FCC TEST REPORT

FCC ID : WWZEE0115XXX

Applicant : Regal King Comercial Offshore De Macau Limitada

Address : Alameda Dr. Carlos D'Assumpcao, No. 335, Centro Hotline, 8/F,

Unit K, Macau

Equipment Under Test (EUT):

Product description : Portable cabinet LED light

Model No. : EE0115XXX

Standards : FCC Part18

Date of Test : Nov. 15, 2008

Test Engineer : Olic huang

Reviewed By: Thelo 2hous

PERPARED BY:

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2 Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission (30MHz to 1GHz)	FCC PART 18: 2003	ANSI C63.4:2003	N/A	N/A
Conducted Emission (150KHz to 30MHz)	FCC PART 18: 2003	ANSI C63.4:2003	N/A	PASS

3 General Information

3.1 Client Information

Applicant: Regal King Comercial Offshore De Macau Limitada

Address of Applicant: Alameda Dr. Carlos D'Assumpcao, No. 335, Centro Hotline,

8/F,Unit K,Macau

Manufacturer: Splendour King Lighting factory Ltd.

Address of Manufacturer: An Le Village section ,GUANGZHOU HWY, Dong Feng Town

3.2 General Description of E.U.T.

Product description: Portable cabinet LED light

Model No.: EE0115XXX

3.3 Details of E.U.T.

Power Supply: 120VAC / 60Hz

3.4 Description of Support Units

The EUT has been tested as an independent unit.

3.5 Standards Applicable for Testing

The customer requested FCC tests for a Portable cabinet LED light. The standards used were FCC Part18.

3.6 Test Methodology

All measurements contained in this report are conducted with FCC Measurement Procedure MP-5, technical requirements for Methods of Measurement of Radio-Noise Emission from ISM Equipment.

3.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC – Registration No.: 880581

Waltek Services(Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 880581,June 24, 2008.

• IC – Registration No.: 7760

Waltek Services(Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files. Registration IC7760,July 24, 2008.

3.8 Test Location

All Emissions testswere performed at:-

1/F, Fukangtai Building, West Baima Rd., Songgang Street, Baoan District, Shenzhen 518105, Guangdong, China.

4 Equipment Used during Test

Equipment	Brand Name	Model	Related standards	Cal.Intal	Last Cal.	Serial No			
				Months	Date				
3m Anechoic chamber									
EMC Analyzer	Agilent	E7405A	ISO9001:2000	12	Jan-08	MY4511494			
						3			
Trilog Broadband	SCHWARZB	VULB9163	EN/ISO/IEC	12	Jan-08	336			
Antenne	ECK MESS-		17025 DIN						
	ELEKTROM		EN ISO9001						
Broad-band Horn	SCHWARZB	BBHA 9120	EN/ISO/IEC	12	Jan-08	667			
Antenna	ECK MESS-	D	17025 DIN						
	ELEKTROM		EN ISO9001						
Broadband	SCHWARZB	BBV 9718	EN/ISO/IEC	12	Jan-08	9718-148			
Preamplifier	ECK MESS-		17025 DIN						
	ELEKTROM		EN ISO9001						
10m Coaxial Cable	SCHWARZB	AK 9515 H	EN/ISO/IEC	12	Jan-08	-			
with N-male	ECK MESS-		17025 DIN						
Connectors	ELEKTROM		EN ISO9001						
10m 50 Ohm Coaxial	SCHWARZB	AK 9513	EN/ISO/IEC	12	Jan-08	-			
Cable with N-	ECK MESS-		17025 DIN						
plug,individual	ELEKTROM		EN ISO9001						
length,usable up to									
3(5)GHz, Connectors									
Positioning Controller	C&C LAB	CC-C-IF	ISO9001	12	Jan-08	MF7802108			
Color Monitor	SUNSPO	SP-14C	ISO9001	12	Jan-08	-			
EMI Shielded Room									
Test Receiver	ROHDE&SC	ESPI	ISO9001	12	Jan-08	101155			
	HWARZ								
Two-Line	ROHDE&SC	ENV216	ISO9001	12	Jan-08	100115			
V-Network	HWARZ		EN/ISO/IEC						
			17025						
Absorbing Clamp	ROHDE&SC	MDS-21	ISO9001	12	Jan-08	100205			
	HWARZ		EN/ISO/IEC						
			17025						

10m 50 Ohm Coaxial	SCHWARZB	AK 9514	EN/ISO/IEC	12	Jan-08	-
Cable with N-	ECK MESS-		17025 DIN			
plug,individual	ELEKTROM		EN ISO9001			
length,usable up to						
3(5)GHz, Connectors						

5 Conducted Emission Test

Test Requirement: FCC Part 18

Test Method: Based on FCC Part 18

Test Date: Nov. 15, 2008

Frequency Range: 150kHz to 30MHz

Class B

Detector: Peak for pre-scan (9kHz Resolution Bandwidth)

Quasi-Peak & Average if maximised peak within 6dB of

Average Limit

5.1 Test Equipment

Please refer to Section 5 this report.

5.2 Test Procedure

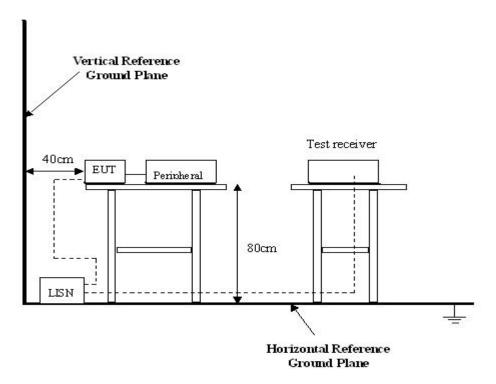
- 1. During the conducted emission test, the power cord of the EUT is connected to the auxiliary outlet of the LISN.
- 2. The EUT was tested according to FCC MP-5. The frequency spectrum from 150kHz to 30MHz was investigated.
- 3. The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

5.3 Conducted Test Setup

The conducted emission tests were performed using the setup accordance with the FCC MP-5 measurement procedure.

The EUT is tested independently.

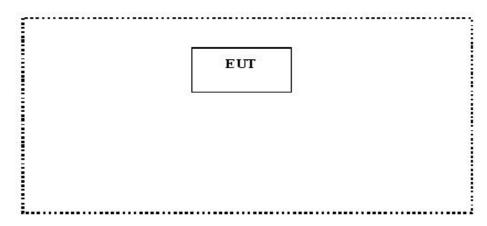
The power supply used by the EUT is connected to a 120VAC / 60Hz power source.



5.4 EUT Operating Condition

Operating condition is according to FCC MP-5.

- A. Setup the EUT and simulators as shown on follow.
- B. Enable RF signal and confirm EUT active.
- C. Modulate output capacity of EUT up to specification.



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5.5 Conducted Emission Limits

Frequency of Emission	Conducted Limit (dBuV)- Quasi-peak			
(MHz)				
0.15— 0.5	66-56*			
0.5 — 5.0	56			
5.0 — 30	60			

Note: 1. In the above limits, the tighter limit applies at the band edges.

2. *Decreases with the logarithm of the frequency.

5.6 Spectrum Analyzer

The spectrum analyzer is configured during the conduction test is as follows:

Start Frequency150 kHz
Stop Frequency 30 MHz
Sweep SpeedAuto
IF Bandwidth 9 kHz
$Video\ Bandwidth 100\ kHz$
Quasi-Peak Adaptor Bandwidth 9 kHz
Ouasi-Peak Adaptor Mode······Normal

5.7 Conducted Emission Test Result

Test Item: Conducted Emission Test

Test Voltage: 120VAC / 60Hz

Test Mode: Normal
Temperature: 24 °C
Humidity: 52%RH
Test Result: PASS

5.7.1 Measurement Data

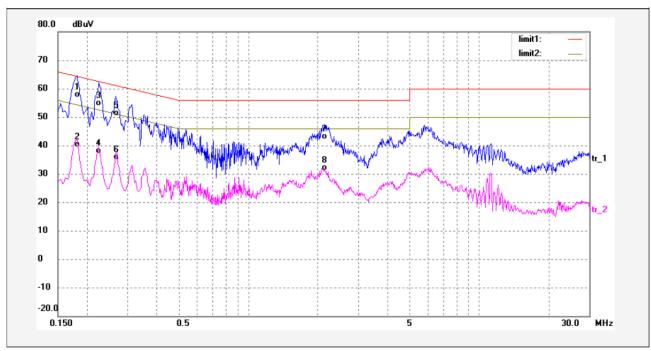
An initial pre-scan was performed on the live and neutral lines.

No futher quasi-peak or average measurements were performed since no peak emissions were detected within 10dB line below the average limit.

Please refer to the following peak scan graph for reference.

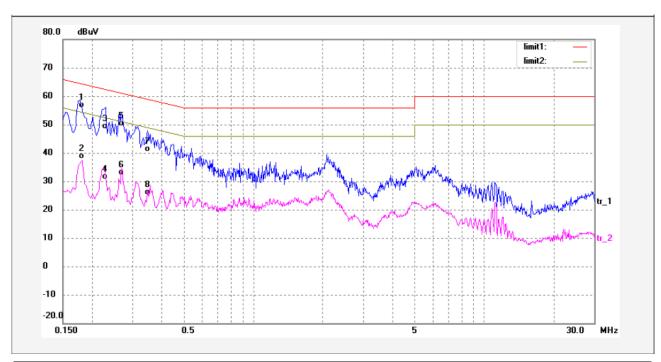
The conducted test data as below:

Live Line:



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector
1	0.1819	45.86	10.95	56.81	64.39	-7.58	QP
2	0.1819	28.48	10.95	39.43	54.39	-14.96	AVG
3	0.2260	43.11	10.69	53.80	62.59	-8.79	QP
4	0.2260	26.39	10.69	37.08	52.59	-15.51	AVG
5	0.2660	39.84	10.57	50.41	61.24	-10.83	QP
6	0.2660	24.33	10.57	34.90	51.24	-16.34	AVG
7	2.1540	32.47	9.76	42.23	56.00	-13.77	QP
8	2.1540	21.28	9.76	31.04	46.00	-14.96	AVG

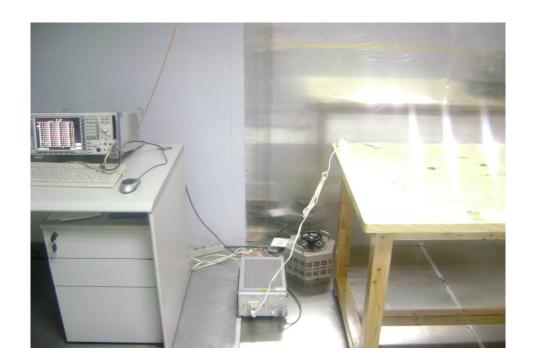
Neutral Line:



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector
1	0.1780	44.77	10.99	55.76	64.57	-8.81	QP
2	0.1780	26.91	10.99	37.90	54.57	-16.67	AVG
3	0.2300	37.63	10.68	48.31	62.45	-14.14	QP
4	0.2300	19.94	10.68	30.62	52.45	-21.83	AVG
5	0.2700	38.82	10.56	49.38	61.12	-11.74	QP
6	0.2700	21.55	10.56	32.11	51.12	-19.01	AVG
7	0.3500	30.18	10.32	40.50	58.96	-18.46	QP
8	0.3500	14.86	10.32	25.18	48.96	-23.78	AVG

6 Photographs of Testing

6.1 Conducted Emission Test View



7 Photographs - Constructional Details

7.1 EUT - Component View



7.2 EUT1 - Front View



7.3 EUT 1 - Back View



7.4 EUT 2 - Front View



7.5 EUT 2 - Back View



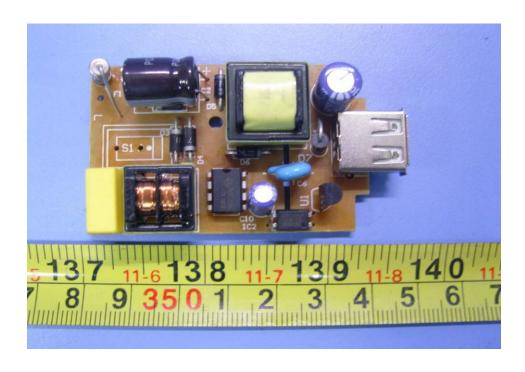
7.6 EUT 1 - Open View



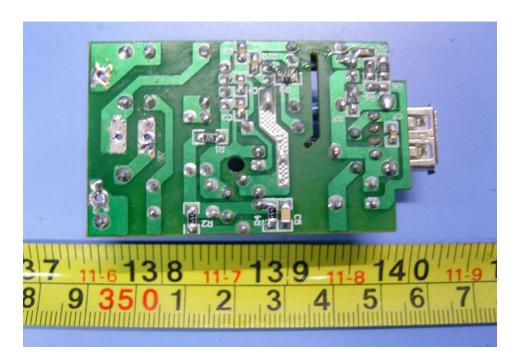
7.7 EUT 2 - Open View



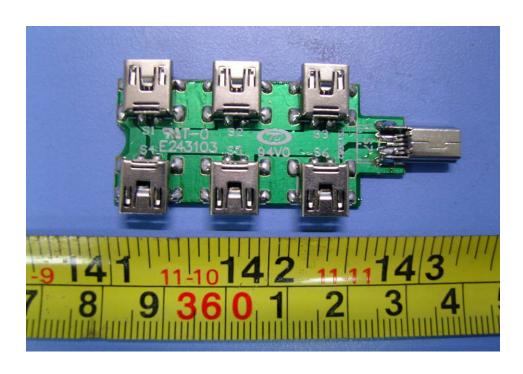
7.8 PCB 1 - Front View



7.9 PCB 1 - Back View



7.10 PCB 2 - Front View



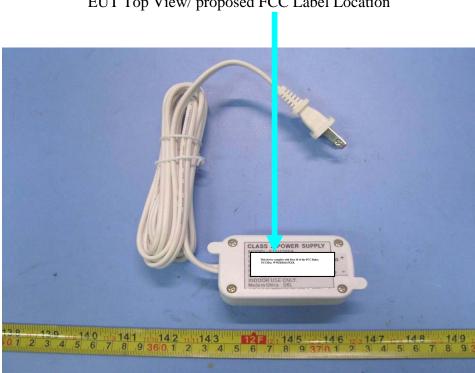
7.11 PCB 2 - Back View



FCC ID Label 8

This device complies with Part 18 of the FCC Rules.

The Label must not be a stick-on paper. The Label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.



EUT Top View/ proposed FCC Label Location

Proposed Label Location on EUT