Agent of (pkm)

FCC ID: HAP602751R

Exhibit 1 - Test Report



F C C TEST REPORT

REPORT NO.: 16125/8/400F



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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

Remote Control Car -- 49 MHz

Receiver

Model

60-2751

Importer

ECHO TOYS LTD

Manufacturer :

ECHO ELECTRONIC TOYS

FACTORY



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LABORATORY - REPORT

APPLICANT:

ECHO TOYS LTD

ADDRESS:

8 A&B, Block 1, Tai Ping Industrial Centre

57 Ting Kok Road

Taipo, NT HONG KONG

DATE OF SAMPLE RECEIVED:

1998-03-23

DATE OF TESTING:

1998-03-24

DESCRIPTION OF SAMPLE:

Product:

Remote Control Car -- 49 MHz Receiver

Manufacturer:

ECHO ELECTRONIC TOYS FACTORY

Model number:

60-2751

Rating:

DC: DC 3V ('AA' Size Battery x 2)

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.



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.K.

Test data:

See attached data sheet

Interference Voltage:

Test result:

N.A.

Test data:

N.A.



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TEST EQUIPMENT LIST

Equipment	Manufacturer	Model	Serial Number	Remark
	Rohde & Schwarz	ESH 3	863497/015	10KHz – 30MHz
Test Receiver	Rohde & Schwarz	ESVP	860688/022	25MHz - 1,300 MHz
Test Receiver Artificial Mains	Schwarzbeck	NSLK 8127		2 x 10A, 50Ω, 50μH 10KHz- 30MHz
Network (LISN) 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		
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		
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	879113/42	100KHz – 1040 MHz
Digital Multimete		DM2510G	DM- 2510GTW10555	10KHz – 30MHz
Turntable with Controller	Drehtisch	DT312		ф120 cm



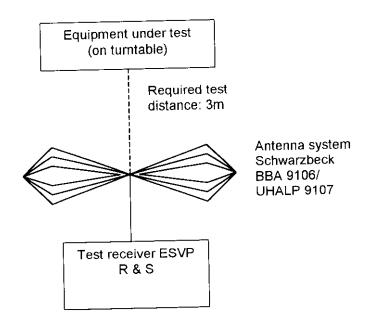
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Radiated Emission Testprocedure





Unintentional Radiators

International Electrical Certification Centre Ltd.

Measurement of Radiated Emissions (30MHz-1000MHz) Acc: FCC Part 15 Subpart B

IECC Ref:	16125/8/400F						
Model:	60-2751						
Applicant:	ECHO TOYS LTD						
• •							
Sor Nr ·	1						

1

Set under test:
Connected sets:
Operating mode:

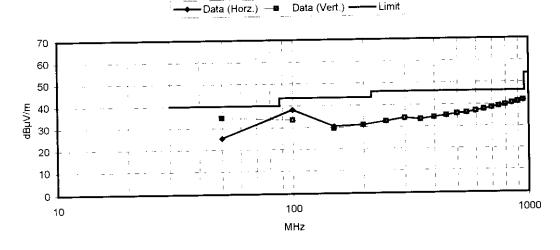
Remote Control Car

Power "On"

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

and UHALP 9107

Frequency (MHz)	Но	rz. Reading dΒ(μV)	Ve	rt. Reading dB(µV)	Antenna Factor (dB)	H	loriz. Test Result (μV/m)		ert. Test Result (µV/m)	Limit (µV/m)
49.86		17.5	 	27	7.7	┢	18.3		54.6	100.0
99.72	╁	29.5		25	8.5		79.8		47.6	150.0
149.58	+	17.5	\vdash	16.5	13.0	Τ	33.5		29.8	150.0
199.44	 	16	₹	16	15.1	<	35.8	<	35.8	150.0
249.3	 	16	 	16	16.7	<	43.1	<	43.1	200.0
299.16		16	<	16	18.0	<	50.0	<	50.0	200.0
349.02		16	 	16	17.4	<	46.7	٧	46.7	200.0
398.88	- -	16	\ <u>-</u>	16	18.3	 <	51.8	<	51.8	200.0
448.74	-	16	 	16	19.0	₹	56.1	~	56.1	200.0
498.6	<	16	<	16	19.7	<u>₹</u>	60.8	<	60.8	200.0
	-	16	<	16	20.2	<	64.5	<	64.5	200.0
548.46	 	16	{	16	20.9	 	69.8	_	69.8	200.0
598.32		16	 	16	21.6	1<	75.6	_	75.6	200.0
648.18	<	16	<	16	22.4	╁	82.9		82.9	200.0
698.04		16	1	16	23.0	<	89.6		89.6	200.0
747.9		16	-	16	23.7	╁	96.3	-	96.3	
797.76		16	 	16	24.3	オ₹	104.0	-	104.0	200.0
847.62	<	16	<	16	25.0	╅~	111.8	-	111.8	200.0
897.48 947.34	- -	16	\ <u>\</u>	16	25.7	-	122.0	+-	122.0	



Date: 24 MAR 1998

O.K.

×



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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.

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'.