

Application for FCC Certificate
On Behalf of
Bright Beginning Electrical Products Co., Ltd.

Fluorescent Lamp Ballast

Model No. :	BEB/120/40+32/1	BEB/120/32+22/1	BEB/120/22
Serial No. :	E1202167-02/02	E1202166-01/02	E1202165-01/02

FCC ID : A6H120FC403222

Prepared For : Bright Beginning Electrical Products Co., Ltd.
A Part Dacheng Industrial Area Anzhen, Xishan,
Wuxi, Jiangsu, China

Prepared By : Audix Technology (Shanghai) Co., Ltd.
3F 34Bldg 680 Guiping Rd,
Caohejing Hi-Tech Park,
Shanghai 200233, China

Tel: +86-21-64955500
Fax: +86-21-64955491

Report No. : ACI-F12049
Date of Test : Feb 16 – 28, 2012
Date of Report : Mar 28, 2012

TABLE OF CONTENTS

	Page
1 SUMMARY OF STANDARDS AND RESULTS.....	4
1.1 Description of Standards and Results.....	4
2 GENERAL INFORMATION.....	5
2.1 Description of Equipment Under Test.....	5
2.2 Peripherals.....	5
2.3 Description of Test Facility	6
2.4 Measurement Uncertainty	6
3 CONDUCTED EMISSION TEST	7
3.1 Test Equipment.....	7
3.2 Block Diagram of Test Setup	7
3.3 Conducted Emission Limits (FCC Part 18 Consumer Equipment).....	7
3.4 Test Configuration.....	7
3.5 Operating Condition of EUT	8
3.6 Test Procedures	8
3.7 Test Results	8
4 MAGNETIC FIELD EMISSION TEST	14
4.1 Test Equipment.....	14
4.2 Block Diagram of Test Setup	14
4.3 Magnetic Field Emission Limit (FCC Part 18 305(b)).....	15
4.4 Test Configuration.....	15
4.5 Operating Condition of EUT	15
4.6 Test Procedures	15
4.7 Test Results	16
5 DEVIATION TO TEST SPECIFICATIONS	22

TEST REPORT FOR FCC CERTIFICATE

Applicant : Bright Beginning Electrical Products Co., Ltd.
Manufacturer : Bright Beginning Electrical Products Co., Ltd.
EUT Description : Fluorescent Lamp Ballast

(A) Model No.	BEB/120/40+32/1	BEB/120/32+22/1
	BEB/120/22	--
(B) Serial No.	E1202167-02/02	E1202166-01/02
	E1202165-01/02	--
(C) Power Supply	120V/60Hz	

Test Procedure Used:

*FCC RULES AND REGULATIONS PART 18 SUBPART C RF LIGHTING DEVICES
OCTOBER 2010 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 Subpart C (RF Lighting Devices) 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. This report shows that the EUT which was tested in 3m anechoic chamber on Feb 16 – 28, 2012 is technically compliance with the FCC official limits also.

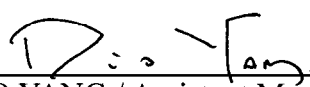
This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Technology (Shanghai) Co., Ltd.

This report contains data that are not covered by the NVLAP accreditation.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Feb 16 – 28, 2012 Date of Report : Mar 28, 2012

Producer : 
KATHY WANG/ Assistant

Review : 
DIO YANG / Assistant Manager

AUDIX® For and on behalf of
Audix Technology (Shanghai) Co., Ltd.

Signatory : 
Authorized Signature EMC SAMMY CHEN / Deputy Manager

1 SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below:

Description / Test Item	Test Standard	Meets Limit	Results
EMISSION			
Conducted Disturbance at the Mains Terminals	FCC RULES AND REGULATIONS PART 18 SUBPART C OCTOBER 2010 AND MP-5/1986	18.307(c) Consumer Equipment	Pass
Magnetic Field Strength	FCC RULES AND REGULATIONS PART 18 SUBPART C OCTOBER 2010 AND MP-5/1986	18.305(b) Any type, Non-ISM Frequency	Pass
Radiated Emission	FCC RULES AND REGULATIONS PART 18 SUBPART C OCTOBER 2010 AND MP-5/1986	N/A	N/A
N/A is an abbreviation for Not Applicable.			

2 GENERAL INFORMATION

2.1 Description of Equipment Under Test

Description : Fluorescent Lamp Ballast

Type of EUT : ☒ Production ☐ Pre-product ☐ Pro-type

Model No. :	BEB/120/40+32/1	BEB/120/32+22/1
	BEB/120/22	--
Serial No. :	E1202167-02/02	E1202166-01/02
	E1202165-01/02	--
Rated Power :	72W	54W
	22W	--

Working Frequency : 48kHz

Applicant : Bright Beginning Electrical Products Co., Ltd.
A Part Dacheng Industrial Area Anzhen, Xishan,
Wuxi, Jiangsu, China

Manufacturer : Bright Beginning Electrical Products Co., Ltd.
A Part Dacheng Industrial Area Anzhen, Xishan,
Wuxi, Jiangsu, China

2.2 Peripherals

2.2.1 Lamp*1

Manufacturer : Philips
Model Number : FC16T9 40W
Rate Power : 40W

2.2.2 Lamp #2

Manufacturer : Philips
Model Number : FC12T9 32W
Rate Power : 32W

2.2.3 Lamp #3

Manufacturer : Philips
Model Number : FC8T9 22W
Rate Power : 22W

2.3 Description of Test Facility

Site Description (Semi-Anechoic Chamber)	:	Sept. 17, 1998 file on Apr 29, 2009 Renewed 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 200233, China
NVLAP Lab Code	:	200371-0

2.4 Measurement Uncertainty

Conducted Emission Expanded Uncertainty: $U = 3.38 \text{ dB}$

3 CONDUCTED EMISSION TEST

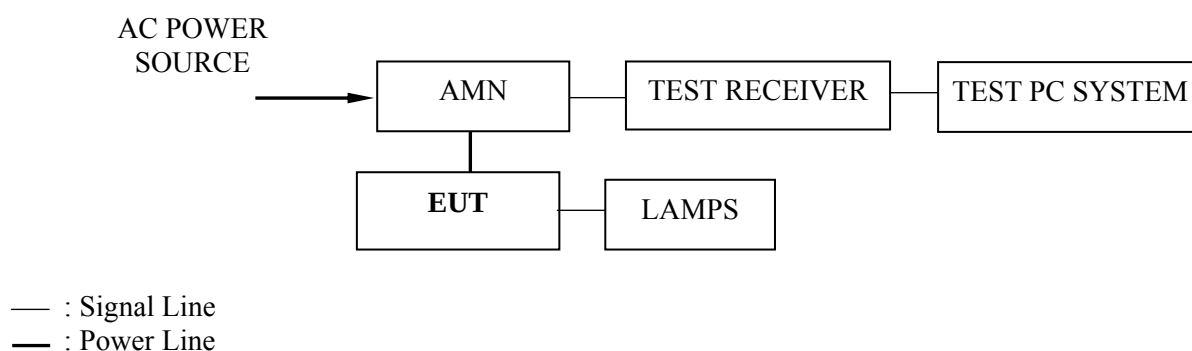
3.1 Test Equipment

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

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCI	100841	Mar 22, 2011	Mar 22, 2012
2.	Artificial Mains Network (AMN)	R&S	ENV4200	100125	Mar 22, 2011	Mar 22, 2012
3.	50 Ω Coaxial Switch	Anritsu	MP59B	6200426389	Sep 18, 2011	Mar 18, 2012
4.	Software	Audix	E3	SET00200 9804M592	--	--

3.2 Block Diagram of Test Setup

3.2.1 Conducted Disturbance Test Setup



3.3 Conducted Emission Limits (FCC Part 18 Consumer Equipment)

Frequency (MHz)	Maximum RF Line Voltage	
	(μ V)	dB(μ V)
0.45 ~ 2.51	250	48
2.51 ~ 3.0	3000	70
3.0 ~ 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.		

3.4 Test Configuration

The EUT (listed in Sec.2.1) was installed as shown on Sec.3.2 to meet FCC requirement and operating in a manner that tends to maximize its emission level in a normal application.

3.5 Operating Condition of EUT

- 3.5.1 Setup the EUT as shown in Sec. 3.2.
- 3.5.2 Turn on the power of EUT.
- 3.5.3 The EUT will be operated normally.
- 3.5.4 Set the EUT on the lighting test mode, and then test.

3.6 Test Procedures

The EUT was connected to the power mains through a Artificial Mains Network (AMN). 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 I.F bandwidth of Test Receiver ESCI was set at 9 kHz.

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

The test modes were done on conducted test and the test results of the highest emissions are listed in Sec. 3.7.

3.7 Test Results

< **PASS** >

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

Model No	Test Mode	Data Page
BEB/120/40+32/1	Lighting (40W*1+32W*1)	P9
	Lighting (32W*2)	P10
BEB/120/32+22/1	Lighting (32W*1+22W*1)	P11
	Lighting (22W*2)	P12
BEB/120/22	Lighting (22W*1)	P13

NOTE 1 – Factor = Cable Loss + AMN Factor.

NOTE 2 – Emission Level = Meter Reading + Factor.

NOTE 3 – All readings are Quasi-Peak values. (QP)

NOTE 4 – The worst test mode is for Lighting (40W*1+32W*1) (M/N: BEB/120/40+32/1). The worst emission is detected at 0.708 MHz with corrected signal level of 42.35 dB (μV) (limit is 48.00 dB (μV)), when the Line of the EUT is connected to AMN.

EUT : Fluorescent Lamp Ballast Temperature : 22°C

Model No. : BEB/120/40+32/1 Humidity : 52%RH

Serial No. : E1202167-02/02 Date of Test : Feb 28, 2012

Test Mode : Lighting
(40W*1+32W*1)

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.530	41.25	0.32	41.57	48.00	6.43	QP
	0.624	40.98	0.37	41.35	48.00	6.65	
	0.708	41.96	0.39	42.35	48.00	5.65	
	0.817	39.71	0.40	40.11	48.00	7.89	
	1.286	38.77	0.39	39.16	48.00	8.84	
	18.743	31.23	0.96	32.19	48.00	15.81	
Neutral	0.532	37.76	0.24	38.00	48.00	10.00	QP
	0.624	39.28	0.26	39.54	48.00	8.46	
	0.708	39.70	0.28	39.98	48.00	8.02	
	0.814	38.84	0.34	39.18	48.00	8.82	
	0.915	35.68	0.42	36.10	48.00	11.90	
	1.092	34.56	0.44	35.00	48.00	13.00	

TEST ENGINEER: WENCY YANG

EUT : Fluorescent Lamp Ballast Temperature : 22°C

Model No. : BEB/120/40+32/1 Humidity : 52%RH

Serial No. : E1202167-02/02 Date of Test : Feb 28, 2012

Test Mode : Lighting (32W*2)

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.530	40.25	0.32	40.57	48.00	7.43	QP
	0.624	39.98	0.37	40.35	48.00	7.65	
	0.702	38.49	0.39	38.88	48.00	9.12	
	0.814	39.83	0.40	40.23	48.00	7.77	
	0.896	38.29	0.38	38.67	48.00	9.33	
	0.983	36.51	0.37	36.88	48.00	11.12	
Neutral	0.521	39.90	0.24	40.14	48.00	7.86	QP
	0.619	37.58	0.26	37.84	48.00	10.16	
	0.712	39.54	0.29	39.83	48.00	8.17	
	0.807	37.26	0.33	37.59	48.00	10.41	
	0.900	35.84	0.42	36.26	48.00	11.74	
	0.995	35.60	0.44	36.04	48.00	11.96	

TEST ENGINEER: WENCY YANG

EUT : Fluorescent Lamp Ballast Temperature : 22°C

Model No. : BEB/120/32+22/1 Humidity : 52%RH

Serial No. : E1202166-01/02 Date of Test : Feb 28, 2012

Test Mode : Lighting
(32W*1+22W*1)

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.506	35.90	0.31	36.21	48.00	11.79	QP
	0.601	34.72	0.35	35.07	48.00	12.93	
	0.691	33.09	0.39	33.48	48.00	14.52	
	0.783	30.80	0.39	31.19	48.00	16.81	
	0.874	30.40	0.38	30.78	48.00	17.22	
	25.361	33.21	1.21	34.42	48.00	13.58	
Neutral	0.506	37.33	0.24	37.57	48.00	10.43	QP
	0.601	34.44	0.26	34.70	48.00	13.30	
	0.691	35.24	0.28	35.52	48.00	12.48	
	0.783	33.03	0.31	33.34	48.00	14.66	
	0.874	32.88	0.41	33.29	48.00	14.71	
	26.118	32.88	1.32	34.20	48.00	13.80	

TEST ENGINEER: WENCY YANG

EUT : Fluorescent Lamp Ballast Temperature : 22°C

Model No. : BEB/120/32+22/1 Humidity : 52%RH

Serial No. : E1202166-01/02 Date of Test : Feb 28, 2012

Test Mode : Lighting (22W*2)

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.510	36.51	0.31	36.82	48.00	11.18	QP
	0.604	35.23	0.36	35.59	48.00	12.41	
	0.694	34.25	0.39	34.64	48.00	13.36	
	0.788	31.86	0.39	32.25	48.00	15.75	
	0.880	31.56	0.38	31.94	48.00	16.06	
	23.636	39.29	1.17	40.46	48.00	7.54	
Neutral	0.506	39.31	0.24	39.55	48.00	8.45	QP
	0.601	36.99	0.26	37.25	48.00	10.75	
	0.691	37.40	0.28	37.68	48.00	10.32	
	0.783	35.81	0.31	36.12	48.00	11.88	
	0.874	34.85	0.41	35.26	48.00	12.74	
	23.613	35.00	1.31	36.31	48.00	11.69	

TEST ENGINEER: WENCY YANG

EUT : Fluorescent Lamp Ballast Temperature : 22°C

Model No. : BEB/120/22/1 Humidity : 52%RH

Serial No. : E1202165-01/02 Date of Test : Feb 28, 2012

Test Mode : Lighting (22W*1)

Test Line	Frequency (MHz)	Meter Reading dB(μV)	Factor (dB)	Emission Level dB(μV)	Limits dB(μV)	Margin (dB)	Remark
Line	0.460	21.51	9.75	31.26	48.00	16.74	QP
	0.505	20.82	9.75	30.57	48.00	17.43	
	0.552	20.19	9.80	29.99	48.00	18.01	
	0.694	17.70	10.07	27.77	48.00	20.23	
	21.260	26.62	10.28	36.90	48.00	11.10	
	26.841	28.32	10.42	38.74	48.00	9.26	
Neutral	0.461	23.31	9.75	33.06	48.00	14.94	QP
	0.510	23.61	9.75	33.36	48.00	14.64	
	0.598	23.25	9.79	33.04	48.00	14.96	
	0.694	22.33	9.83	32.16	48.00	15.84	
	1.153	18.62	9.93	28.55	48.00	19.45	
	26.418	28.43	10.29	38.72	48.00	9.28	

TEST ENGINEER: WENCY YANG

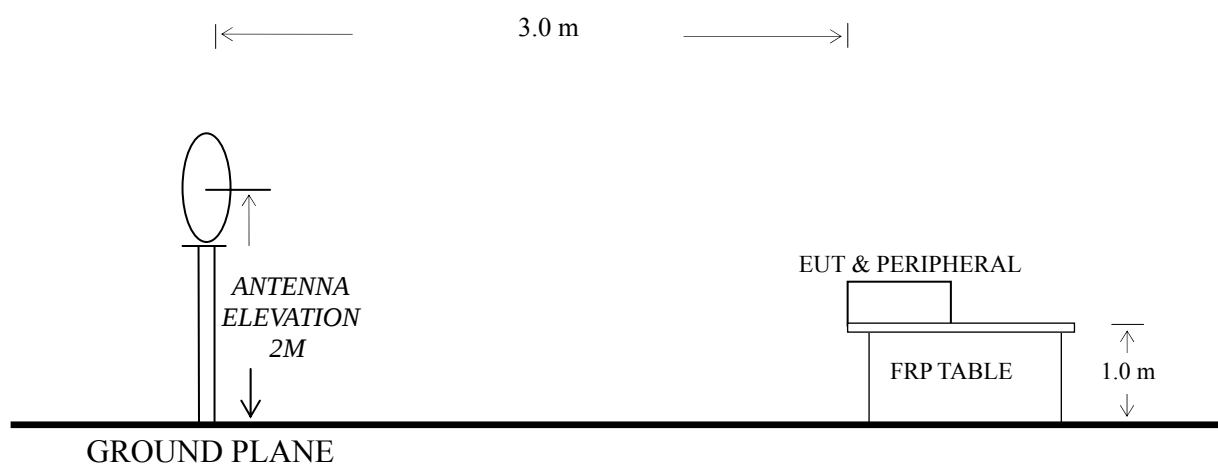
4 MAGNETIC FIELD EMISSION TEST

4.1 Test Equipment

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

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Loop Antenna	Schaffner	HLA6120	1193	Jun 12, 2011	Jun 12, 2012
2.	Test Receiver	R&S	ESHS10	830223/007	Mar 22, 2011	Mar 22, 2012
3.	50 Ω Coaxial Switch	ANRITSU	MP59B	6200426390	Sep 18, 2011	Mar 18, 2012
4.	Software	Audix	E3	SET00200 9912M295-2	--	--

4.2 Block Diagram of Test Setup



4.3 Magnetic Field Emission Limit (FCC Part 18 305(b))

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

Frequency (MHz)	Distance (m)	Field Strength Limits ($\mu\text{V/m}$)	Converted Field Strength Limits By 3 Meters Measuring Distance dB ($\mu\text{V/m}$)
0.009~30	300	15	63.5
NOTE 1 - Distance refers to the distance in meters between the test antenna and the closed point of any part of the EUT.			
NOTE 2 - Audix Technology (Shanghai) Co., Ltd. only has a 3 meters Semi-anechoic Chamber to do the radiated disturbance test, therefore, Audix Shanghai used 3 meters measuring distance and converted limits to judge the EUT compliance with or not.			

4.4 Test Configuration

The FCC part 18 regulations test method must be used to find the maximum emission during Radiated Emission test.

The configuration of the EUT is same as used in conducted emission test. Please Refer to Section 3.4.

4.5 Operating Condition of EUT

- 4.5.1 Setup the EUT as shown on Section 4.2.
- 4.5.2 Turn on the power of all equipments.
- 4.5.3 Let the EUT work in test mode and test it.

4.6 Test Procedures

The EUT was placed on a table, which is 1.0 meter above ground. Measurements are performed at distance 3.0m with a 0.6m loop antenna as described in 2.2.4 of MP-5. The antenna shall be with the lower edge of the loop at height 2m above the floor.

The bandwidth setting on the test receiver (R&S Test Receiver ESHS10) is 200Hz from 9kHz to 150kHz and 10kHz from 150kHz to 30MHz. The EUT is tested in a semi-anechoic chamber.

All the test results are attached within Sec. 4.7.

4.7 Test Results

<PASS>

Refer to the following pages.

Model No	Test Mode	Data Page
BEB/120/40+32/1	Lighting (40W*1+32W*1)	P17
	Lighting (32W*2)	P18
BEB/120/32+22/1	Lighting (32W*1+22W*1)	P19
	Lighting (22W*2)	P20
BEB/120/22	Lighting (22W*1)	P21

NOTE 1 – Factor = Antenna Factor + Cable Loss

Emission Level = Meter Reading + Factor

NOTE 2 – All reading are Quasi-Peak Values.

NOTE 3 – The worst test mode is Lighting (40W*1+32W*1) (M/N:

BEB/120/40+32/1). The worst emission at horizontal polarization was detected at 0.011 MHz with corrected signal level of 54.17 dB (μV/m) (limit is 63.50 dB (μV/m)). The worst emission at vertical polarization was detected at 0.011 MHz with corrected signal level of 55.13 dB (μV/m) (limit is 63.50 dB (μV/m)).

EUT : Fluorescent Lamp Ballast Temperature : 22°C

Model No. : BEB/120/40+32/1 Humidity : 52%RH

Serial No. : E1202167-02/02 Date of Test : Feb 16, 2012

Test Mode : Lighting
(40W*1+32W*1)

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	0.010	33.19	20.91	0.06	54.16	63.50	9.34
	0.011	33.19	20.92	0.06	54.17	63.50	9.33
	0.013	31.45	20.94	0.06	52.45	63.50	11.05
	0.015	29.91	20.97	0.06	50.94	63.50	12.56
	0.175	16.94	19.67	0.06	36.67	63.50	26.83
	0.242	28.59	19.61	0.06	48.26	63.50	15.24
Vertical	0.011	34.15	20.92	0.06	55.13	63.50	8.37
	0.014	32.23	20.95	0.06	53.24	63.50	10.26
	0.021	32.27	20.98	0.06	53.31	63.50	10.19
	0.244	30.21	19.60	0.06	49.87	63.50	13.63
	4.045	11.59	19.70	0.48	31.77	63.50	31.73
	10.536	12.48	20.42	0.56	33.46	63.50	30.04

TEST ENGINEER: RAVEN JIN

EUT : Fluorescent Lamp Ballast Temperature : 22°C

Model No. : BEB/120/40+32/1 Humidity : 52%RH

Serial No. : E1202167-02/02 Date of Test : Feb 16, 2012

Test Mode : Lighting (32W*2)

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	0.011	30.08	20.92	0.06	51.06	63.50	12.44
	0.013	22.47	20.95	0.06	43.48	63.50	20.02
	0.018	24.70	20.99	0.06	45.75	63.50	17.75
	0.021	24.29	20.98	0.06	45.33	63.50	18.17
	0.172	17.54	19.67	0.06	37.27	63.50	26.23
	0.227	33.82	19.62	0.06	53.50	63.50	10.00
Vertical	0.010	24.66	20.92	0.06	45.64	63.50	17.86
	0.019	24.32	21.00	0.06	45.38	63.50	18.12
	0.024	20.16	20.93	0.06	41.15	63.50	22.35
	0.224	35.18	19.62	0.06	54.86	63.50	8.64
	0.290	27.95	19.60	0.06	47.61	63.50	15.89
	0.379	22.82	19.60	0.06	42.48	63.50	21.02

TEST ENGINEER: RAVEN JIN

EUT : Fluorescent Lamp Ballast Temperature : 22°C

Model No. : BEB/120/32+22/1 Humidity : 52%RH

Serial No. : E1202166-01/02 Date of Test : Feb 16, 2012

Test Mode : Lighting
(32W*1+22W*1)

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	0.011	25.82	20.92	0.06	46.80	63.50	16.70
	0.018	26.60	20.99	0.06	47.65	63.50	15.85
	0.216	23.82	19.63	0.06	43.51	63.50	19.99
	0.295	26.82	19.60	0.06	46.48	63.50	17.02
	0.370	22.62	19.60	0.06	42.28	63.50	21.22
	0.839	11.53	19.39	0.06	30.98	63.50	32.52
Vertical	0.010	25.64	20.91	0.06	46.61	63.50	16.89
	0.016	30.10	20.97	0.06	51.13	63.50	12.37
	0.025	20.79	20.90	0.06	41.75	63.50	21.75
	0.031	23.83	20.81	0.06	44.70	63.50	18.80
	0.178	31.27	19.67	0.06	51.00	63.50	12.50
	0.240	32.59	19.61	0.06	52.26	63.50	11.24

TEST ENGINEER: RAVEN JIN

EUT : Fluorescent Lamp Ballast Temperature : 22°C

Model No. : BEB/120/32+22/1 Humidity : 52%RH

Serial No. : E1202166-01/02 Date of Test : Feb 16, 2012

Test Mode : Lighting (22W*2)

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	0.010	24.46	20.91	0.06	45.43	63.50	18.07
	0.013	21.39	20.94	0.06	42.39	63.50	21.11
	0.019	19.72	20.99	0.06	40.77	63.50	22.73
	0.171	26.55	19.68	0.06	46.29	63.50	17.21
	0.240	26.59	19.61	0.06	46.26	63.50	17.24
	0.767	6.02	19.48	0.06	25.56	63.50	37.94
Vertical	0.010	22.21	20.91	0.06	43.18	63.50	20.32
	0.019	21.90	20.99	0.06	42.95	63.50	20.55
	0.237	23.86	19.61	0.06	43.53	63.50	19.97
	0.309	19.76	19.60	0.06	39.42	63.50	24.08
	0.786	7.10	19.45	0.06	26.61	63.50	36.89
	3.046	6.60	19.89	0.40	26.89	63.50	36.61

TEST ENGINEER: RAVEN JIN

EUT : Fluorescent Lamp Ballast Temperature : 22°C

Model No. : BEB/120/22 Humidity : 52%RH

Serial No. : E1202165-01/02 Date of Test : Feb 16, 2012

Test Mode : Lighting (22W*1)

Polarization	Frequency (MHz)	Meter Reading dB (μV)	Antenna Factor (dB/m)	Cable Loss (dB)	Emission Level dB (μV/m)	Limits dB (μV/m)	Margin (dB)
Horizontal	0.010	18.66	20.91	0.06	39.63	63.50	23.87
	0.020	19.96	21.00	0.06	41.02	63.50	22.48
	0.201	15.94	19.64	0.06	35.64	63.50	27.86
	0.290	21.03	19.60	0.06	40.69	63.50	22.81
	1.310	5.69	19.49	0.13	25.31	63.50	38.19
	4.606	5.33	19.64	0.51	25.48	63.50	38.02
Vertical	0.010	22.70	20.91	0.06	43.67	63.50	19.83
	0.015	22.27	20.96	0.06	43.29	63.50	20.21
	0.021	24.30	20.99	0.06	45.35	63.50	18.15
	0.170	26.57	19.68	0.06	46.31	63.50	17.19
	0.224	28.70	19.62	0.06	48.38	63.50	15.12
	0.240	26.59	19.61	0.06	46.26	63.50	17.24

TEST ENGINEER: RAVEN JIN

5 DEVIATION TO TEST SPECIFICATIONS

None.