# F C C -

# TEST REPORT

REPORT NO.: 51559

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# FCC – Test Report

Date: 2008-12-19

**No.** 51559



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

**Product** : Electronic Ballast

**Product Class** : Part 18 Consumer Device

**Brand Name** : --

**Model** : YC-322515E-2-35

**Importer** : JIANGMEN PENGJIANG YUCHENG ELECTRICAL APPLIANCES LIMITED CORPORATION

**FCC ID No.** : WZMYC-15E-2-35

# FCC – Test Report



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# FCC – Test Report

Date: 2008-12-19

**No.** 51559



# LABORATORY - REPORT

| | |
|---|---|
| **APPLICANT:** | JIANGMEN PENGJIANG YUCHENG ELECTRICAL APPLIANCES LIMITED CORPORATION |
| **ADDRESS:** | Xiacun Developing District, Hetang Town<br>Pengjiang District, Jiangmen<br>Guangdong, China |
| **DATE OF SAMPLE RECEIVED:** | 2008-12-13 |
| **DATE OF TESTING:** | 2008-12-19 |

**DESCRIPTION OF SAMPLE:**

| | |
|---|---|
| Product: | Electronic Ballast<br>(Connected to two fluorescent lamps type : T5 35W) |
| Product class: | Part 18 Consumer Device |
| Model no.: | YC-322515E-2-35 |
| FCC ID number: | WZMYC-15E-2-35 |
| Rating: | AC 120V 60Hz |

| | |
|---|---|
| **CONDITION OF TEST SAMPLE:** | The received samples were under good condition. |
| **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. |

INTERNATIONAL ELECTRICAL CERTIFICATION CENTRE LTD. IECC 國際電器認證中心

Authorized Signature

# FCC – Test Report



## Test Location

International Electrical Certification Centre Ltd.
Units 602-605, 31 Lok Yip Road, On Lok Tsuen, Fanling, N.T., Hong Kong
Tel : +852 23052570
Fax : +852 27564480
Email : info@iecc.com.hk

## Summary of Test Results

**Radiated Emission:**

**Test result:** N.A.
**Test data:** N.A.

**Conducted Emission:**

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

# FCC – Test Report



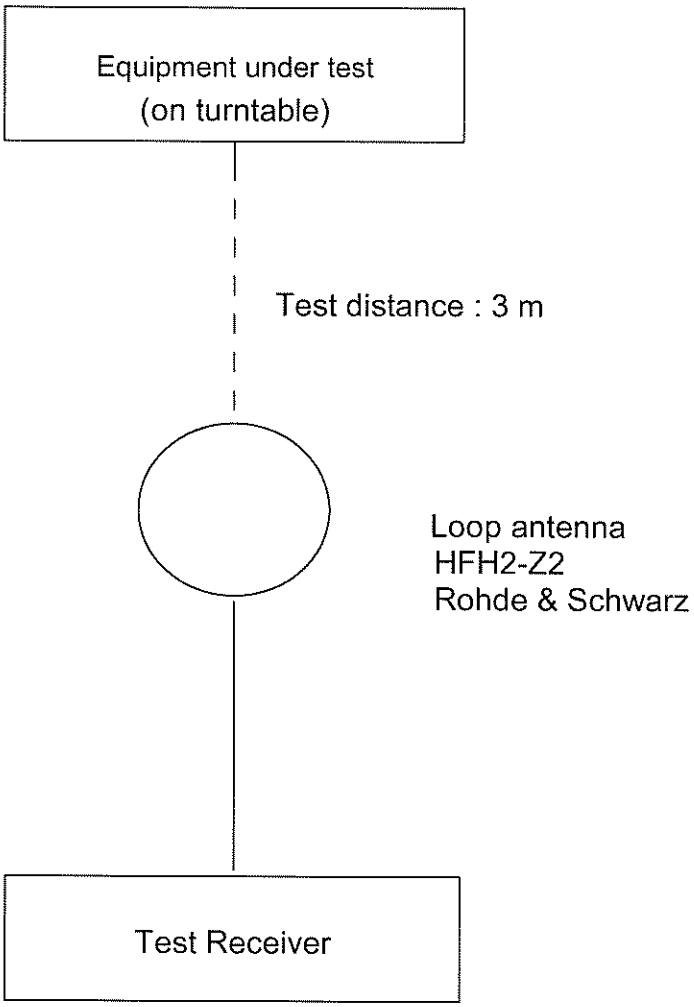
# TEST EQUIPMENT LIST

| Equipment | Manufacturer | Model | Serial No. | Last Calibration Date | Next Calibration Date |
|---|---|---|---|---|---|
| Test Receiver | Rohde & Schwarz | ESCS 30 | 100388 | 26/8/2008 | 25/8/2009 |
| Artificial Mains Network (LISN) | Schwarzbeck | NSLK 8127 | 8127312 | 02/12/2008 | 01/12/2009 |
| Impulse Limiter | Rohde & Schwarz | ESH-3-Z2 | -- | 30/03/2007 | 29/03/2009 |

# FCC – Test Report



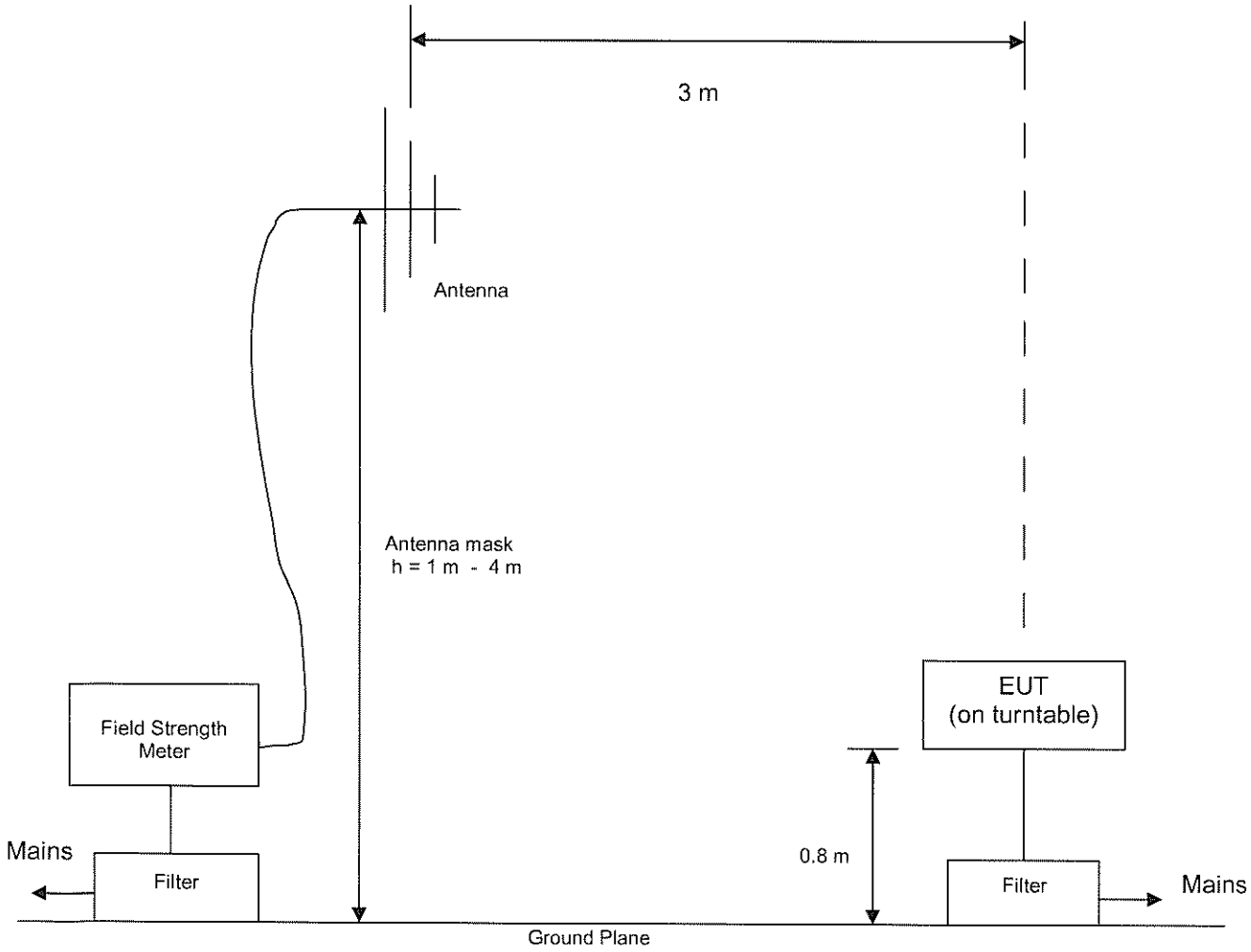
## Radiated Emission Test Setup (3 m diatance) (9kHz - 30MHz)



# FCC – Test Report



## Radiated Emission Test Setup (3 m diatance) (> 30MHz)



# FCC – Test Report

Date: 2008-12-19

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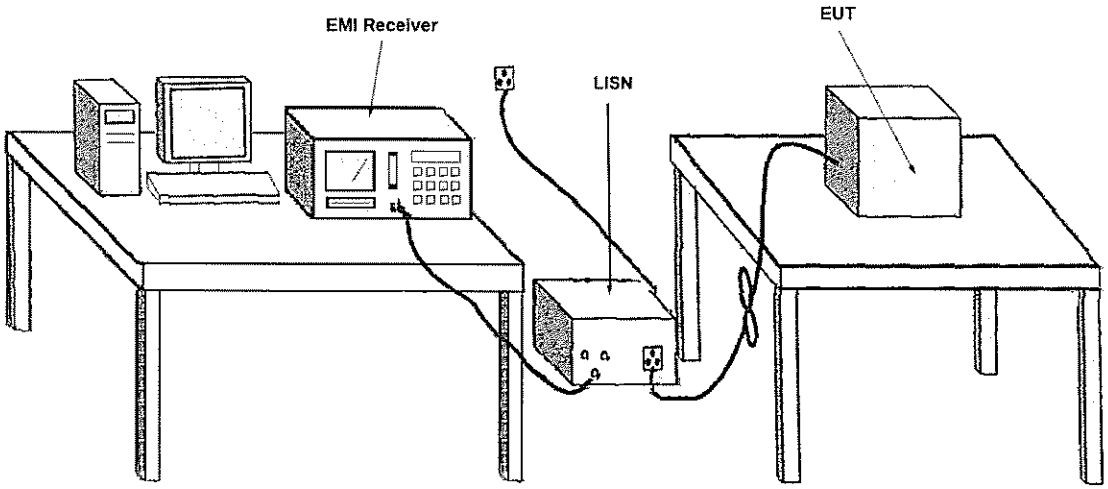
## Conducted Emission Test Setup




1. The above measurement is made in a shielded room.
2. The EUT is placed on a wooden table (0.8 m high) which is located in front of an earth grounded conducting wall over 2 meters square.
3. The EUT is placed 40 cm from the earth grounded conducting wall and at least 80 cm from any other earthed conducting surface.
4. The flexible power cable of the EUT is plugged into the LISN for measurement.
5. The length of the power cable in excess of 80 cm separating the EUT from the LISN is folded back and forth so as to form a bundle not exceeding 30 to 40 cm in length.
6. The LISN ground is adequately bonded to the earth grounded conducting wall.

# FCC – Test Report



# Test Procedure

## Radiated Emission :

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 20 – 55 kHz, no field strength measurement is required.

Note : The Open Aera Test Site located at IECC was placed on file with the FCC Pursuant to Section 2.948 of the FCC Rules (FCC Registration No. : 97774).

## Conducted Emission :

The EUT was tested according to FCC Measurement Procedure MP-5 for the requirements of FCC Part 18 Subpart C Section 18.307.

During the test, the sample was placed on a wooden table and operated with two fluorescent lamps (T5 35W) with supply at rated AC voltage (i.e. AC120V 60Hz) via the LISN. The table is 0.8 meter above the floor. The LISN was connected to the test receiver for conducted emission measurement (450kHz – 30MHz).The measurement was conducted after the fluorescent lamps were turned on for more than 30 minutes for warm up purpose.

# FCC – Test Report



# Test Results

**Conducted Emission** :

| | |
|---|---|
| Test Requirement: | FCC Part 18 Subpart C Section 18.307 |
| Test Method: | FCC Measurement Procedure MP-5 |
| Frequency Range: | 450kHz – 30MHz |
| Class: | Class B |
| Detector: | Quasi-Peak |

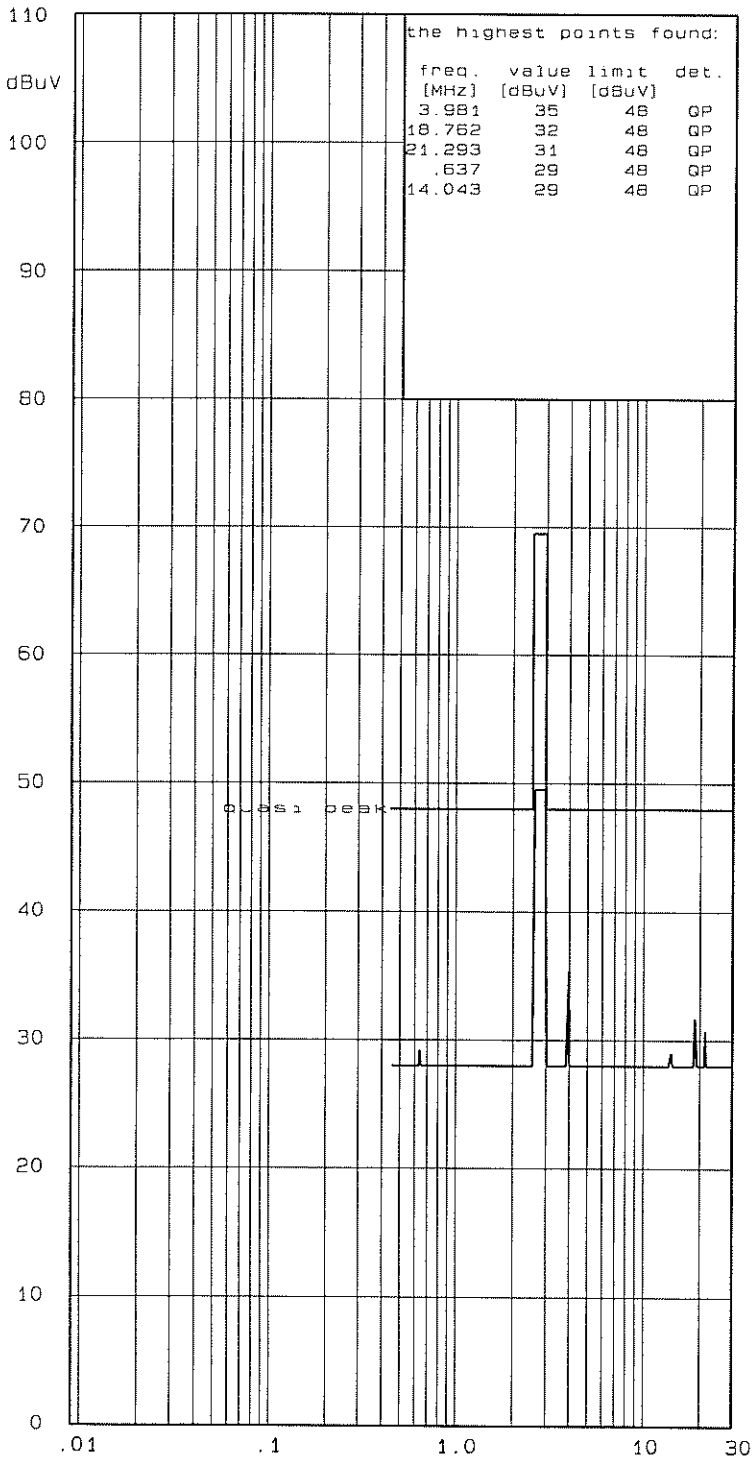
Refer to page 12 - 13 for measurement data.

# ISM 1/2

Interference Voltage 450 KHz - 30 MHz

acc. FCC PART 18 Subpart C Section 18.307(c)

Cabin 1




Model: YC-322515E-2-35

Spl./Ser.No.: 01/--

Client : YUCHENG ELECTRICAL

Product: ELECTRONIC BALLAST

IECC-No.: 51559

Date: 19 Dec 2008

---

Test equipment:

Rohde & Schwarz ESCS30

Schwarzbeck NSLK8127

---

Connected sets:

TEST W/ T5 35W*2
--

---

Operating mode:

LIGHT ON
(L)
--

---

RFI suppression parts:
--

* two dB safety margin for type approval necessary

---

Operator: KT

Result: ok

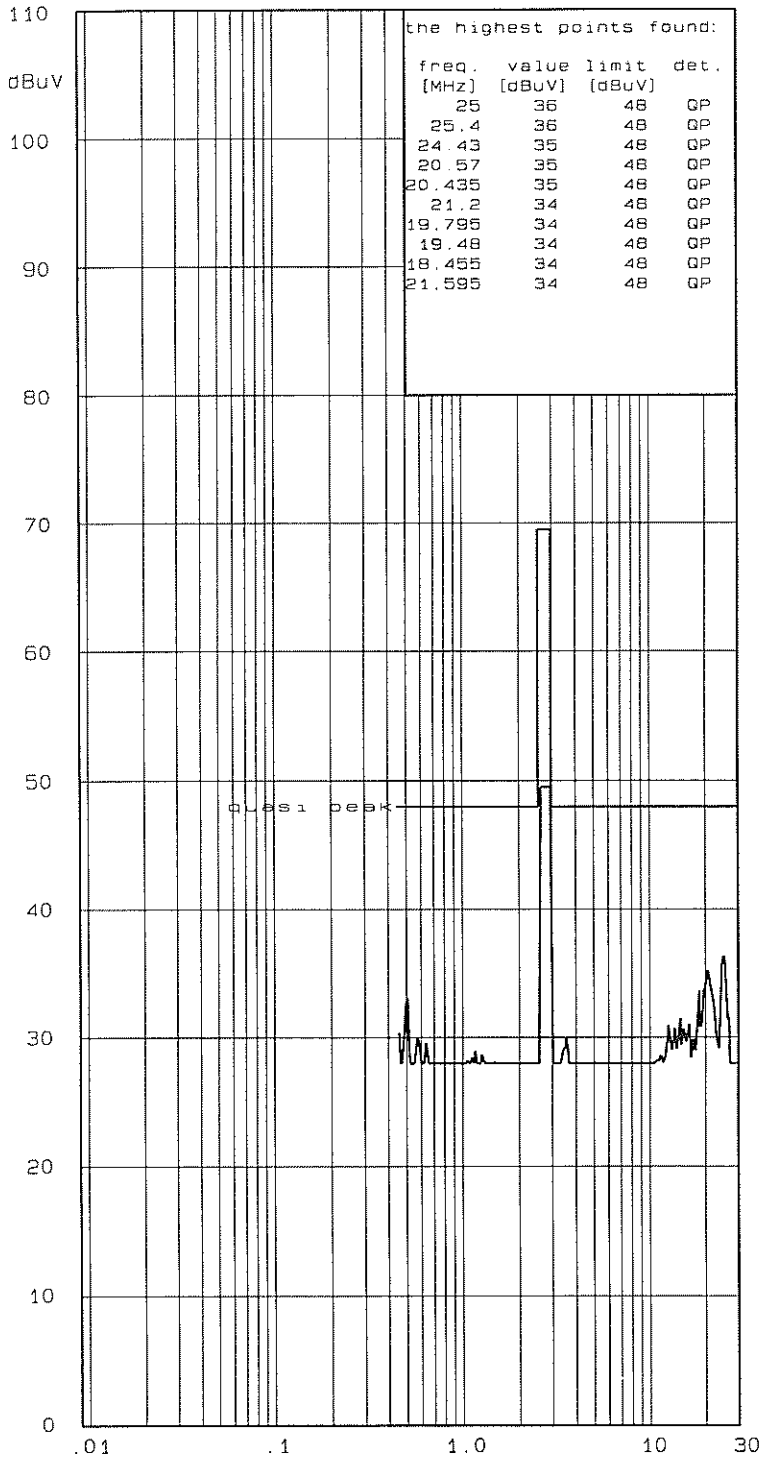
IECC

# ISM 1/2

Interference Voltage 450 KHz - 30 MHz

acc. FCC PART 18 Subpart C Section 18.307(c)

Cabin 1




the highest points found:

| freq. [MHz] | value [dBuV] | limit [dBuV] | det. |
|---|---|---|---|
| 25 | 36 | 48 | QP |
| 25.4 | 36 | 48 | QP |
| 24.43 | 35 | 48 | QP |
| 20.57 | 35 | 48 | QP |
| 20.435 | 35 | 48 | QP |
| 21.2 | 34 | 48 | QP |
| 19.795 | 34 | 48 | QP |
| 19.48 | 34 | 48 | QP |
| 18.455 | 34 | 48 | QP |
| 21.595 | 34 | 48 | QP |

Model: YC-322515E-2-35

Spl./Ser.No.: 01/--

Client : YUCHENG ELECTRICAL

Product: ELECTRONIC BALLAST

IECC-No.: 51559

Date: 19 Dec 2008

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Test equipment:

Rohde & Schwarz ESCS30

Schwarzbeck NSLK8127

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Connected sets:

TEST W/ T5 35W*2
--

---

Operating mode:

LIGHT ON
(N)
--

---

RFI suppression parts:
--

* two dB safety margin for type approval necessary

---

Operator: KT

Result: ok

IECC

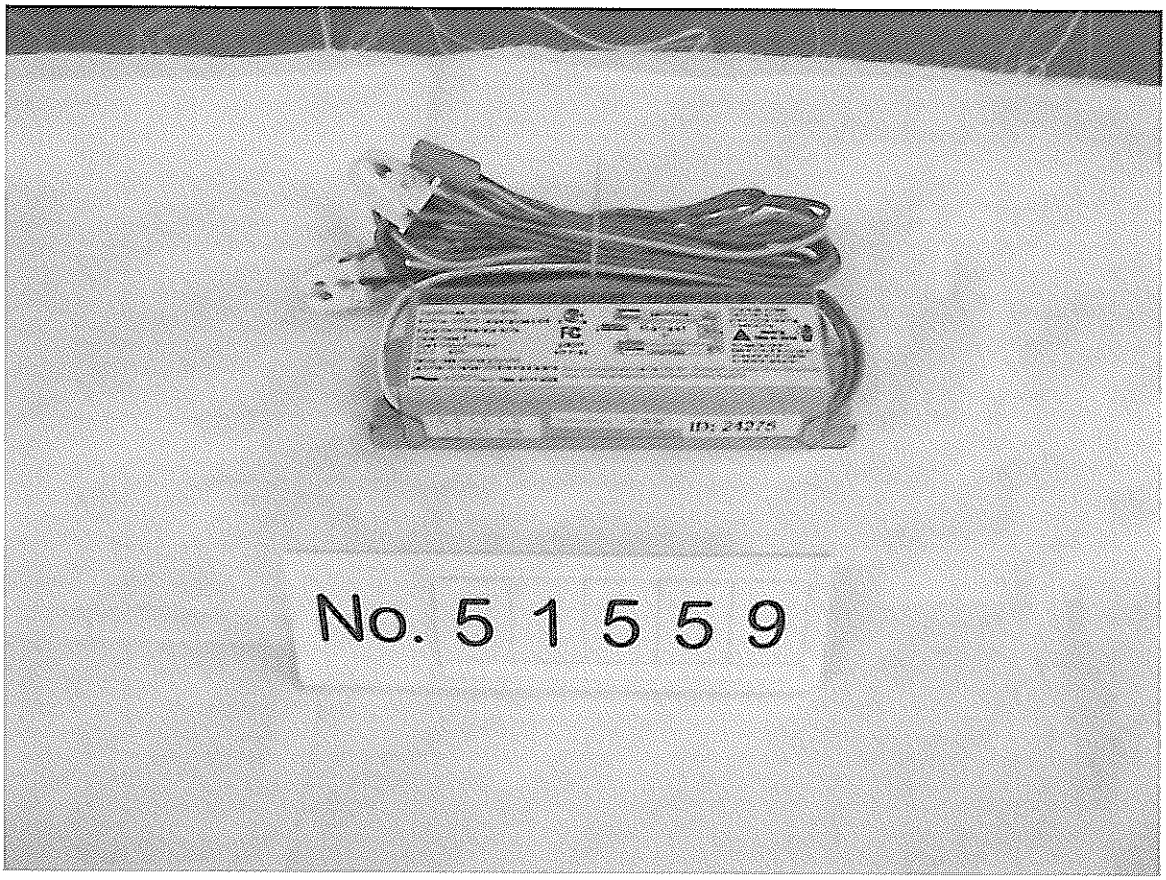
# FCC – Test Report

Date: 2008-12-19

**No.** 51559



## PHOTOGRAPH OF THE SAMPLE

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