Agent of pkm
Accredited Laboratory

FCC ID: BT2SX-385

Exhibit 1 - Test Report

Head Office
Unit 602-605, 6/F, 31 Lok Yip Road, On Lok Tsuen, Fanling, NT, Hong Kong Tel (852) 2305 2570 Fax (852) 2756 4480
香港新界粉嶺安樂村樂業路31號6樓602-605室 電話 (852) 2305 2570 傳真 (852) 2756 4480

INTERNATIONAL ELECTRICAL CERTIFICATION CENTRE LTD.

F C C -

TEST REPORT

REPORT NO.: 17110/8/200F

Units 602-605, 6/F., 31 Lok Yip Road, On Lok Tsuen, Fanling, N.T., Hong Kong
Tel: [852] 2305-2570 **Fax**: [852] 2756-4480

LABORATORY - REPORT

APPLICANT: SHIBA ELECTRONICS LTD

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

DATE OF SAMPLE RECEIVED: 1998-07-27

DATE OF TESTING: 1998-07-30

DESCRIPTION OF SAMPLE:

Product:	AM/FM Stereo Radio with Weather Band, 3 Band EQ
Manufacturer:	CMC ELECTRONICS LTD.
Model number:	SX-385
Band name:	PANASHIBA
Band combination:	AM/FM / Weather Band
Rating:	AC 120V 60Hz or DC 9V ('D' Size Battery x 6)
Country of Origin:	P.R. CHINA

INVESTIGATIONS REQUESTED: Measurements to the relevant clauses of F.C.C. Rules and Regulations Part 15 Subpart B – Unintentional Radiators

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 國際電器認證中心有限公司

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.

Summary of Test Results

Interference Radiation:

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

Interference Voltage:

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

U1

International Electrical Certification Centre Ltd.

Interference Radiation 25MHz to 1000MHz
According: FCC Part 15 Subpart B

IECC Ref: 17110/8/200F
Model: SX-385
Applicant: SHIBA ELECTRONICS LTD

Ser.Nr.: 1
InterFreq 10.7 MHz (FM Mode)

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	29	V	8.7	37.7	43.5
	201.0	2	< 16	H	15.1	< 31.1	43.5
	301.5	3	< 16	H	16.3	< 32.3	46.0
	402.0	4	< 16	H	18.3	< 34.3	46.0
	502.5	5	< 16	H	19.7	< 35.7	46.0
	603.0	6	< 16	H	20.9	< 36.9	46.0
	703.5	7	< 16	H	22.4	< 38.4	46.0
	804.0	8	< 16	H	23.8	< 39.8	46.0
	904.5	9	< 16	H	25.1	< 41.1	46.0
98.3	109.0	1	31.5	V	9.6	41.1	43.5
	218.0	2	< 16	H	15.7	< 31.7	46.0
	327.0	3	< 16	H	16.8	< 32.8	46.0
	436.0	4	< 16	H	18.8	< 34.8	46.0
	545.0	5	< 16	H	20.2	< 36.2	46.0
	654.0	6	< 16	H	21.7	< 37.7	46.0
	763.0	7	< 16	H	23.2	< 39.2	46.0
	872.0	8	< 16	H	24.7	< 40.7	46.0
	981.0	9	< 16	H	26.2	< 42.2	54.0
108	118.7	1	30.5	H	10.8	41.3	43.5
	237.4	2	< 16	H	16.3	< 32.3	46.0
	356.1	3	< 16	H	17.5	< 33.5	46.0
	474.8	4	< 16	H	19.4	< 35.4	46.0
	593.5	5	< 16	H	20.8	< 36.8	46.0
	712.2	6	< 16	H	22.6	< 38.6	46.0
	830.9	7	< 16	H	24.1	< 40.1	46.0
	949.6	8	< 16	H	25.8	< 41.8	46.0

Date: [illegible]

☒ O.K.

Operator: [illegible]

U1

International Electrical Certification Centre Ltd.

Interference Radiation 25MHz to 1000MHz
According: FCC Part 15 Subpart B

IECC Ref: 17110/8/200F
Model: SX-385
Applicant: SHIBA ELECTRONICS LTD

Ser.Nr.: 1
InterFreq 10.7 MHz (Weather Band)

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)
162.5	173.2	1	26	H	14.2	40.2	43.5
	346.4	2	< 16	H	17.3	< 33.3	46.0
	519.6	3	< 16	H	19.9	< 35.9	46.0
	692.8	4	< 16	H	22.3	< 38.3	46.0
	866.0	5	< 16	H	24.6	< 40.6	46.0

Date: 30 JUL 1998

☒ O.K.

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 American National Standards Institute (ANSI) C63.4-1992 'Methods of Measurement of Radio Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9KHz to 40GHz'.

U 5/6

International Electrical Certification Centre Ltd.

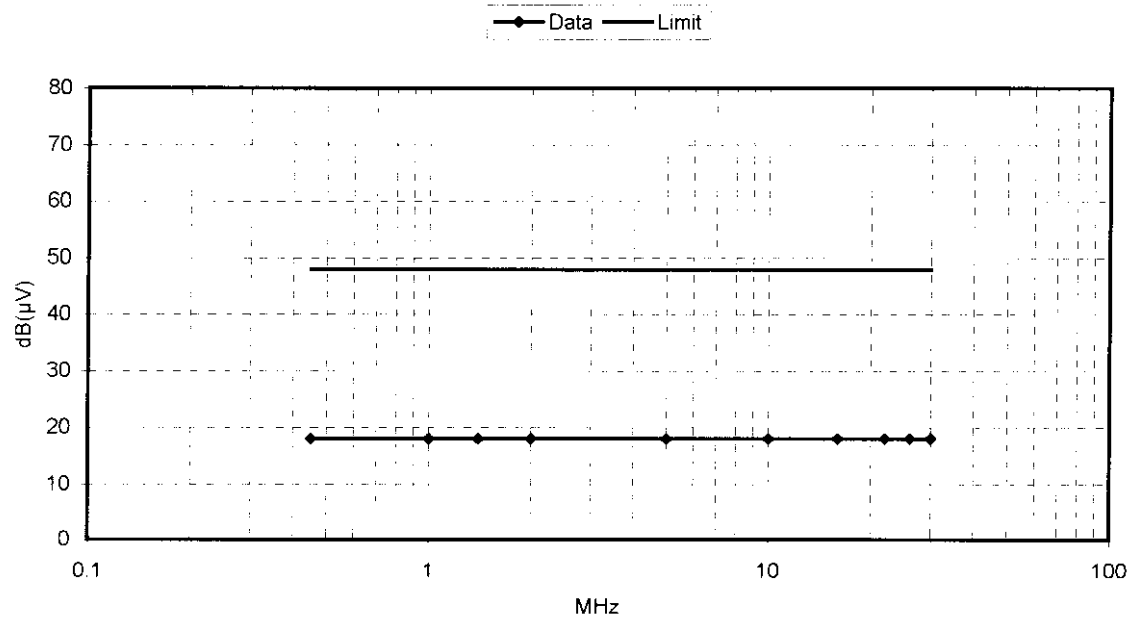
Interf. Voltage 450 KHz - 25 MHz
Acc: FCC Part 15 Subpart B

IECC Ref: 17110/8/200F
Model: SX-385
Applicant: SHIBA ELECTRONICS LTD

Ser.Nr.: 1
Set under test: AM/FM Stereo Radio with Weather Band, 3 Band EQ
Connected sets: -
Operating mode: Power "On" (FM Mode)

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

Frequency (MHz)	Reading dB(µV)	Test Result dB(µV)	Limit dB(µV)
0.45	< 18	< 18	48
1	< 18	< 18	48
1.4	< 18	< 18	48
2	< 18	< 18	48
5	< 18	< 18	48
10	< 18	< 18	48
16	< 18	< 18	48
22	< 18	< 18	48
26	< 18	< 18	48
30	< 18	< 18	48



Date: 10 JUL 1998

☒ O.K.

Notes for Voltage Measurement

1. **LISN (Line Impedance Stabilization Network) used:**
   50 µH LISN in accordance with Section 4 of ANSI C63.4-1992.

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 450 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 the American National Standards Institute (ANSI) C63.4-1992 'Methods of Measurement of Radio Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9KHz to 40GHz'