



The Hong Kong Standards and Testing Centre Ltd.

Date: 1998-08-06

TEST REPORT

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No.: HM1238A/504

APPLICANT: (CODE : 021739)

DSI (HK) LTD.

Rm 803-6, World Finance Centre, South Tower, Harbour City, Tsim Sha Tsui, Kowloon, Hong Kong.

DATE OF SAMPLES RECEIVED: 1998.08.03

DATE OF TESTING: 1998.08.04

DESCRIPTION OF SAMPLE(S):

A sample of product said to be:

Product: R/C Burnin' Thunder - Receiver

Manufacturer: Lung Cheong Toys Limited.

Model Number: 27119

Brand Name: R/C Burnin' Thunder

Rating: 9.6Vd.c. Power Pack

Origin: China

INVESTIGATIONS REQUESTED:

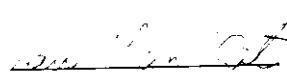
Measurement to the relevant clauses of F.C.C. Rules and Regulations Part 15 Subpart B - Unintentional Radiator.

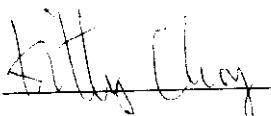
RESULT/ REMARK: Please see attached sheet(s).

CONCLUSION:

From the measurement data obtained, the tested sample was considered to have COMPLIED with the clause 15.109(a) of Federal Communications Commission Rules and Regulations Part 15.

TEST EQUIPMENT AUDIT: Please see Appendix A


Testing Engineer


Verify by


Patrick Wong
for Managing Director

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TEST SUMMARY

UNINTENTIONAL RADIATOR

(A) <u>Measurement of Radiated Emissions</u>	Satisfactory
(B) <u>Line Conducted Voltage Test</u>	Not applicable

TEST DATA

Please refer to the attached result sheets.



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UNINTENTIONAL RADIATOR

** RECEIVER SECTION **

(A) Measurement of Radiated Interference

TEST REFERENCE: FCC Rules Part 15 Subpart B section 15.109(a)

TEST CONDITION : Normal

TEST DATE : 1998.08.04

Freq. to which tuned	Freq of the emission	Polarization H-V	Meter reading (at 3m)		Antenna factor	Field Strength (at 3m)	FCC limit @	
MHz	MHz		dB(µV)	dB	dB(µV/m)	µV/m	µV/m	
49.9	49.9	V	20.2	+	15.0	35.2	57.5	100
	99.7	H	12.8	+	12.2	25.0	17.8	150
149.6		<	1.0	+	9.8	< 10.8	< 3.5	150
199.4		<	1.0	+	11.5	< 12.5	< 4.2	150
249.3		<	1.0	+	15.9	< 16.9	< 7.0	200
299.1		<	1.0	+	17.0	< 18.0	< 7.9	200
349.0		<	1.0	+	17.2	< 18.2	< 8.1	200
398.8		<	1.0	+	18.8	< 19.8	< 9.8	200
448.7		<	1.0	+	19.7	< 20.7	< 10.8	200
498.6		<	1.0	+	20.6	< 21.6	< 12.0	200
548.4		<	1.0	+	22.2	< 23.2	< 14.5	200
598.3		<	1.0	+	23.4	< 24.4	< 16.6	200
648.1		<	1.0	+	23.5	< 24.5	< 16.8	200
698.0		<	1.0	+	25.0	< 26.0	< 20.0	200
747.8		<	1.0	+	26.2	< 27.2	< 22.9	200
797.7		<	1.0	+	27.2	< 28.2	< 25.7	200
847.5		<	1.0	+	27.2	< 28.2	< 25.7	200
897.5		<	1.0	+	27.2	< 28.2	< 25.7	200
947.2		<	1.0	+	27.8	< 28.8	< 27.5	200
997.1		<	1.0	+	28.5	< 29.5	< 29.9	500

=====SUMMARY=====

All data is within limits

Broad-band Antennas were used and both polarizations of emissions were measured

Polarizations at highest reading indicated as:

H -- Horizontal

V -- Vertical



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NOTES FOR THE RADIATION MEASUREMENT

(1) Test site facility:

Open field test site located at Taipo (Hong Kong) with a metal ground plane on filed with the FCC pursuant to section 2.948 of the FCC Rules.

(2) Distance between the ET and measuring antenna:

3 meters.

(3) Measuring instrumentation's:

CISPR Quasi-peak type field strength meter (25 MHz - 1000 MHz.). 6 dB bandwidth set at 120 KHz. Also, peak level of the fundamental emissions was measured in order to determine compliance with the 20dB peak to average limit specified in Section 15.35(b) of the FCC new Rules.

(4) Measuring antenna:

Broad band antenna for the frequency range 25-1000 MHz, connected with 10 meters coaxial cable. Cable loss of the coaxial cable. included in the Antenna Factor for measurement data. The antenna are capable of measuring both horizontal and vertical polarizations.

(5) Frequency range scanned:

The frequency range from 25 MHz to 1000 MHz had been searched. 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 clauses of the FCC Rules Part 15 section 15.109(a) and ANSI C63.4:1992 section 12.1.1.1-2.

(8) Measuring Uncertainty:

The calculated uncertainty for measurement performed at 3M test distance are:-
30MHz to 200MHz = $\pm 3.7\text{dB}$, 200MHz to 1000MHz = $+ 3.0\text{dB}/-2.7\text{dB}$.

Remark: Purpose of this test is to provide the Applicant with the necessary test data of their device for the submission to FCC with application for Equipment Authorization under FCC's Equipment Authorization Program. This test itself is not an Approval Test.

*****End of Document*****



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APPENDIX A

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TEST EQUIPMENT AUDIT

Radiated Emission

EQP NO.	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	LAST CAL
EM007	SPECTRUM ANALYZER	HP	HP85660B	3144A21192	29/05/98
EM008	SPECTRUM ANALYZER DISPLAY	HP	HP85662A	3144A20514	29/05/98
EM009	QUASI PEAK ADAPTOR	HP	HP85650A	3303A01702	29/05/98
EM010	RF PRESELECTOR	HP	HP85685A	3221A01410	29/05/98
EM011	ATTENUATOR/SWITCH	HP	HP11713A	2508A10595	29/05/98
EM012	PRE-AMPLIFIER	HP	HP8449B	3008A00262	29/05/98
EM013	CONTROLLER (COMPUTER), COLOR MONITOR, KEYBOARD & MOUSE FLOPPY DRIVE	HP HP HP	HP9000 HP A1097C HP9133L	6226A60314 3151J39517 2623A02468	CM
EM017	ANTENNA	ARA INC	LPB-2513/A	1069	31/12/97
EM072	SIGNAL GENERATOR	HP	8640B	1948A11892	30/03/98
EM083	HKSTC OPEN AREA TEST SITE	HKSTC	N/A	N/A	16/02/98

ABBREVIATIONS:

CM = Corrective Maintenance

N/A = Not Applicable

Managing Director
 Tommy Yau

Yours sincerely,

Centre Ltd, 10 Dai Wang Street, Taipo Industrial Estate, Taipo, NT, Hong Kong.
 that the necessary measurements were made by the Hong Kong Standards and Testing
 expected due to quantity production and testing on a statistical basis. I further certify
 regulations, will conform to the samples tested within the variations that can be
 Each unit manufactured, imported or marketed, as defined in the Commission's
 standards and demonstrate that the equipment complies with the appropriate standards.
 performed using measurement procedures consistent with industry or Commission
 appropriate Commission regulations. To the best of my knowledge, these tests were
 This equipment has been tested in accordance with the requirements contained in the

Re: Letter of Attestation

Dear Sir,

Attn: Mr. Patrick Wong

Hong Kong
 Taipo, NT
 Taipo Industrial Estate
 10 Dai Wang Street
 The Hong Kong Standards and Testing Centre Ltd.

Date : Aug 03, 98.

Tel : (852) 2375-2683 Fax: (852) 2375-1810
 Rm. 803-6, World Finance Centre, South Tower
 Harbour City, Tsim Sha Tsui, Kowloon, Hong Kong

DSI (HK) LTD.

Where Fun Lives™





香港標準及檢定中心
The Hong Kong Standards and Testing Centre Ltd

Date : August 8, 1998

Federal Communications Commission
EQUIPMENT APPROVAL SERVICES
P.O.BOX 358315
Pittsburgh, PA 15251-5315
U S A

Dear Officers,

Re: Application for Equipment Authorization (CERTIFICATION)

On behalf of "DSI (H.K.) LTD.", We have the Pleasure in
submitting the application for Equipment Authorization for their
following product:

DESCRIPTION : Low Power Communication Device -
Receiver

MODEL NUMBER : 27119

FCC ID : KNZ27119R49MHZ

Your kind attention and prompt processing of this application
will be much appreciated.

Yours sincerely,

Patrick Wong
EED Manager

Encls.





香港標準及檢定中心
The Hong Kong Standards and Testing Centre Ltd
Date : August 8, 1998

FCC ID: KNZ27119R49MHZ

LIST OF DOCUMENTS
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- A. A bank-draft of the amount of US\$350.00 as fee for application
- B. FCC Form 731 - completed and signed
- C. Letter of Appointment submitted by the Applicant
- D. Exhibits submitted with applications:
 - 1. Technical Report (including the User's Manual)
 - 2. Expository Statement
 - 3. Photographs of the Device
 - 4. Drawing of the FCC ID label and position of where the label will be put on the device
 - 5. Report of Measurement (Report Number HM1238A/504)
 - 6. Letter of Attestation

