



EMC VERIFICATION SUMMARY

Report No.: SZHH01091832-001

Toy

ITE

Others

| | | | |
|--|-------------------------------------|---|-------------------------------------|
| Model: BL-10070 Additional Models: BL-10071, BL-10030, BL-10031, BL-10090, BL-10091, BL-10120, BL-10121, BL-11310, BL-11311, BL-11312, BL-11320, BL-11321, BL-11322, BL-11350, BL-11351, BL-11352, BL-11380, BL-11381, BL-11382, BL-16489, BL-15100, BL-05500, BL-05522, BL-05501, BL-05506, BL-05510, BL-37000, BL-37001, BL-05545, BL-24110, BL-24162, BL10500, BL10502, BL-10600, BL-10602 | | Applicant: DONGGUAN LIYANG TOYS LTD Floor 3, Building 2, Daxingwei Industry Xianxi, Wusha, Changan Town, Dongguan City, Guangdong Province | |
| Product Description: B-YOURS | | Sample Receipt Date: 25 January 2017 | |
| <input type="checkbox"/> 1st TEST <input checked="" type="checkbox"/> 2nd TEST | | Test Conducted Date: 25 January 2017 to 13 February 2017 | |
| Test Site and Location: | | ALL TESTS WERE CONDUCTED IN ACCORDANCE WITH: *EN 55014-1: 2006 + A1: 2009 + A2: 2011 *EN 55014-2: 1997 + A1: 2001 + A2: 2008 | |
| Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room102/104, No 203, KeZhu Road, Science City, GETDD Guangzhou, 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
Tom Li
Engineer
Intertek

Jimmy Wen
Assistant Supervisor
Intertek
Date: 13 February 2017

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EMC Results Conclusion (with Justification)

RE: EMC Testing Pursuant to EMC Directive 2014/30/EU Performed On the B-YOURS,
Model: BL-10070.

We tested the B-YOURS, Model: BL-10070. 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 after modified.

The Models: BL-10071, BL-10030, BL-10031, BL-10090, BL-10091, BL-10120, BL-10121, BL-11310, BL-11311, BL-11312, BL-11320, BL-11321, BL-11322, BL-11350, BL-11351, BL-11352, BL-11380, BL-11381, BL-11382, BL-16489, BL-15100, BL-05500, BL-05522, BL-05501, BL-05506, BL-05510, BL-37000, BL-37001, BL-05545, BL-24110, BL-24162, BL10500, BL10502, BL-10600, BL-10602 are the same as the Model: BL-10070 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): | B-YOURS |
| Model: | BL-10070 |
| Serial No.: | Not Labelled |
| Support Equipment: | N/A |
| Cables & Others: | N/A |
| Adapter: | N/A |
| Rating Voltage: | DC 3.0V (2 x 1.5V AA batteries) |

Applicant: DONGGUAN LIYANG TOYS LTD
Model: BL-10070
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 | 20-Jan-17 | 20-Jan-18 |
| SZ061-12 | Biconilog Antenna | ETS | 3142E | 09-Sep-16 | 09-Sep-17 |
| SZ188-01 | Anechoic Chamber | ETS | RFD-F/A-100 | 16-Apr-16 | 16-Apr-18 |

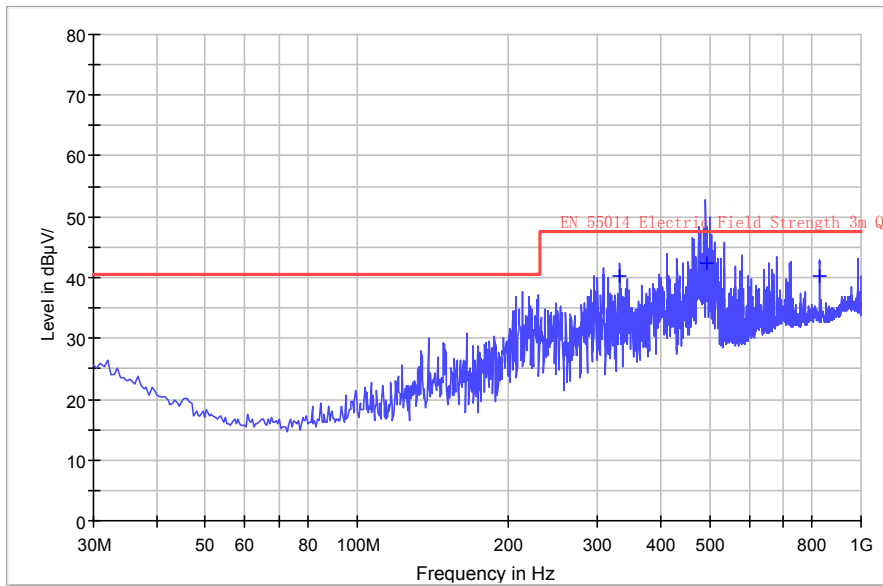
- Notes:
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
 2. Negative sign (-) in the margin column signify levels below the limit.
 3. Frequency range scanned: 30MHz to 1000MHz.
 4. Only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

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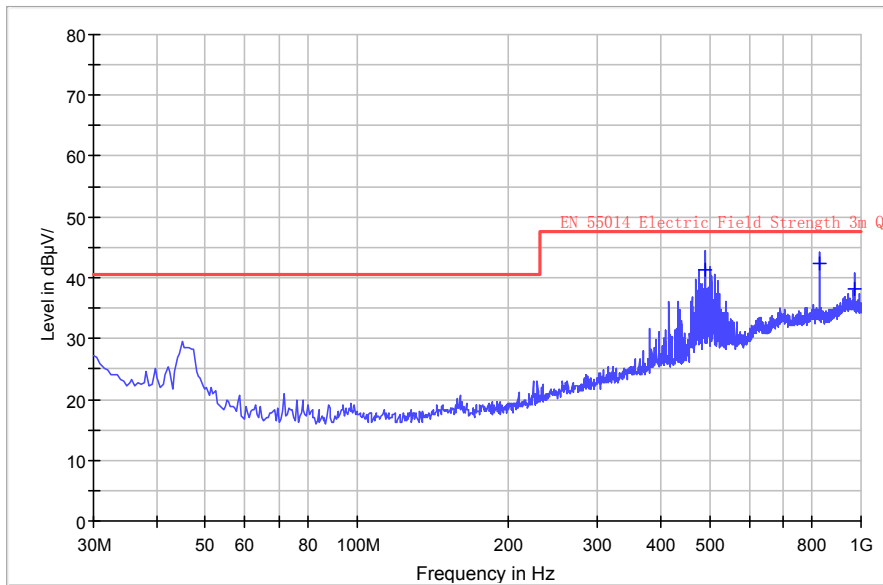
Graphic

Radiated Emissions Pursuant to EN55014-1: Emissions Requirement

Horizontal



Vertical



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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 | 332.640 | 40.4 | 29.9 | 37.0 | -7.1 |
| H | 492.720 | 42.3 | 31.8 | 37.0 | -5.2 |
| H | 827.820 | 40.3 | 29.8 | 37.0 | -7.2 |
| V | 491.220 | 41.1 | 30.6 | 37.0 | -6.4 |
| V | 827.820 | 42.3 | 31.8 | 37.0 | -5.2 |
| V | 969.420 | 38.3 | 27.8 | 37.0 | -9.2 |

No emissions significantly above equipment noise floor.

Applicant: DONGGUAN LIYANG TOYS LTD
Model: BL-10070

External Photo



Applicant: DONGGUAN LIYANG TOYS LTD
Model: BL-10070

Internal Photo



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