

Application for FCC Certificate
On Behalf of
Shanghai Junsun Lighting Co., Ltd.

Self-Ballasted Lamp

Model No.:	JAD-5	JAD-7	JAD-9	JAD-11
	JAD-13	JAD-15	JAD-18	
	GBT-11	GBT-13	GBT-15	GBT-18
	GBT-20	GBT-23	GBT-25	
	JBS-15	JBS-18	JBS-20	JBS-23
	JBS-25			

FCC ID: P97JUNSUN0208

Prepared For : Shanghai Junsun Lighting Co., Ltd.
Beiguan, Malu Town, Jiading,
Shanghai, China

Prepared By : Audix Technology (Shanghai) Co., Ltd.
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Report No. : ACI-F02031
Date of Test : Mar 13 ~ Mar 18, 2002
Date of Report : Mar 26, 2002

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TEST REPORT FOR FCC CERTIFICATE

Applicant : Shanghai Junsun Lighting Co., Ltd.

Manufacturer : Shanghai Junsun Lighting Co., Ltd.

EUT Description : Self-Ballasted Lamp

(A) Model No.:

JAD-5	JAD-7	JAD-9	JAD-11
JAD-13	JAD-15	JAD-18	
JBT-11	JBT-13	JBT-15	JBT-18
JBT-20	JBT-23	JBT-25	
JBS-15	JBS-18	JBS-20	JBS-23
JBS-25			

(B) Serial No.:

N/A

(C) Power Supply: 120V/60Hz

Test Procedure Used:

*FCC RULES AND REGULATIONS PART 18 CONSUMER DEVICES (2000)
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 conducted emissions and field strength.

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.

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.

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 : Mar 13 ~ Mar 18, 2002

Prepared by : Casper Lei Test Engineer : Winston Hua
CASPER LEI
(Assistant)

WINSTON HUA
Audix Technology (Shanghai) Co., Ltd.
On behalf of

Reviewer : Byron Kwo Approved Signatory : Alex Chiu
BYRON KWO
(Supervisor)

Alex Chiu
Authorized Signatory (Manager)

1 GENERAL INFORMATION

1.1 Description of Equipment Under Test

Description : Self-Ballasted Lamp
 Type of EUT : Production Pre-product Pro-type
 Model Number : JAD-5 JAD-7 JAD-9 JAD-11 JAD-13
 JAD-15 JAD-18 JBT-11 JBT-13 JBT-15
 JBT-18 JBT-20 JBT-23 JBT-25 JBS-15
 JBS-18 JBS-20 JBS-23 JBS-25
 (All the above models were tested, and only the test data of
 JAD-5, JAD-11, JAD-18, JBT-11, JBT-18, JBT-25,
 JBS-15, JBS-20, JBS-25 are recorded in this report.)
 Applicant : Shanghai Junsun Lighting Co., Ltd.
 Beiguan, Malu Town, Jiading,
 Shanghai, China
 Manufacturer : Shanghai Junsun Lighting Co., Ltd.
 Beiguan, Malu Town, Jiading,
 Shanghai, China

M/N	Apparent Power (VA)	Real Power (W)
JAD-5	13.1	6.0
JAD-7	14.6	7.0
JAD-9	17.4	8.7
JAD-11	19.4	10.1
JAD-13	22.6	11.8
JAD-15	25.2	13.1
JAD-18	34.2	18.4
JBT-11	20.0	10.6
JBT-13	22.6	11.3
JBT-15	25.9	13.6
JBT-18	32.2	17.0
JBT-20	38.0	20.2
JBT-23	38.3	20.4
JBT-25	40.8	22.6
JBS-15	26.1	13.9
JBS-18	30.5	15.8
JBS-20	34.4	18.5
JBS-23	38.9	20.9
JBS-25	42.9	24.1

1.2 Description of Test Facility

Site Description : Sept. 17, 1998 file on
(Semi-Anechoic Chamber) Federal Communications Commission
FCC Engineering Laboratory
7435 Oakland Mills Road
Columbia, MD 21046, USA

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

Site Location : 3F 34Bldg 680 Guiping Rd,
Caohejing Hi-Tech Park,
Shanghai, China 200233

NVLAP Lab Code : 200371-0

1.3 Measurement Uncertainty

Conducted Emission Uncertainty : $U = \pm 2.66\text{dB}$

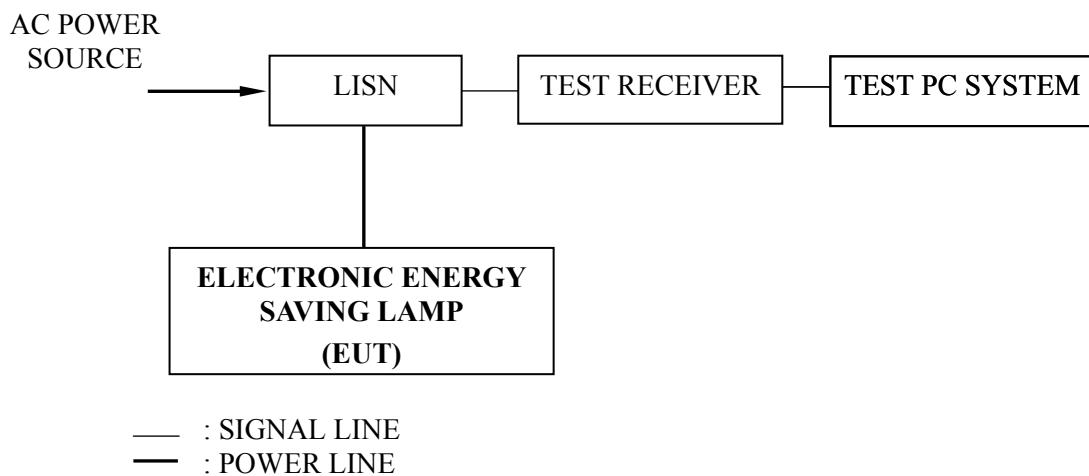
2 AC POWERLINE CONDUCTED EMISSION TEST

2.1 Test Equipment

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

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS10	844077/020	Apr 24, 2001	1 Year
2.	Line Impedance Stabilization Network (LISN)	Kyoritsu	KNW-407	8-1280-5	May 08, 2001	1 Year

2.2 Block Diagram of Test Setup



2.3 Conducted Emission Limits

Frequency (MHz)	Maximum RF Line Voltage	
	(μ V)	dB(μ V)
0.45 ~ 2.51	250	48
2.51 ~ 3	3000	70
3 ~ 30	250	48

NOTE 1 – RF Line Voltage dB (μ V) = 20 log RF Line Voltage (μ V)
 NOTE 2 – The tighter limits shall apply at the boundary between two frequency ranges.

2.4 Test Configuration

The EUT (listed in Sec. 1.1) was installed as shown on Sec. 2.2 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 emission test.

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

The frequency range from 450 kHz to 30 MHz was checked.

The test mode (Lighting) was done on conducted test and the test results of the highest emissions are listed in Sec. 2.7.

2.7 Test Results

< PASS >

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.

NOTE 1 – Emission Level = Read Level + Factor

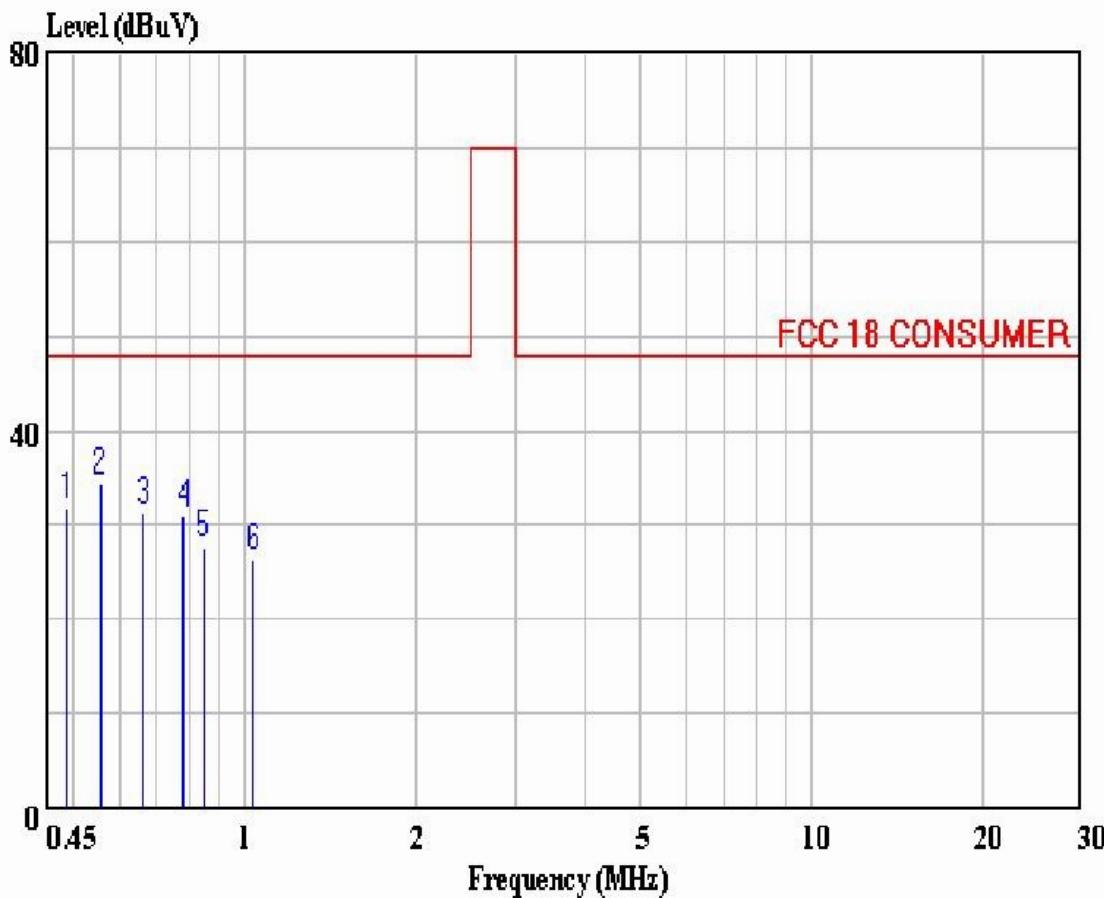
NOTE 2 – Factor = Insertion Loss + Cable Loss

NOTE 3 – All reading are Quasi-Peak Values.



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Data#: 171 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 16:06:02



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JAD-5W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VA
 Test Mode : On
 Test Engineer: *Winston Hua*

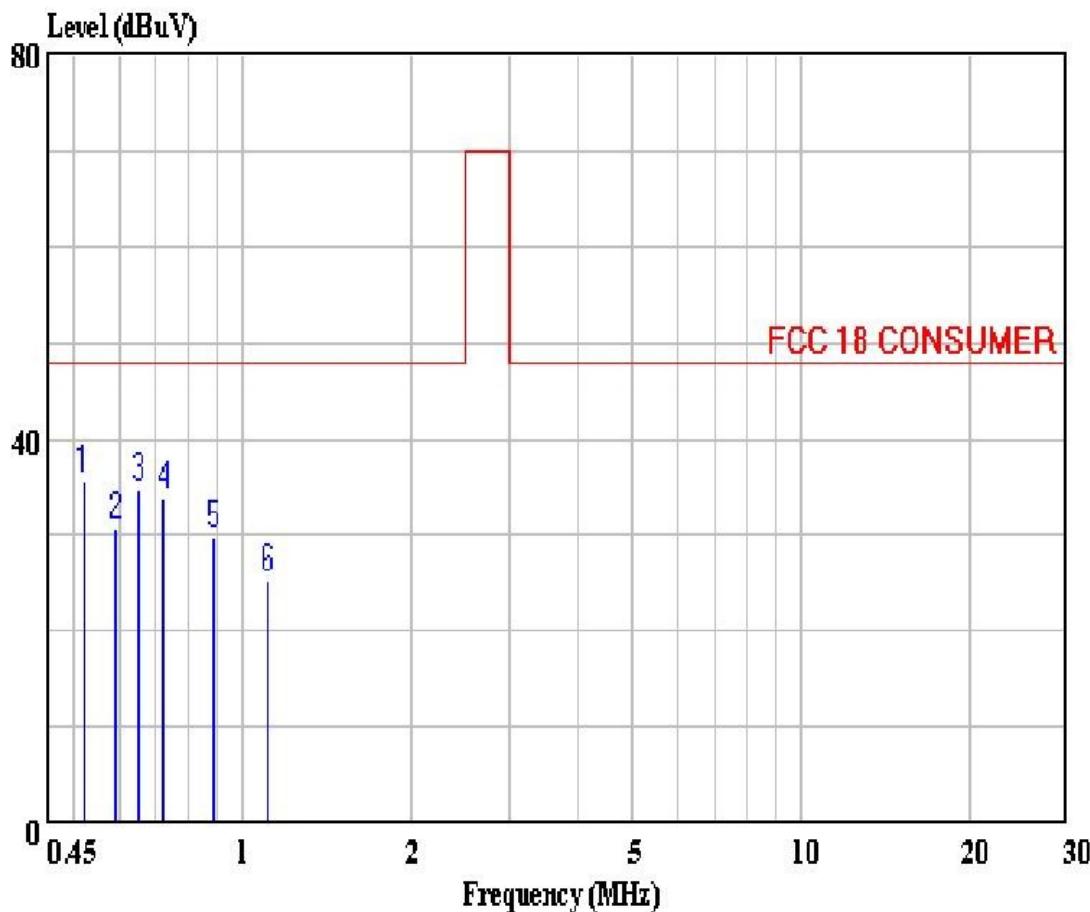
Page: 1

Freq	Read	Limit	Over	Line	Limit	Factor
	Level	Level	dB			
	MHz	dBuV	dBuV	dBuV	dB	dB
1	0.487	31.72	31.78	48.00	-16.22	0.06
2	0.557	34.34	34.39	48.00	-13.61	0.05
3	0.662	31.30	31.34	48.00	-16.66	0.04
4	0.780	30.93	30.97	48.00	-17.03	0.04
5	0.848	27.82	27.86	48.00	-20.14	0.04
6	1.038	26.40	26.45	48.00	-21.55	0.05



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Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JAD-5W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VB
 Test Mode : On
 Test Engineer: *Winston Hua*

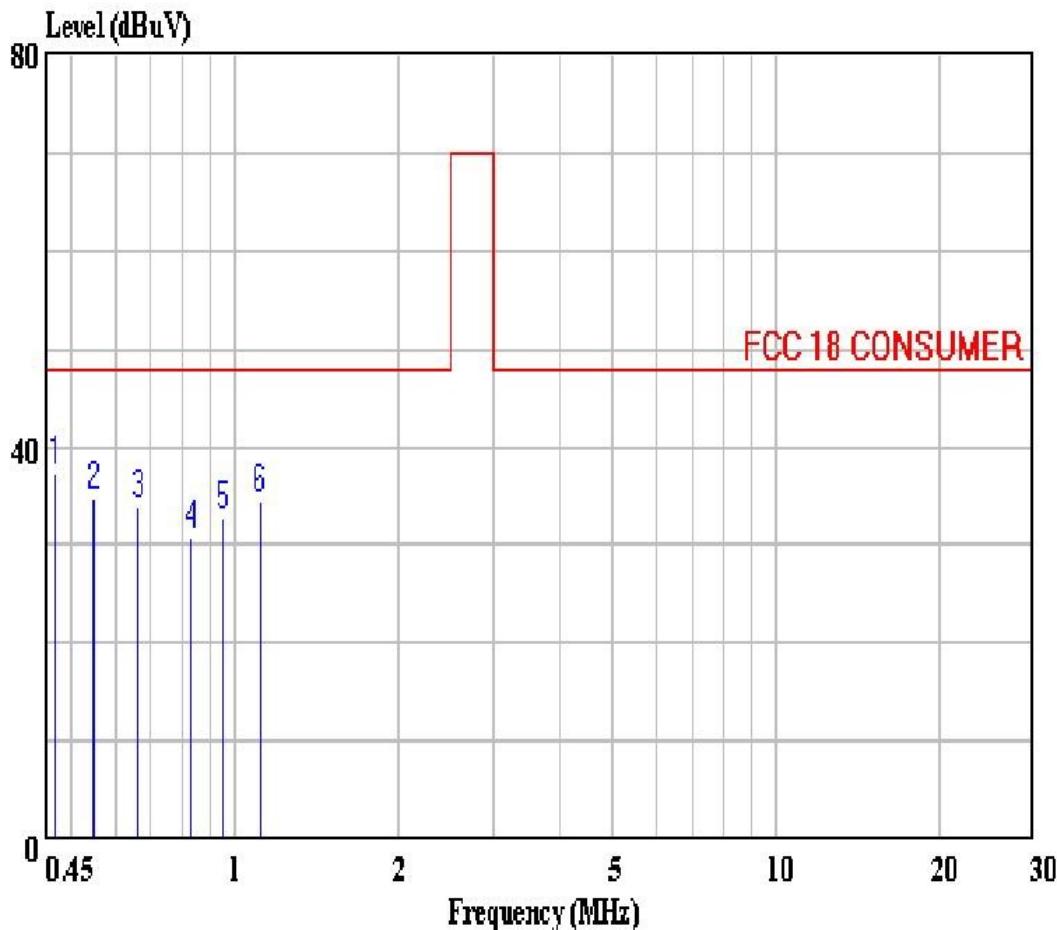
Page: 1

Freq	MHz	Read	Limit	Over	Factor	
		Level	Level	Line		
1	0.519	35.35	35.44	48.00	-12.56	0.09
2	0.594	30.57	30.65	48.00	-17.35	0.08
3	0.651	34.66	34.74	48.00	-13.26	0.08
4	0.723	33.71	33.79	48.00	-14.21	0.08
5	0.889	29.87	29.95	48.00	-18.05	0.08
6	1.110	25.30	25.38	48.00	-22.62	0.08



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Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JAD-11W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VA
 Test Mode : On
 Test Engineer: *Winston Hua*

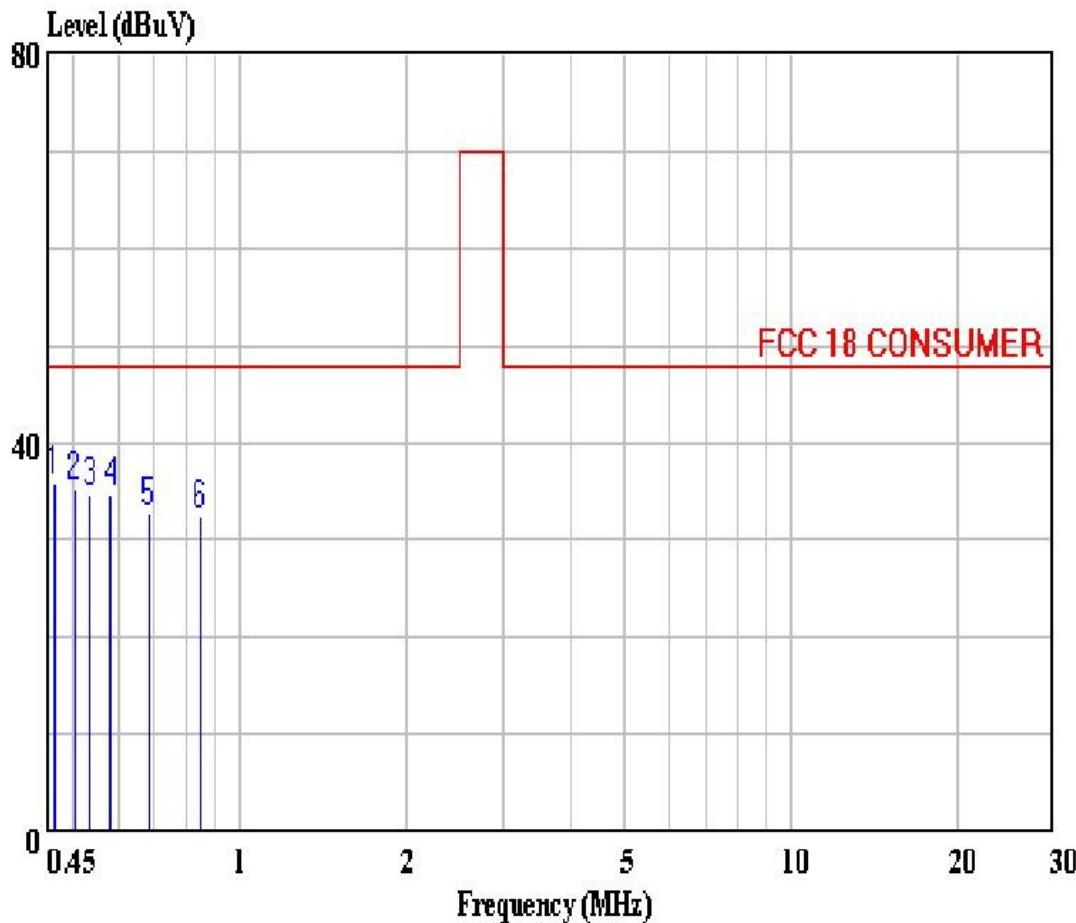
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Freq	MHz	Read	Limit	Over	Factor		
		Level	Level	Line			
		dBuV	dBuV	dBuV		dB	dB
1	0.467	37.10	37.16	48.00	-10.84	0.06	
2	0.548	34.66	34.71	48.00	-13.29	0.05	
3	0.662	33.69	33.73	48.00	-14.27	0.04	
4	0.831	30.74	30.78	48.00	-17.22	0.04	
5	0.950	32.76	32.81	48.00	-15.19	0.05	
6	1.115	34.24	34.29	48.00	-13.71	0.05	



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Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JAD-11W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23'C 56%RH
 Test line : VB
 Test Mode : On
 Test Engineer:

Winston Huo

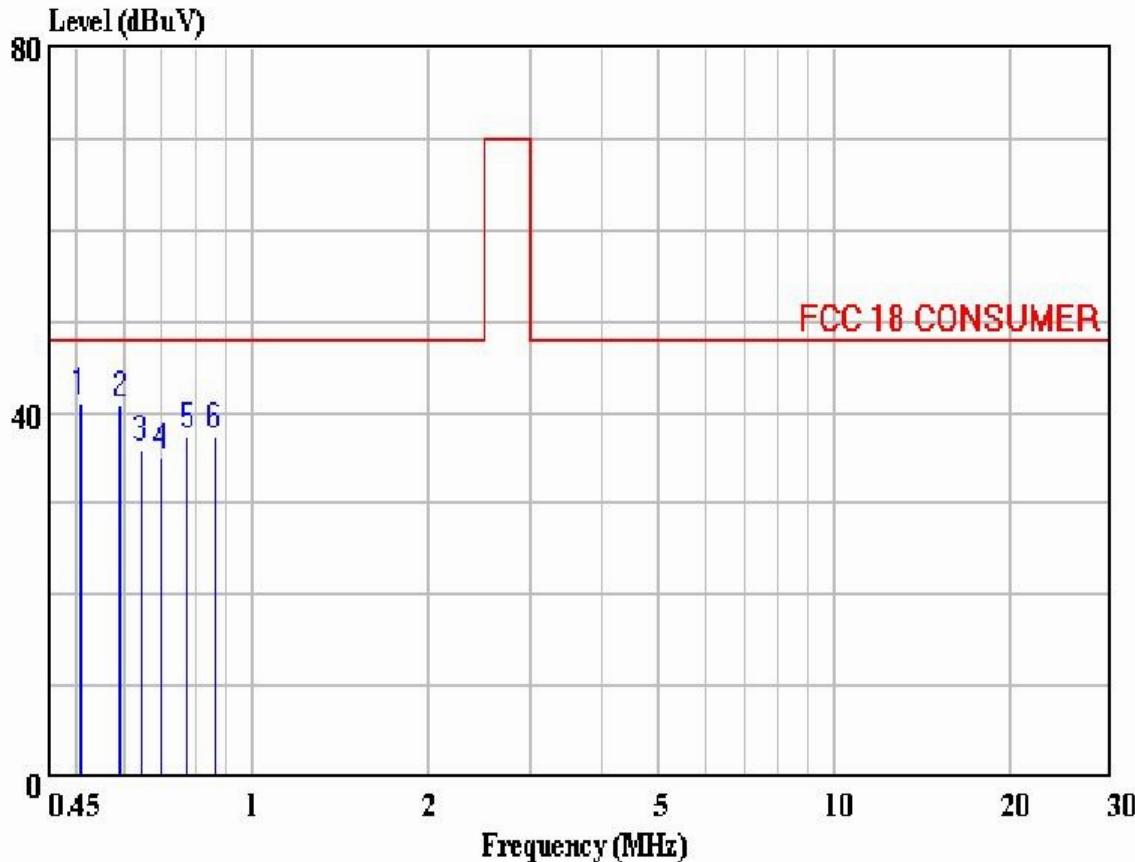
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Freq	MHz	Read	Limit	Over	Factor	
		Level	Level	Line		
1	0.461	35.74	35.83	48.00	-12.17	0.09
2	0.502	35.09	35.18	48.00	-12.82	0.09
3	0.535	34.70	34.79	48.00	-13.21	0.09
4	0.584	34.64	34.73	48.00	-13.27	0.09
5	0.685	32.59	32.67	48.00	-15.33	0.08
6	0.848	32.27	32.35	48.00	-15.65	0.08



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Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JAD-18W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VA
 Test Mode : On
 Test Engineer: *Winston Huo*

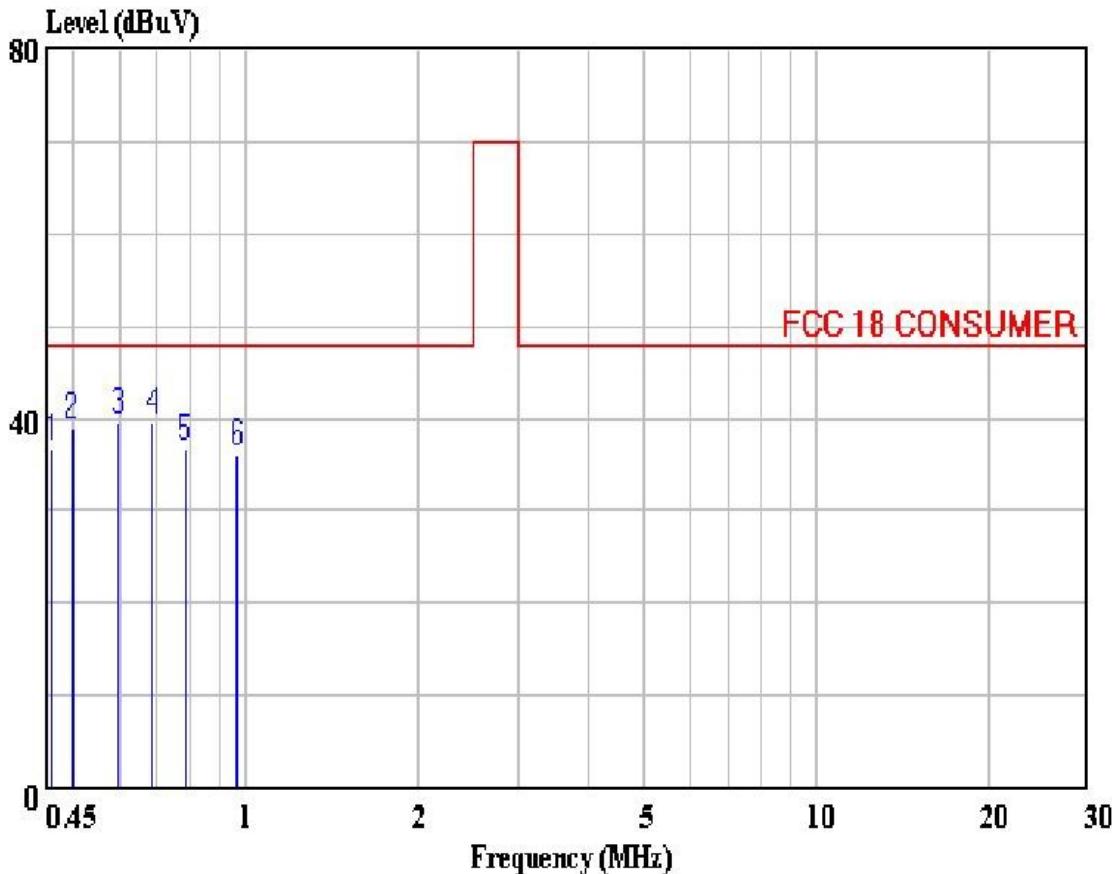
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Freq	Read	Limit	Over	Limit Factor		
	Level	Level	Line			
MHz	dBuV	dBuV	dBuV			
1	0.506	40.85	40.91	48.00	-7.09	0.06
2	0.594	40.82	40.86	48.00	-7.14	0.04
3	0.643	35.93	35.97	48.00	-12.03	0.04
4	0.696	35.08	35.11	48.00	-12.89	0.03
5	0.774	37.25	37.29	48.00	-10.71	0.04
6	0.863	37.16	37.20	48.00	-10.80	0.04



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Data#: 170 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 15:31:33



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JAD-18W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VB
 Test Mode : On
 Test Engineer: *Winston Hua*

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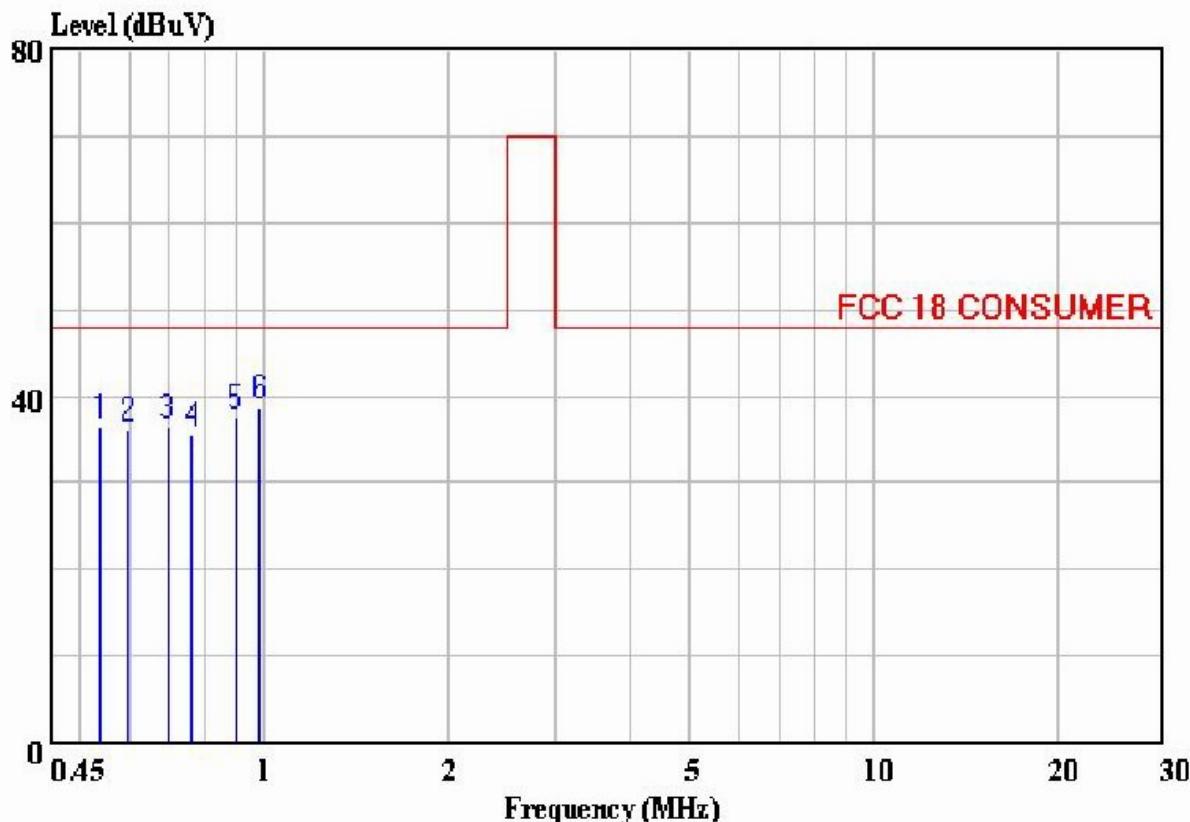
Freq	Read	Limit	Over			
	Level					
	MHz	dBuV	dBuV	dBuV	dB	dB
1	0.460	36.58	36.64	48.00	-11.36	0.06
2	0.498	38.98	39.04	48.00	-8.96	0.06
3	0.599	39.62	39.66	48.00	-8.34	0.04
4	0.688	39.55	39.58	48.00	-8.42	0.03
5	0.783	36.71	36.75	48.00	-11.25	0.04
6	0.966	36.13	36.18	48.00	-11.82	0.05



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Data#: 166 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 16:04:04



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBT-11W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23 'C 56%RH
 Test line : VA
 Test Mode : On
 Test Engineer: *Winston Hua*

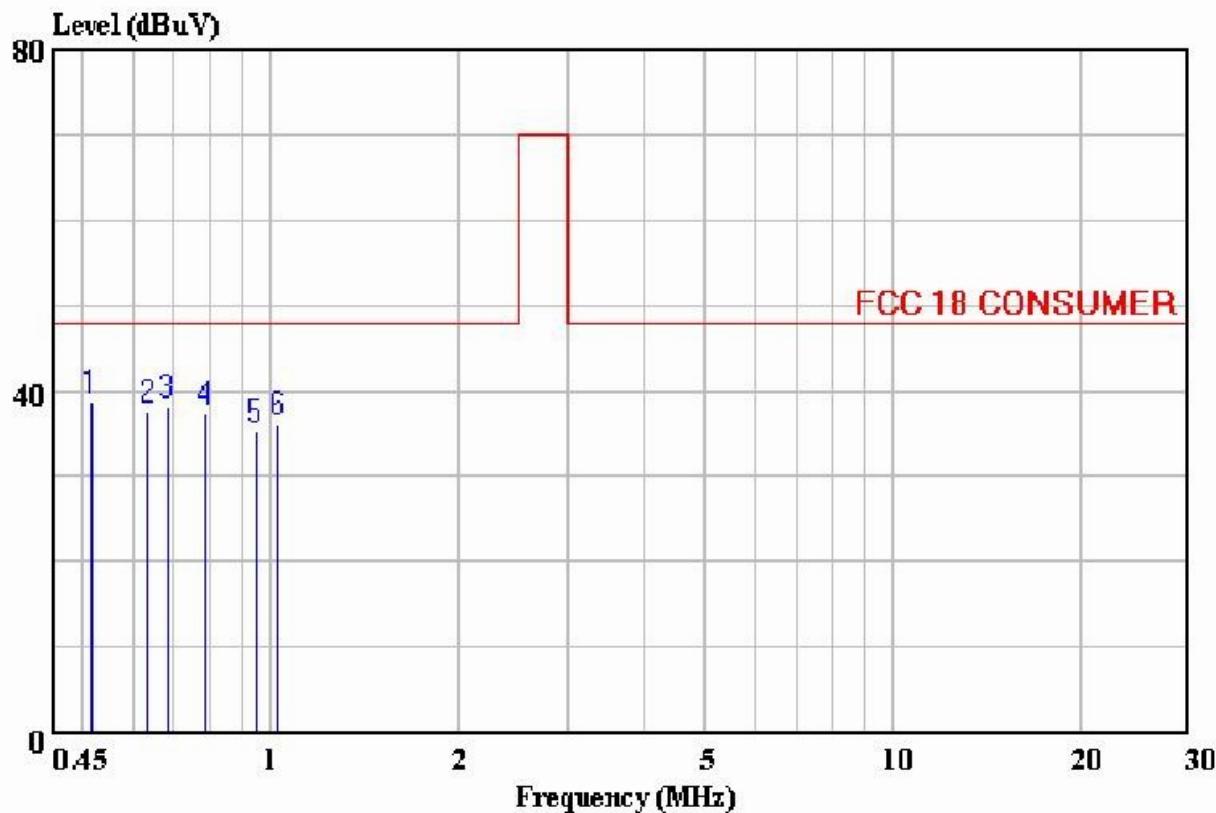
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	Read Freq	Level MHz	Limit Level dBuV	Over Line dBuV	Over Factor
		MHz	dBuV	dBuV	dB
1	0.539	36.28	36.33	48.00	-11.67 0.05
2	0.599	36.23	36.27	48.00	-11.73 0.04
3	0.696	36.48	36.51	48.00	-11.49 0.03
4	0.761	35.39	35.42	48.00	-12.58 0.03
5	0.900	37.47	37.51	48.00	-10.49 0.04
6	0.987	38.72	38.77	48.00	-9.23 0.05



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Data#: 165 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 16:03:05



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBT-11W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23'C 56%RH
 Test line : VB
 Test Mode : On
 Test Engineer: *Winston Hua*

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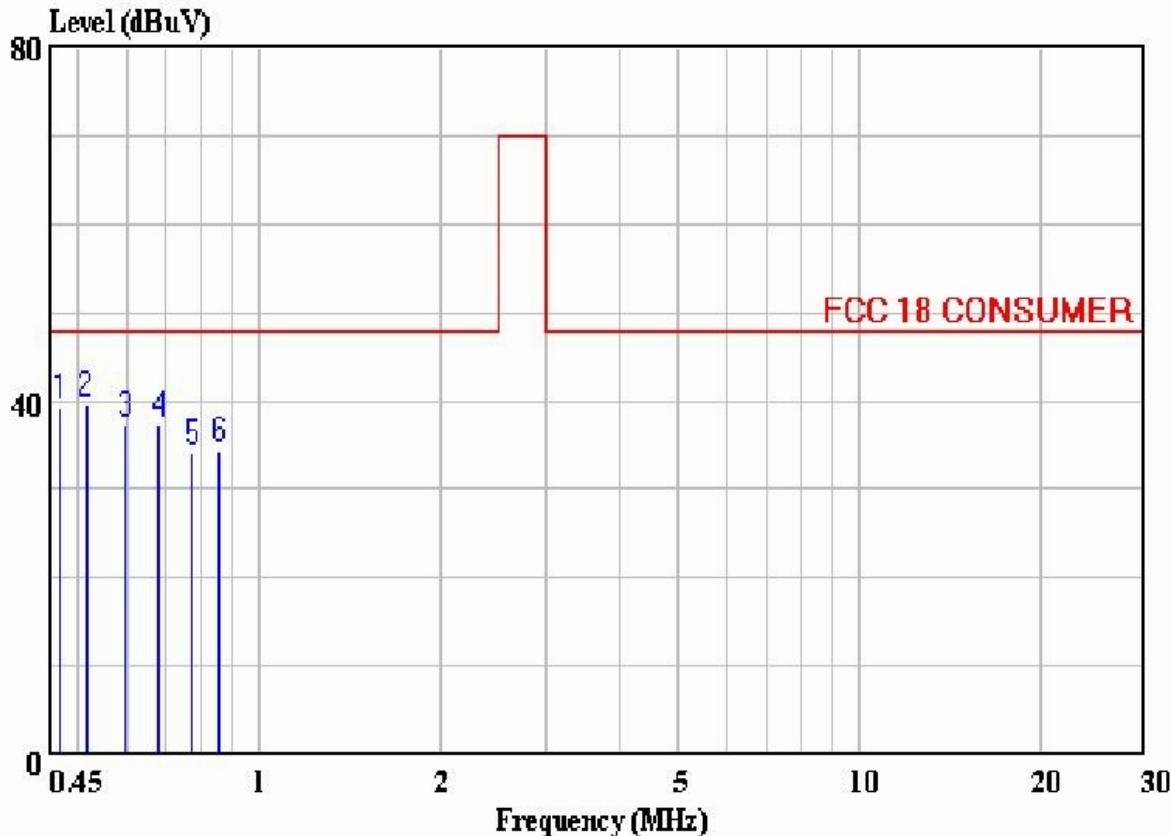
Freq	Read	Limit	Over	Line	Limit	Factor
	Level	Level	Line			
MHz	dBuV	dBuV	dBuV	dB	dB	
1	0.515	38.64	38.73	48.00	-9.27	0.09
2	0.635	37.37	37.45	48.00	-10.55	0.08
3	0.685	37.97	38.05	48.00	-9.95	0.08
4	0.783	37.33	37.41	48.00	-10.59	0.08
5	0.946	35.30	35.38	48.00	-12.62	0.08
6	1.029	36.20	36.28	48.00	-11.72	0.08



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Data#: 167 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 15:51:14



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBT-18W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VA
 Test Mode : On
 Test Engineer: *Winfou Hua*

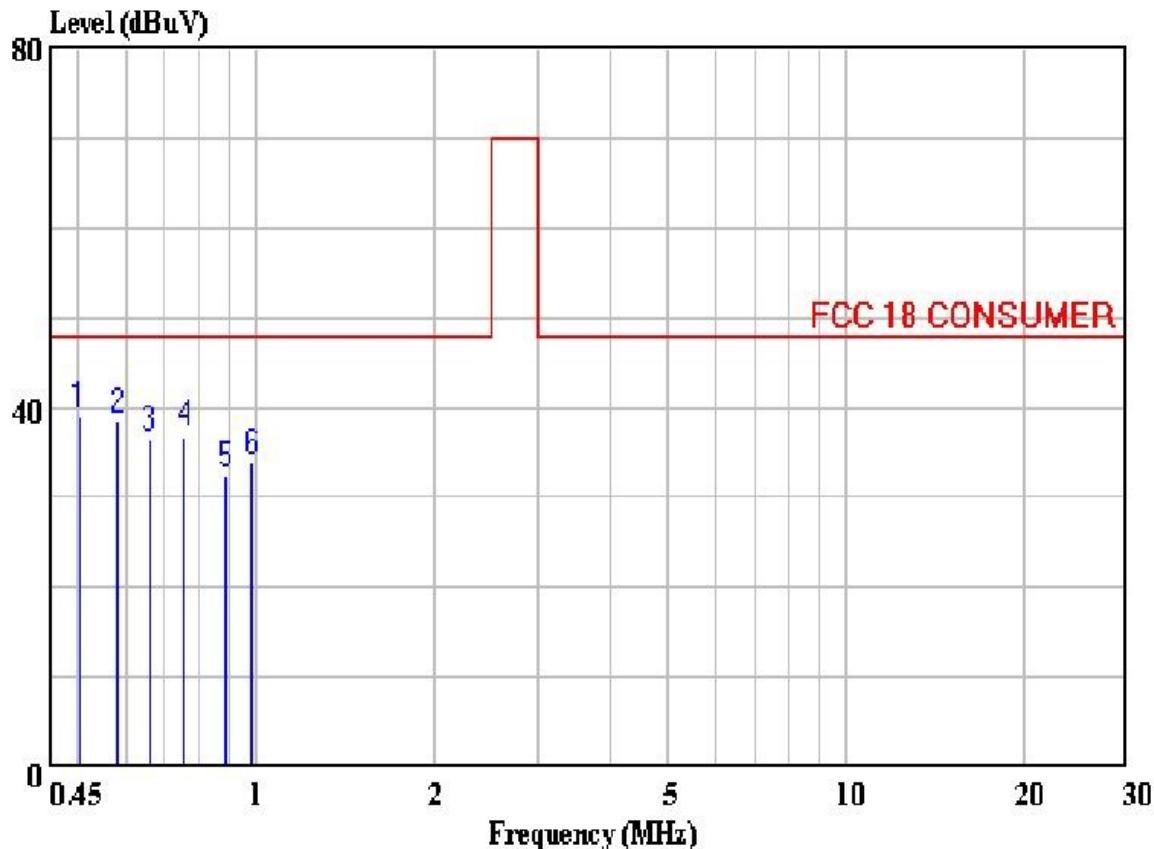
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Freq	Read	Limit	Over	Limit Factor		
	Level	Level	Line			
	MHz	dBuV	dBuV	dBuV	dB	dB
1	0.467	39.14	39.20	48.00	-8.80	0.06
2	0.515	39.54	39.60	48.00	-8.40	0.06
3	0.599	37.33	37.37	48.00	-10.63	0.04
4	0.682	37.35	37.38	48.00	-10.62	0.03
5	0.774	34.16	34.20	48.00	-13.80	0.04
6	0.859	34.42	34.46	48.00	-13.54	0.04



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Data#: 168 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 15:54:55



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBT-18W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23'C 56%RH
 Test line : VB
 Test Mode : On
 Test Engineer: *Winston Hua*

Page: 1

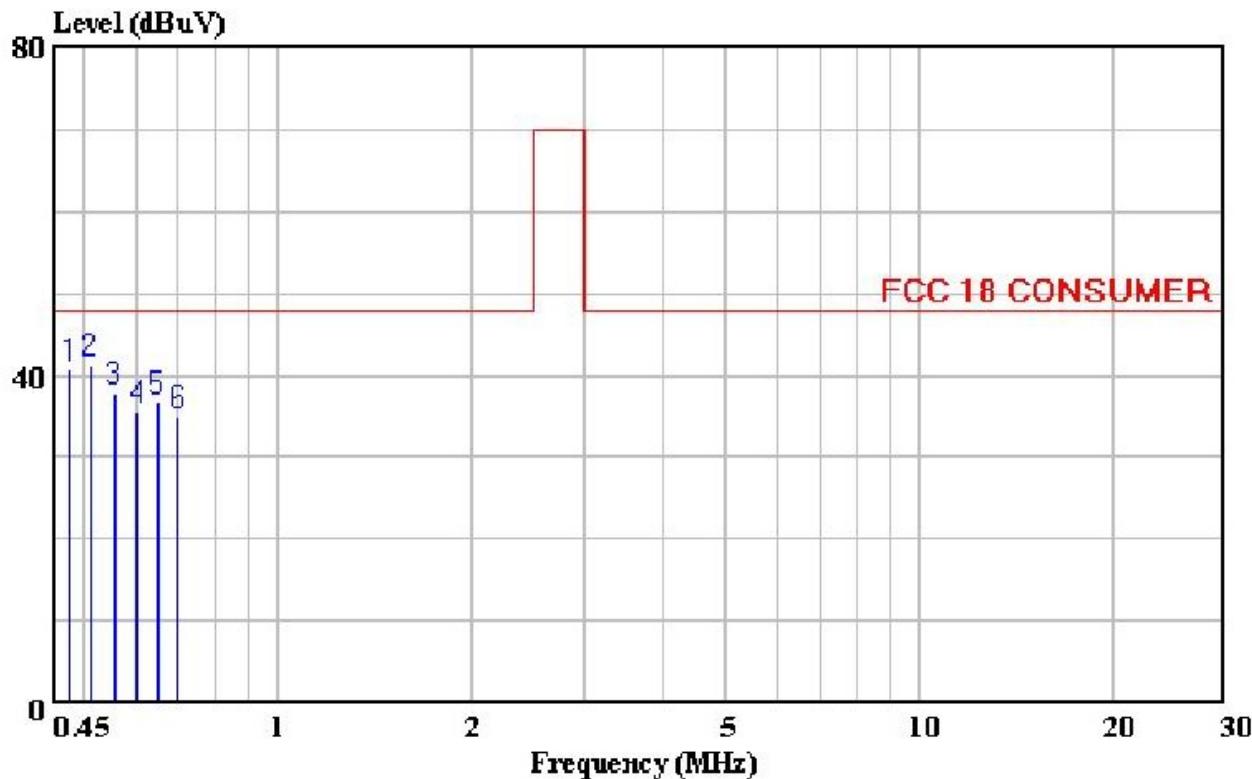
Freq	Read	Limit	Over	Limit Factor		
	Level	Level	Line			
MHz	dBuV	dBuV	dBuV	dB	dB	
1	0.502	38.80	38.89	48.00	-9.11	0.09
2	0.584	38.37	38.46	48.00	-9.54	0.09
3	0.659	36.25	36.33	48.00	-11.67	0.08
4	0.754	37.02	37.10	48.00	-10.90	0.08
5	0.889	32.30	32.38	48.00	-15.62	0.08
6	0.987	33.88	33.88	48.00	-14.12	0.08



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Data#: 163 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 15:44:34



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBT-25W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VA
 Test Mode : On
 Test Engineer: *Winston Hua*

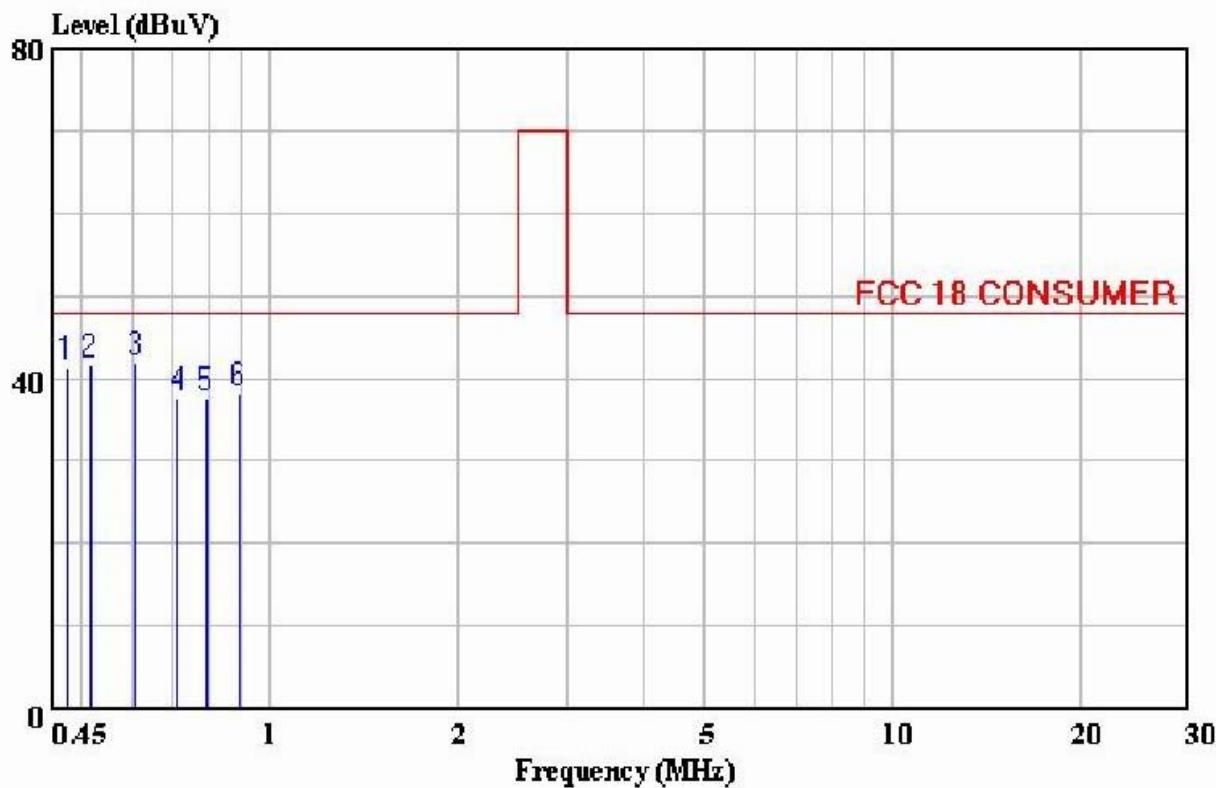
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Freq	Read	Limit	Over	Factor		
	Level	Level	Line			
	MHz	dBuV	dBuV	dB	dB	
1	0.475	40.71	40.77	48.00	-7.23	0.06
2	0.510	41.11	41.17	48.00	-6.83	0.06
3	0.557	37.73	37.78	48.00	-10.22	0.05
4	0.604	35.39	35.43	48.00	-12.57	0.04
5	0.648	36.59	36.63	48.00	-11.37	0.04
6	0.699	34.89	34.92	48.00	-13.08	0.03



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Data#: 164 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 15:43:39



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBT-25W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23'C 56%RH
 Test line : VB
 Test Mode : On
 Test Engineer: *Winston Hua*

Page: 1

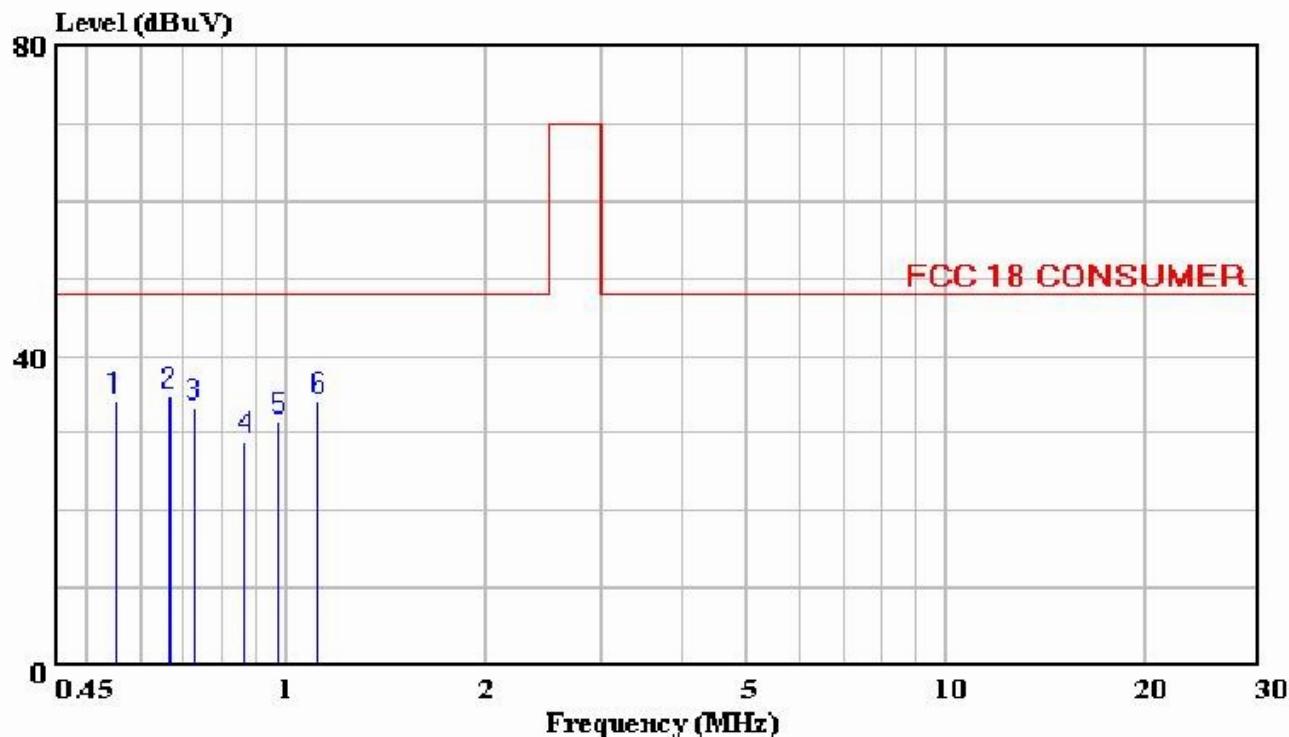
Freq	Read	Limit	Over			
	Level	Level	Line	Limit Factor		
	MHz	dBuV	dBuV	dBuV	dB	dB
1	0.473	41.12	41.21	48.00	-6.79	0.09
2	0.515	41.47	41.56	48.00	-6.44	0.09
3	0.609	41.86	41.94	48.00	-6.06	0.08
4	0.711	37.36	37.44	48.00	-10.56	0.08
5	0.790	37.54	37.62	48.00	-10.38	0.08
6	0.892	38.01	38.09	48.00	-9.91	0.08



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Data#: 161 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 15:59:48



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBS-15W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VA
 Test Mode : On
 Test Engineer: *Winston Hua*

Page: 1

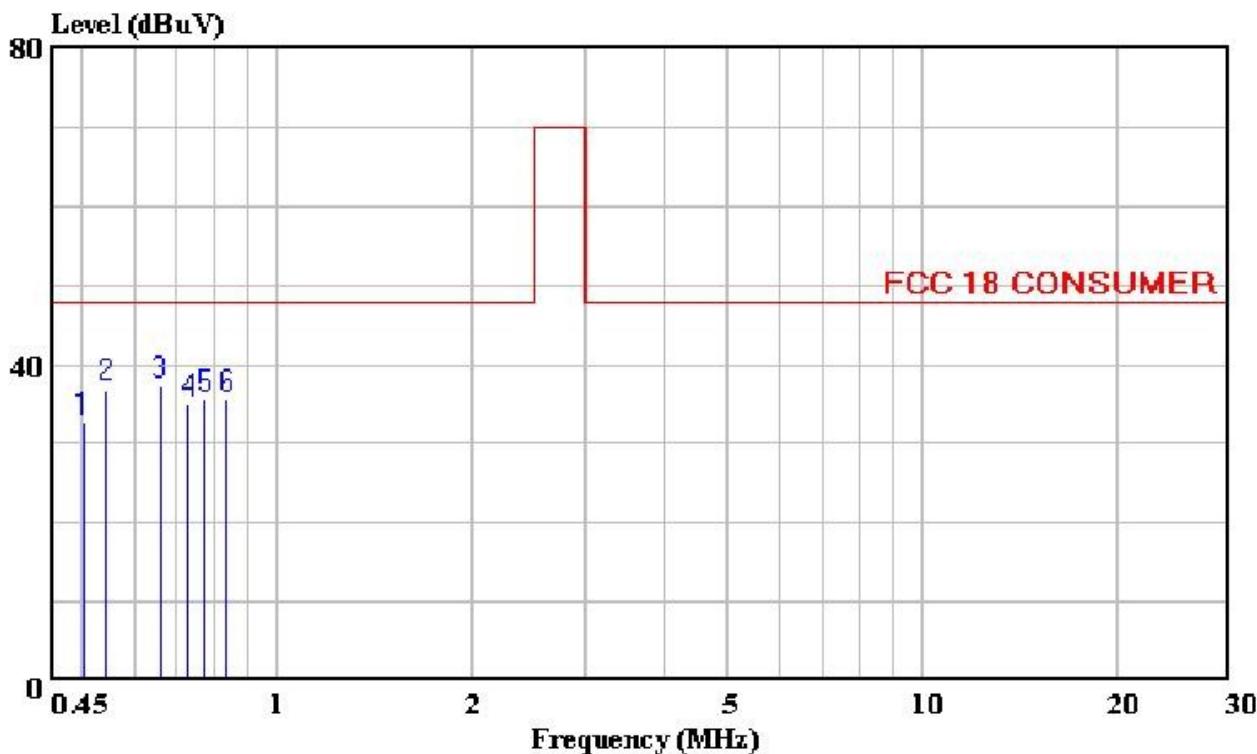
Freq	Read	Limit	Over	Factor		
	Level	Level	Line			
	MHz	dBuV	dBuV	dBuV	dB	dB
1	0.551	33.98	34.03	48.00	-13.97	0.05
2	0.665	34.63	34.66	48.00	-13.34	0.03
3	0.726	33.25	33.28	48.00	-14.72	0.03
4	0.866	28.98	29.02	48.00	-18.98	0.04
5	0.975	31.46	31.51	48.00	-16.49	0.05
6	1.119	34.14	34.19	48.00	-13.81	0.05



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Data#: 162 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 16:00:56



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBS-15W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VB
 Test Mode : On
 Test Engineer: *Winston Hua*

Page: 1

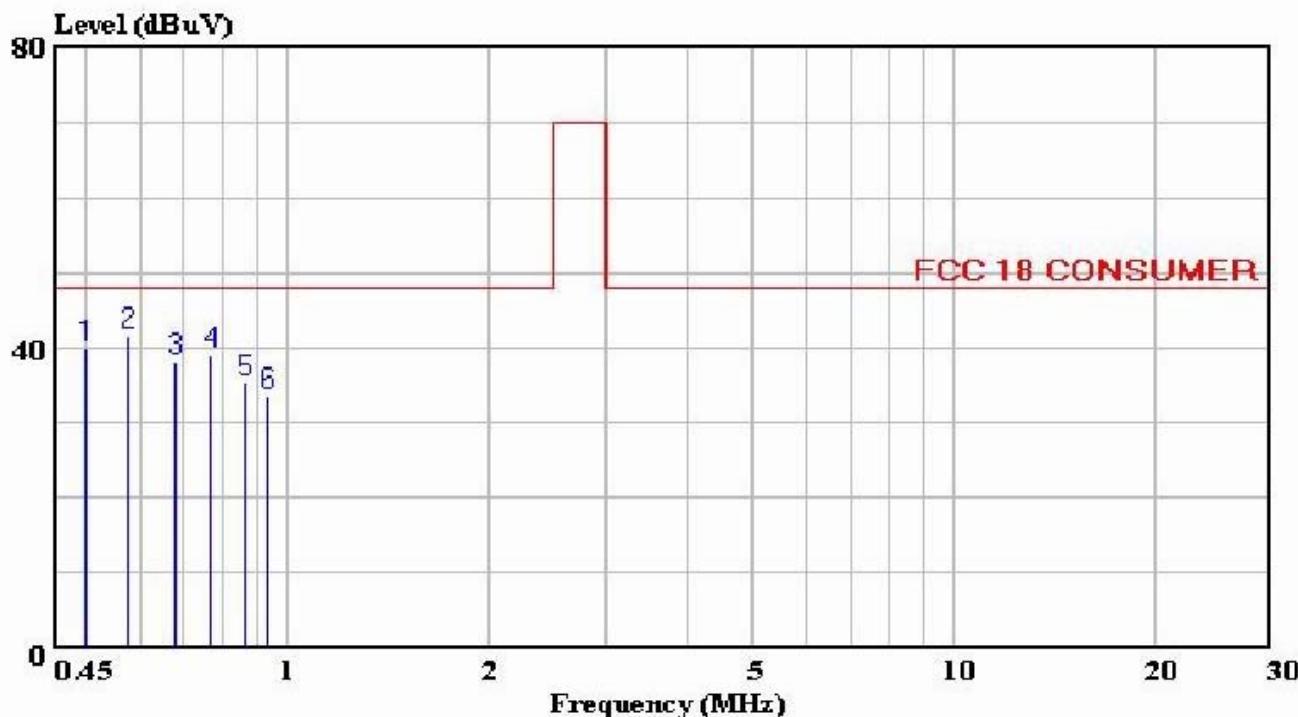
Freq	Read		Limit Line	Over Limit Factor	
	Level	Level		dB	dB
	MHz	dBuV	dBuV	dBuV	dB
1	0.502	32.62	32.71	48.00	-15.29
2	0.544	36.84	36.93	48.00	-11.07
3	0.659	37.31	37.39	48.00	-10.61
4	0.729	34.94	35.02	48.00	-12.98
5	0.774	35.37	35.45	48.00	-12.55
6	0.838	35.58	35.66	48.00	-12.34



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Data#: 160 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 15:46:58



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBS-20W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VA
 Test Mode : On
 Test Engineer: *Winston Hua*

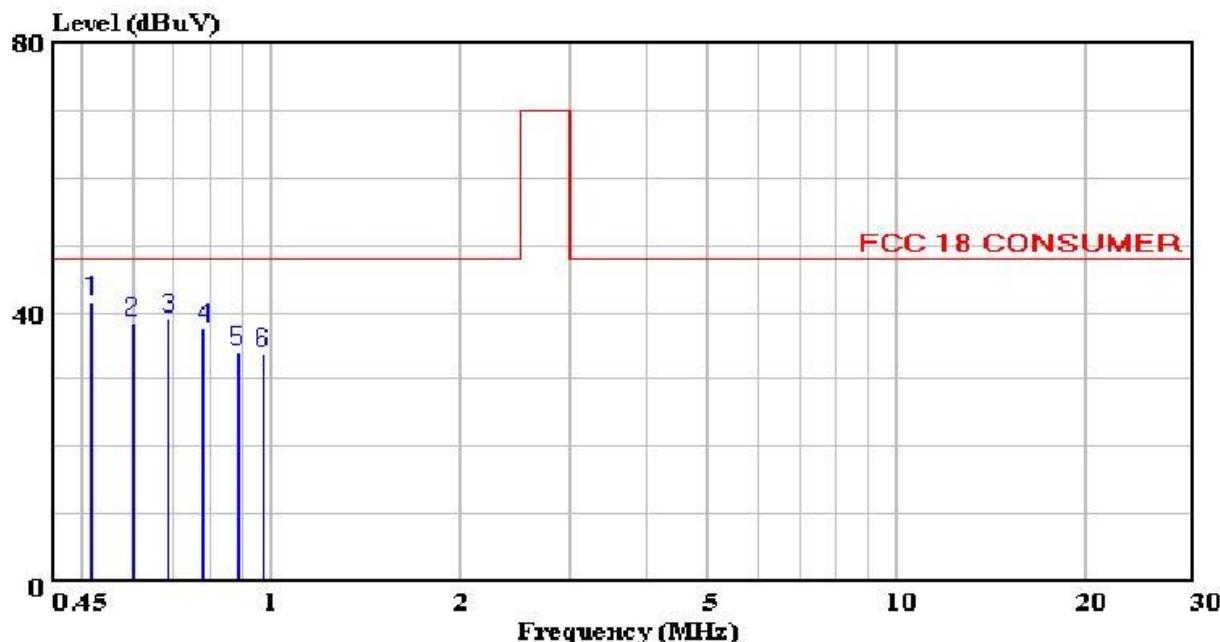
Page: 1

Freq	Read	Limit	Over	Limit Factor		
	Level	Level	Line			
	MHz	dBuV	dBuV	dBuV	dB	dB
1	0.500	39.78	39.84	48.00	-8.16	0.06
2	0.579	41.56	41.61	48.00	-6.39	0.05
3	0.682	38.16	38.19	48.00	-9.81	0.03
4	0.767	38.84	38.88	48.00	-9.12	0.04
5	0.866	35.27	35.31	48.00	-12.69	0.04
6	0.934	33.46	33.51	48.00	-14.49	0.05



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Data#: 159 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 15:48:15



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBS-20W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VB
 Test Mode : On
 Test Engineer: *Winston Hua*

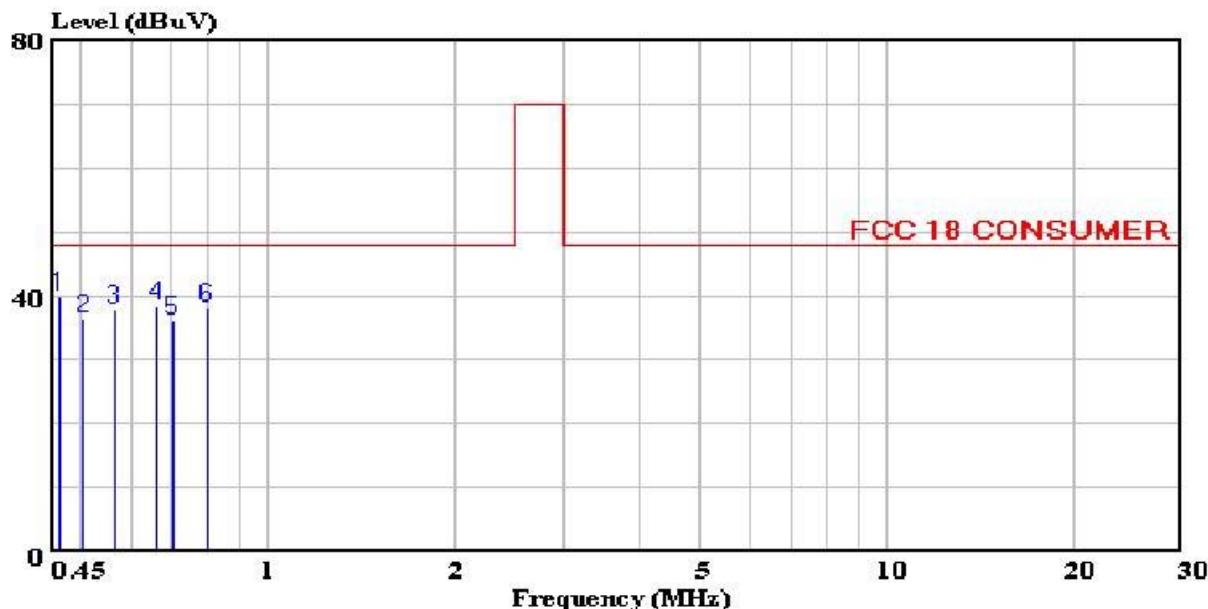
Page: 1

Freq	Read		Limit Line	Over Limit Factor	
	MHz	dBuV	dBuV	dB	dB
1	0.517	41.48	41.57	48.00	-6.43 0.09
2	0.601	38.27	38.35	48.00	-9.65 0.08
3	0.688	38.79	38.87	48.00	-9.13 0.08
4	0.780	37.61	37.69	48.00	-10.31 0.08
5	0.885	34.05	34.13	48.00	-13.87 0.08
6	0.970	33.74	33.82	48.00	-14.18 0.08



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Data#: 158 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 15:36:52



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBS-25W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23°C 56%RH
 Test line : VA
 Test Mode : On
 Test Engineer: *Winston Hua*

Page: 1

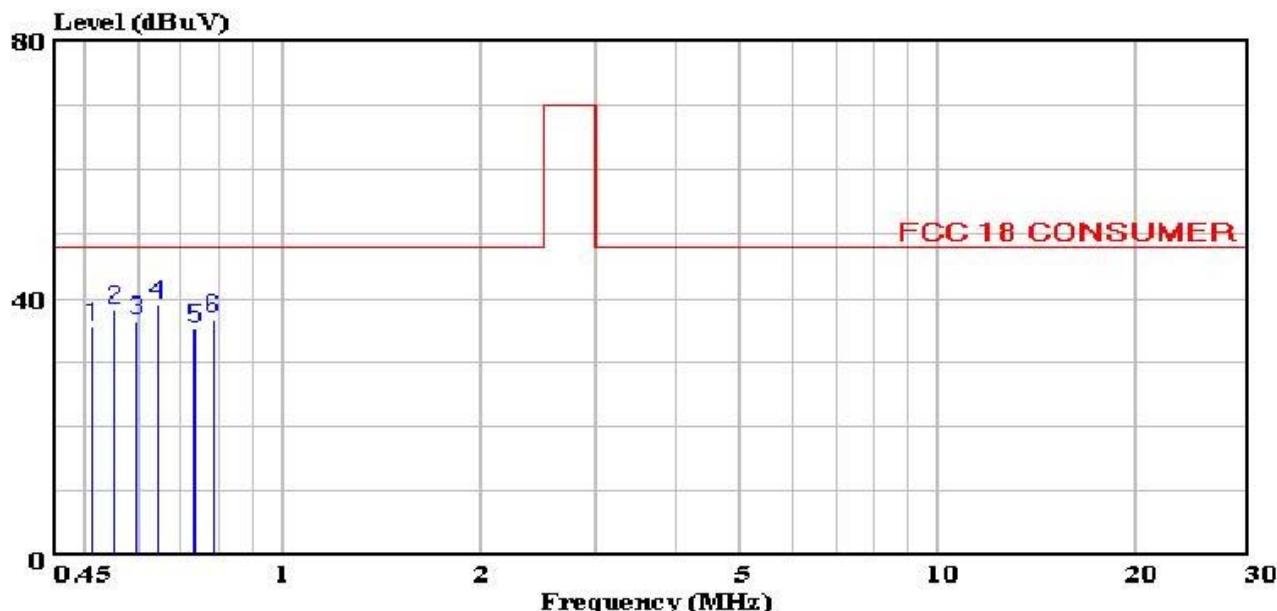
Freq	Read	Limit	Over	Factor		
	Level	Level	Line			
	MHz	dBuV	dBuV	dBuV	dB	dB
1	0.461	39.86	39.92	48.00	-8.08	0.06
2	0.504	36.35	36.41	48.00	-11.59	0.06
3	0.567	37.71	37.76	48.00	-10.24	0.05
4	0.659	38.32	38.36	48.00	-9.64	0.04
5	0.702	36.24	36.27	48.00	-11.73	0.03
6	0.797	38.14	38.18	48.00	-9.82	0.04



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Data#: 157 File#: D:\EMIVM\TEST\J\Junsun.EMI Date: 2002-03-13 Time: 15:40:04



Site : audix-aci Conducted Emission
 Condition : FCC 18 CONSUMER
 Project No. :
 Applicant : Junsun
 EUT : Self-ballasted lamp
 M/N : JBS-25W
 S/N : #1
 Power Supply : 120V~/60Hz
 Ambient : 23'C 56%RH
 Test line : VB
 Test Mode : On
 Test Engineer: *Winston Hua*

Page: 1

Freq	Read	Limit		Over	Limit Factor	
	Level	Level	Line			
	MHz	dBuV	dBuV	dBuV	dB	dB
1	0.513	35.36	35.45	48.00	-12.55	0.09
2	0.555	38.00	38.09	48.00	-9.91	0.09
3	0.599	36.47	36.55	48.00	-11.45	0.08
4	0.643	39.04	39.12	48.00	-8.88	0.08
5	0.736	35.16	35.24	48.00	-12.76	0.08
6	0.783	36.73	36.81	48.00	-11.19	0.08

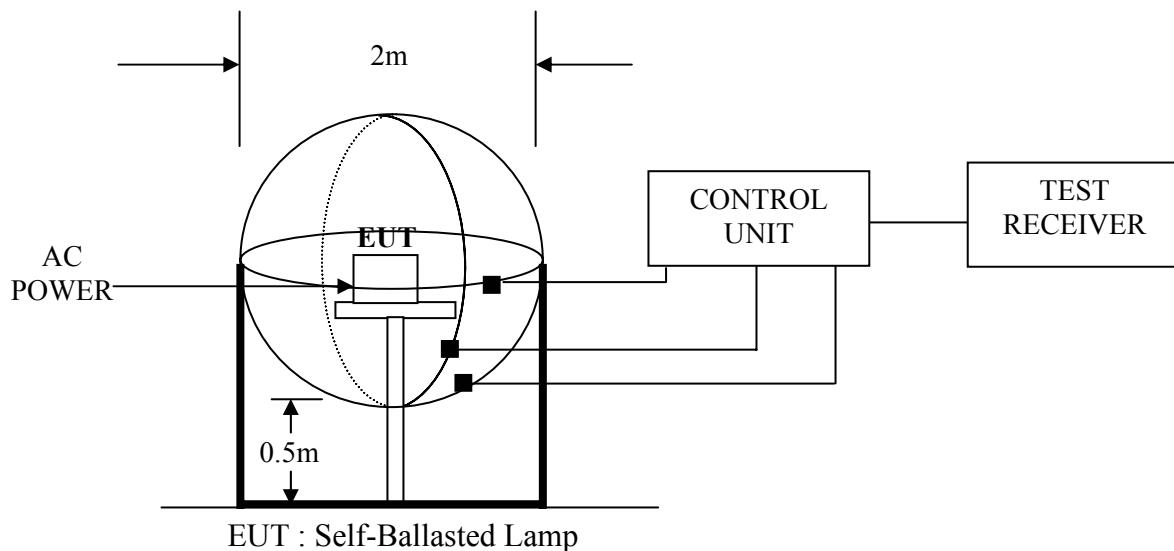
FIELD STRENGTH TEST

3.1 Test Equipment

The following test equipment are used during the field strength test in a shielded room:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Loop Antenna	Laplace	RF300	5001	Oct 25, 2001	1/2 Year
2.	Test Receiver	Rohde & Schwarz	ESHS10	844077/020	Apr 24, 2001	1 Year

3.2 Block Diagram of Test Setup



3.3 Test Configuration

The configuration of the EUT is same as those used in conducted emission test. Refer to Sec. 2.4, except the test setup replaced by Sec. 3.2.

3.4 Operating Condition of EUT

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

3.5 Test Procedure

The EUT was placed on a wooden table, which is in the center of the loop antenna. The loop antenna is 0.5 meters above the ground. Each side had one sensor. The three sensors were through the control unit to connect the Test receiver, which receiving the emission and find out the maximum emission of each side of the loop antenna.

The IF bandwidth of R&S Test Receiver ESHS10 was set at 200 Hz from 9kHz to 150kHz and 10kHz from 150 kHz to 30 MHz.

The IF frequency range from 9 kHz to 30 MHz was checked.

The test mode (Lighting) was done on field strength test and all the test results are listed in Sec. 3.6.

3.6 Test Result

<PASS>

Refer to the following pages.