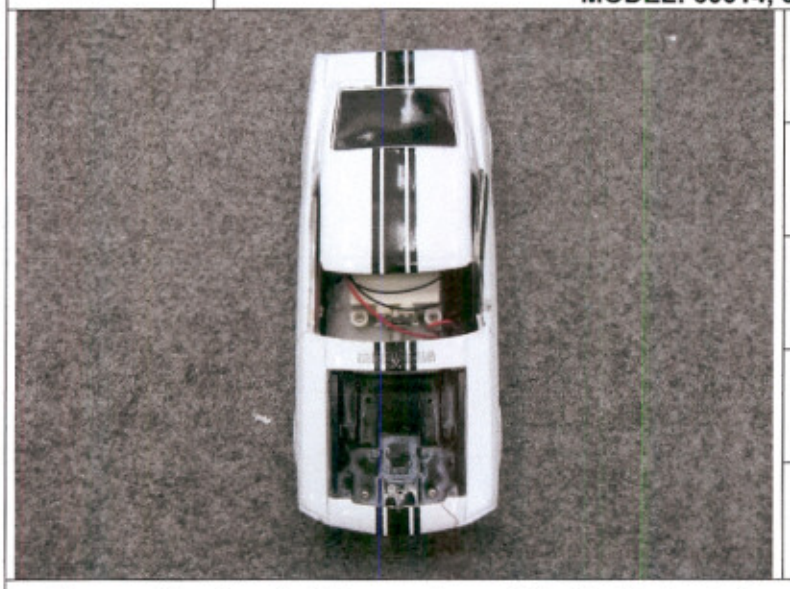
TEST REPORT N°: BVCK09AP188MTHS

TEST REPORT

To:	**PLAYMIND LTD**	To:	-
Attn:	LING FUNG	Attn:	-
Address:	Rm 413-415, Houston Centre, 63 Mody Road, TST East, Kowloon	Address:	-
Fax:	2375 7439	Fax:	-
E-mail:	ling@playmindltd.com	E-mail:	-
Offer No.:	BVCK09AP16-01MTHS-A0		
Factory name:	JINJIANG HENGSHENG TOYS CO LTD		
Location:	--		
Product:	**1:18 STREET MUSCLE – FORD MUSTANG / FORD F100** **MODEL: 60014, 60015, 60000, 60013**		



Sample No:	(5209) 104-0547
Test date:	April 16, 2009
Test Requested:	FCC Part 15 - 2008
Test Method:	ANSI C63.4 - 2003
FCC ID:	WFE60000-49-RX

The results given in this report are related to the tested specimen of the described electrical apparatus.

CONCLUSION: The submitted sample was found to COMPLY with requirement of FCC Part 15 Subpart B.

Authorized Signature:

Reviewed by: Eric Wong	Approved by: Steven Tsang
Date: June 3, 2009	Date: June 3, 2009

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Location of the test site

Radiated and Conducted emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.4 – 2003. An Open Area Test Site and Full Anechoic Chamber (FCC Listed Site, Registration No. 642151) are set up for investigation and located at :

BUREAU VERITAS HONG KONG LIMITED, EMC CENTRE

No. 2106-2107, 21/F., Westin Centre,
26 Hung To Road,
Kwun Tong, Kowloon,
Hong Kong

List of measuring equipment

Radiated Emission

EQUIPMENT	MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATION DUE
EMI TEST RECEIVER	R&S	ESCI	100379	18-AUG-2009
HF LOOP ANTENNA	SCHAFFNER	HLA 6120	21728	14-NOV-2009
BILOG ANTENNA	SCHAFFNER	CBL6112D	25229	31-JAN-2010
OPEN AREA TEST SITE	BVCPS	N/A	N/A	05-JULY-2009
ANECHOIC CHAMBER	ALBATROSS	M-CDC	80374004499B	09-JULY-2009
HORN ANTENNA	SCHWARZBECK	BBHA9120D	9120D-692	29-JULY-2009
PREAMPLIFIER	SCHWARZBECK	BBV9718	9718-152	22-JULY-2009
COAXIAL CABLE 1-18GHz	SUHNER	N/A	N/A	23-JULY-2009
SPECTRUM ANALYZER	ADVANTEST	R3127	111000909	02-DEC-2009

Conducted Emission

EQUIPMENT	MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATION DUE
EMI TEST RECEIVER	R&S	ESCS30	830986/030	18-SEP-2009
LISN	R&S	ENV216	100024	25-MAR-2010

Remarks:-
N/A : Not Applicable or Not Available

The measurement instrumentation uncertainty would be taking into consideration on each of the test result

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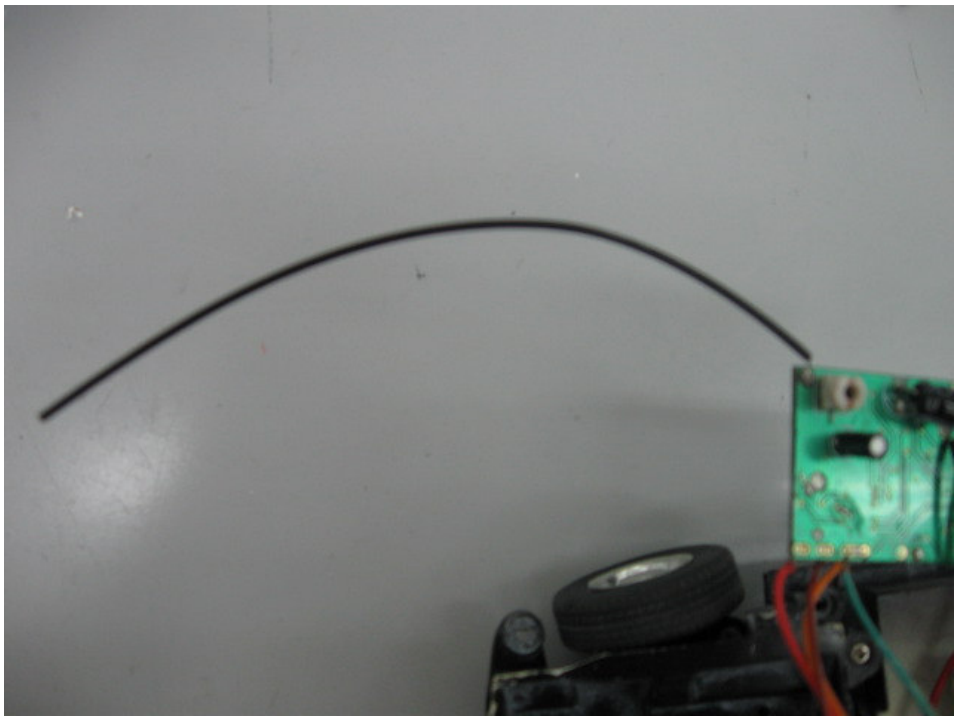
Equipment Under Test [EUT]
Description of Sample:

Model Name:	1:18 STREET MUSCLE – FORD MUSTANG / FORD F100
Model Number:	60014, 60015, 60000, 60013 (60014 was chosen to test. All the models within in report are series and only different in the carton packaging and the artwork over the enclosure.)
Rating:	7.5Vd.c ("AA" size battery x 5)

Description of EUT Operation:
The Equipment Under Test (EUT) is a PLAYMIND LTD of Radio Control toy. The EUT is superregenerative receiver and operating at 49.861MHz.

Antenna Requirement (Section 15.203)
The EUT is use of a permanently antenna. The antenna consists of 12.5cm long signal wire. It is soldered on the PCB. The antenna is not replaceable or user serviceable. The requirement of S15.203 are met. There are no deviations or exceptions to the specifications.

Photo of Antenna



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TEST REPORT N°: BVCK09AP188MTHS

Radiated Emissions (30MHz – 1GHz)

Test Requirement: FCC Part 15 Section 15.109

Test Method: ANSI C63.4 (12.1.1.1)

Test Date(s): 2009-04-16

Mode of Operation: Receiver mode

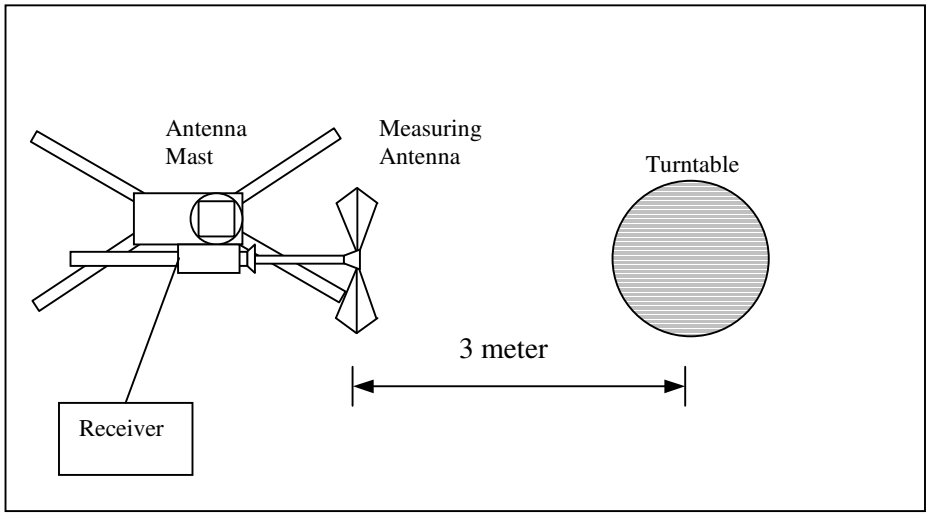
Test Procedure:

Radiated emissions measurements are investigated and taken pursuant to the procedures of ANSI C63.4 – 2003.

The equipment under test (EUT) was placed on a non-conductive turntable with dimensions of 1.5m x 1m and 0.8m high above the ground. 3m from the EUT, a broadband antenna mounting on the mast received the signal strength. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, For battery operated equipment, the equipment tests shall be perform using new battery. The turntable was rotated to maximize the emission level. The antenna was then moving along the mast from 1m up to 4m until no more higher value was found. Both horizontal and vertical polarization of the antenna were placed and investigated.

For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1m above the ground.

Test Setup: Open Area Test Site



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Limits for Radiated Emissions [FCC 47 CFR 15.109]:

Frequency Range [MHz]	Quasi-Peak Limits [µV/m]
30-88	100
88-216	150
216-960	200
Above960	500

Measurement Data

Test Result of (Receiver mode): PASS

Detection mode: Quasi-Peak

Frequency (MHz)	Polarity (H/V)	Antenna Factor and Cable Loss (dB/m)	Field Strength at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
149.52	V	14.8	21.0	43.5	-22.5
158.48	H	14.8	20.9	43.5	-22.6
163.48	H	14.8	20.8	43.5	-22.7
270.32	H	19.3	25.6	46.0	-20.4
313.96	V	21.7	27.9	46.0	-18.1
373.60	H	24.3	30.4	46.0	-15.6

Note: Field Strength includes Antenna Factor and Cable Loss.

During the test shall be used to radiate an unmodulated CW signal to a superregenerative receiver at its operating frequency in order to" cohere" or to resolve the individual components of the characteristic broadband emissions from such a receiver. The level of the signal may need to be increased for this to occur.

Receiver setting: RBW = 120KHz
VBW = 120KHz

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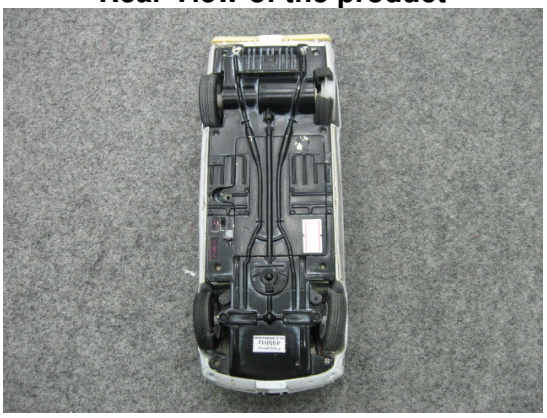
Photographs of EUT

Front View of the product

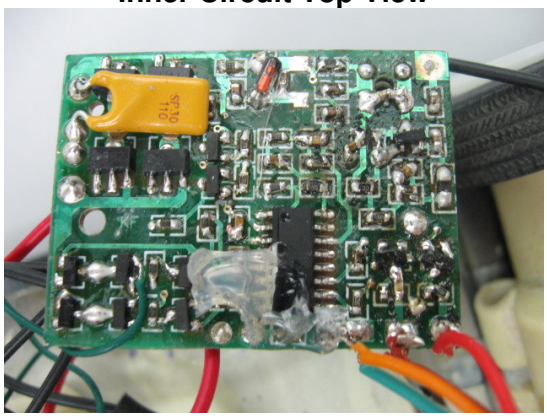
Rear View of the product



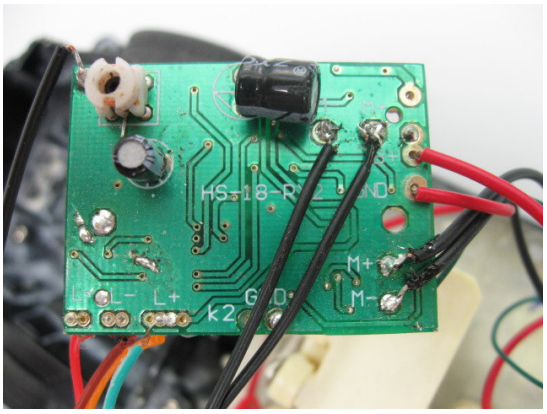
Front View of the product

Rear View of the product

Inner Circuit Top View



Inner Circuit Bottom View



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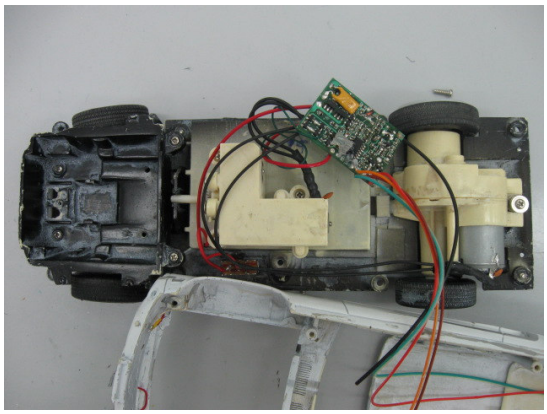
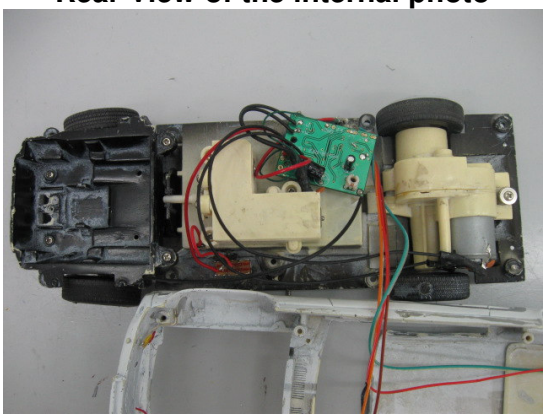
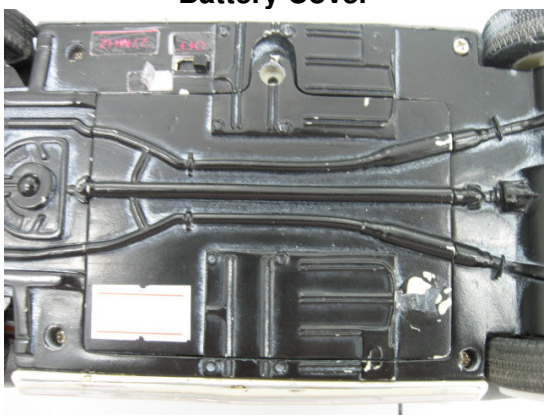
Front View of the internal Photo



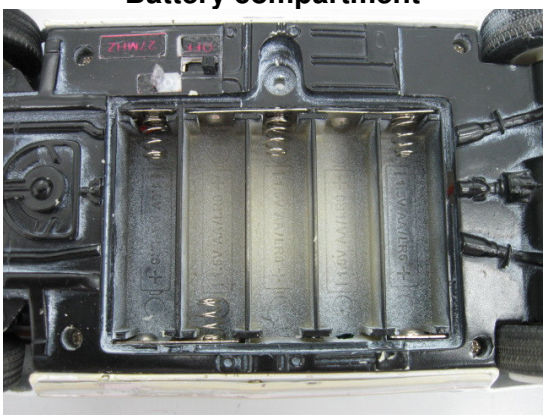
Rear View of the internal photo



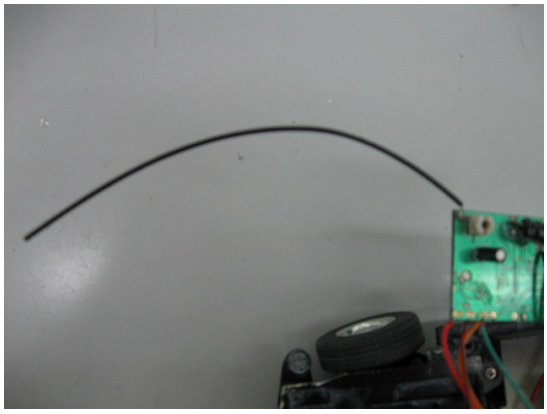
Battery Cover



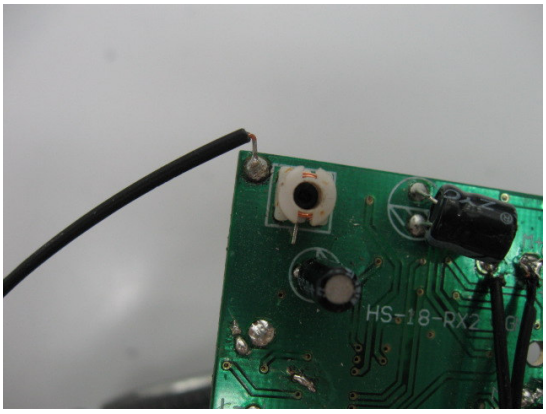
Battery compartment



Antenna



Connector of Antenna



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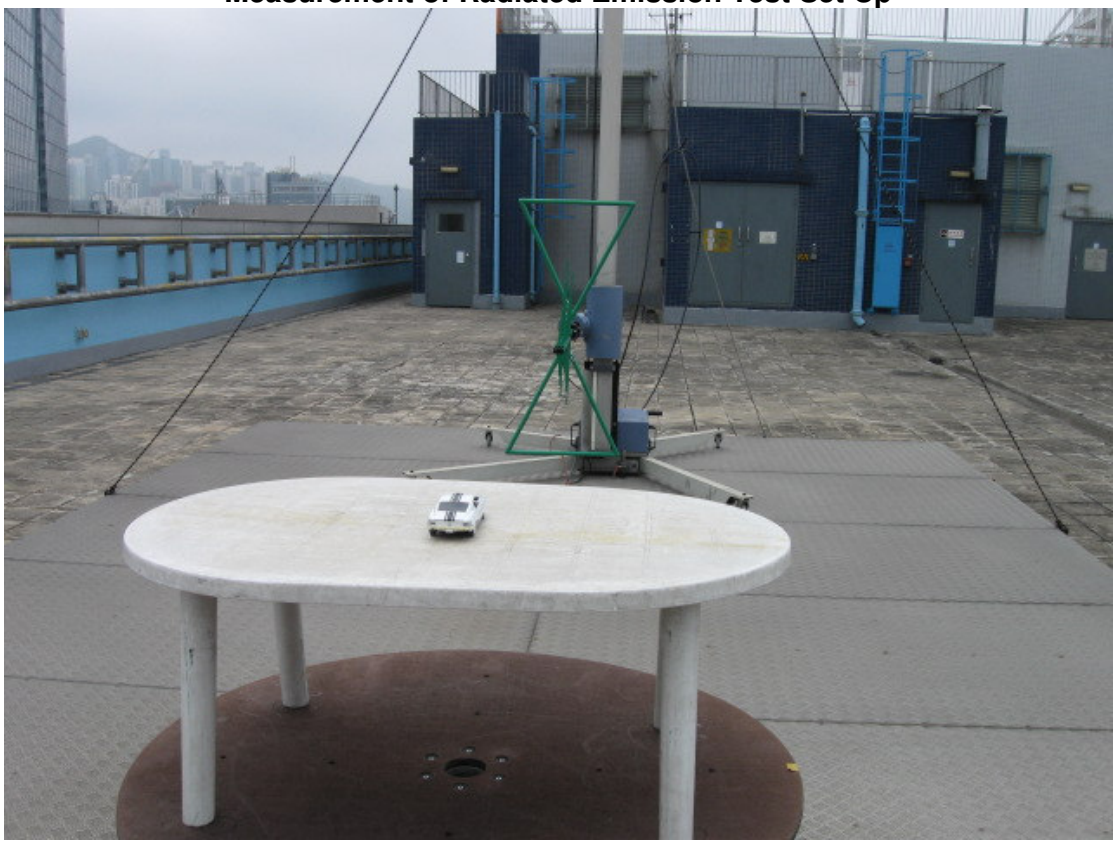
Measurement of Radiated Emission Test Set Up



******* End of Report *******

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