

*EXHIBIT VI*

*TEST REPORT*

*TOTAL 34 (THIRTY FOUR) PAGES*

TEST REPORT FOR CERTIFICATION

On behalf of

MECHANICAL & ELECTRIC APPLIANCE PLANT OF

THE 52ND RESEARCH INSTITUTE OF M. E. I.

Energy Saving Lamp

M/N: EB 5W, EB 7W, EB 9W, EB 11W, EB 13W

EB 15W, EB 18W, EB 20W, EB 23W, EB 25W

FCC ID: OJXMEAP

Prepare for : Mechanical & Electric Appliance Plant of  
the 52nd Research Institute of M. E. I.

No. 36 Macheng Road, Hangzhou,  
Zhejiang, 310012, China

Prepare by : AUDIX Technology (Shanghai) Co., Ltd.  
3~4 F., 34 Bldg., 680 Guiping Rd.,

Caohejing Hi-Tech Park,  
Shanghai, China

Tel : (+8621) 64955500

Report No.: ACI-F99002

Date of Test : Apr. 13 ~ Apr. 26, 1999

Date of Report : Apr. 28, 1999

## TABLE OF CONTENTS

	Page
<b>1. GENERAL INFORMATION .....</b>	<b>37</b>
1.1. Description of Equipment Under Test.....	37
1.2. Description of Test Facility .....	38
<b>2. AC POWER CONDUCTED TEST .....</b>	<b>39</b>
2.1. Test Equipment.....	39
2.2. Block Diagram of Test Setup .....	39
2.3. Conducted Powerline Emission Limit.....	39
2.4. Test Configuration.....	40
2.5. Operating Condition of EUT .....	40
2.6. Test Procedures .....	40
2.7. Conducted Emission Test Results .....	41
<b>3. RADIATED EMISSION TEST .....</b>	<b>45</b>
3.1. Test Equipment.....	45
3.2. Block Diagram of Test Setup .....	45
3.3. Radiated Emission Limit .....	46
3.4. Test Configuration.....	46
3.5. Operating Condition of EUT .....	46
3.6. Test Procedures .....	46
3.7. Radiated Emission Test Results .....	47
<b>4. PHOTOGRAPHS .....</b>	<b>51</b>
4.1. AC Powerline Conducted Emission Test .....	51
4.2. Radiated Emission Test .....	55
<b>APPENDIX CONDUCTED EMISSION WAVEFORM .....</b>	<b>59</b>

TEST REPORT CERTIFICATION

Applicant : Mechanical & Electric Appliance Plant of the 52nd Research Institute of M. E. I.  
 Telephone : 86-571-5121230  
 Manufacturer : Mechanical & Electric Appliance Plant of the 52nd Research Institute of M. E. I.  
 FCC ID : OJXMEAP  
 EUT Description : Energy Saving Lamp  
     (A) Model No. : EB 5W, EB 7W, EB 9W, EB 11W, EB 13W  
                             EB 15W, EB 18W, EB 20W, EB 23W, EB 25W  
     (B) Serial No. : N/A  
     (C) Power Supply : 120V/60Hz

Test Procedure Used:

*FCC RULES AND REGULATIONS PART 18 CONSUMER DEVICES (1997)  
 AND MP-5/1986*

The device described above is tested by AUDIX Technology (Shanghai) Co., Ltd. To determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 18 RF Lighting Device limits both radiated and conducted emissions.

The test results are contained in this test report and AUDIX Technology (Shanghai) Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the FCC official limits. AUDIX Technology (Shanghai) Co., Ltd. recommends that this data can be submitted for FCC certification purposes if a 6dB margin below FCC limits is obtained.

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

Date of Test : Apr. 13 ~ Apr. 26, 1999

Prepared by : Casper Lei 99.05.19.  
 (CASPER LEI)

Test Engineer : Lily Zhou 99.05.20.  
 For and on behalf of (LILY ZHOU)  
 AUDIX TECHNOLOGY (SHANGHAI) CO., LTD.

Approved Signatory : Jeremy Geng 990521  
 (JEREMY GENG)

ACI 99-003

## 1. GENERAL INFORMATION

### 1.1. Description of Equipment Under Test

Description : Energy Saving Lamp

Type of EUT :  Production  Pre-product  Pro-type

Model No. : EB 5W, EB 7W, EB 9W, EB 11W, EB 13W  
EB 15W, EB 18W, EB 20W, EB 23W, EB 25W

(Test data for the low, medium and high wattage rated EUT –  
EB 5W, EB 13W, EB 15W, EB 25W)

Serial No. : N/A

FCC ID : OJXMEAP

Applicant : Mechanical & Electric Appliance Plant of  
the 52<sup>nd</sup> Research Institute of M. E. I.  
No. 36 Macheng Road, Hangzhou,  
Zhejiang, 310012, China

Manufacturer : Mechanical & Electric Appliance Plant of  
the 52<sup>nd</sup> Research Institute of M. E. I.  
No. 36 Macheng Road, Hangzhou,  
Zhejiang, 310012, China

	INPUT POWER	OUTPUT POWER
EB 5W	10.3	5.5
EB 7W	11.2	6.0
EB 9W	16.8	8.4
EB 11W	21.3	10.5
EB 13W	27.0	13.8
EB 15W	30.0	15.2
EB 18W	33.7	17.6
EB 20W	36.6	19.3
EB 23W	38.5	20.4
EB 25W	42.6	23.4

## 1.2. Description of Test Facility

Site Description (Semi-Anechoic Chamber) : Sept. 17, 1998 file on  
Federal Communications Commission  
FCC Engineering Laboratory  
Columbia, MD 21046, USA

Name of Firm : AUDIX Technology (Shanghai) Co., Ltd.

Site Location : 3 F., 34 Bldg., 680 Guiping Rd.,  
Caohejing Hi-Tech Park,  
Shanghai, China

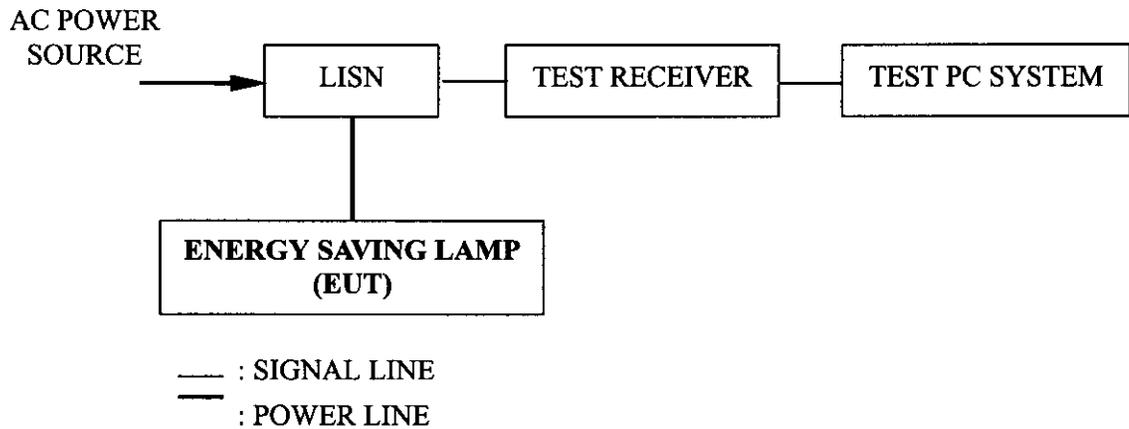
## 2. AC POWER CONDUCTED TEST

### 2.1. Test Equipment

The following test equipment are used during the powerline conducted test in a shielded room:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	844077/020	Jun. 09, 1998	1 Year
2.	Line-Impedance Stabilization Network (LISN)	Kyoritsu	KMW-407	8-1280-4	Jun. 22, 1998	1 Year

### 2.2. Block Diagram of Test Setup



### 2.3. Conducted Powerline Emission Limit

Frequency (MHz)	Maximum RF Line Voltage	
	( $\mu$ V)	dB( $\mu$ V)
0.45 ~ 30	250	48

NOTE 1 - RF Line Voltage dB( $\mu$ V) = 20 log RF Line Voltage ( $\mu$ V)

## 2.4. Test Configuration

The EUT (listed in Sec. 1.1.) was installed as shown on Sec. 2.2. on Conducted Test to meet FCC requirement and operating in a manner which tends to maximize its emission level in a normal application.

## 2.5. Operating Condition of EUT

2.5.1. Setup the EUT as shown in Sec. 2.2.

2.5.2. Turn on the power of all equipment.

2.5.3. The EUT will be operated normally.

## 2.6. Test Procedures

The EUT was connected to the power mains through a Line Impedance Stabilization Network (LISN). This provided a 50 ohm coupling impedance for the measuring equipment.

Both sides of AC line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed or manipulated according to MP-5/1986 during conducted test.

The bandwidth of Test Receiver ESHS10 was set at 10kHz.

The frequency range from 450 kHz to 30 MHz was checked. The test mode (LIGHT ON) was done on conducted test and all the test results are listed in Sec. 2.7.

The waveform is attached in APPENDIX.

## 2.7. Conducted Emission Test Results

&lt;PASS&gt;

The frequency and amplitude of the highest AC powerline conducted emissions relative to the limit is reported. All emissions not reported below are too low against the prescribed limits.

EUT : Energy Saving Lamp      Temperature : 18.8°C

Model No. : EB 5W      Humidity : 68%

Test Mode : LIGHT ON      Date of Test : Apr. 26, 1999

Test Line	Frequency (MHz)	Factor (dB)	Measurement dB( $\mu$ V)	Reading dB( $\mu$ V)	Limits dB( $\mu$ V)	Margin (dB)
VA	0.473	0.53	26.60	27.13	48.00	20.87
	0.515	0.51	28.10	28.61	48.00	19.39
	0.544	0.50	28.40	28.90	48.00	19.10
	0.665	0.42	24.40	24.82	48.00	23.18
	1.580	0.40	16.10	16.50	48.00	31.50
	5.480	0.40	9.90	10.30	48.00	37.70
VB	<b>0.475</b>	<b>0.52</b>	<b>33.40</b>	<b>33.92</b>	<b>48.00</b>	<b>14.08</b>
	0.544	0.50	33.20	33.70	48.00	14.30
	0.665	0.42	31.80	32.22	48.00	15.78
	0.892	0.40	23.60	24.00	48.00	24.00
	1.580	0.40	22.70	23.10	48.00	24.90
	5.230	0.40	16.40	16.80	48.00	31.20
<p>NOTE 1 – All reading are Quasi-Peak Values.            NOTE 2 – Factor = Insertion Loss + Cable Loss            NOTE 3 – The worst emission is detected at 0.475 MHz with corrected signal level of 33.92 dB(<math>\mu</math>V) (limit is 48.00 dB(<math>\mu</math>V)), when the VB of the EUT is connected to LISN.</p>						

TEST ENGINEER: Lily Zhou  
(LILY ZHOU)

EUT : Energy Saving Lamp Temperature : 18.8°C  
 Model No. : EB 13W Humidity : 68%  
 Test Mode : LIGHT ON Date of Test : Apr. 26, 1999

Test Line	Frequency (MHz)	Factor (dB)	Measurement dB( $\mu$ V)	Reading dB( $\mu$ V)	Limits dB( $\mu$ V)	Margin (dB)
VA	0.530	0.51	30.90	31.41	48.00	16.59
	<b>0.665</b>	<b>0.42</b>	<b>31.10</b>	<b>31.52</b>	<b>48.00</b>	<b>16.48</b>
	0.831	0.40	24.30	24.70	48.00	23.30
	0.975	0.40	22.40	22.80	48.00	25.20
	2.350	0.40	14.50	14.90	48.00	33.10
	2.940	0.40	13.20	13.60	48.00	34.40
VB	0.515	0.51	29.30	29.81	48.00	18.19
	0.599	0.47	23.70	24.17	48.00	23.83
	0.657	0.43	26.00	26.43	48.00	21.57
	0.729	0.40	28.90	29.30	48.00	18.70
	1.850	0.40	20.00	20.40	48.00	27.60
	4.120	0.40	6.70	7.10	48.00	40.90

NOTE 1 – All reading are Quasi-Peak Values.

NOTE 2 – Factor = Insertion Loss + Cable Loss

NOTE 3 – The worst emission is detected at 0.665 MHz with corrected signal level of 31.52 dB( $\mu$ V) (limit is 48.00 dB( $\mu$ V)), when the VA of the EUT is connected to LISN.

TEST ENGINEER: Lily Zhou  
(LILY ZHOU)

EUT : Energy Saving Lamp      Temperature : 18.8°C

Model No. : EB 15W      Humidity : 68%

Test Mode : LIGHT ON      Date of Test : Apr. 26, 1999

Test Line	Frequency (MHz)	Factor (dB)	Measurement dB( $\mu$ V)	Reading dB( $\mu$ V)	Limits dB( $\mu$ V)	Margin (dB)
VA	0.517	0.51	30.70	31.21	48.00	16.79
	0.643	0.44	30.60	31.04	48.00	16.96
	0.777	0.40	29.80	30.20	48.00	17.80
	1.130	0.40	30.30	30.70	48.00	17.30
	2.230	0.40	21.60	22.00	48.00	26.00
	26.780	0.57	13.80	14.37	48.00	33.63
VB	<b>0.504</b>	<b>0.51</b>	<b>32.80</b>	<b>33.31</b>	<b>48.00</b>	<b>14.69</b>
	0.567	0.49	31.10	31.59	48.00	16.41
	0.696	0.40	30.00	30.40	48.00	17.60
	1.190	0.40	28.70	29.10	48.00	18.90
	1.900	0.40	22.70	23.10	48.00	24.90
	28.290	0.64	12.30	12.94	48.00	35.06

NOTE 1 – All reading are Quasi-Peak Values.

NOTE 2 – Factor = Insertion Loss + Cable Loss

NOTE 3 – The worst emission is detected at 0.504 MHz with corrected signal level of 33.31 dB( $\mu$ V) (limit is 48.00 dB( $\mu$ V)), when the VB of the EUT is connected to LISN.

TEST ENGINEER: Lily Zhou  
(LILY ZHOU)

EUT : Energy Saving Lamp Temperature : 18.8°C  
 Model No. : EB 25W Humidity : 68%  
 Test Mode : LIGHT ON Date of Test : Apr. 26, 1999

Test Line	Frequency (MHz)	Factor (dB)	Measurement dB( $\mu$ V)	Reading dB( $\mu$ V)	Limits dB( $\mu$ V)	Margin (dB)
VA	0.471	0.53	37.50	38.03	48.00	9.97
	0.579	0.48	34.80	35.28	48.00	12.72
	0.685	0.41	32.30	32.71	48.00	15.29
	0.856	0.40	29.20	29.60	48.00	18.40
	2.090	0.40	26.80	27.20	48.00	20.80
	5.430	0.40	13.90	14.30	48.00	33.70
VB	0.456	0.53	39.40	39.93	48.00	8.07
	<b>0.483</b>	<b>0.52</b>	<b>43.20</b>	<b>43.72</b>	<b>48.00</b>	<b>4.28</b>
	0.648	0.43	28.20	28.63	48.00	19.37
	0.757	0.40	36.30	36.70	48.00	11.30
	1.140	0.40	31.70	32.10	48.00	15.90
	3.450	0.40	21.00	21.40	48.00	26.60

NOTE 1 – All reading are Quasi-Peak Values.

NOTE 2 – Factor = Insertion Loss + Cable Loss

NOTE 3 – The worst emission is detected at 0.483 MHz with corrected signal level of 43.72 dB( $\mu$ V) (limit is 48.00 dB( $\mu$ V)), when the VB of the EUT is connected to LISN.

TEST ENGINEER: Lily Zhou  
(LILY ZHOU)

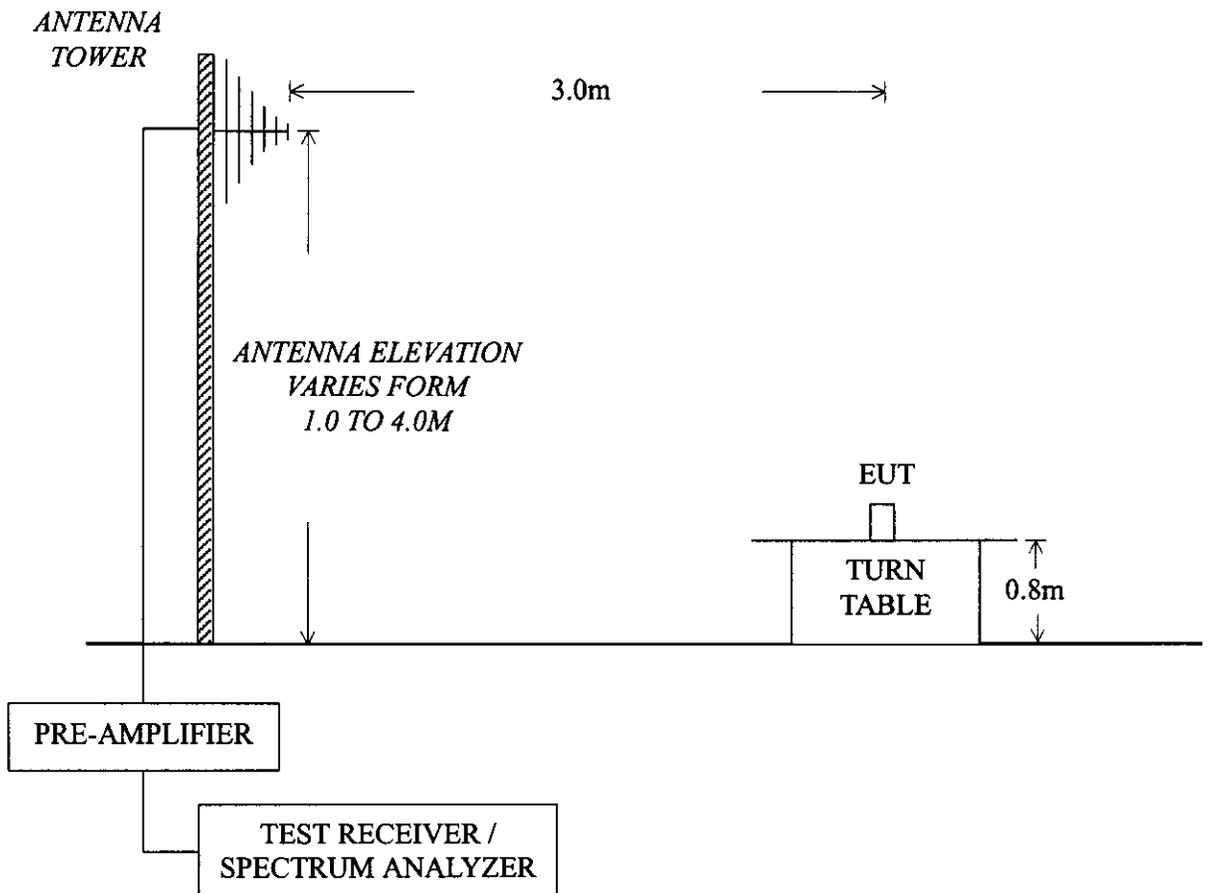
### 3. RADIATED EMISSION TEST

#### 3.1. Test Equipment

The following test equipment are used during the radiated emission test in an anechoic chamber:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	HP	8593EM	3628A00167	Jun. 10. 1998	1 Year
2.	Pre-Amplifier	HP	8447D	2944A06849	Dec. 03, 1998	1/2 Year
3.	Bilog Antenna	Chase	CBL6111	1146	Dec. 04, 1998	1/2 Year
4.	Test Receiver	Rohde & Schwarz	ESVS10	844594/001	Jun. 04, 1998	1 Year

#### 3.2. Block Diagram of Test Setup



### 3.3. Radiated Emission Limit

Frequency (MHz)	Distance (m)	Field strength limits ( $\mu\text{V/m}$ )	Converted Field Strengths limits By 3 meters Measuring Distance	
			$\mu\text{V/m}$	$\text{dB}(\mu\text{V/m})$
30 ~ 88	30	10	100	40.00
88 ~ 216	30	15	150	43.50
216 ~ 1000	30	20	200	46.00

NOTE 1 – Emission Level  $\text{dB}(\mu\text{V/m}) = 20 \log$  Emission Level ( $\mu\text{V/m}$ )  
 NOTE 2 – The tighter limit applies at the band edges.  
 NOTE 3 – Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.  
 NOTE 4 – The measurements are made at 3 meters distance, then the permissible field strength limits be adjusted using  $1/d$  as an attenuation factor.

### 3.4. Test Configuration

The configuration of the EUT is same as those used in conducted test.

Please refer to Sec. 2.4.

### 3.5. Operating Condition of EUT

Same as conducted test which is listed in Sec. 2.5., except the test set up replaced by Sec. 3.2.

### 3.6. Test Procedures

The EUT was placed on a turn table which is 0.8 meter above ground. The turn table rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 3 meters away from the receiving antenna, which was mounted on an antenna tower. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (Calibrated Bilog Antenna) or dipole antenna were used as receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement. In order to find the maximum emission, all of the interference cables were manipulated according to MP-5/1986 requirements during radiated test.

The bandwidth setting on Test Receiver ESVS10 was 120kHz.

The frequency range from 30 MHz to 1000 MHz was checked, the test mode (LIGHT ON) was done on radiated test and all the test results are listed in Sec. 3.7.

## 3.7. Radiated Emission Test Results

&lt;PASS&gt;

The frequency and amplitude of the highest radiated emissions relative the limit is reported. All the emissions not reported below are too low against the FCC Subject C limit.

EUT : Energy Saving Lamp      Temperature : 18.8°C

Model No. : EB 5W      Humidity : 68%

Test Mode : LIGHT ON      Date of Test : Apr. 13, 1999

Polarization	Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Meter Reading dB( $\mu$ V)	Emission Level dB( $\mu$ V/m)	Limits dB( $\mu$ V/m)	Margin (dB)
Horizontal	97.69	9.68	1.38	25.11	23.40	9.35	43.50	34.15
	181.10	9.51	1.91	25.10	26.20	12.52	43.50	30.98
	212.60	10.27	2.18	25.10	30.20	17.55	43.50	25.95
	241.20	12.16	2.35	25.10	26.80	16.21	46.00	29.79
	<b>510.90</b>	<b>19.84</b>	<b>3.46</b>	<b>26.70</b>	<b>29.40</b>	<b>26.00</b>	<b>46.00</b>	<b>20.00</b>
	852.40	23.58	4.91	26.48	20.40	22.41	46.00	23.59
Vertical	101.70	10.62	1.41	25.10	25.70	12.63	43.50	30.87
	157.50	10.83	1.77	25.10	28.00	15.50	43.50	28.00
	204.80	9.70	2.13	25.10	29.50	16.23	43.50	27.27
	326.20	15.00	2.81	25.35	24.50	16.96	46.00	29.04
	<b>510.60</b>	<b>19.84</b>	<b>3.46</b>	<b>26.70</b>	<b>28.80</b>	<b>25.40</b>	<b>46.00</b>	<b>20.60</b>
	901.60	24.25	5.00	26.42	13.70	16.53	46.00	29.47

NOTE 1 – Emission Level = Meter Reading + Antenna Factor + Cable Loss – Preamp Factor

NOTE 2 – All reading are Quasi-Peak values.

NOTE 3 – The worst emission at horizontal polarization was detected at 510.90 MHz with corrected signal level of 26.00 dB( $\mu$ V) (limit is 46.00 dB( $\mu$ V)), when the antenna was 3.80m height and the turn table was at 121°.

NOTE 4 – The worst emission at vertical polarization was detected at 510.60 MHz with corrected signal level of 25.40 dB( $\mu$ V) (limit is 46.00 dB( $\mu$ V)), when the antenna was 1.00m height and the turn table was at 17°.

NOTE 5 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

TEST ENGINEER: Lily Zhou  
(LILY ZHOU)

EUT : Energy Saving Lamp Temperature : 18.8°C  
 Model No. : EB 13W Humidity : 68%  
 Test Mode : LIGHT ON Date of Test : Apr. 13, 1999

Polarization	Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Meter Reading dB( $\mu$ V)	Emission Level dB( $\mu$ V/m)	Limits dB( $\mu$ V/m)	Margin (dB)
Horizontal	90.99	7.81	1.31	25.14	19.30	3.28	43.50	40.22
	166.90	10.25	1.85	25.10	22.40	9.40	43.50	34.10
	307.20	14.52	2.73	25.18	19.10	11.17	46.00	34.83
	563.80	20.32	2.73	26.70	20.40	16.75	46.00	29.25
	677.10	21.15	4.21	26.70	20.30	18.96	46.00	27.04
	<b>857.00</b>	<b>23.62</b>	<b>4.91</b>	<b>26.47</b>	<b>20.50</b>	<b>22.56</b>	<b>46.00</b>	<b>23.44</b>
Vertical	161.70	10.62	1.41	25.10	25.30	12.23	43.50	31.27
	162.80	10.60	1.82	25.10	29.60	16.92	43.50	26.58
	204.80	9.70	2.13	25.10	29.20	15.93	43.50	27.57
	453.90	18.37	3.27	26.39	23.60	18.85	46.00	27.15
	<b>510.6</b>	<b>19.84</b>	<b>3.46</b>	<b>26.70</b>	<b>30.20</b>	<b>26.80</b>	<b>46.00</b>	<b>19.20</b>
	847.80	23.49	4.89	26.48	20.50	22.40	46.00	23.60

NOTE 1 – Emission Level = Meter Reading + Antenna Factor + Cable Loss – Preamp Factor

NOTE 2 – All reading are Quasi-Peak values.

NOTE 3 – The worst emission at horizontal polarization was detected at 857.00 MHz with corrected signal level of 22.56 dB( $\mu$ V) (limit is 46.00 dB( $\mu$ V)), when the antenna was 3.87m height and the turn table was at 81°.

NOTE 4 – The worst emission at vertical polarization was detected at 510.60 MHz with corrected signal level of 26.80 dB( $\mu$ V) (limit is 46.00 dB( $\mu$ V)), when the antenna was 1.00m height and the turn table was at 16°.

NOTE 5 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

TEST ENGINEER: Lily Zhou  
(LILY ZHOU)

EUT : Energy Saving Lamp Temperature : 18.8°C

Model No. : EB 15W Humidity : 68%

Test Mode : LIGHT ON Date of Test : Apr. 13, 1999

Polarization	Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Meter Reading dB( $\mu$ V)	Emission Level dB( $\mu$ V/m)	Limits dB( $\mu$ V/m)	Margin (dB)
Horizontal	166.80	10.25	1.85	25.10	24.50	11.50	43.50	32.00
	263.10	13.17	2.48	25.10	18.90	9.45	46.00	36.55
	402.80	16.70	3.10	26.03	19.50	13.27	46.00	32.73
	540.80	20.11	3.61	26.70	20.00	17.02	46.00	28.98
	714.00	21.51	4.37	26.68	20.20	19.40	46.00	26.60
	<b>834.50</b>	<b>23.32</b>	<b>4.87</b>	<b>26.51</b>	<b>20.00</b>	<b>21.68</b>	<b>46.00</b>	<b>24.32</b>
Vertical	34.32	16.35	0.79	25.52	24.90	16.52	40.00	23.48
	104.40	11.01	1.42	25.10	22.50	9.83	43.50	33.67
	170.70	9.96	1.87	25.10	28.00	14.73	43.50	28.77
	202.10	9.49	2.11	25.10	30.90	17.40	43.50	26.10
	<b>510.90</b>	<b>19.84</b>	<b>3.46</b>	<b>26.70</b>	<b>28.70</b>	<b>25.30</b>	<b>46.00</b>	<b>20.70</b>
	852.90	23.58	4.91	26.48	20.40	22.41	46.00	23.59

NOTE 1 – Emission Level = Meter Reading + Antenna Factor + Cable Loss – Preamp Factor

NOTE 2 – All reading are Quasi-Peak values.

NOTE 3 – The worst emission at horizontal polarization was detected at 834.50 MHz with corrected signal level of 21.68 dB( $\mu$ V) (limit is 46.00 dB( $\mu$ V)), when the antenna was 3.94m height and the turn table was at 60°.

NOTE 4 – The worst emission at vertical polarization was detected at 510.90 MHz with corrected signal level of 25.30 dB( $\mu$ V) (limit is 46.00 dB( $\mu$ V)), when the antenna was 1.00m height and the turn table was at 17°.

NOTE 5 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

TEST ENGINEER: Lily Zhou  
(LILY ZHOU)

EUT : Energy Saving Lamp      Temperature : 18.8°C

Model No. : EB 25W      Humidity : 68%

Test Mode : LIGHT ON      Date of Test : Apr. 13, 1999

Polarization	Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Meter Reading dB( $\mu$ V)	Emission Level dB( $\mu$ V/m)	Limits dB( $\mu$ V/m)	Margin (dB)
Horizontal	101.70	10.62	1.41	25.10	21.10	8.03	43.50	35.47
	166.80	10.25	1.85	25.10	24.60	11.60	43.50	31.90
	306.70	14.49	2.72	25.16	19.00	11.05	46.00	34.95
	462.40	18.66	3.30	26.46	20.00	15.50	46.00	30.50
	700.50	21.31	4.30	26.70	20.10	19.01	46.00	26.99
	<b>852.10</b>	<b>23.58</b>	<b>4.90</b>	<b>26.48</b>	<b>20.50</b>	<b>22.50</b>	<b>46.00</b>	<b>23.50</b>
Vertical	49.16	8.83	0.88	25.38	22.60	6.93	40.00	33.07
	162.70	10.60	1.82	25.10	29.40	16.72	43.50	26.78
	202.10	9.49	2.11	25.10	30.70	17.20	43.50	26.30
	312.00	14.63	2.75	25.21	23.20	15.37	46.00	30.63
	510.40	19.84	3.46	26.70	24.30	20.90	46.00	25.10
	<b>869.70</b>	<b>23.83</b>	<b>4.95</b>	<b>26.45</b>	<b>20.10</b>	<b>22.43</b>	<b>46.00</b>	<b>23.57</b>

NOTE 1 – Emission Level = Meter Reading + Antenna Factor + Cable Loss – Preamp Factor

NOTE 2 – All reading are Quasi-Peak values.

NOTE 3 – The worst emission at horizontal polarization was detected at 852.10 MHz with corrected signal level of 22.50 dB( $\mu$ V) (limit is 46.00 dB( $\mu$ V)), when the antenna was 3.97m height and the turn table was at 145°.

NOTE 4 – The worst emission at vertical polarization was detected at 869.70 Hz with corrected signal level of 22.43 dB( $\mu$ V) (limit is 46.00 dB( $\mu$ V)), when the antenna was 1.00m height and the turn table was at 243°.

NOTE 5 – 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

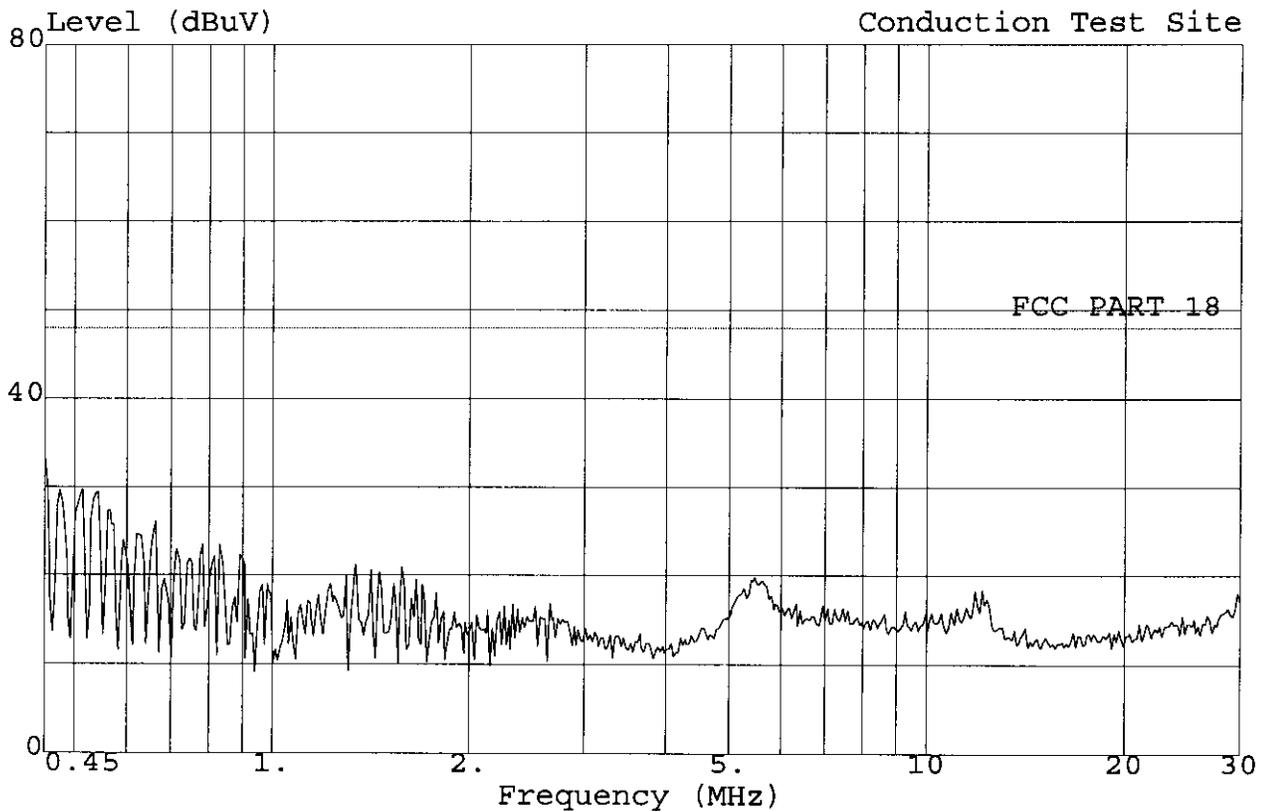
TEST ENGINEER: Lily Zhou  
(LILY ZHOU)

# APPENDIX

## CONDUCTED EMISSION WAVEFORM



Data#: 47 File#: H52.EMI Date: 1999-04-26 Time: 13:45:47



Trace: Ref Trace:  
 Limit: FCC PART 18 Probe:  
 Project No. : ACI-E-990006  
 Applicant : Mechanical & Electric Appliance Plant of  
 : the 52nd Research Institute of M.E.I  
 EUT : Energy Saving Lamp  
 M/N : EB 5W  
 Power Supply : 120V/60Hz  
 Ambient : 18.8'C 68%RH  
 Test Mode : ON  
 Test port : VA  
 Test Engineer: *Ldy Zhou*

**AUDIX**

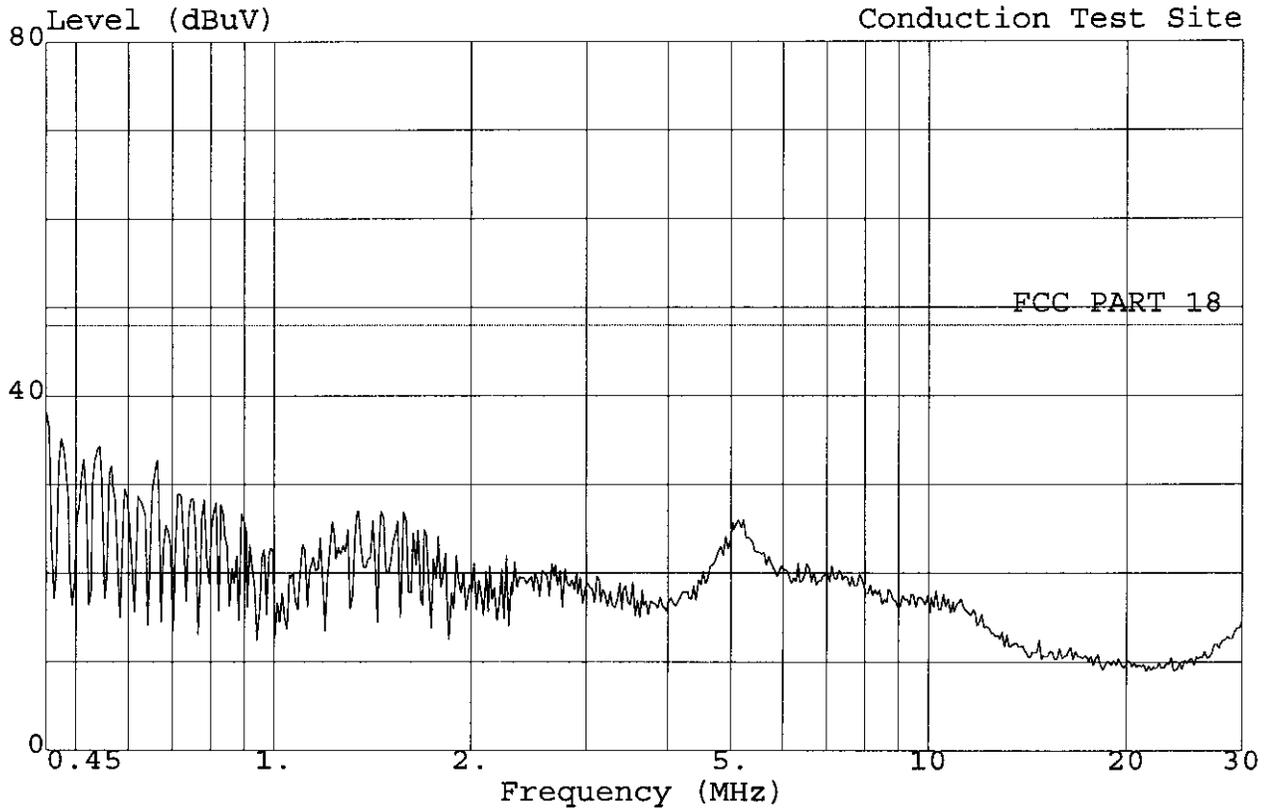
AUDIX Technology (Shanghai) Co., Ltd. Tel:021-64955500 Fax:021-64950791

FCC ID: OJXMEAP 61 of 67

3,4F #34 No.680 Guiping Rd  
Caohejing Xinxing Center  
Shanghai, China

Data#: 48 File#: H52.EMI

Date: 1999-04-26 Time: 14:04:48



Trace: Ref Trace:  
Limit: FCC PART 18 Probe:  
Project No. : ACI-E-990006  
Applicant : Mechanical & Electric Appliance Plant of  
: the 52nd Research Institute of M.E.I  
EUT : Energy Saving Lamp  
M/N : EB 5W  
Power Supply : 120V/60Hz  
Ambient : 18.8'C 68%RH  
Test Mode : ON  
Test port : VB  
Test Engineer: *Lily Zhou*

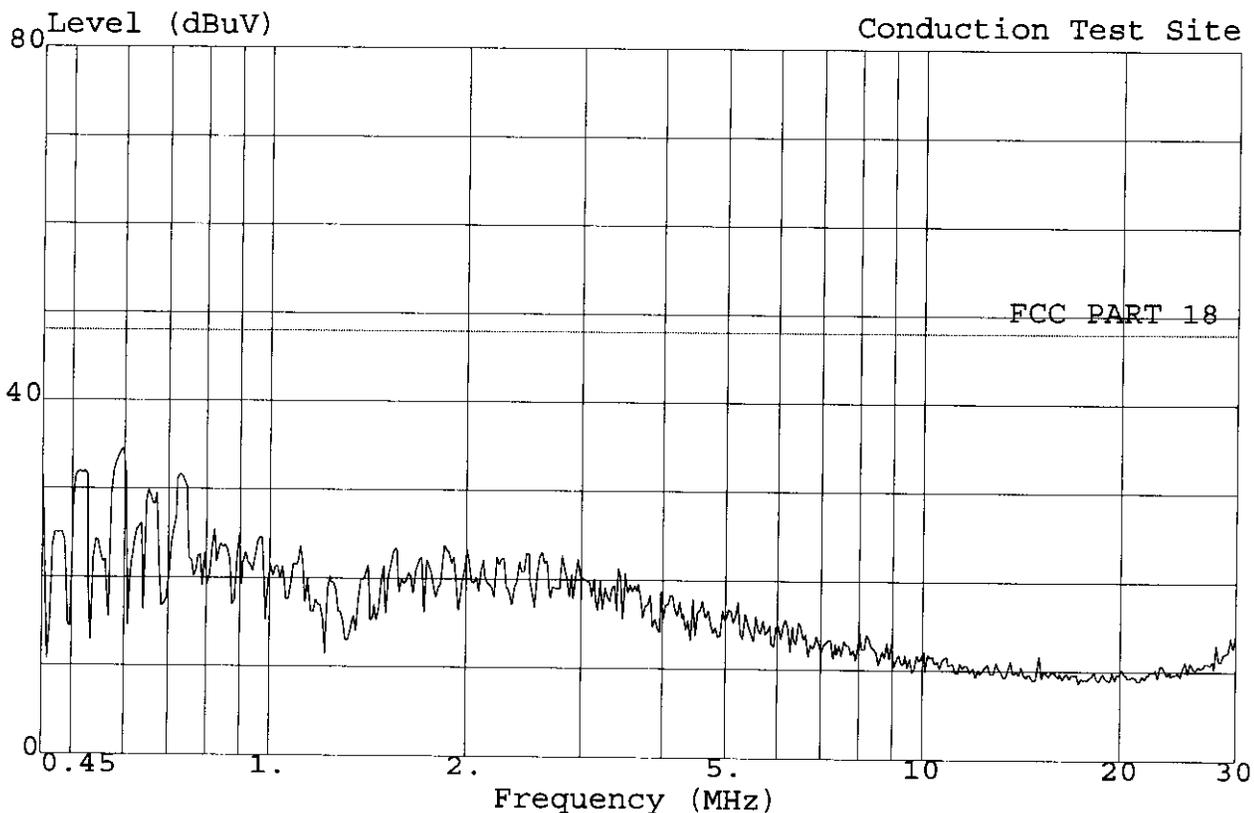




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FCC ID: OJXMEAP 63 of 67  
3,4F #34 No.680 Guiping Rd  
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Shanghai, China

Data#: 50 File#: H52.EMI Date: 1999-04-26 Time: 14:21:35



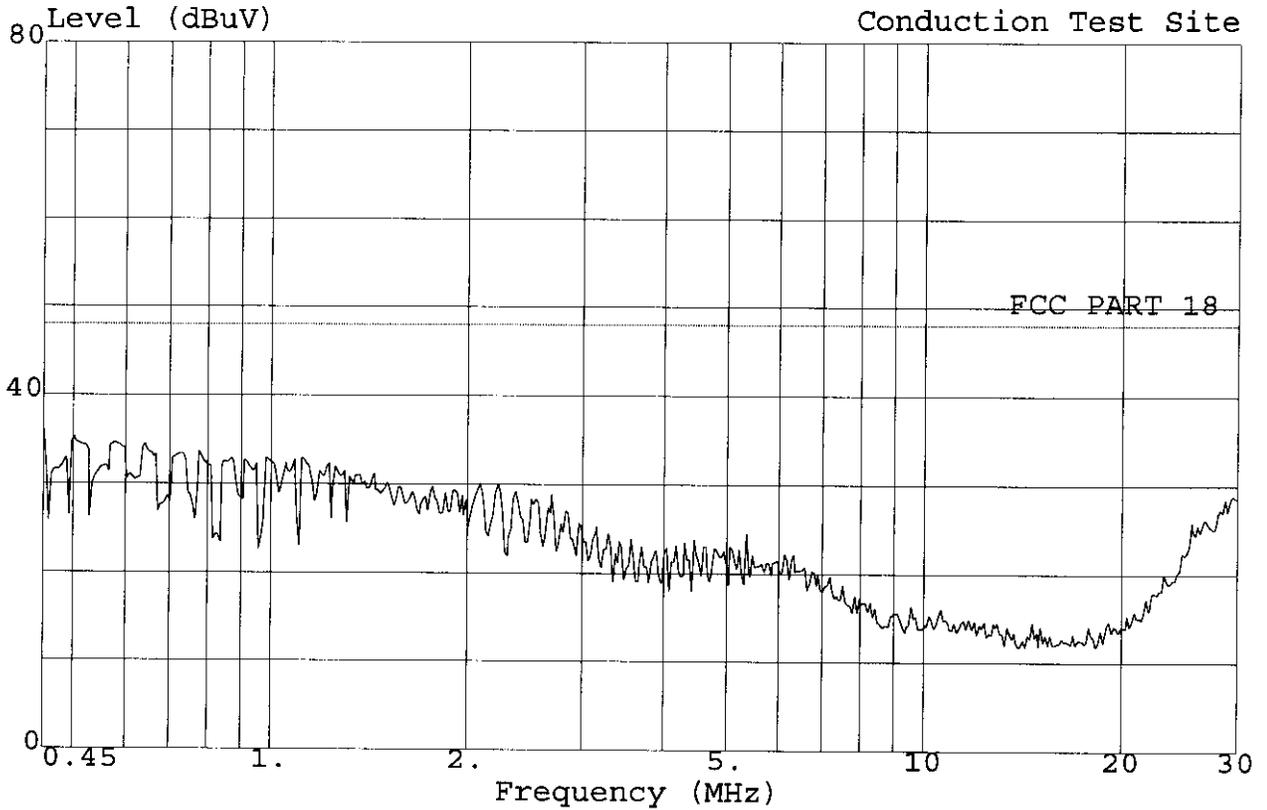
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Project No. : ACI-E-990006  
Applicant : Mechanical & Electric Appliance Plant of  
: the 52nd Research Institute of M.E.I  
EUT : Energy Saving Lamp  
M/N : EB 13W  
Power Supply : 120V/60Hz  
Ambient : 18.8'C 68%RH  
Test Mode : ON  
Test port : VB  
Test Engineer: *Lily Zhou*



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FCC ID: OJXMEAP 64 of 67  
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Shanghai, China

Data#: 51 File#: H52.EMI Date: 1999-04-26 Time: 14:29:48



Trace: Ref Trace:  
Limit: FCC PART 18 Probe:  
Project No. : ACI-E-990006  
Applicant : Mechanical & Electric Appliance Plant of  
: the 52nd Research Institute of M.E.I  
EUT : Energy Saving Lamp  
M/N : EB 15W  
Power Supply : 120V/60Hz  
Ambient : 18.8'C 68%RH  
Test Mode : ON  
Test port : VA  
Test Engineer: *Lily Zhou*



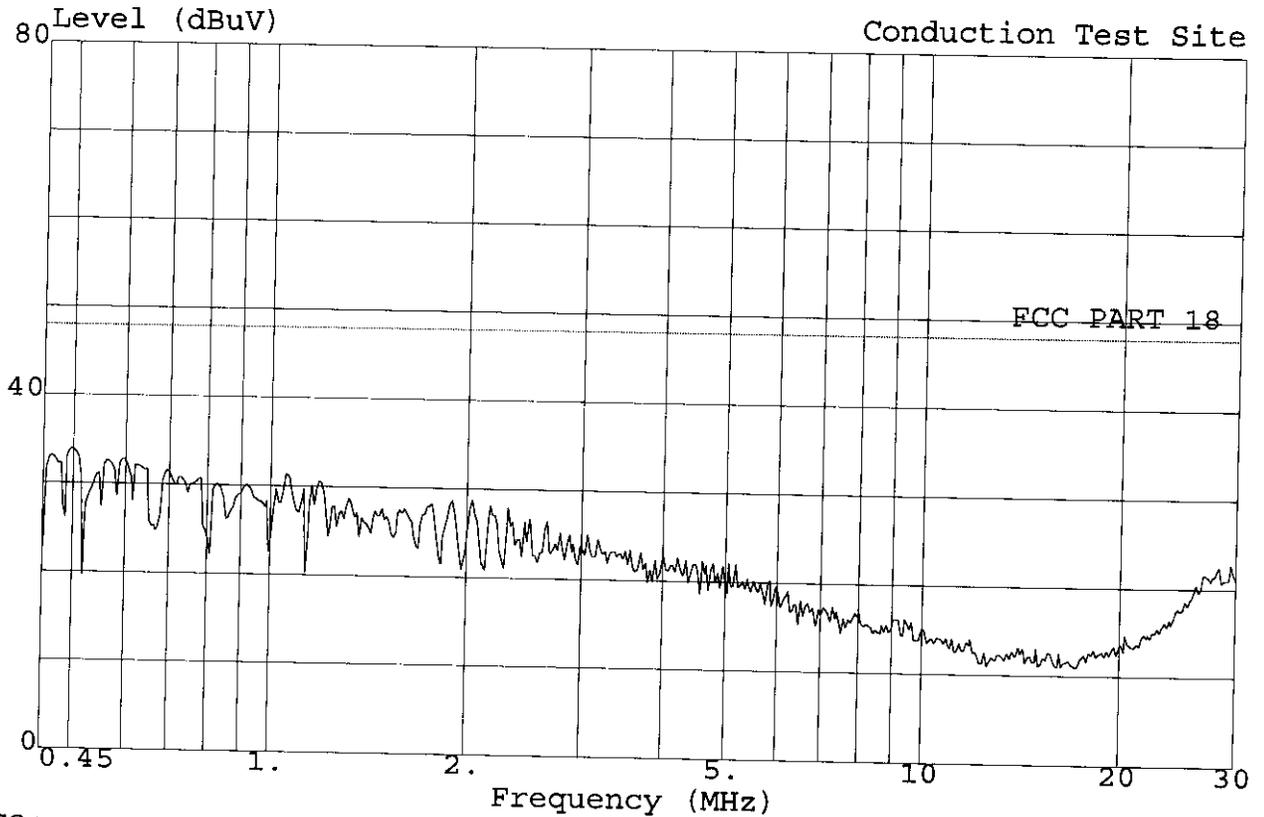
AUDIX Technology (Shanghai) Co., Ltd. Tel:021-64955500 Fax:021-64950791

FCC ID: OJXMEAP 65 of 67

3,4F #34 No.680 Guiping Rd  
Caohejing Xinxing Center  
Shanghai, China

Data#: 52 File#: H52.EMI

Date: 1999-04-26 Time: 14:39:24



Trace:

Limit: FCC PART 18 Probe:

Ref Trace:

Project No. : ACI-E-990006

Applicant : Mechanical & Electric Appliance Plant of  
: the 52nd Research Institute of M.E.I

EUT : Energy Saving Lamp

M/N : EB 15W

Power Supply : 120V/60Hz

Ambient : 18.8'C 68%RH

Test Mode : ON

Test port : VB

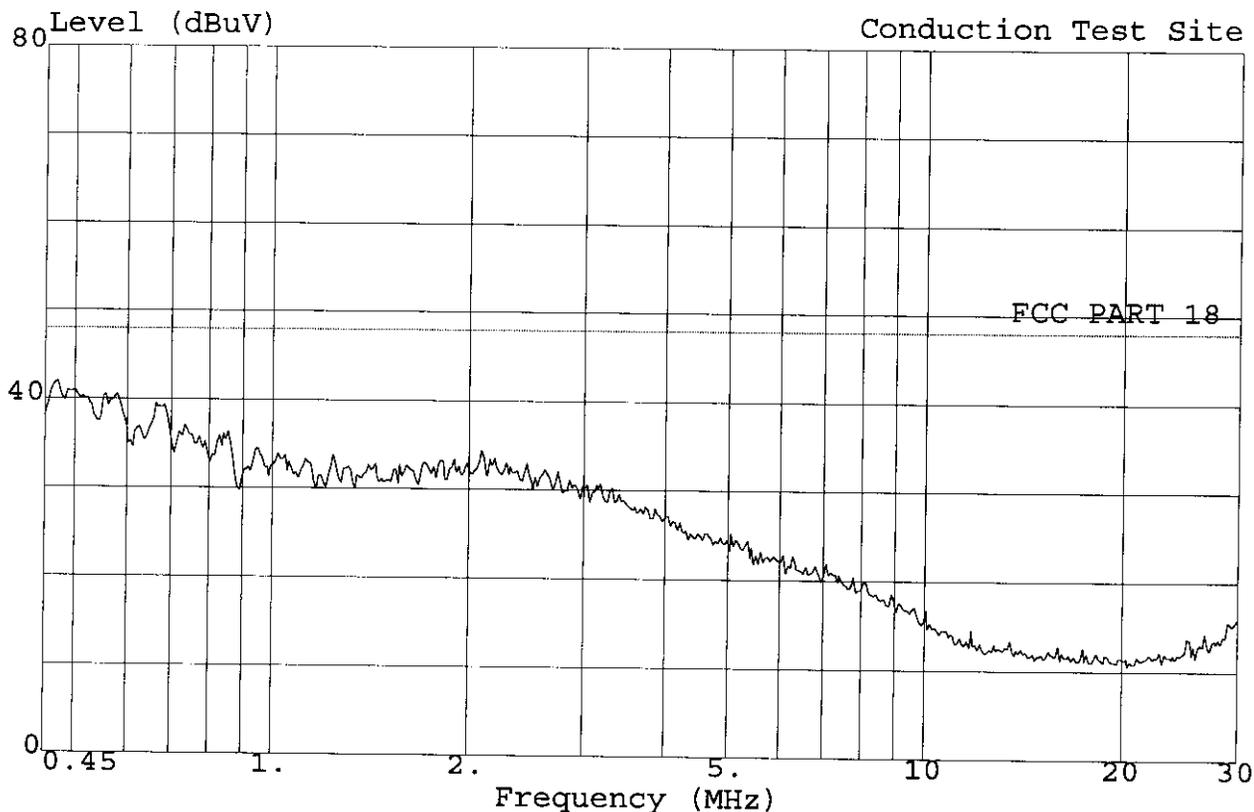
Test Engineer: *Lity Zhou*



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FCC ID: OJXMEAP 66 of 67  
3,4F #34 No.680 Guiping Rd  
Caohejing Xinxing Center  
Shanghai, China

Data#: 53 File#: H52.EMI Date: 1999-04-26 Time: 14:47:23



Trace: Limit: FCC PART 18 Probe: Ref Trace:  
Project No. : ACI-E-990006  
Applicant : Mechanical & Electric Appliance Plant of  
: the 52nd Research Institute of M.E.I  
EUT : Energy Saving Lamp  
M/N : EB 25W  
Power Supply : 120V/60Hz  
Ambient : 18.8'C 68%RH  
Test Mode : ON  
Test port : VA  
Test Engineer: *Lily Zhou*

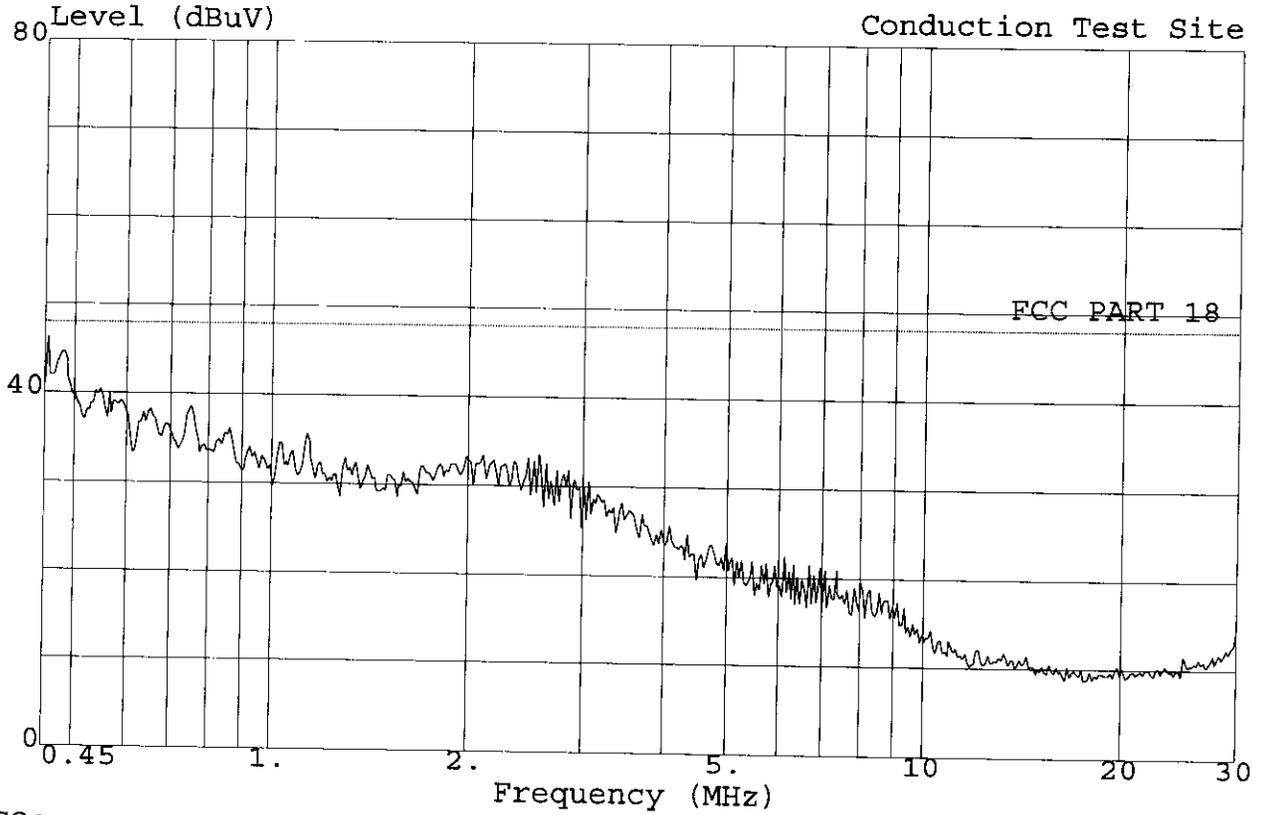


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Shanghai, China

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Data#: 54 File#: H52.EMI

Date: 1999-04-26 Time: 14:55:35



Trace: Limit: FCC PART 18 Probe: Ref Trace:  
 Project No. : ACI-E-990006  
 Applicant : Mechanical & Electric Appliance Plant of  
 : the 52nd Research Institute of M.E.I  
 EUT : Energy Saving Lamp  
 M/N : EB 25W  
 Power Supply : 120V/60Hz  
 Ambient : 18.8'C 68%RH  
 Test Mode : ON  
 Test port : VB  
 Test Engineer: Lily Zhou