



EMC VERIFICATION SUMMARY

Report No.: SZHH01091809-001

Toy

ITE

Others

Model: BL-41902 Additional models: BL-42702, BL-42900, BL-42902, BL-42923, BL-30510, BL-30512, BL-30523, BL-41900, BL-41923, BL-42240, BL-42241, BL-93220, BL-93221, BL-93228, BL-42700, BL-42723, BL-42242 Product Description: LUXE	Applicant: DONGGUAN LIYANG TOYS LTD. Floor 3, Building 2, Daxingwei Industry Xianxi, Wusha, Changan Town, Dongguan City, Guangdong Province Sample Receipt Date: 13 September 2016 Test Conducted Date: 13 September 2016 to 26 September 2016		
<input checked="" type="checkbox"/> 1st TEST <input type="checkbox"/> 2nd TEST	ALL TESTS WERE CONDUCTED IN ACCORDANCE WITH: *EN 55014-1: 2006 + A1: 2009 + A2: 2011 *EN 55014-2: 1997 + A1: 2001 + A2: 2008		
Test Site and Location:	Intertek Testing Services Shenzhen Ltd. Kejiyuan Branch 6/F., Block D, Huahan Building, Langshan Road, Nanshan District, Shenzhen, China		
Test Result	OK	Not OK	Remark (See Page 2)
*EN 55014-1: 2006 + A1: 2009 + A2: 2011	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
*EN 55014-2: 1997 + A1: 2001 + A2: 2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
When determining the test conclusion, the Measurement Uncertainty of test has been considered.			

Prepared and Checked By:

Approved By:

Sign On File
Vanessa Deng
Assistant Engineer
Intertek

Jimmy Wen
Assistant Supervisor
Intertek
Date: 26 September 2016

- This summary is part of the full report and should be read in conjunction with it.
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- The test report only allows to be revised only within the report defined retention period unless further standard or the requirement was noticed

EMC Results Conclusion (with Justification)

RE: EMC Testing Pursuant to EMC Directive 2014/30/EU Performed On the LUXE,
Model: BL-41902

We tested the LUXE, Model: BL-41902 to determine if it was in compliance with the relevant EN standards as marked on the EMC Verification Summary. We found that the unit met the requirement of EN 55014-1, EN55014-2 standards when tested as received.

The Models: BL-42702, BL-42900, BL-42902, BL-42923, BL-30510, BL-30512, BL-30523, BL-41900, BL-41923, BL-42240, BL-42241, BL-93220, BL-93221, BL-93228, BL-42700, BL-42723, BL-42242 are the same as the Model: BL-41902 in hardware aspect. The difference in model number serves as marketing strategy.

The production units are required to conform to the initial sample as received when the units are placed on the market.

Remark; Standards against which no testing has been conducted of the captioned model and the engineering judgement is stated as follows:

EN 55014-2: 1997 + A1: 2001 + A2: 2008

This product not contains electronic control circuitry. It is classified to Category I of the standard and therefore deemed to fulfil the relevant immunity requirements without testing.

LABORATORY MEASUREMENTS**Configuration Information**

Equipment Under Test (EUT):	LUXE
Model:	BL-41902
Serial No.:	Not Labelled
Support Equipment:	N/A
Cables & Others:	N/A
Adapter:	N/A
Rating Voltage:	DC 1.5V (1 x 1.5V AA Battery)



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Applicant: DONGGUAN LIYANG TOYS LTD.
Model: BL-41902
Worst Case Operating Mode: Motor

EN 55014-1 Radiated Scan

Used Test Equipment

Equipment No.	Equipment	Manufacturer	Model No.	Cal. Date	Due Date
SZ185-01	EMI Receiver	R & S	ESCI	23-Jan-16	23-Jan-17
SZ061-12	Biconilog Antenna	ETS	3142E	9-Sep-16	9-Sep-17
SZ188-01	Anechoic Chamber	ETS	RFD-F/A-100	16-Apr-16	16-Apr-18

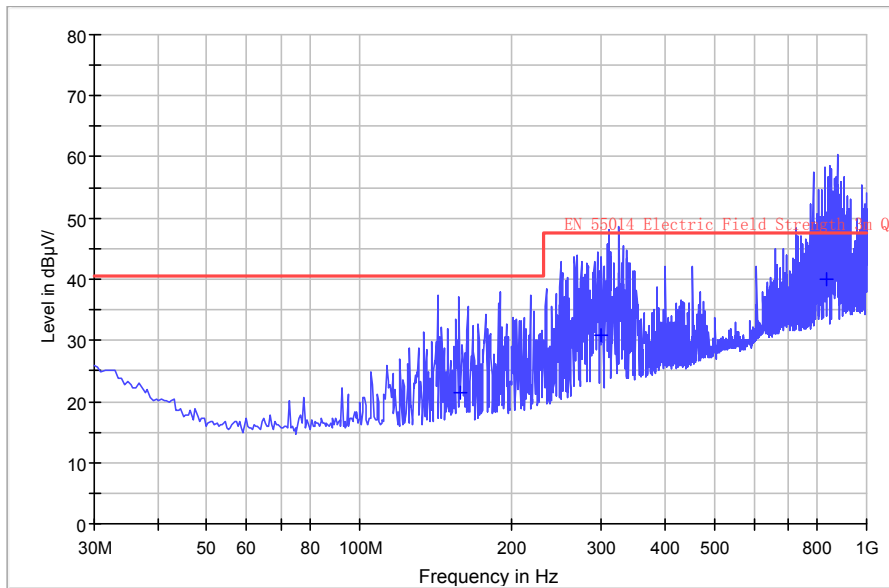
- Notes:
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30MHz to 1000MHz.
 4. Only emissions significantly above equipment noise floor are reported.
 5. Uncertainty: ± 4.8 dB at a level of confidence of 95%.

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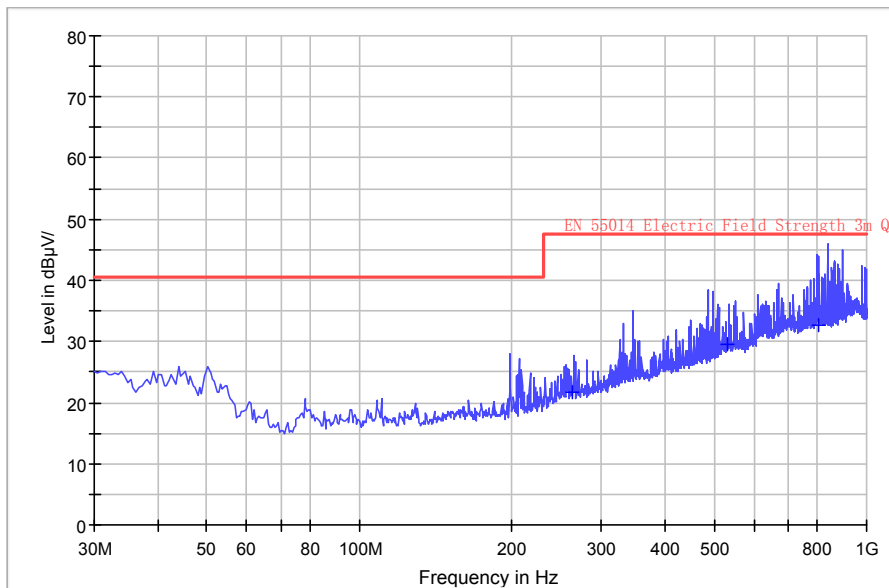
Graphic

Radiated Emissions Pursuant to EN55014-1: Emissions Requirement

Horizontal



Vertical



Applicant: DONGGUAN LIYANG TOYS LTD.
Model: BL-41902
Worst Case Operating Mode: Motor

Data Table

Radiated Emissions Pursuant to EN55014-1: Emissions Requirement

Polarization	Frequency (MHz)	Net at 3m (dB μ V/m)	Calculated Net at 10m (dB μ V/m)	Limit at 10m (dB μ V/m)	Margin (dB)
H	158.525	21.4	10.9	30.0	-19.1
H	300.145	30.9	20.4	37.0	-16.6
H	831.705	40.1	29.6	37.0	-7.4
V	262.315	21.8	11.3	37.0	-25.7
V	532.460	29.6	19.1	37.0	-17.9
V	803.575	32.8	22.3	37.0	-14.7

No emissions significantly above equipment noise floor.

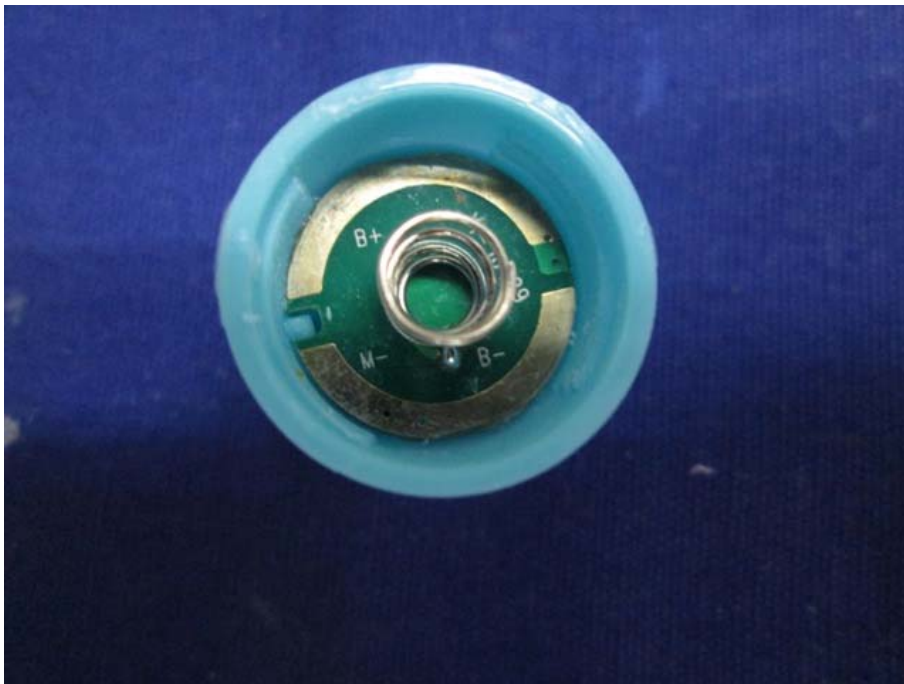
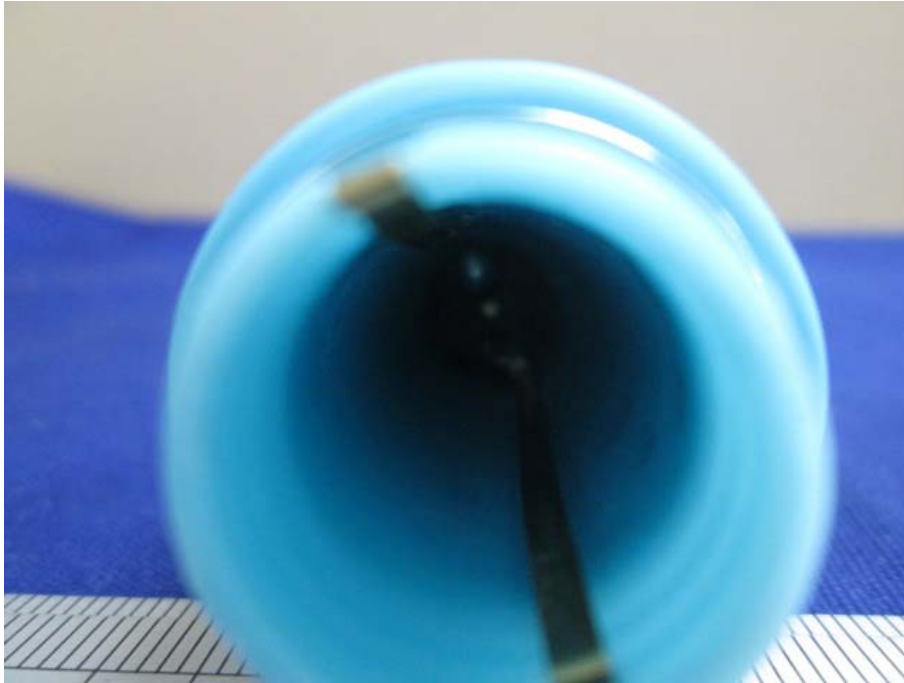
Applicant: DONGGUAN LIYANG TOYS LTD.
Model: BL-41902

External Photo



Applicant: DONGGUAN LIYANG TOYS LTD.
Model: BL-41902

Internal Photo



Applicant: DONGGUAN LIYANG TOYS LTD.
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Internal Photo



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