



INTERNATIONAL ELECTRICAL CERTIFICATION CENTRE LTD.

**F C C -
TEST REPORT**

REPORT NO.: 19122/9/400F

Units 602-605, 6/F., 31 Lok Yip Road, Or Lok Tsuen, Fanling, N.T., Hong Kong
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INTERNATIONAL ELECTRICAL
CERTIFICATION CENTRE LTD.

FCC – Test Report

No. 19122/9/400F

Date: 1999-08-26

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

in compliance with the requirements of
ANSI C63.4 - 1992

Product : FM-Transmitter (3 Channel)
Model : MV-TX2
Applicant : SOUNDING INDUSTRIES LTD
Manufacturer : SOUNDING INDUSTRIES LTD



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LABORATORY - REPORT

APPLICANT: SOUNDING INDUSTRIES LTD
ADDRESS: Blk N, 9/F, Stage 2, Kwai Fung Ind Centre
33-39 Kwai Fung Road
Kwai Chung, NT
HONG KONG

DATE OF SAMPLE RECEIVED: 1999-08-13

DATE OF TESTING: 1999-08-18

DESCRIPTION OF SAMPLE:

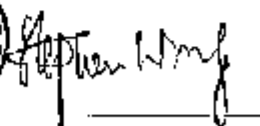
Product: FM-Transmitter (3 Channel)
Manufacturer: SOUNDING INDUSTRIES LTD
Model number: MV-TX2
Rating: DC 12V
Country of Origin: P.R. CHINA

INVESTIGATIONS REQUESTED: Measurements to the relevant clauses of F.C.C. Rules and Regulations
Part 15 Subpart C - Intentional 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.




Authorized Signature

Remark: Purpose of these 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

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Summary of Test Results

Interference Radiation:

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

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TEST EQUIPMENT LIST

Equipment	Manufacturer	Model	Serial No.	Remark
Test Receiver	Rohde & Schwarz	FSH 3	863497/015	10KHz – 30MHz
Test Receiver	Rohde & Schwarz	ESVP	860688/022	25MHz – 1,300 MHz
Artificial Mains Network (LISN)	Schwarzbeck	NSLK 8127		2 x 10A, 50Ω, 50μH 10KHz-30MHz
Antenna System	Schwarzbeck	BBA 9106 / UHALP 9107	--	30MHz – 1000MHz
Antenna Mast System	Schwarzbeck	AM9104	--	Max. 4 meters height
Spectrum Analyzer with Q. Peak	Tektronix	2712	B023006	9KHz – 1.8GHz
Interface for Spectrum 2712	Tektronix	ID3H-14A	--	
Test Receiver	Rohde & Schwarz	ESH 3	892580/008	10KHz – 30MHz
Test Receiver	Rohde & Schwarz	ESVP	863512/012	25MHz – 1,300 MHz
Impulse Limiter	Rohde & Schwarz	ESH-3-Z2	--	
Artificial Mains Network (LISN)	Schwarzbeck	NSLK 8127	--	2 x 10A, 50Ω, 50μH 10KHz-30MHz
Antenna System	Schwarzbeck	BBA 9106 / UHALP 9107	--	30MHz – 1000MHz
Signal Generator	Rohde & Schwarz	SWS 2	879113/12	100KHz – 1040 MHz
Digital Multimeter	Tektronix	DM2510G	DM- 2510G1W10555	10KHz – 30MHz
Turntable with Controller	Drehtisch	DT312	—	φ120 cm



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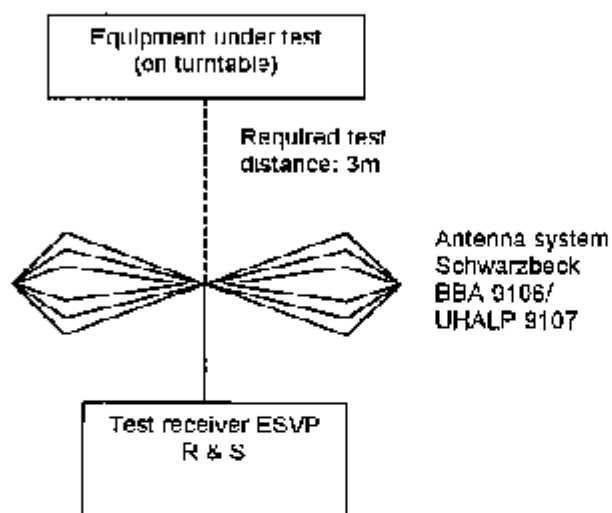
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Radiated Emission Test Procedure





Interference Radiation

International Electrical Certificate Control Ltd.

Measurement of Radiated Emissions (30MHz-1000MHz)

Acc: FCC Part 15 Subpart C

IECC Ref: 19122/9/400F
 Model: MV-TX2
 Applicant: SOUNDING INDUSTRIES LTD
 Ser.Nr.: 1
 Set under test: FM-Transmitter (3 Channel)
 Connected sets: -
 Operating mode: Power "On" (Channel 1)

Test Equipment
 Receiver: ESVP Rohde & Schwarz
 Antenna: Schwarzbeck SBA 8106
 and UHALP 9107

(1) Fundamental Frequency

Frequency (MHz)	Horz. Reading dB(μV)	Vert. Reading dB(μV)	Antenna Factor (dB)	Horiz. Test Result (μV/m)	Vert. Test Result (μV/m)	Limit (μV/m)
89.7	30	33	6.5	67	34	250

(2) Outside Emissions

The outside emissions from 30 MHz - 1000 MHz were too low to be measured. All these emissions were more than 20 dB below the limit.

Note: The above measurement were conducted with a 1 KHz reference audio input signal

Test result:

☒ O.K.
☐ Not O.K.

Date: 18 AUG 1999

Operator: Co



Interference Radiation

Measurement of Radiated Emissions (30MHz-1000MHz)

International Electrical Certification Centre Ltd.

Acc: FCC Part 15 Subpart C

IECC Ref: 191229/100F
 Model: MV-TX2
 Applicant: SCUNDING INDUSTRIES LTD
 Ser.Nr.: 1
 Set under test: FM-Transmitter (3 Channel)
 Connected sets: -
 Operating mode: Power "On" (Channel 2)

Test Equipment
 Receiver: EGVP Rohde & Schwarz
 Antenna: Schwarzbeck ODA 5100
 or d J-HALP 9-07

(1) Fundamental Frequency

Frequency (MHz)	Horiz. Reading dB(μV)	Vert. Reading dB(μV)	Antenna Factor (dB)	Horiz. Test Result (μV/m)	Vert. Test Result (μV/m)	Limit (μV/m)
90.1	37.5	35	6.5	71	119	250

(2) Outside Emissions

The outside emissions from 30 MHz - 1000 MHz were too low to be measured. All these emissions were more than 20 dB below the limit.

Note: The above measurement were conducted with a 1 KHz reference audio input signal

Test result:

☒ O.K.
☐ Not O.K.

Date: 18 AUG 1999

Operator: Ge



Interference Radiation

International Electrical Certification Centre Ltd.

Measurement of Radiated Emissions (30MHz-1000MHz)

Acc: FCC Part 15 Subpart C

IECC Ref: 19122/9/400F
 Model: MV-TX2
 Applicant: SOUNDING INDUSTRIES LTD
 Ser.Nr.: 1
 Set under test: FM-Transmitter (3 Channel)
 Connected sets: -
 Operating mode: Power "On" (Channel 3)

Test Equipment
 Receiver: SVP Rohde & Schwarz
 Antenna: Schwarzbeck BBA 9105
 and UHALP 9107

(1) Fundamental Frequency

Frequency (MHz)	Horiz. Reading dB(μV)	Vert. Reading dB(μV)	Antenna Factor (dB)	Horiz. Test Result (μV/m)	Vert. Test Result (μV/m)	Limit (μV/m)
91.5	32	36	6.6	65	135	250

(2) Outside Emissions

The outside emissions from 30 MHz - 1000 MHz were too low to be measured. All these emissions were more than 20 dB below the limit.

Note: The above measurement were conducted with a 1 KHz reference audio input signal.

Test result:

☒ O.K.
☐ Not O.K.

Date: 18 AUG 1999

Operator: Co. _____

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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 OP 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. **Measurement results:**