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Report No.: SZEMO11040144702
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FCC Test Report

Application No.: SZEMO110401447RF
Applicant: Fujian Amison Photoelectricity CO. LTD
Address of Applicant: Kada Industrial Zone Development Zone Zhaoan County Zhang zhou City
Fujian Province P.R. China
FCC ID: ZDP49R1101
Equipment Under Test (EUT):
EUT Name: Toy-R/C Monster V-Blk Wheel
Model No.: 1641331
Operation Frequency: 49.860MHz
Standards: FCC PART 15, SUBPART B: 2009
Date of Receipt: 2011-04-01
Date of Test: 2011-04-06 to 2011-04-11
Date of Issue: 2011-04-13

Test Result :	PASS*
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* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Jack Zhang
EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

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2 Test Summary

Test	Test Requirement	Test Method	Class / Severity	Result
Radiated Emission	FCC PART 15, SUBPART B: 2009	ANSI C63.4:2009	Class B	PASS



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4 General Information

4.1 Details of E.U.T.

Power supply: 6.0V DC (1.5V x 4 "AA" Size Batteries)

4.2 Description of Support Units

The EUT has been tested as an independent unit.

4.3 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch E&E Lab,

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.



4.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS (No. CNAS L2929)**
CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.
- **VCCI**
The 3m Semi-anechoic chamber and Shielded Room (7.5m x 4.0m x 3.0m) of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-2197 and C-2383 respectively.
Date of Registration: September 29, 2008. Valid until September 28, 2011.
- **FCC – Registration No.: 556682**
SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 556682, June 27, 2008.
- **Industry Canada (IC)**
The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1.

4.5 Climatic Conditions

Temperature: 25 °C Humidity: 50 % RH Atmospheric Pressure: 1015 mbar

4.6 Deviation from Standards

None.

4.7 Abnormalities from Standard Conditions

None.

5 Equipments Used during Test

RE in Chamber						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	2010-06-17	2011-06-17
2	EMI Test Receiver	Rohde & Schwarz	ESIB26	SEL0023	2011-03-11	2012-03-11
3	EMI Test software	AUDIX	E3	SEL0050	N/A	N/A
4	Coaxial cable	SGS	N/A	SEL0028	2008-06-18	2011-06-18
5	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0015	2010-11-09	2011-11-09
6	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	2010-06-02	2011-06-02
7	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEL0006	2010-11-09	2011-11-09
8	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEL0076	2010-11-09	2011-11-09
9	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	SEL0080	2010-06-04	2011-06-04
10	Band filter	Amindeon	Asi 3314	SEL0094	2010-06-02	2011-06-02
11	Active Loop Antenna	Beijing Daze	ZN30900A	SEL0097	2010-11-09	2011-11-09

General used equipment						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
1	Humidity/ Temperature Indicator	Shanghai	ZJ1-2B	SEL0102 to SEL0103	2010-11-04	2011-11-04
2	Humidity/ Temperature Indicator	Shanghai	ZJ1-2B	SEL0101	2011-03-10	2012-03-10
3	Barometer	ChangChun	DYM3	SEL0088	2010-06-08	2011-06-08



6 Emission Test Results

6.1 Radiated Emissions, 30MHz to 1GHz

Test Requirement:	FCC Part15 B
Test Method:	ANSI C63.4
Frequency Range:	30MHz to 1GHz
Measurement Distance:	3m
Class:	Class B
Limit:	40.0 dB μ V/m between 30MHz & 88MHz 43.5 dB μ V/m between 88MHz & 216MHz 46.0 dB μ V/m between 216MHz & 960MHz 54.0 dB μ V/m between 960MHz & 1000MHz
Detector:	Peak for pre-scan (120kHz resolution bandwidth) Quasi-Peak if maximised peak within 6dB of limit

6.1.1 E.U.T. Operation

EUT Operation: Test the EUT in Receiving (RX ON) mode, Keep the EUT in receiving mode.

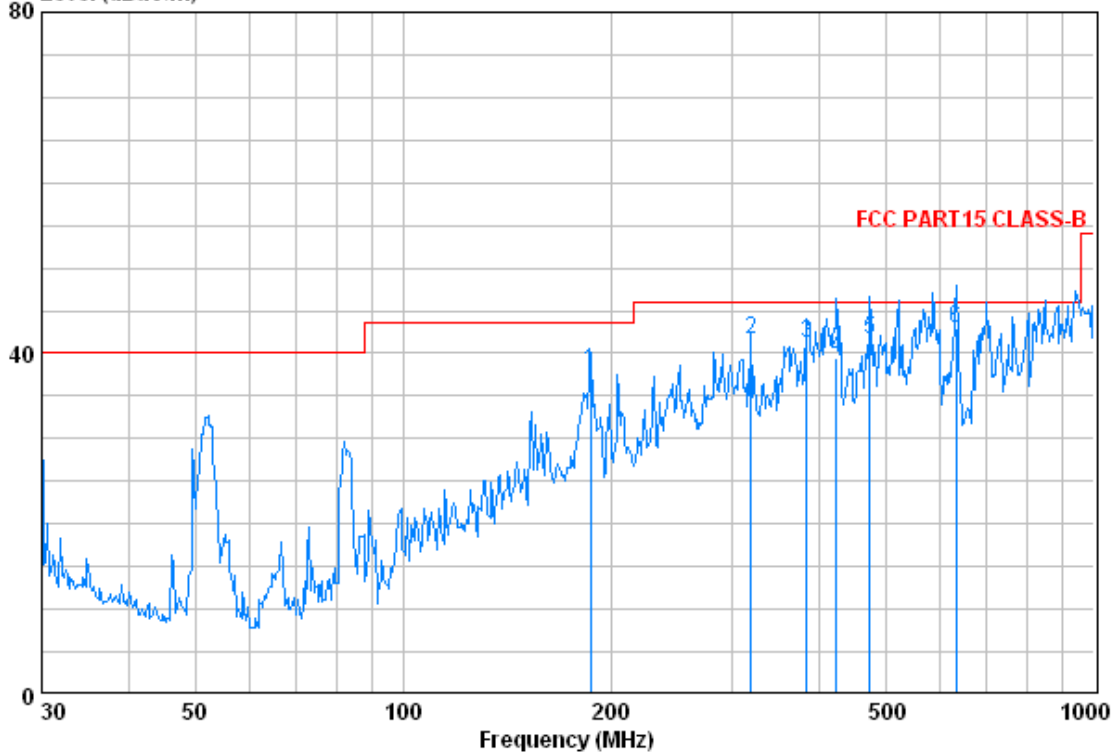
6.1.2 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.



Vertical:

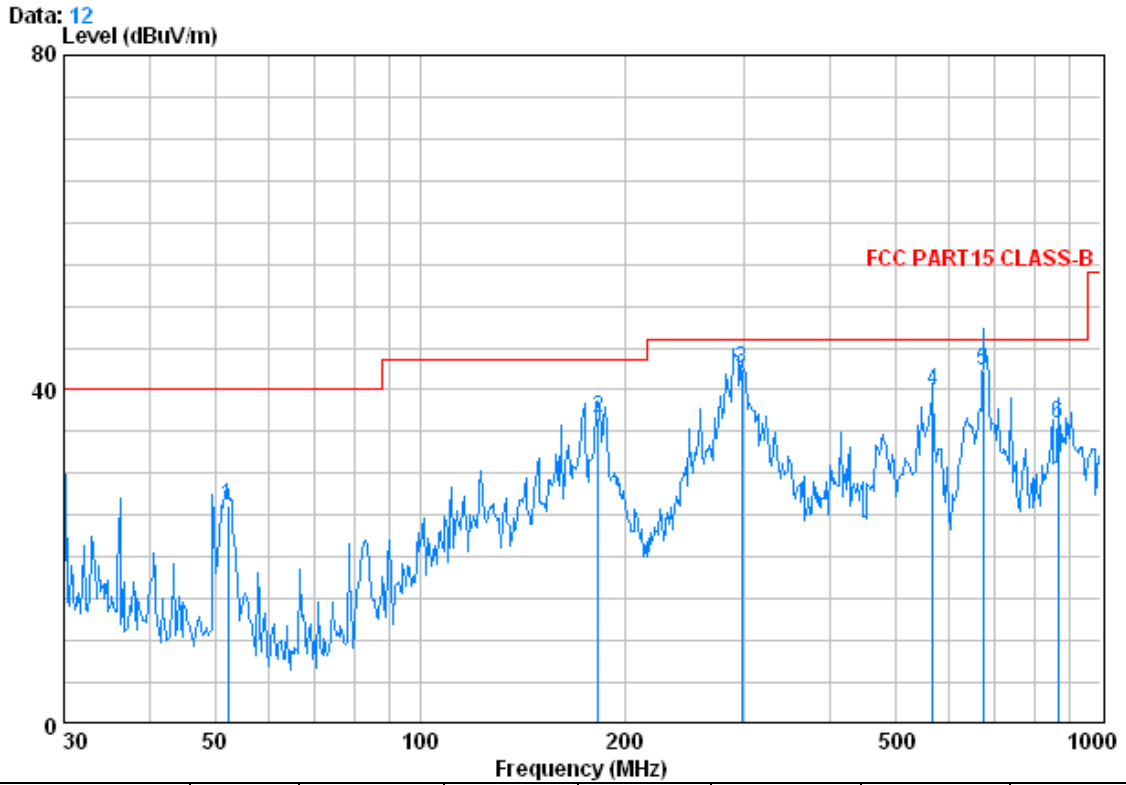
Data: 13
Level (dBuV/m)



Frequency of Emission (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBμV)	Quasi-Peak Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)
187.096	1.38	10.05	26.75	53.34	38.02	43.50	-5.48
318.817	1.96	14.59	26.54	51.59	41.60	46.00	-4.40
383.932	2.16	16.10	27.03	49.87	41.10	46.00	-4.90
423.540	2.30	16.39	27.27	48.09	39.51	46.00	-6.49
473.835	2.50	17.80	27.58	48.96	41.68	46.00	-4.32
631.688	2.77	20.52	27.50	47.19	42.98	46.00	-3.02



Horizontal:



Frequency of Emission (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBμV)	Quasi-Peak Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)
52.208	0.80	8.18	27.28	44.47	26.17	40.00	-13.83
182.559	1.37	9.95	26.77	52.12	36.67	43.50	-6.83
297.224	1.89	13.76	26.41	53.30	42.54	46.00	-3.46
566.622	2.67	19.03	27.59	45.68	39.79	46.00	-6.21
672.845	2.85	21.40	27.45	45.43	42.23	46.00	-3.77
866.088	3.47	22.77	26.96	36.79	36.07	46.00	-9.93