FCC-TEST REPORT

REPORT NO.: 26687R/1/400F

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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: Evictor

Product Class: Low Power Communication Device

Transmitter

Model : 60-4289

Applicant: RADIOSHACK CORPORATION

Manufacturer: ECHO TOYS LTD

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LABORATORY - REPORT

APPLICANT: RADIOSHACK CORPORATION

ADDRESS: 100 Throckmorton St.

Ste 1300

Fort Worth, TX 76102-2802

USA

DATE OF SAMPLE RECEIVED: 2001-06-04

DATE OF TESTING: 2001-06-18

DESCRIPTION OF SAMPLE:

Product: Evictor

Product class: Lower Power Communication Device Transmitter

Manufacturer: ECHO TOYS LTD

Model number: 60-4289

Rating: DC 9V ('6F22' Size Battery x 1)

Country of Origin: P.R. CHINA

INVESTIGATIONS Measurements to the relevant clauses of F.C.C. Rules and Regulations

REQUESTED: 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 Cianoture

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

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Summary of Test Results

Interference Radiation:

Test result: O.

Test data: See attached data sheet

Interference Voltage:

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

PHOTOGRAPH OF THE SAMPLE



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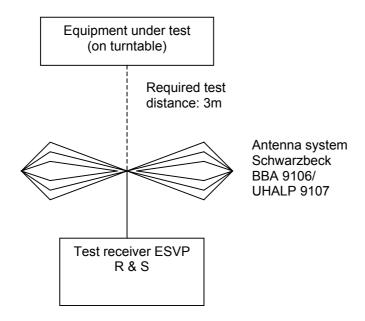
TEST EQUIPMENT LIST

Equipment	Manufacturer	Model	Serial No.	Remark	
Test Receiver	Rohde & Schwarz	ESH 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	TD3F14A			
Loop Antenna	Rohde & Schwarz	HFH2-Z2	871336/48	9KHz-30MHz	
Test Receiver	Rohde & Schwarz	ESH 3	892580/006	10KHz – 30MHz	
Test Receiver	Rohde & Schwarz	ESVP	863512/012	25MHz – 1,300 MHz	
Impulse Limiter	Rohde & Schwarz	ESH-3-Z2			
Antenna System	Schwarzbeck	BBA 9106 / UHALP 9107		30MHz – 1000MHz	
Signal Generator	Rohde & Schwarz	SWS 2	879113/42	100KHz – 1040 MHz	
Digital Multimeter	Tektronix	DM2510G	DM- 2510GTW10555	10KHz – 30MHz	
Turntable with Controller	Drehtisch	DT312		φ120 cm	

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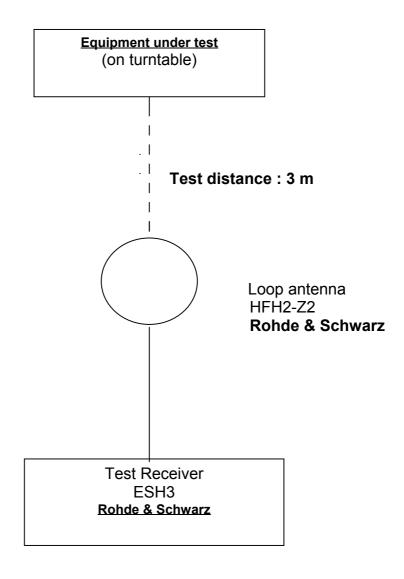
Radiated Emission Test Procedure (> 30MHz)



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Radiated Emission Test Procedure (9kHz - 30MHz)



Interference Radiation

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Date:

Receiver: ESVP Rohde & Schwarz

Antenna: - Schwarzbeck BBA 9106 - Schwarzbeck UHALP 9107

- Rohde & Schwarz HFH2-Z2

Test Equipment :

FCC Part 15 Subpart C

26687R/1/400F Application no.:

Model: 60-4289 RADIOSHACK CORPORATION Applicant:

Sample no.: Set under test: Evictor Connected sets: Operating mode: Power "ON"

A. Radiation Measurement below 30 MHz

1. Fundamental Frequency

FCC Limit (dB(µV/m)) Frequency (MHz) Maximum Test Result (dB(µV/m)) Peak Average Peak Average 27.14 100

2. The measured radiation outside the operation band were negligible

B. Radiation Measurement over 30 MHz

		Frequency (MHz)	Re	lorz. ading 3(µV)	Re	/ert. eading Β(μV)	Antenna Factor (dB)		loriz. Test Result dB(µV/m)		ert. Test Result Β(μV/m)	Limit dB(μV/m)
Harm.	2	54.28	<	16	<	16	10.2	<	26.2	<	26.2	40.0
Harm.	3	81.42	<	16	<	16	7.1	<	23.1	<	23.1	40.0
Harm.	4	108.56	<	16	<	16	11.6	<	27.6	<	27.6	43.5
Harm.	5	135.7	<	16	<	16	14.3	<	30.3	<	30.3	43.5
Harm.	6	162.84	<	16	<	16	15.6	<	31.6	<	31.6	43.5
Harm.	7	189.98	<	16	٧	16	16.3	٧	32.3	٧	32.3	43.5
Harm.	8	217.12	<	16	٧	16	16.9	٧	32.9	٧	32.9	46.0
Harm.	9	244.26	<	16	٧	16	17.6	٧	33.6	٧	33.6	46.0
Harm.	10	271.4	<	16	٧	16	18.5	٧	34.5	٧	34.5	46.0
Harm.	11	298.54	<	16	٧	16	19.9	٧	35.9	٧	35.9	46.0
Harm.	12	325.68	<	16	٧	16	16.8	٧	32.8	٧	32.8	46.0
Harm.	13	352.82	<	16	٧	16	17.5	٧	33.5	٧	33.5	46.0
Harm.	14	379.96	<	16	٧	16	18.0	٧	34.0	٧	34.0	46.0
Harm.	15	407.1	<	16	<	16	18.4	<	34.4	<	34.4	46.0
Harm.	16	434.24	<	16	<	16	18.8	<	34.8	<	34.8	46.0
Harm.	17	461.38	<	16	٧	16	19.2	٧	35.2		35.2	46.0
Harm.	18	488.52	<	16	٧	16	19.5	٧	35.5	٧	35.5	46.0
	19	515.66	<	16	٧	16	19.9	٧	35.9	٧	35.9	46.0
Harm.	- L	542.8	٧	16	٧	16	20.1	٧	36.1	٧	36.1	46.0
Harm.	21	569.94	<	16	<	16	20.5	<	36.5	<	36.5	46.0
Harm.	22	597.08	<	16	<	16	20.9	<	36.9	<	36.9	46.0
Harm.	23	624.22	<	16	٧	16	21.2	٧	37.2	٧	37.2	46.0
Harm.	24	651.36	<	16	٧	16	21.6	٧	37.6	٧	37.6	46.0
Harm.		678.5	<	16	<	16	22.1	<	38.1	<	38.1	46.0
Harm.	26	705.64	<	16	<	16	22.5	<	38.5	<	38.5	46.0
Harm.	27	732.78	<	16	٧	16	22.8	٧	38.8	٧	38.8	46.0
Harm.	28	759.92	<	16	٧	16	23.2	٧	39.2	٧	39.2	46.0
Harm.	29	787.06	<	16	٧	16	23.5	٧	39.5	٧	39.5	46.0
Harm.	30	814.2	<	16	<	16	23.9	٧	39.9	٧	39.9	46.0
Harm.	31	841.34	<	16	<	16	24.3	<	40.3	<	40.3	46.0
Harm.	32	868.48	<	16	<	16	24.6	<	40.6	<	40.6	46.0
Harm.	33	895.62	<	16	<	16	24.9	<	40.9	<	40.9	46.0
Harm.	34	922.76	<	16	<	16	25.4	<	41.4	<	41.4	46.0
Harm.	35	949.9	<	16	<	16	25.8	<	41.8	<	41.8	46.0
Harm.	36	977.04	<	16	<	16	26.2	<	42.2	<	42.2	54.0

Remark:

All frequencies in the required range have been scanned and only those

significant and representative readings are reported above. All emissions not reported above are all well below the limit.

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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 QP detector, 6 dB bandwidth set at 120 KHz.

In the frequency range above 1000 MHz Spectrum Analyzer FMSM26 and Analyzer Display Unit FSAD are used, bandwidth set at 100 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.

Loop antenna for the frequency range 9KHz – 30MHz, connected with 10 meters coaxial cable. Cable loss of the coaxial cable included in the measurement data. The center of the loop 1 m above the ground plane, positioned with its plane vertical at the specified distance and rotated about its vertical axis and placed horizontal for maximum response at each azimuth about the EUT.

In the frequnecy range above 1 GHz horn-antenna RGA 50/60 is used.

5. Frequency range scanned:

The frequency range 30 - 5000 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. To find the maximum emission, the antenna was raised from 1 to 4 meters and was stopped at the maximum emission point.

7. Measuring Procedure:

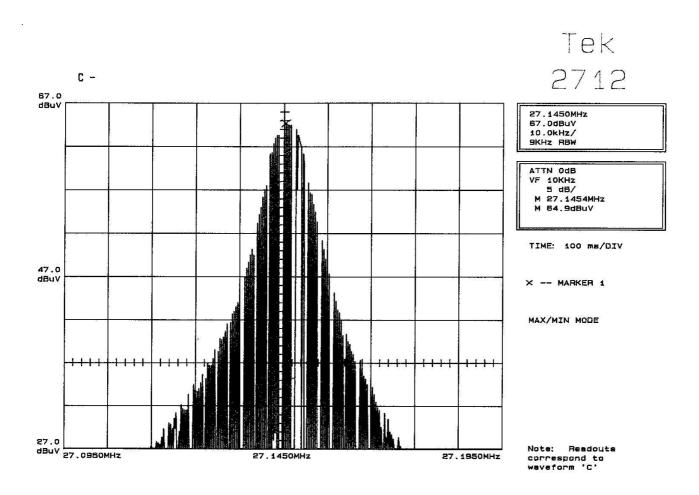
In accordance with the relevant sections of the American National Standards Institute (ANSI) C63.4-1992 'Methods of Measurement of Radio Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9KHz to 40GHz'.

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Measurement Data of Emissions within Band Edges



Result : The field strength of any emission within the operation band did not exceed 80 dB(μ V/m) for average value or 100 dB(μ V/m) for peak value. Refer to page 9 for the recorded value for the emission at the fundamental frequency.

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Notes for Measurement of Emissions within Band Edges

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. Measuring instrumentations:

Spectrum Analyzer: Tektronix 2712

3. Frequency range scanned:

The frequency range acc. to FCC rules and regulations part 15 subpart C - Intentional Radiators.

4. Arrangement of EUT:

During the test, the sample was operated.

5. Measuring Procedure:

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