F C C -

TEST REPORT

REPORT NO.: 41107/5/600F

FCC listed testlab
acc. to Section 2.948 of the FCC - Rules

Product	:	Library Floor Lamp
Product Class	:	Part 18 Consumer Device
Model	:	SI518
Brand name	:	Sharper Image Design
Applicant	:	SUN LUEN ELECTRICAL MFG. CO. LTD.

TABLE OF CONTENTS

LABORATORY - REPORT

APPLICANT:	SUN LUEN ELECTRICAL MFG. CO. LTD.
ADDRESS:	22/F., Wang Fai Ind. Bldg. 29 Luk Hop St. San Po Kong, Kowloon HONG KONG
DATE OF SAMPLE RECEIVED:	2005-01-19
DATE OF TESTING:	2005-02-01

DESCRIPTION OF SAMPLE:

Product:	Library Floor Lamp
Product class:	Part 18 Consumer Device
Model number:	SI518
Brand name:	Sharper Image Design
Rating:	AC 120V 60Hz 250mA

INVESTIGATIONS REQUESTED:	Measurements to the relevant clauses of F.C.C. Rules and Regulations Part 18 – Industrial, Scientific, and Medical Equipment
RESULTS:	See the attached test sheets
CONCLUSIONS:	From the measurement data obtained, the tested sample was considered to have COMPLIED with the requirements for the relevant clauses of Federal Communications Commission Rules as specified above.
Note :	The conducted emissions test (if applicable) has considered the limits in Section 18.307 adopted under FCC 02-157 (ETDocket 98-80). The product may be marketed after July 11, 2005, and is not affected by the 18.123 transition provisions.

_____

Authorized Signature

Remark: Purpose of those tests in this report is to provide the applicant with the necessary test data of their device for the submission to FCC with application for Equipment Authorization under the FCC Equipment Authorization Program. The tests themselves are not Approval Tests

Summary of Test Results

Interference Radiation:

Test result: N.A.
Test data: See attached data sheet

Interference Voltage:

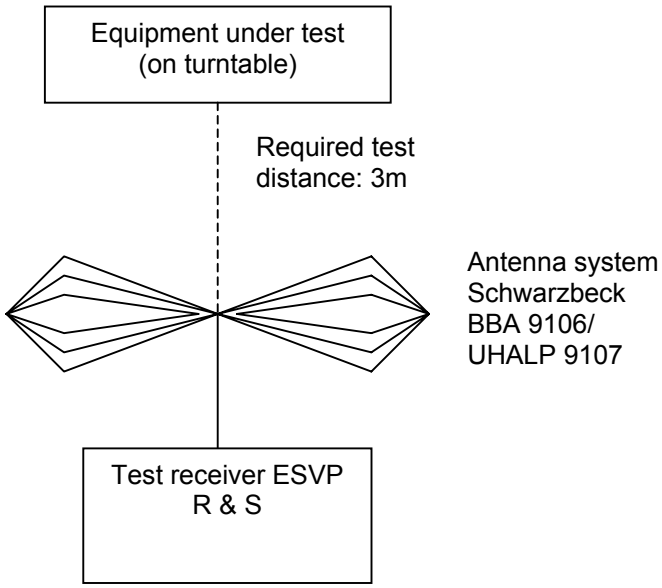
Test result: O.K.
Test data: See attached data sheet

PHOTOGRAPH OF THE SAMPLE

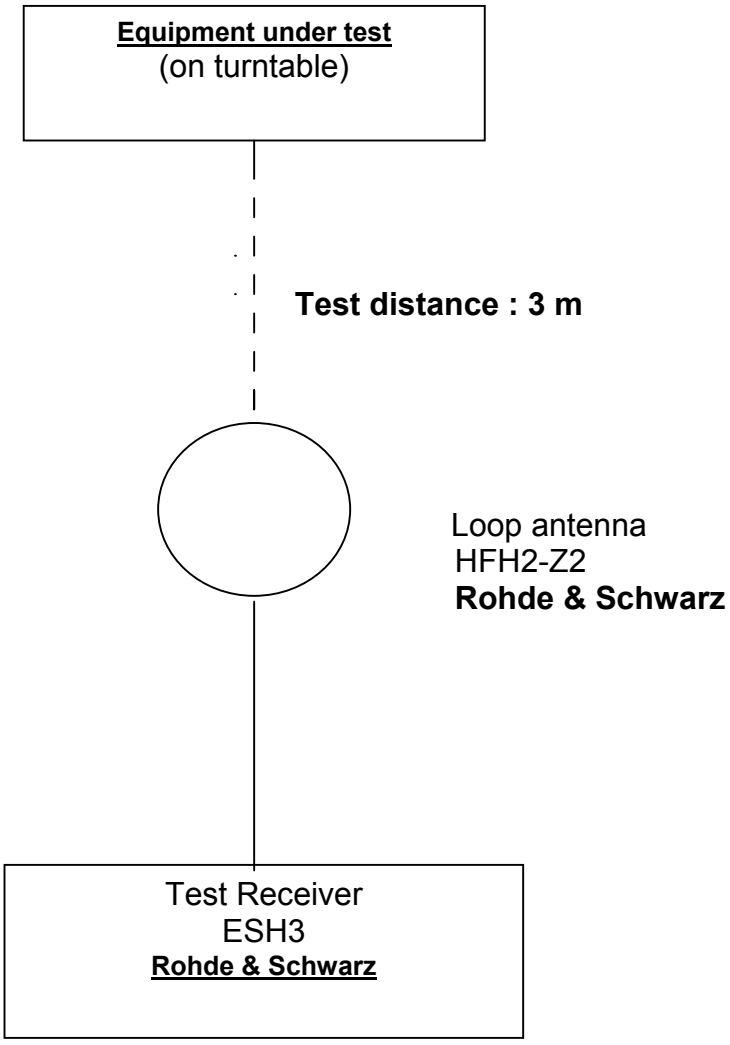
TEST EQUIPMENT LIST

Equipment	Manufacturer	Model	Serial No.	Remark
Test Receiver	Rohde & Schwarz	ESH 3	863497/015	150KHz – 30MHz
Test Receiver	Rohde & Schwarz	ESH 3	892580/006	9KHz – 30MHz
Test Receiver	Rohde & Schwarz	ESVP	860688/022	25MHz – 1,000 MHz
Test Receiver	Rohde & Schwarz	ESVP	863512/012	25MHz – 1,000 MHz
Test Receiver	Rohde & Schwarz	ESHS30	839667/002	9KHz – 30MHz
Test Receiver	Rohde & Schwarz	ESVS30	828525/006	25MHz – 1000MHz
Spectrum Analyzer with Q. Peak	Advantest	R3132	140101852	9KHz – 3GHz
Spectrum Analyzer with Q. Peak	Tektronix	2712	B023006	0.15MHz – 1000MHz
Interface for Spectrum 2712	Tektronix	TD3F14A	--	--
Impulse Limiter	Rohde & Schwarz	ESH-3-Z2	--	--
Artificial Mains Network (LISN)	Schwarzbeck	NSLK 8127	8127312	2 x 10A, 50Ω, 50μH 9KHz-30MHz
Artificial Mains Network (LISN)	Schwarzbeck	NSLK 8127	8127309	2 x 10A, 50Ω, 50μH 9KHz-30MHz
Antenna System	Schwarzbeck	BBA 9106 / UHALP 9107	--	30MHz – 1000MHz
Antenna Mast System	Schwarzbeck	AM9104	--	Max. 4 meters height
Loop Antenna	Rohde & Schwarz	HFH2-Z2	871336/48	9KHz-30MHz
Turntable with Controller	Drehtisch	DT312	--	ϕ120 cm

Radiated Emission Test Procedure (> 30MHz)



Radiated Emission Test Procedure (9kHz – 30MHz)



Radiation Measurement Data

According to Section 18.309, for products with operation frequency below 1.705 MHz, field strength measurements are conducted up to 30MHz. No field strength limits is specified in Section 18.305 for measurements below 30MHz.

In view of the above, since the test model is operated at 88 kHz, no field strength measurement is required.

ISM 1/2

Interference Voltage Test 450KHz - 30MHz
Acc: FCC Part 18 (18.307)

Date : 2005-02-16

IECC Ref: 41107/4/600F
Model: SI518
Applicant: SUN LUEN ELECTRICAL MFG. CO. LTD.

Sampel No.: 1
Set under test: Library Floor Lamp
Connected sets: -
Operating mode: Highest light intensity
Measurement: Line

Test Equipment
Receiver: Rohde & Schwarz ESH 3
Schwarzbeck NNLA 8119

Frequency (MHz)	Test Result (Quasi-Peak) dB(µV)	Limit (Quasi-Peak) dB(µV)
0.45	< 25	48
0.61	28	48
0.72	30.5	48
0.9	< 25	48
1.05	< 25	48
3.33	25.5	48
3.65	30.5	48
5.58	29.5	48
7.64	30	48
9.14	32.5	48
10.81	37	48
13.62	41.5	48
16.09	41	48
21.19	37	48
22.6	44	48
25.4	29	48
30	< 25	48

ISM 1/2

Interference Voltage Test 450KHz - 30MHz
Acc: FCC Part 18 (18.307)

Date : 2005-02-16

IECC Ref: 41107/4/600F
Model: SI518
Applicant: SUN LUEN ELECTRICAL MFG. CO. LTD.

Sampel No.: 1
Set under test: Library Floor Lamp
Connected sets: -
Operating mode: Highest light intensity
Measurement: Neutral

Test Equipment
Receiver: Rohde & Schwarz ESH 3
Schwarzbeck NNLA 8119

Frequency (MHz)	Test Result (Quasi-Peak) dB(µV)	Limit (Quasi-Peak) dB(µV)
0.45	< 25	48
0.61	28	48
0.72	32.5	48
0.91	28.5	48
1.05	< 25	48
3.3	31	48
3.6	36.5	48
5.5	28.5	48
7.74	29	48
9.2	35.5	48
10.12	39	48
13.63	42.5	48
16.1	40.5	48
21.19	36.5	48
22.6	41	48
25.42	27	48
30	< 25	48

Notes for Voltage Measurement

1. **LISN (Line Impedance Stabilization Network) used:**
   LISN in accordance with IEEE Standard 213.

2. **Measuring instrumentations:**
   Rohde & Schwarz ESH3 Test Receiver (9 KHz - 30 MHz) with a CISPR weighting QP detector, 6 dB bandwidth set at 10 KHz.

3. **Frequency range scanned:**
   The frequency range 9 KHz - 30 MHz has been scanned. Readings of the highest emissions relating to the limit were reported as above.

4. **Setup of EUT:**
   Connection of equipment and operation conditions are the same as those in the Radiation measurement.

5. **Measuring Procedure:**
   In accordance with the relevant sections of FCC Measurement Procedure MP-5, 'Methods of Measurement of Radio Noise Emissions from ISM equipment'.