

## FCC TEST REPORT

**REPORT NO.:** SE08FCI1B2R

**MODEL NO.:** HLT3S26W

**LISTED MODELS:** HLT3S9W, HLT3S13W, HLT3S15W, HLT3S20W, HLT3S23W

**RECEIVED:** Oct 07, 2008

**TESTED:** Oct 07, 2008 to Oct 09, 2008

**APPLICANT:** Homelite Limited

**ADDRESS:** 1001-4, songhua road, qingpu area, shanghai, china

**ISSUED BY:** SHENZHEN SETEK TECHNOLOGY CO., LTD.

**LAB LOCATION:** 2/F,A3 Bldg, East Industry Zone, Overseas Chinese Town,  
Shenzhen,China

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**SHENZHEN SETEK TECHNOLOGY CO., LTD.**

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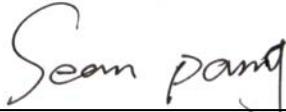
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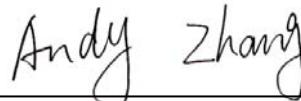
Prepared for : Homelite Limited  
 Address : 1001-4, songhua road, qingpu area, shanghai, china  
 Product : CFL  
 Model No(s.) : HLT3S26W, HLT3S9W, HLT3S13W,  
 HLT3S15W, HLT3S20W, HLT3S23W  
 Trademark : HOMELITE  
 Test Standard : FCC Part 18  
 Prepared by : SHENZHEN SETEK TECHNOLOGY CO., LTD.  
 Address : 2/F, A3 Bldg, East Industry Zone, Overseas Chinese Town,  
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FCC Registration Number: 966959

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 (Manager)

Report Number : SE08FCI1B2R  
 Date of Test : Oct 07, 2008 to Oct 09, 2008  
 Date of Report : Oct 10, 2008

The device described above is tested by SHENZHEN SETEK TECHNOLOGY CO., LTD. to  
 determine the maximum emission levels emanating from the device and the severe levels of the  
 device can endure and its performance criterion. This report applies to above tested sample only  
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## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

Applicant : Homelite Limited

Address : 1001-4, songhua road, qingpu area, shanghai, china

Manufacturer : Homelite Limited

Address : 1001-4, songhua road, qingpu area, shanghai, china

EUT : CFL

Model Number(s) : HLT3S26W, HLT3S9W, HLT3S13W, HLT3S15W,  
HLT3S20W, HLT3S23W

Description of EUT : Lamp

Power Supply : AC 120V/60Hz

Operation Frequency : 45KHz

Received : Oct 07, 2008

Date of Test : Oct 07, 2008 to Oct 09, 2008

## 1.2. Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission (30MHz to 1GHz)	FCC PART18 , 2003	ANSI C63.4: 2003	N/A	N/A
Conducted Emission (150KHz to 30MHz)	FCC PART18 , 2003	ANSI C63.4: 2003	N/A	PASS

## 1.3. Description of Support Device

N/A

## 1.4. Standards Applicable for Testing

The customer requested FCC tests for a Self ballasted lamp. The standards used were FCC Part18.

## 1.5. 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.

## 1.6 List of Measuring Equipments Used

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4408B	MY44210575	May 29,2008	1 Year
2.	Test Receiver	Rohde & Schwarz	ESIB26	100234	May 29,2008	1 Year
3.	Bilog Antenna	Schwarzbeck	VULB9163	142	May 29,2008	1 Year
4.	Loop Antenna	EMCO	6502	00042960	May 29,2008	1 Year
5.	50 Coaxial Switch	Anritsu Corp	MP59B	6100237248	May 29,2008	1 Year
6.	Cable	Schwarzbeck	AK9513(1m)	CR RX2	May 29,2008	1 Year
7.	Cable	Schwarzbeck	AK9513(10m)	AC RX1	May 29,2008	1 Year
8.	Cable	Rosenberger	N/A(6m)	CR RX1	May 29,2008	1 Year
9.	Cable	Rosenberger	N/A(10m)	FP2RX2	May 29,2008	1 Year
9.	DC Power Filter	MPE	23872C	N/A	May 29,2008	1 Year
10.	Single Phase Power Line Filter	MPE	23332C	N/A	May 29,2008	1 Year
11.	3 Phase Power Line Filter	MPE	23333C	N/A	May 29,2008	1 Year
12.	Signal Generator	HP	8648A	3625U00573	May 29,2008	1 Year
13.	Test Receiver	Rohde & Schwarz	ESCS30	100350	May 29,2008	1 Year
14.	L.I.S.N.	Rohde & Schwarz	ESH2-Z5	834549/005	May 29,2008	1 Year
15.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	May 29,2008	1 Year
16.	RF Cable	FUJIKURA	RG-55/U	LISN Cable	May 29,2008	1 Year
17	Spectrum Analyzer	Agilent	E4446A	MY43360126	May 29,2008	1 Year
18	Spectrum Analyzer	Agilent	E7405A	US41160416	May 29,2008	1 Year

## 1.7 Test Facility

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

FCC – Registration No.: 966959

SHENZHEN SETEK TECHNOLOGY CO., LTD, the EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission.

## 1.8 Measurement Uncertainty

Radiation Uncertainty :  $Ur = \pm 3.84\text{dB}$

Conduction Uncertainty :  $Uc = \pm 2.72\text{dB}$

## 2. Conducted Emission Test

Product Name:	CFL
Test Requirement:	FCC Part 18
Test Method:	Based on FCC Part 18
Test Date:	Oct 8, 2008
Frequency Range:	450KHz to 30MHz
Detector:	Peak for pre-scan (9kHz Resolution Bandwidth) Quasi-Peak if max peak within 20dB of QP Limit

### 2.1. Test Equipment

Please refer to Section 1.6. this report.

### 2.2. Test Procedure

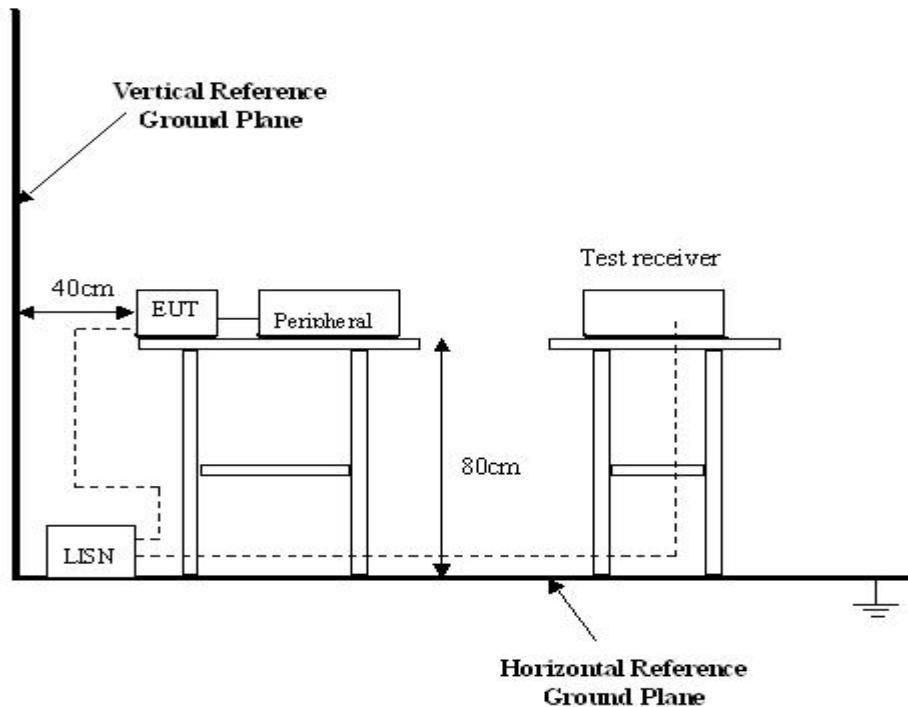
1. During the conducted emission test, the power cord of the EUT is connected to the auxiliary outlet of the LISN.
2. The EUT was tested according to FCC MP-5. The frequency spectrum from 450kHz to 30MHz was investigated.
3. The max peak emissions from the EUT was scanned and measured for both the Line and Neutral Lines. Quasi-peak measurements were performed if peak emissions were within 20dB of the QP limit line.

## 2.3. 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.

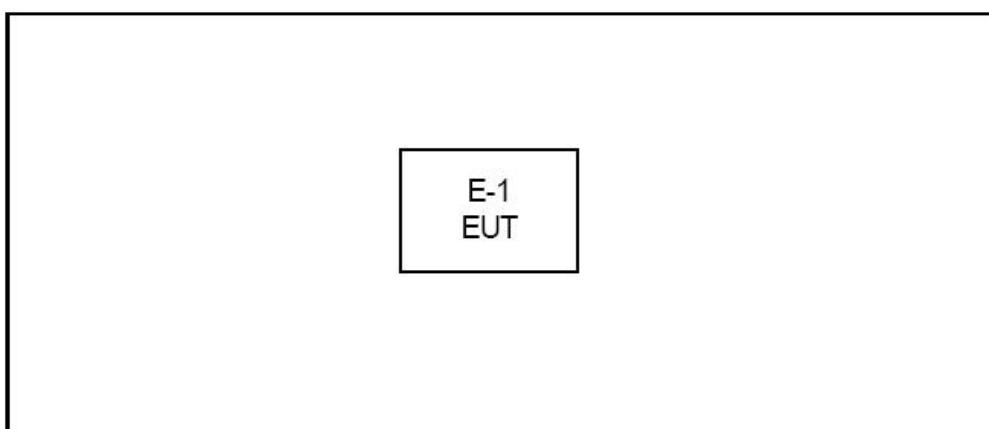
The power supply used by the EUT is connected to an AC 120V/ 60Hz power source.



## 2.4. EUT Operating Condition

Operating condition is according to FCC MP-5.

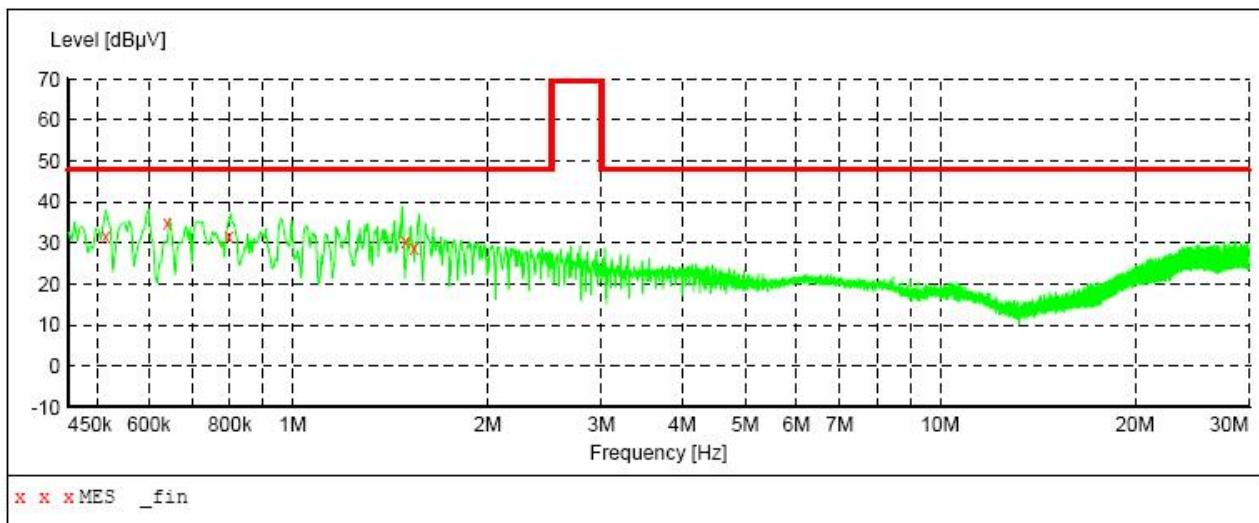
- Setup the EUT and simulators as shown on follow.
- Enable RF signal and confirm EUT active.
- Modulate output capacity of EUT up to specification.



## 2.5. Test Result

Test Item: Conducted Emission Test  
 Test Voltage: AC 120V / 60Hz  
 Test Mode: ON  
 Temperature: 24 °C  
 Humidity: 52%RH  
 Test Result: PASS

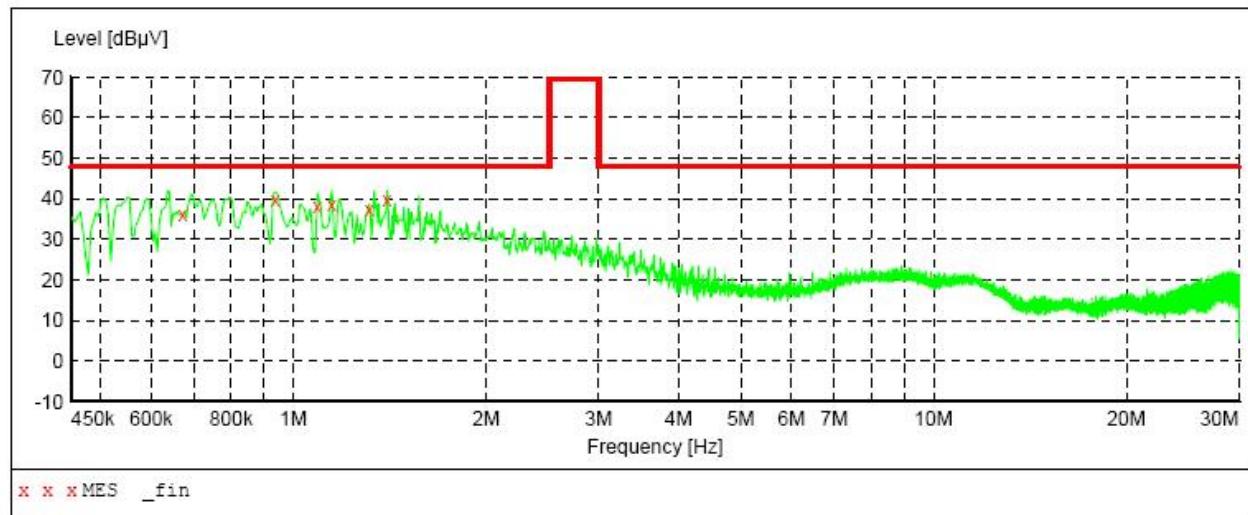
**SCAN TABLE: "Voltage (9K-30M) FIN"**  
Short Description: 150K-30M Voltage



### MEASUREMENT RESULT:

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.514500	31.60	10.1	48	16.3	QP	N	GND
0.640500	35.00	10.1	48	12.9	QP	N	GND
0.798000	31.50	10.1	48	16.4	QP	N	GND
1.495500	30.60	10.2	48	17.3	QP	N	GND
1.540500	28.80	10.2	48	19.1	QP	N	GND

**SCAN TABLE: "Voltage (9K-30M) FIN"**  
 Short Description: 150K-30M Voltage



**MEASUREMENT RESULT:**

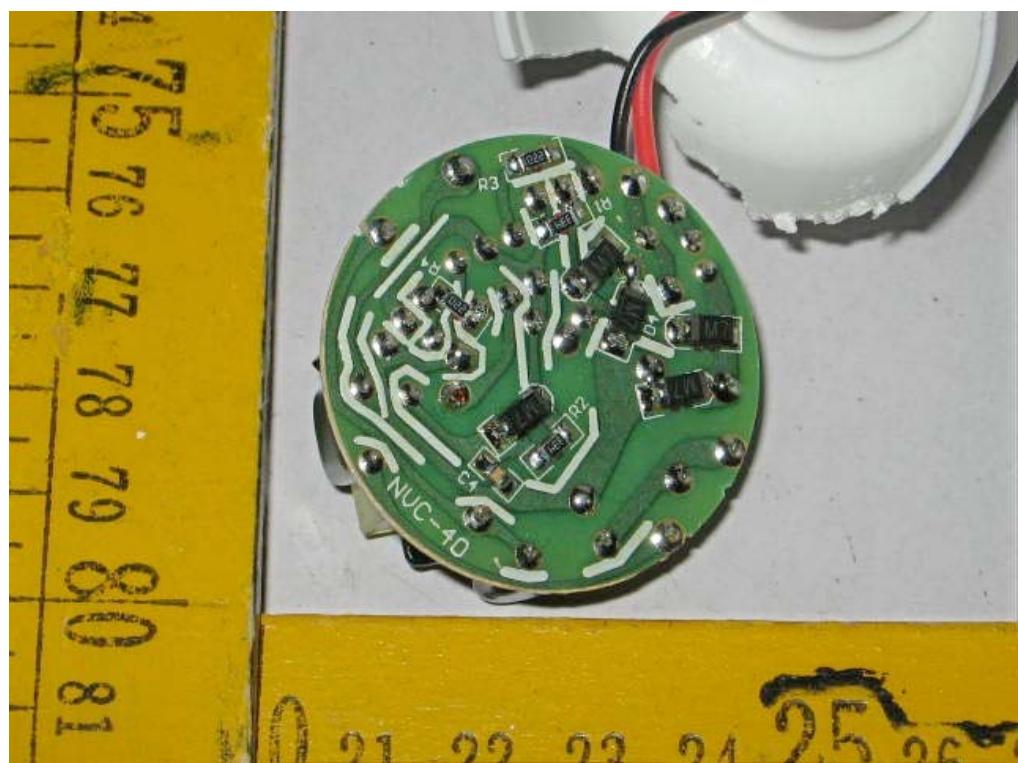
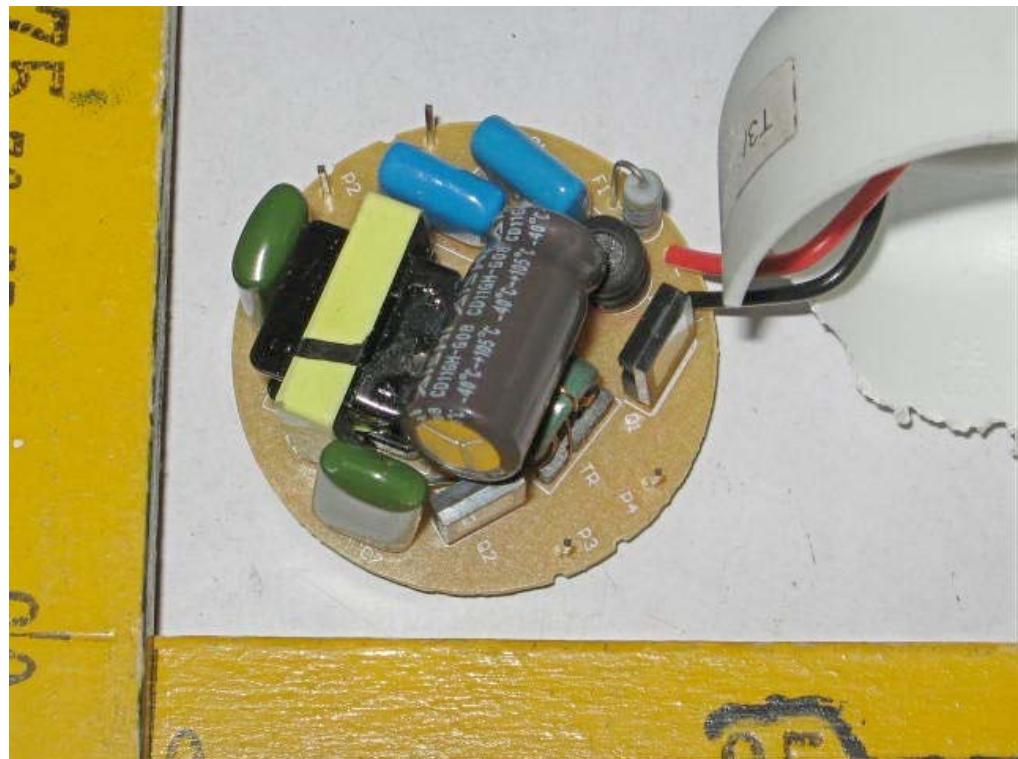
Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.672000	36.20	10.1	48	11.7	QP	L1	GND
0.937500	39.90	10.1	48	8.0	QP	L1	GND
1.090500	38.00	10.2	48	9.9	QP	L1	GND
1.149000	38.60	10.2	48	9.3	QP	L1	GND
1.315500	37.30	10.2	48	10.6	QP	L1	GND
1.401000	39.60	10.2	48	8.3	QP	L1	GND

### 3. Photograph of Test setup



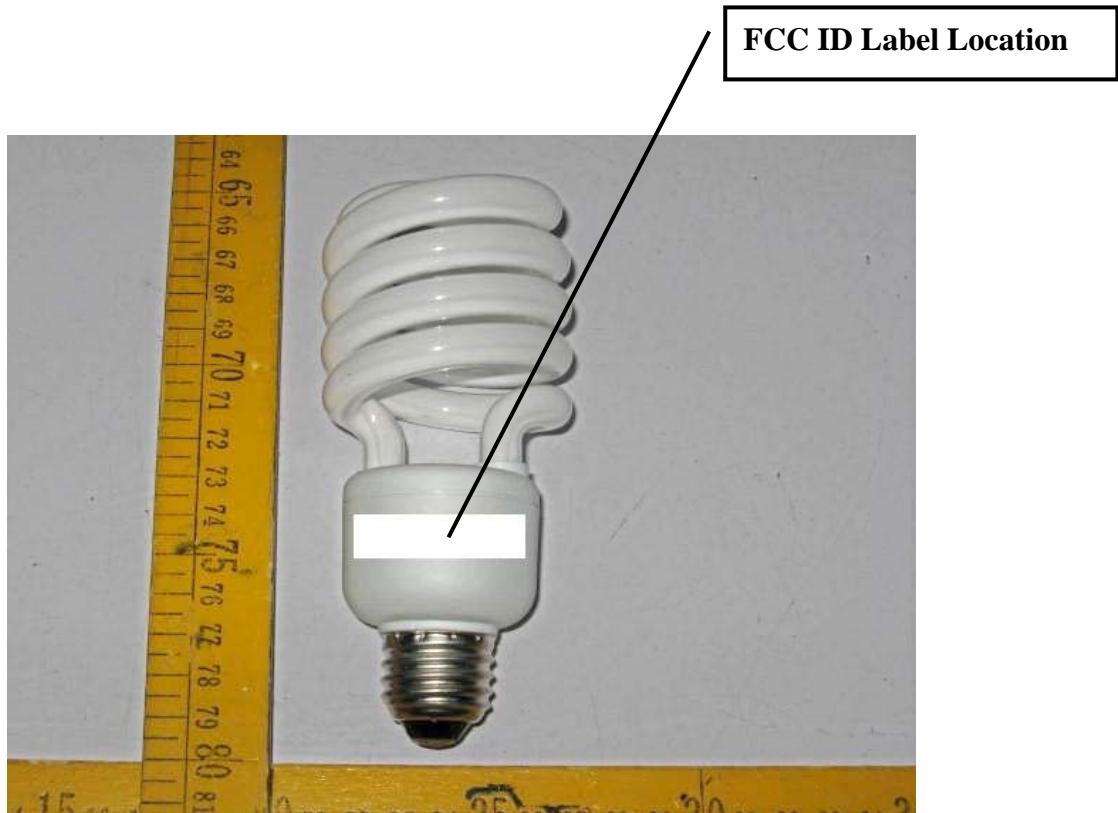
#### 4. Photographs of EUT





## 5. FCC ID Label

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.



**END of Report**