



EMC VERIFICATION SUMMARY

Report No.: SZHH01091833-001S1

Toy

ITE

Others

Model: BL-77600 Additional models: BL-75601, BL-75619, BL-77619, BL-71922, BL-71919, BL-76601, BL-76622, BL-77601, BL-77622, BL-75622, BL-75600, BL-71901, BL-71900, BL-76600, BL-76619, BL-78601, BL-78622, BL-78619, BL-78600 Product Description: ARIA	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.			

Remark: This report base on the previous report with report No. SZHH01091833-001 dated 26 September 2016. Only add models No., don't test after engineer evaluate.

Prepared and Checked By:

Approved By:

Sign On File

**Tom Li
Engineer
Intertek**

**Jimmy Wen
Assistant Supervisor
Intertek**

Date: 17 January 2017

- This summary is part of the full report and should be read in conjunction with it.
- This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to copy or distribute this report. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
- 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 ARIA,
Model: BL-77600

We tested the ARIA, Model: BL-77600 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-75601, BL-75619, BL-77619, BL-71922, BL-71919, BL-76601, BL-76622, BL-77601, BL-77622, BL-75622, BL-75600, BL-71901, BL-71900, BL-76600, BL-76619, BL-78601, BL-78622, BL-78619, BL-78600 are the same as the Model: BL-77600 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):	ARIA
Model:	BL-77600
Serial No.:	Not Labelled
Support Equipment:	N/A
Cables & Others:	N/A
Adapter:	N/A
Rating Voltage:	DC 3.0V (2 x 1.5V AAA Batteries)



Report No.: SZHH01091833-001S1

Applicant: DONGGUAN LIYANG TOYS LTD.

Model: BL-77600

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

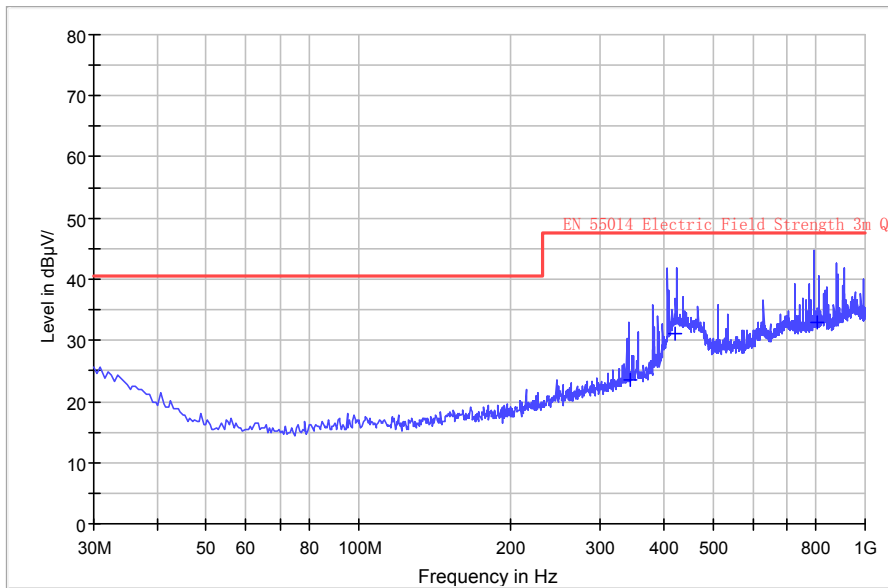
- Notes:
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30MHz to 1000MHz.
 4. Only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

Applicant: DONGGUAN LIYANG TOYS LTD.
Model: BL-77600
Worst Case Operating Mode: Motor

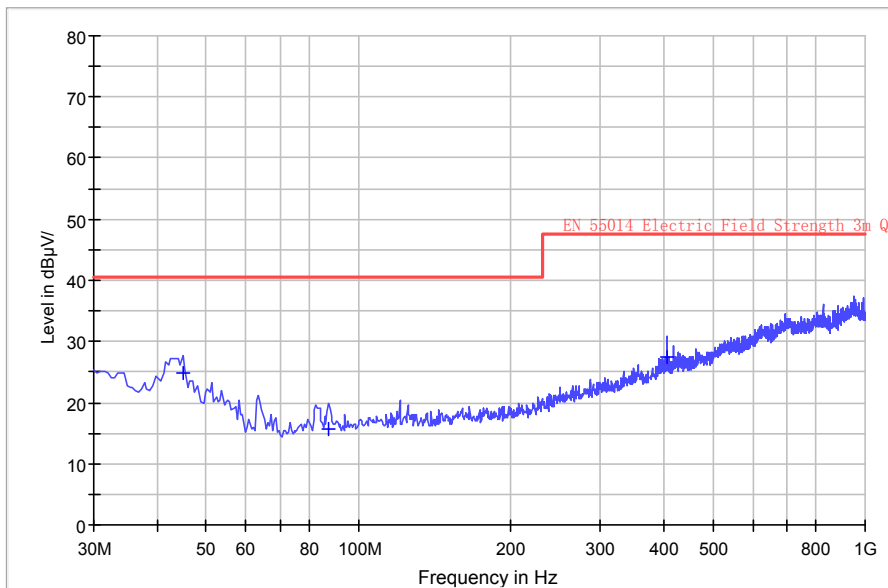
Graphic

Radiated Emissions Pursuant to EN55014-1: Emissions Requirement

Horizontal



Vertical



Applicant: DONGGUAN LIYANG TOYS LTD.
Model: BL-77600
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	342.825	23.6	13.1	37.0	-23.9
H	422.880	31.2	20.7	37.0	-16.3
H	806.000	32.9	22.4	37.0	-14.6
V	45.035	24.9	14.4	30.0	-15.6
V	87.230	15.6	5.1	30.0	-24.9
V	405.875	27.4	16.9	37.0	-20.1

No emissions significantly above equipment noise floor.

Applicant: DONGGUAN LIYANG TOYS LTD.
Model: BL-77600

External Photo



Internal Photo



--- END ---