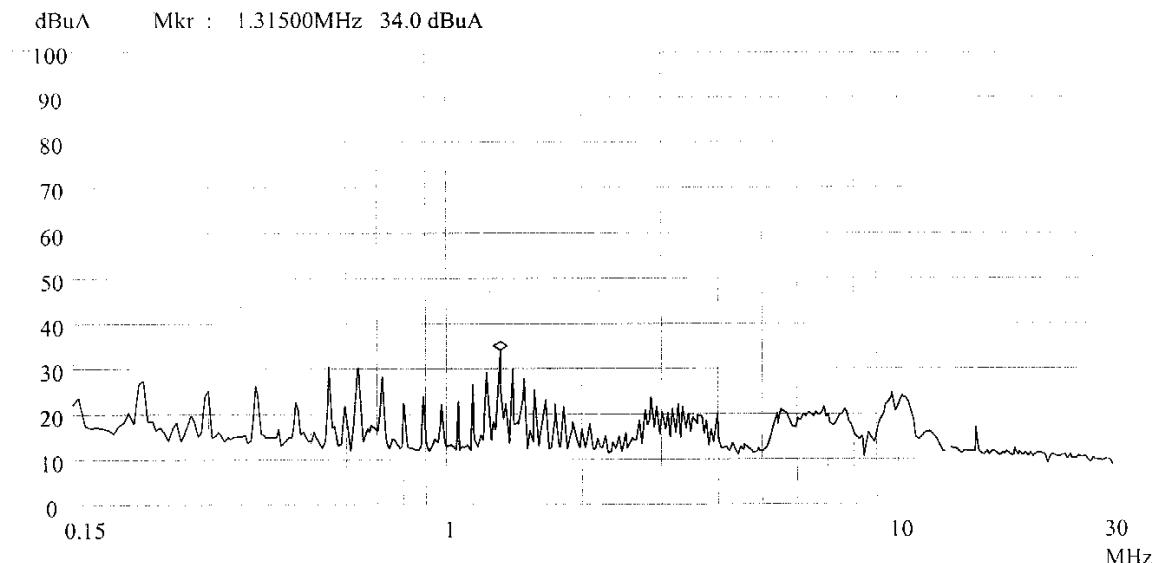
EUT: ENERGY SAVING LAMP M/N:1007-5(ESN/U-5)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 18:27

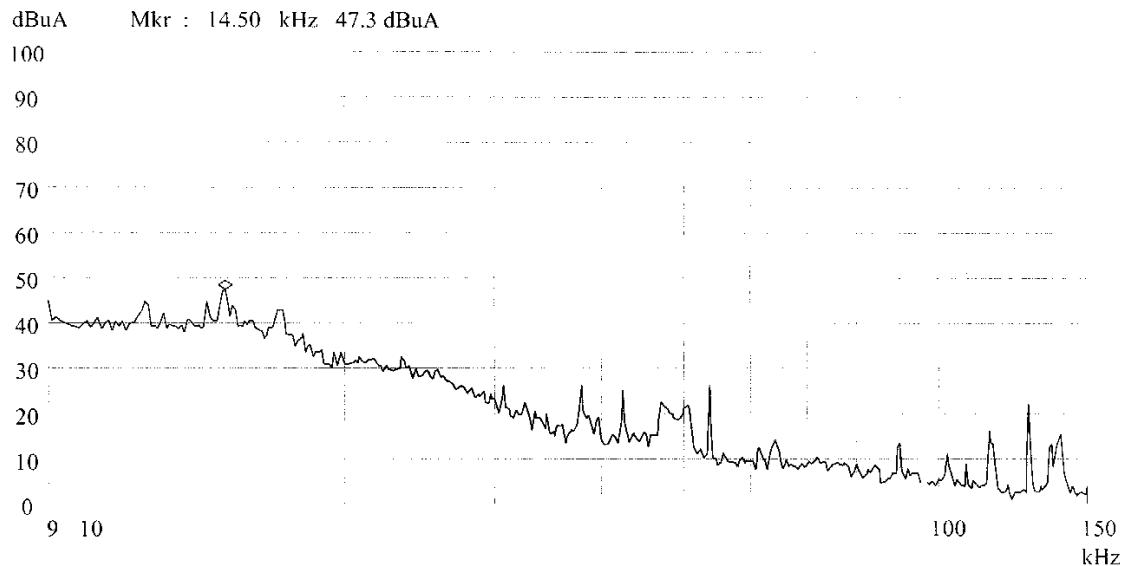
EUT: ENERGY SAVING LAMP M/N:1007-5(ESN/U-5)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 18:39

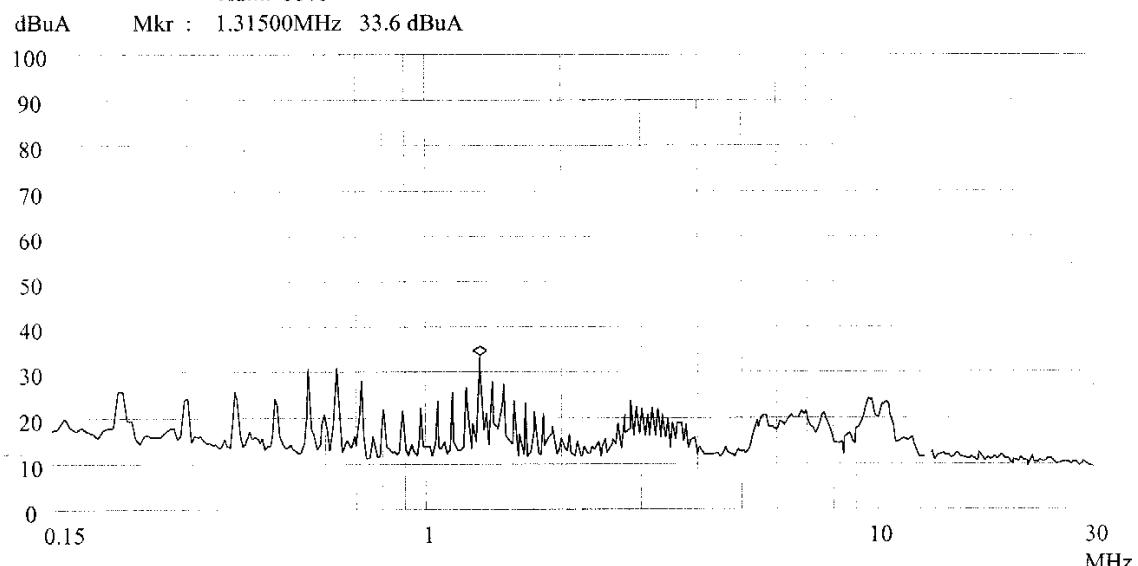
EUT: ENERGY SAVING LAMP M/N:1007-7(ESN/U-7)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
 Humi 55%



Emission Test FCC PART 18

31. Jan 02 18:44

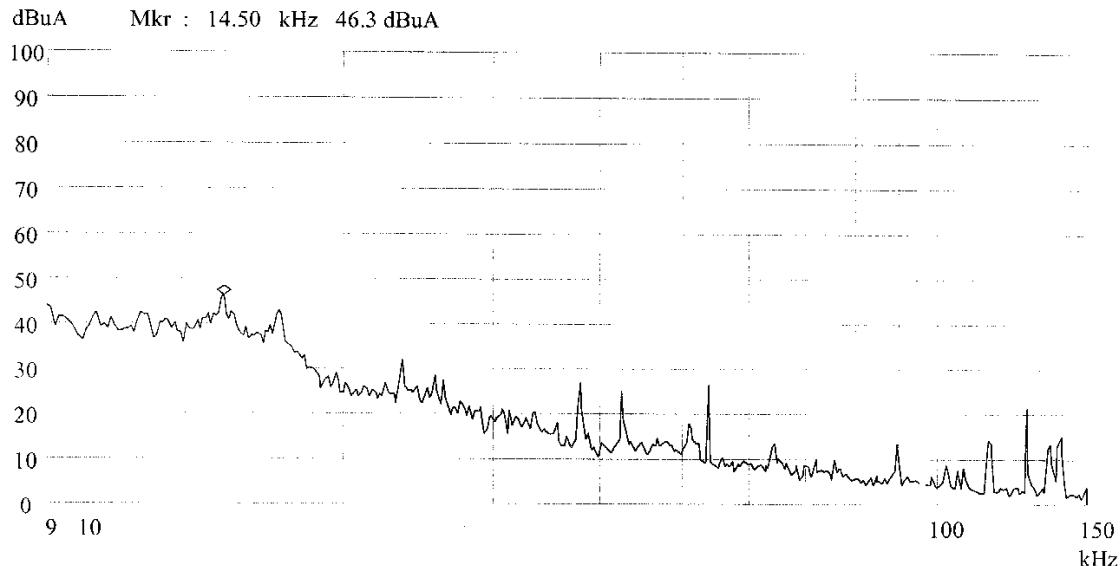
EUT: ENERGY SAVING LAMP M/N:1007-7(ESN/U-7)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
 Humi 55%



Emission Test FCC PART 18

31. Jan 02 18:54

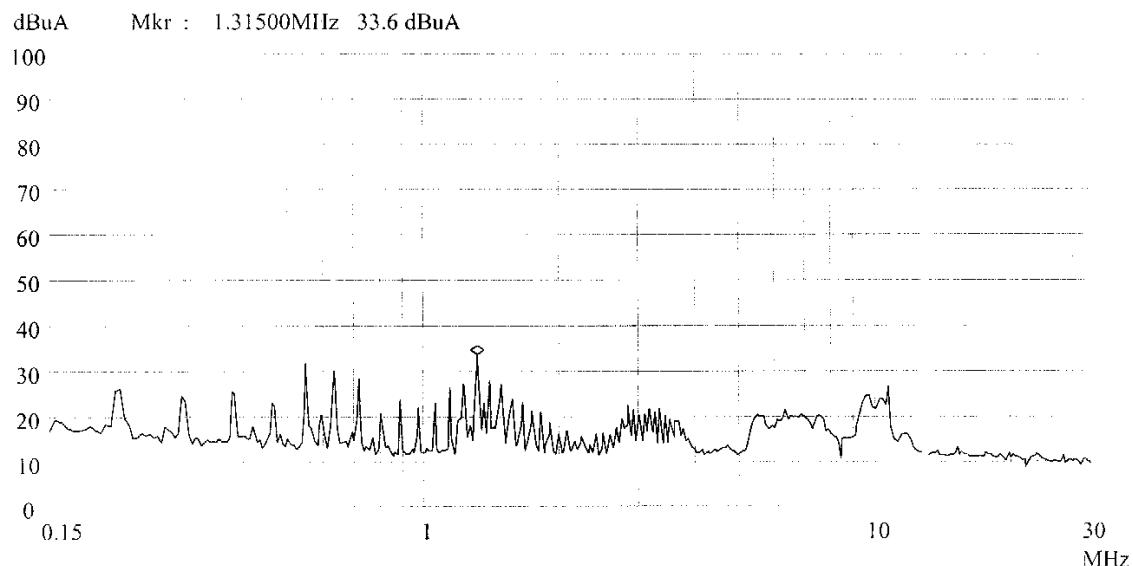
EUT: ENERGY SAVING LAMP M/N:1007-9(ESN/U-9)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 18:50

EUT: ENERGY SAVING LAMP M/N:1007-9(ESN/U-9)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%

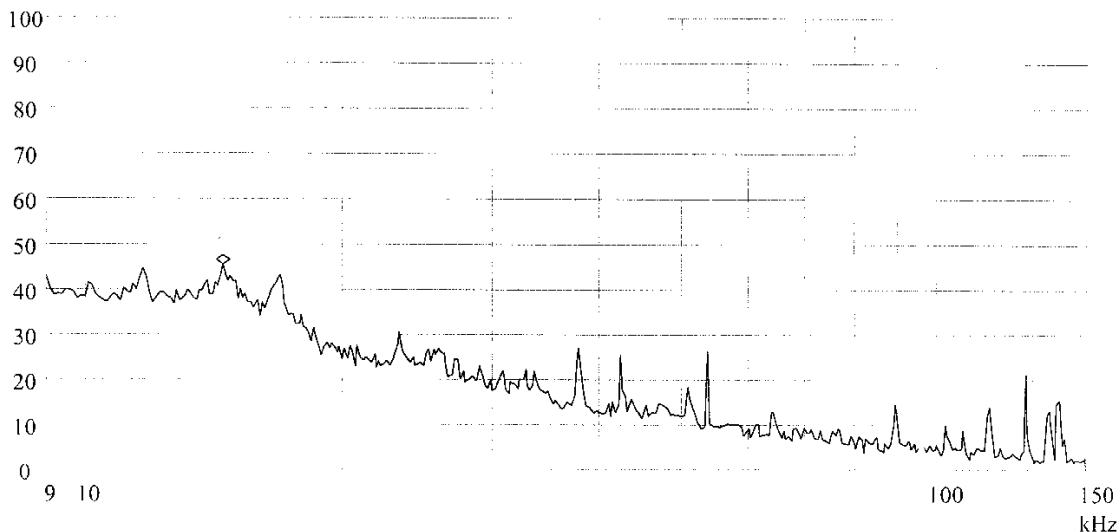


Emission Test FCC PART 18

31. Jan 02 19:07

EUT: ENERGY SAVING LAMP M/N:1008-7(EUT/U-7)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22°C
Humi 55%

dBuA Mkr : 14.50 kHz 45.5 dBuA

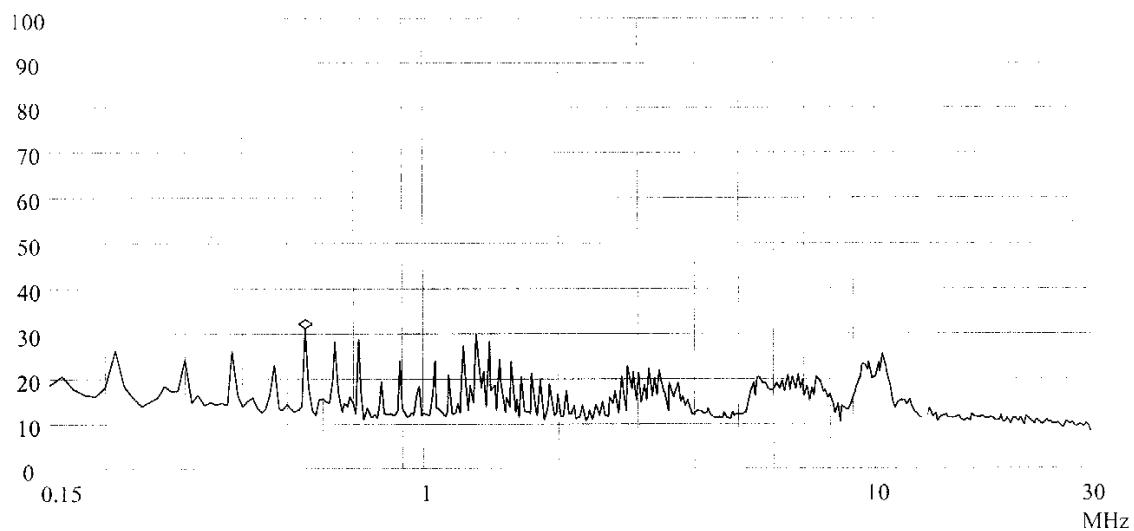


Emission Test FCC PART 18

31. Jan 02 19:13

EUT: ENERGY SAVING LAMP M/N:1008-7(EUT/U-7)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22°C
Humi 55%

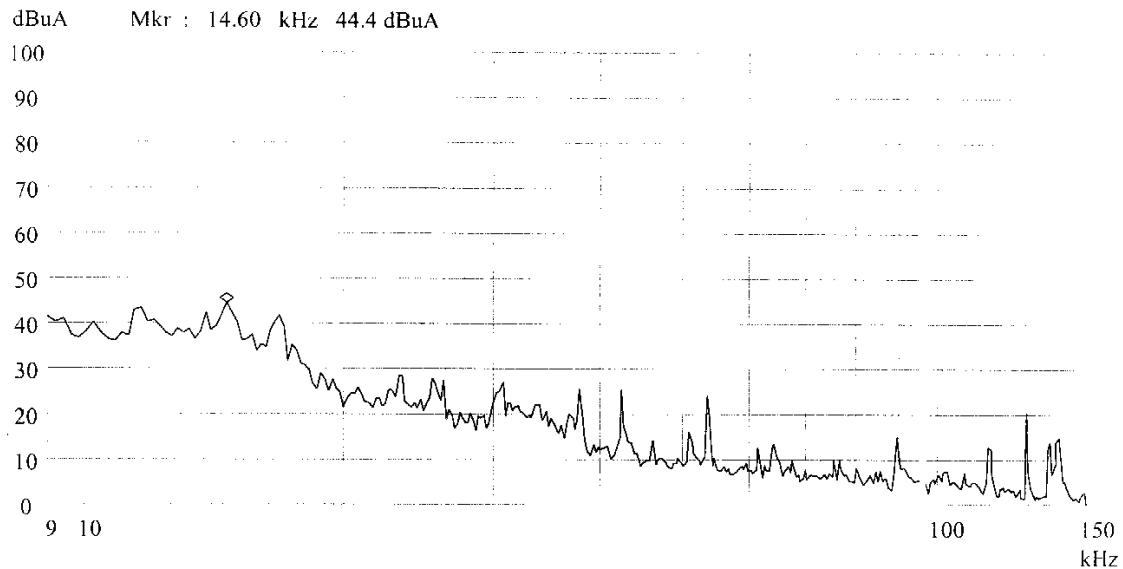
dBuA Mkr : 550.00 kHz 31.1 dBuA



Emission Test FCC PART 18

31. Jan 02 19:22

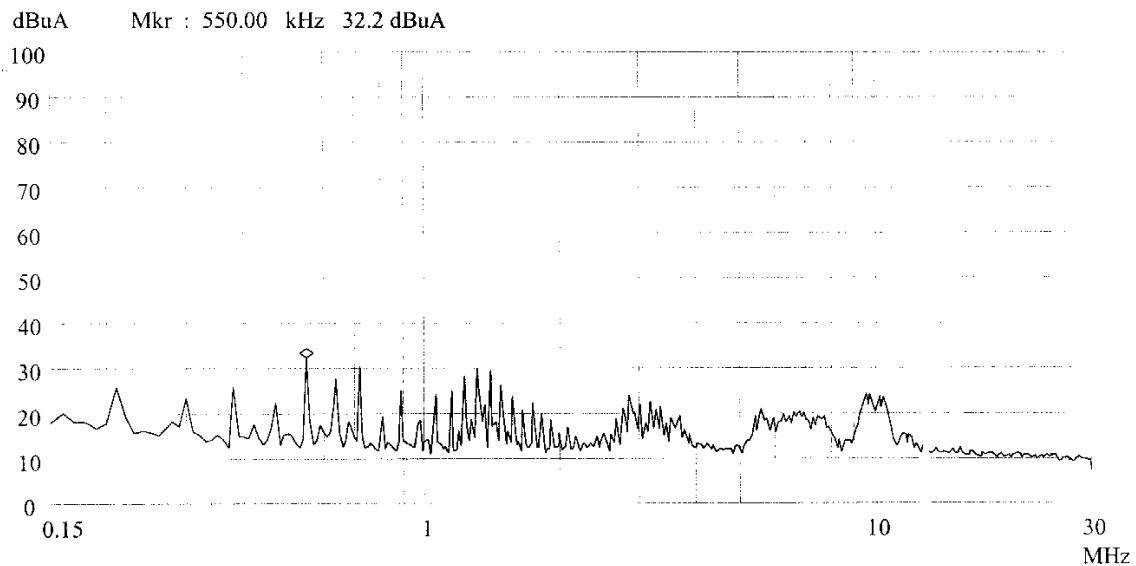
EUT: ENERGY SAVING LAMP M/N:1008-9(EUT/U-9)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 19:18

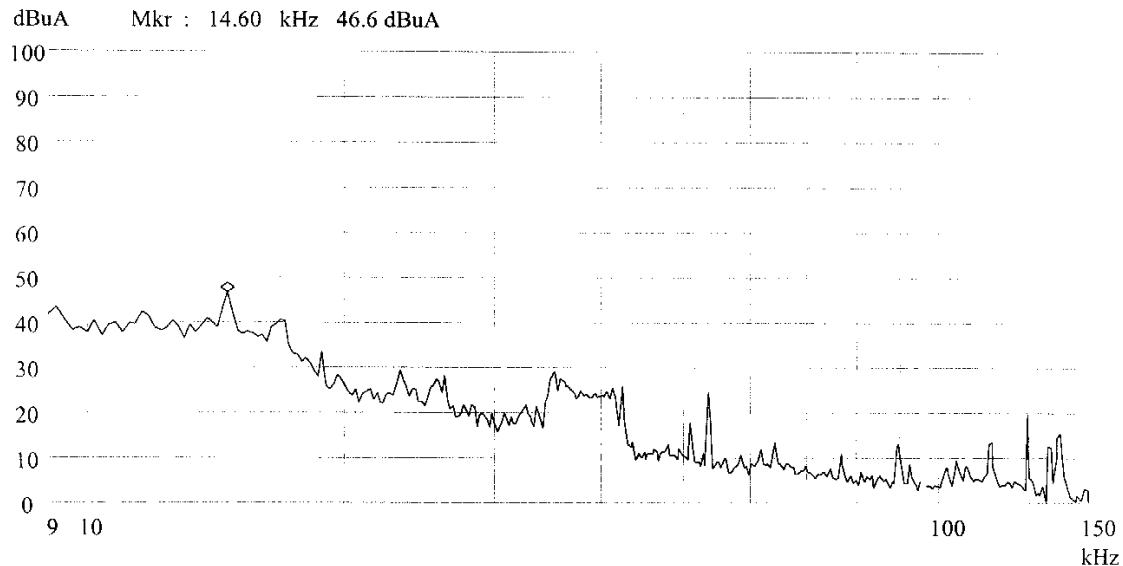
EUT: ENERGY SAVING LAMP M/N:1008-9(EUT/U-9)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 19:27

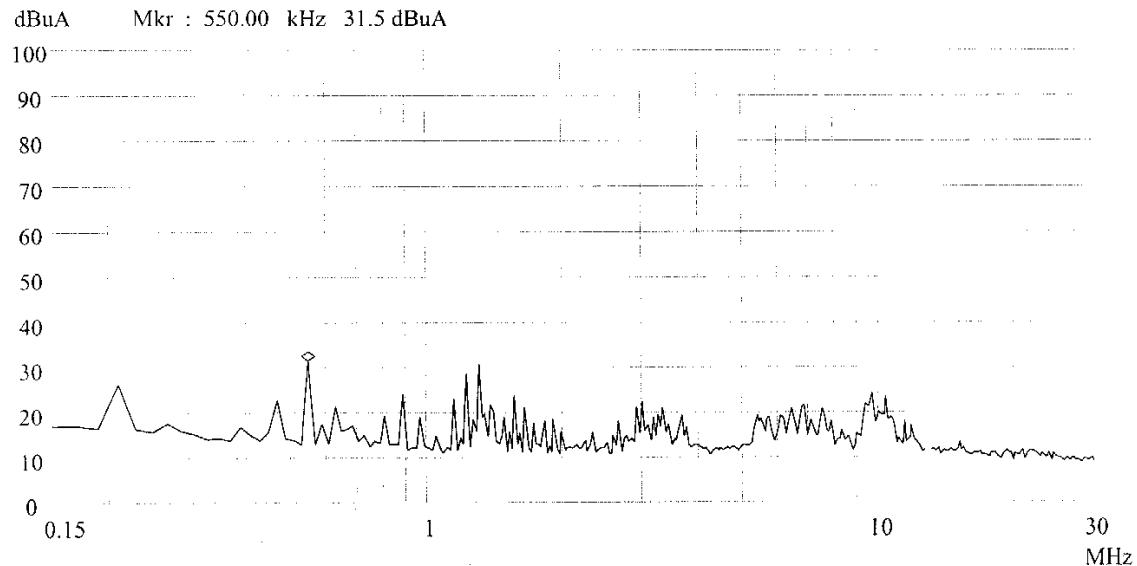
EUT: ENERGY SAVING LAMP M/N:1008-11(EUT/U-11)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 19:31

EUT: ENERGY SAVING LAMP M/N:1008-11(EUT/U-11)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%

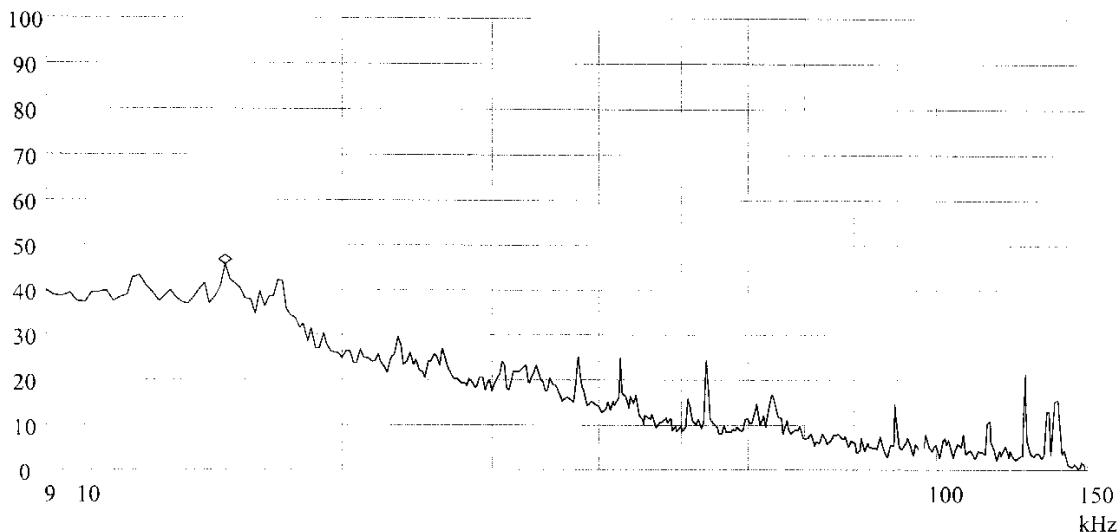


Emission Test FCC PART 18

31. Jan 02 19:38

EUT: ENERGY SAVING LAMP M/N:1008-15(EUT/U-15)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%

dBuA Mkr : 14.60 kHz 45.7 dBuA

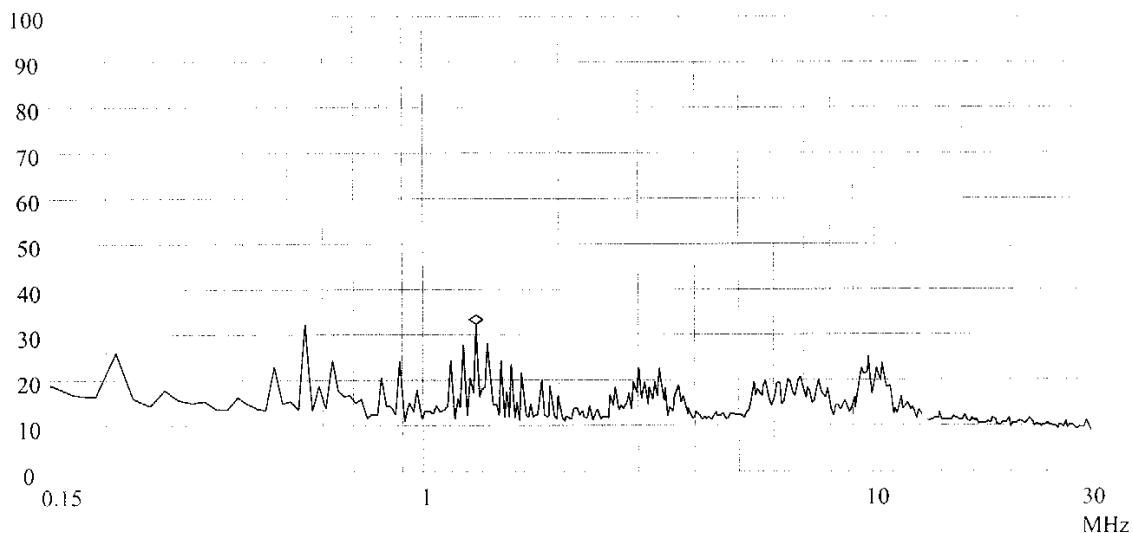


Emission Test FCC PART 18

31. Jan 02 19:35

EUT: ENERGY SAVING LAMP M/N:1008-15(EUT/U-15)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%

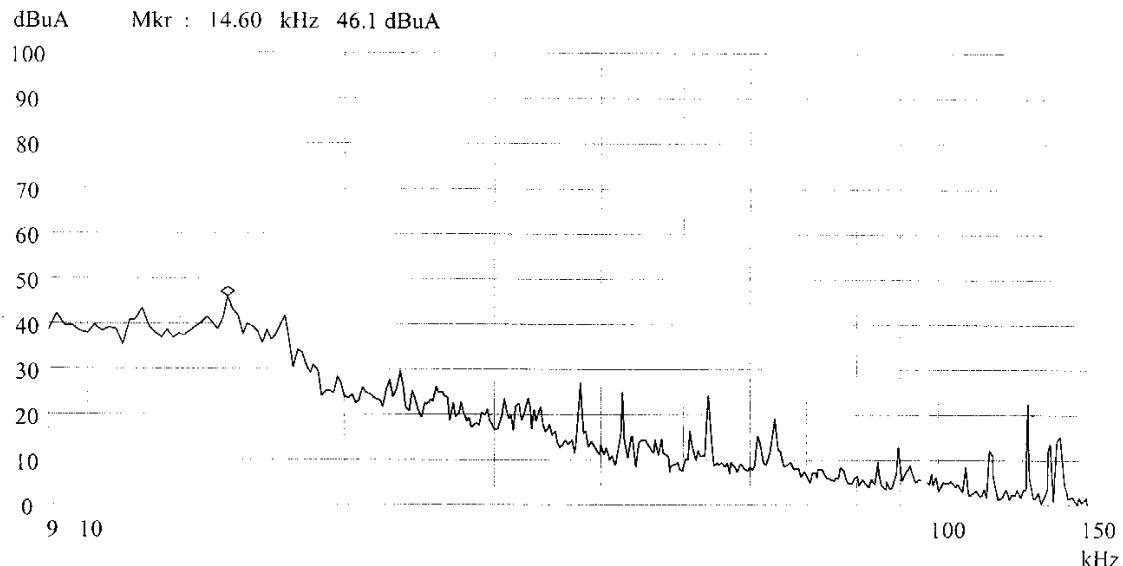
dBuA Mkr : 1.31000MHz 32.2 dBuA



Emission Test FCC PART 18

31. Jan 02 20:30

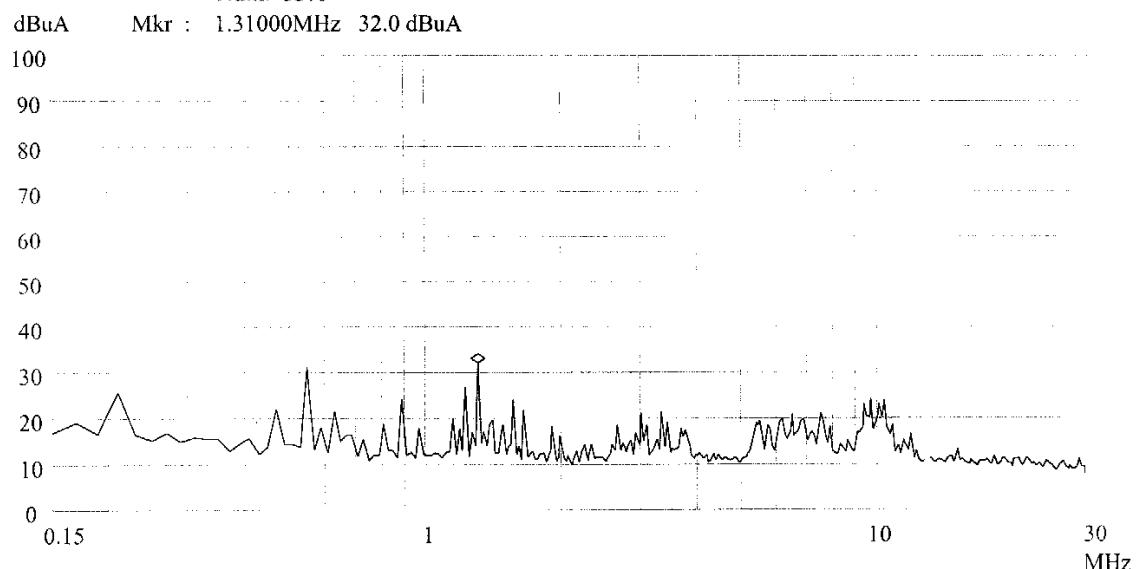
FUT: ENERGY SAVING LAMP M/N:1009-9(ESM-9)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 20:28

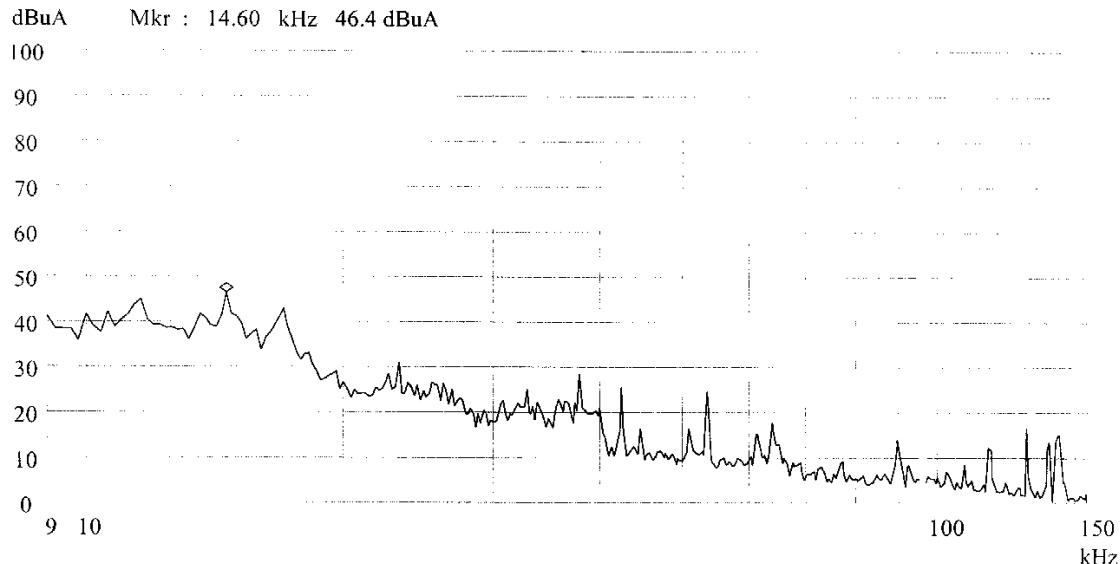
FUT: ENERGY SAVING LAMP M/N:1009-9(ESM-9)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 20:33

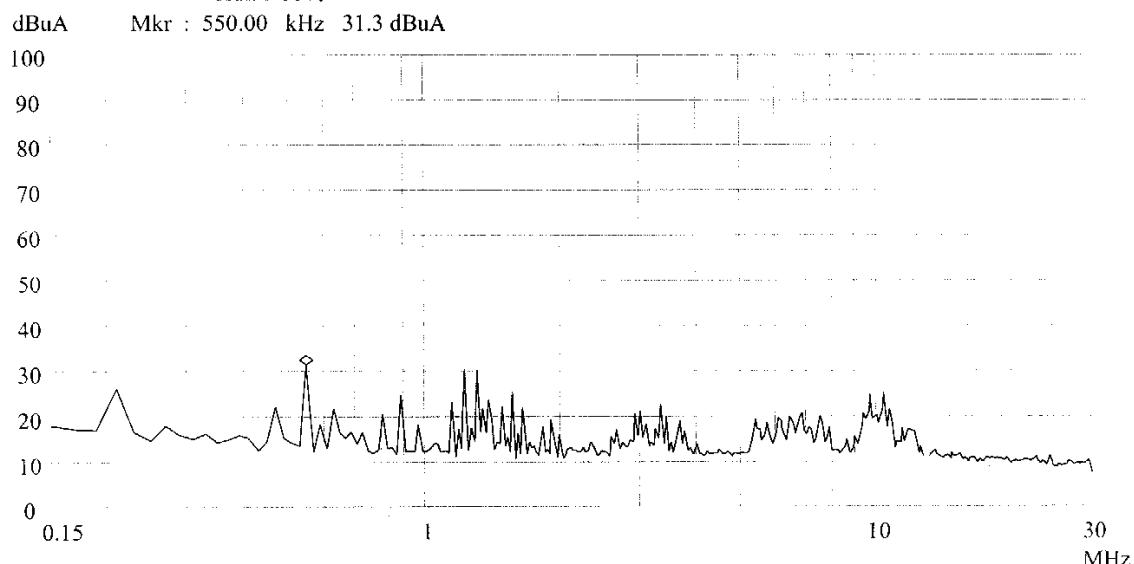
EUT: ENERGY SAVING LAMP M/N:1009-11(ESM-11)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
 Humi 55%



Emission Test FCC PART 18

31. Jan 02 20:37

EUT: ENERGY SAVING LAMP M/N:1009-11(ESM-11)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
 Humi 55%

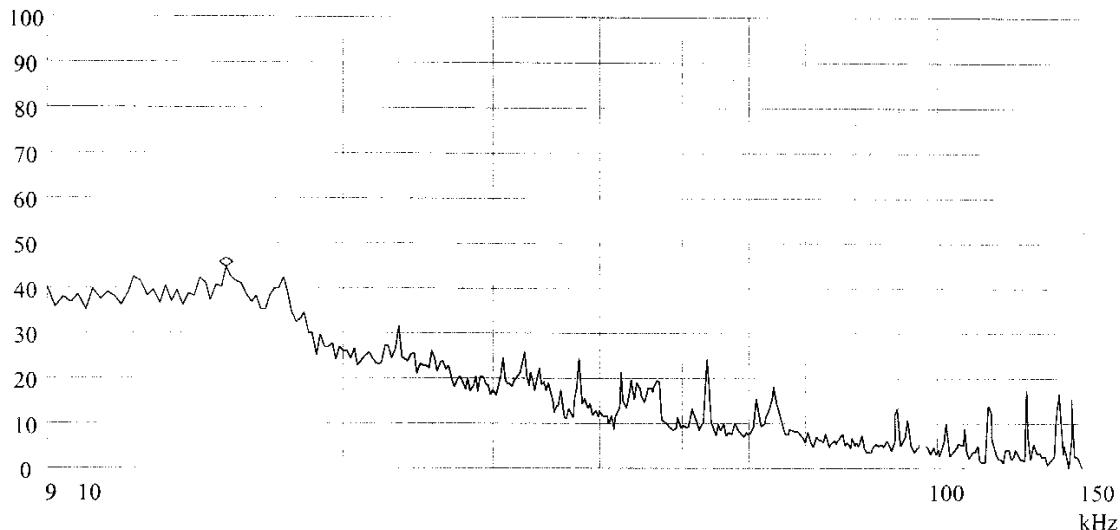


Emission Test FCC PART 18

31. Jan 02 20:42

EUT: ENERGY SAVING LAMP M/N:1009-13(ESM-13)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22°C
Humi 55%

dBuA Mkr : 14.60 kHz 44.6 dBuA

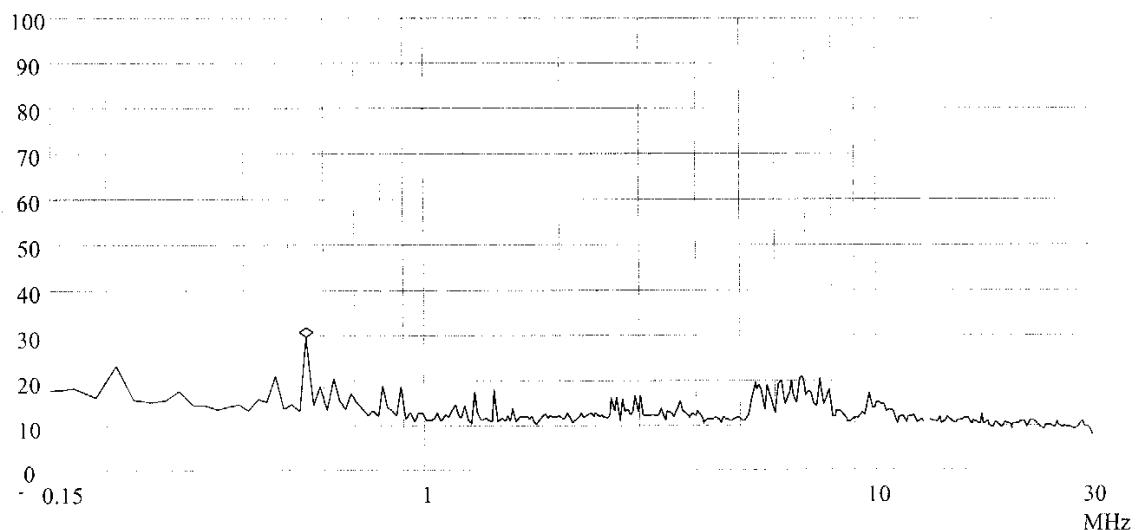


Emission Test FCC PART 18

31. Jan 02 20:40

EUT: ENERGY SAVING LAMP M/N:1009-13(ESM-13)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22°C
Humi 55%

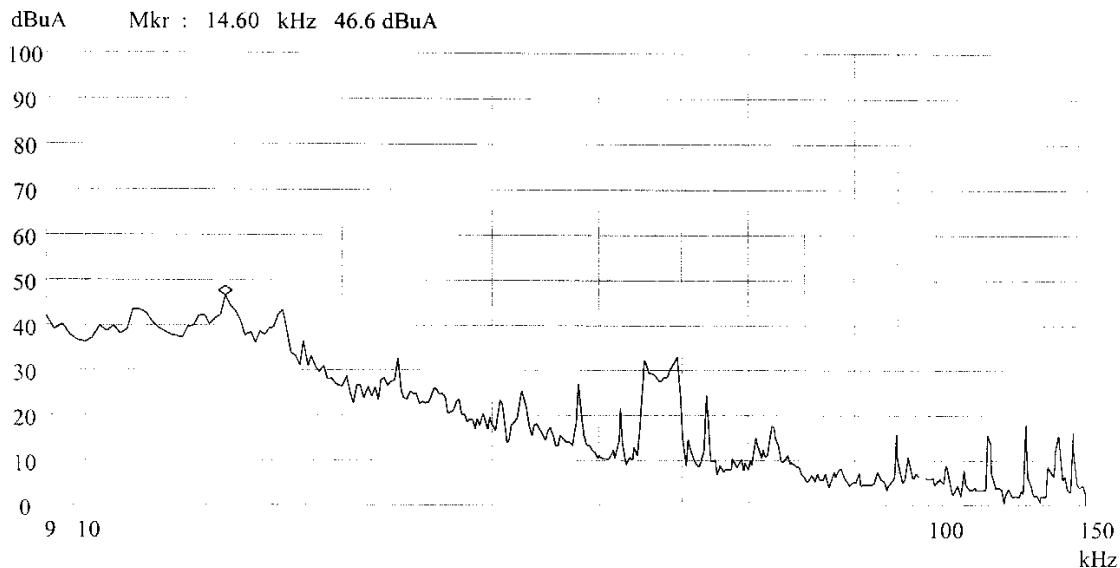
dBuA Mkr : 550.00 kHz 29.7 dBuA



Emission Test FCC PART 18

31. Jan 02 20:45

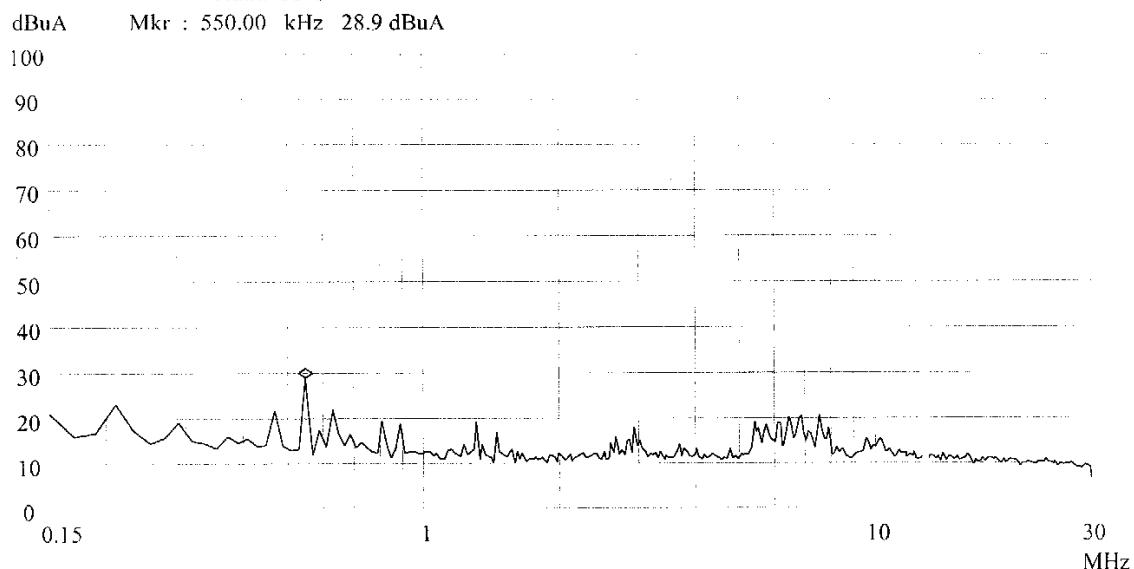
EUT: ENERGY SAVING LAMP M/N:1009-15(ESM-15)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 20:48

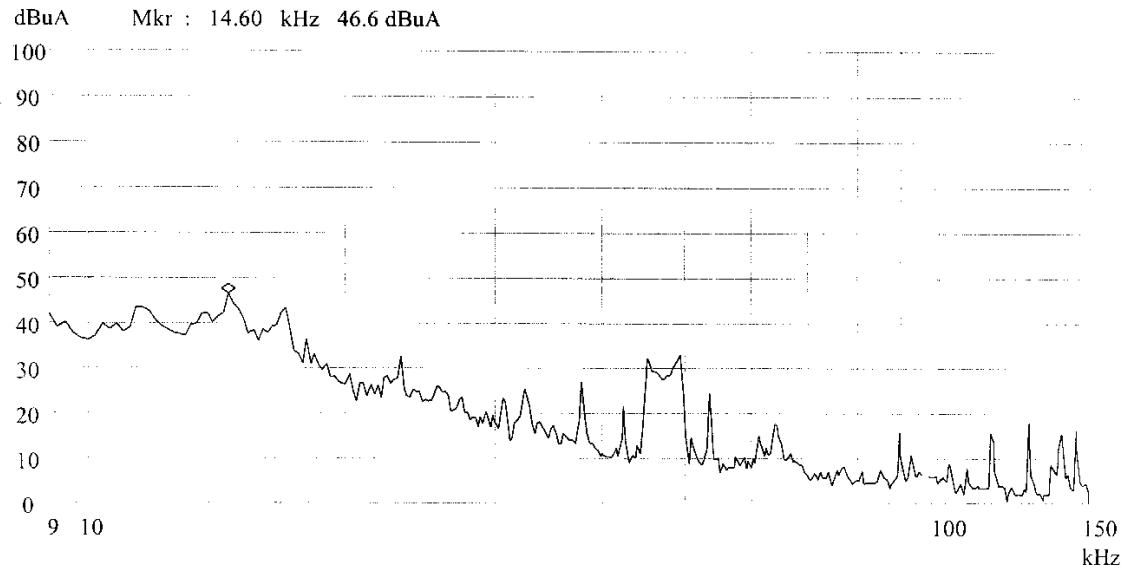
EUT: ENERGY SAVING LAMP M/N:1009-15(ESM-15)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 20:45

EUT: ENERGY SAVING LAMP M/N:1009-15(ESM-15)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%



Emission Test FCC PART 18

31. Jan 02 20:48

EUT: ENERGY SAVING LAMP M/N:1009-15(ESM-15)
Manuf: GOLDEN U LAND LIGHTING
On Cond: ON
Operator: SEAN XING
Test Spec: 120Vac/60Hz
Comment: Tem 22'C
Humi 55%

