



**國際電器認證中心有限公司 International Electrical Certification Centre Ltd.**

提供電器產品測試國際認證及諮詢服務 Technical Services in Electrical Product Testing, International Certification & Information

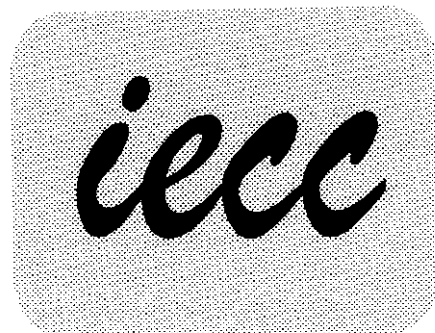
Agent of   
Accredited Laboratory

**FCC ID: BT2SX-801**

## **Exhibit 1 - Test Report**

### **Head Office**

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INTERNATIONAL ELECTRICAL CERTIFICATION CENTRE LTD.

**F C C -  
TEST REPORT**

REPORT NO.: 16074/8/200F



INTERNATIONAL  
ELECTRICAL  
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CENTRE LTD.

## FCC – Test Report

No. 16074/8/200F

Date: 1998-03-24

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# LABORATORY - REPORT

**APPLICANT:** SHIBA ELECTRONICS LTD  
**ADDRESS:** Unit 1002 B, 10/F, Sunbeam Centre  
27 Shing Yip Street  
Kwun Tong, Kowloon  
HONG KONG

**DATE OF SAMPLE RECEIVED:** 1998-03-17  
**DATE OF TESTING:** 1998-03-24

### DESCRIPTION OF SAMPLE:

**Product:** Multi-Purposes Storage Box with AM/FM Radio & Weather Band,  
Detachable Torch & Fluorescent Lamp  
**Manufacturer:** TUNG WEI ELECTRONICS CO LTD  
**Model number:** SX-801  
**Band combination:** AM/FM and Weather Band  
**Rating:** DC : DC 6V ('C' Size Battery x 4)  
**Country of Origin:** P.R. CHINA

### INVESTIGATIONS REQUESTED:

Measurements to the relevant clauses of F.C.C. Rules and Regulations  
Part 15 Subpart C -- Radio Receivers (Old Rules)

### 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.



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 Test.



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# Summary of Test Results

### Interference Radiation:

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

### Interference Voltage:

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



International Electrical Certification Centre Ltd.

# U1

Interference Radiation 25MHz to 1000MHz  
According: FCC Part 15 Subpart C (Old Rules)

IECC Ref: 16074/8/200F  
Model: SX-801  
Applicant: SHIBA ELECTRONICS LTD  
Ser.Nr.: 1  
InterFreq: 10.7 MHz

Test Equipment  
Receiver: ESVP Rohde & Schwarz  
Antenna: Schwarzbeck BBA 9106  
and UHALP 9107

| Receiving - frequency (MHz) | Oscillator-frequency (MHz) | Har-monics | Reading dBμV | Polari-zation | Correction - factor (dB) | Testresult dBμV/m | Limit dB(μV/m) |
|-----------------------------|----------------------------|------------|--------------|---------------|--------------------------|-------------------|----------------|
| 89.8                        | 100.5                      | 1          | 34.5         | V             | 8.7                      | 43.2              | 54.0           |
|                             | 201.0                      | 2          | < 16         | H             | 15.1                     | < 31.1            | 63.5           |
|                             | 301.5                      | 3          | < 16         | H             | 16.3                     | < 32.3            | 66.1           |
|                             | 402.0                      | 4          | < 16         | H             | 18.3                     | < 34.3            | 71.2           |
|                             | 502.5                      | 5          | < 16         | H             | 19.7                     | < 35.7            | 74.0           |
|                             | 603.0                      | 6          | < 16         | H             | 20.9                     | < 36.9            | 74.0           |
|                             | 703.5                      | 7          | < 16         | H             | 22.4                     | < 38.4            | 74.0           |
|                             | 804.0                      | 8          | < 16         | H             | 23.8                     | < 39.8            | 74.0           |
|                             | 904.5                      | 9          | < 16         | H             | 25.1                     | < 41.1            | 74.0           |
| 98.3                        | 109.0                      | 1          | 36.5         | V             | 9.6                      | 46.1              | 54.0           |
|                             | 218.0                      | 2          | < 16         | H             | 15.7                     | < 31.7            | 63.5           |
|                             | 327.0                      | 3          | < 16         | H             | 16.8                     | < 32.8            | 67.6           |
|                             | 436.0                      | 4          | < 16         | H             | 18.8                     | < 34.8            | 72.7           |
|                             | 545.0                      | 5          | < 16         | H             | 20.2                     | < 36.2            | 74.0           |
|                             | 654.0                      | 6          | < 16         | H             | 21.7                     | < 37.7            | 74.0           |
|                             | 763.0                      | 7          | < 16         | H             | 23.2                     | < 39.2            | 74.0           |
|                             | 872.0                      | 8          | < 16         | H             | 24.7                     | < 40.7            | 74.0           |
|                             | 981.0                      | 9          | < 16         | H             | 26.2                     | < 42.2            | 74.0           |
| 108                         | 118.7                      | 1          | 35           | H             | 10.8                     | 45.8              | 54.0           |
|                             | 237.4                      | 2          | 17           | H             | 16.3                     | 33.3              | 63.5           |
|                             | 356.1                      | 3          | < 16         | H             | 17.5                     | < 33.5            | 69.1           |
|                             | 474.8                      | 4          | < 16         | H             | 19.4                     | < 35.4            | 74.0           |
|                             | 593.5                      | 5          | < 16         | H             | 20.8                     | < 36.8            | 74.0           |
|                             | 712.2                      | 6          | < 16         | H             | 22.6                     | < 38.6            | 74.0           |
|                             | 830.9                      | 7          | < 16         | H             | 24.1                     | < 40.1            | 74.0           |
|                             | 949.6                      | 8          | < 16         | H             | 25.8                     | < 41.8            | 74.0           |
| 162.5<br>Weather Band       | 173.2                      | 1          | 38.5         | H             | 14.0                     | 52.5              | 63.3           |
|                             | 346.4                      | 2          | < 16         | H             | 17.3                     | < 33.3            | 68.6           |
|                             | 519.6                      | 3          | 20.5         | H             | 19.9                     | 40.4              | 74.0           |
|                             | 692.8                      | 4          | < 16         | H             | 22.3                     | < 38.3            | 74.0           |
|                             | 866.0                      | 5          | < 16         | H             | 24.6                     | < 40.6            | 74.0           |

Date: 24 MAR 1998



## Notes for Radiation Measurement

**1. Measurement facility:**

Measurement facility located at Fanling (Hong Kong), placed on file with the FCC Pursuant to Section 2.948 of the FCC Rules.

**2. Distance between the EUT and measuring antenna:**

3 meters.

**3. Measuring instrumentations:**

Rohde & Schwarz ESVP Test Receiver ( 20 - 1300 MHz ) with a CISPR weighting QP detector, 6 dB bandwidth set at 120 KHz.

**4. Measuring antenna:**

Broad-band antenna for the frequency range 30 - 300 MHz and frequency range 300 - 1000 MHz, connected with 10 meters coaxial cable. Cable loss of the coaxial cable included in the Antenna Factor for measurement data. The antennas are capable of measuring both horizontal and vertical polarizations.

**5. Frequency range scanned:**

The frequency range 30 - 1000 MHz has been scanned. Readings of the highest emissions relating to the limit were reported as above.

**6. Arrangement of EUT:**

During the test, the sample was operated at rated supply voltage and arranged for maximum emissions.

**7. Measuring Procedure:**

In accordance with the relevant sections of the IEC Publication 106.