

Verification of Conformity

On Behalf Of

TOMY International, Inc.

5 JD RC MT Stunt RUV Gator (Receiver)

Model No.: 35195

FCC ID: BMW-35195-R49

Prepared for : TOMY International, Inc.

Address : Unit 901-7, Tower One, Enterprise Square, 9 Sheung Yuet Road, Kowloon Bay, Kowloon, H.K.

Manufacturer : LUNG CHEONG TOYS LIMITED

Prepared by : DONGGUAN EMTEK CO., LTD.

Address : No.281, Guantai Road, Nancheng District, Dongguan, Guangdong, China

Tel : +86-769-22807078

Fax: +86-769-22807079

Report Number : ED110608036E

Date Code : 1601LC02

Date of Test : August 20, 2013 to August 23, 2013

Date of Report : August 23, 2013

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APPENDIX (Photos of EUT) (3 Pages)

TEST REPORT DESCRIPTION

Applicant : TOMY International, Inc.
EUT : 5 JD RC MT Stunt RUV Gator (Receiver)
Model No. : 35195
Input Rating : DC 4*1.5V Battery

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart B Class B October 2012 & FCC / ANSI C63.4-2009

The device described above is tested by DONGGUAN EMTEK CO., LTD. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart Class B limits both radiated and conducted emissions.

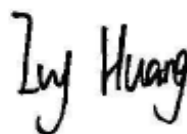
The measurement results are contained in this test report and DONGGUAN EMTEK CO., LTD. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of DONGGUAN EMTEK CO., LTD.

Date of Test :

August 20, 2013 to August 23, 2013

Prepared by :



Ivy Huang/ Editor

Reviewer :



Hong Yang/ Supervisor

Approved & Authorized Signer :



Sam Lv / Manager



Modified History

| Rev. | Summary | Date of Rev. | Report No. |
|------|-----------------|--------------|--------------|
| V1.0 | Original Report | 2013-08-23 | ED110608036E |

1. SUMMARY OF TEST RESULT

| EMISSION | | | |
|--|--|-------------|---------|
| Description of Test Item | Standard | Limits | Results |
| Conducted Disturbance at Mains Terminals | FCC Part15, Subpart B, Class B ANSI C63.4: 2009 | § 15.107(a) | N/A |
| Radiated Disturbance | FCC Part15, Subpart B, Class B ANSI C63.4: 2009 | § 15.109(a) | Pass |
| Note: N/A is an abbreviation for Not Applicable. | | | |

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

| | |
|-------------------------|--|
| EUT | : 5 JD RC MT Stunt RUV Gator (Receiver) |
| Model Number | : 35195 |
| Trade Mark | : Not Provided |
| Power Supply for Test | : DC 4*1.5V Battery |
| Applicant | : TOMY International, Inc. |
| Address | : Unit 901-7, Tower One, Enterprise Square, 9 Sheung Yuet Road, Kowloon Bay, Kowloon, H.K. |
| Date of sample receiver | : August 20, 2013 |
| Date of Test | : August 20, 2013 to August 23, 2013 |

2.2. Test Facility

Site Description

EMC Lab. : Accredited by CNAS, 2012.07.04
The certificate is valid until 2015.07.03
The Laboratory has been assessed and proved to be in compliance with CNAS/CL01: 2006
The Certificate Registration Number is L3150

Accredited by TUV Product Service Group 2012.09.24
The certificate is valid until 2013.09.24
Accredited by TUV Rheinland Shenzhen 2011.05.12
The Laboratory has been assessed according to the requirements ISO/IEC 17025: 2005

Accredited by FCC, Aug. 18, 2011
The Certificate Number is 247565

Accredited by Industry Canada, January 13, 2011
The Certificate Number is 9444A.

Name of Firm : DONGGUAN EMTEK CO., LTD.
Site Location : No.281, Guantai Road, Nancheng District, Dongguan, Guangdong, China.

2.3. Measurement Uncertainty

| Test Item | Uncertainty |
|--|--|
| Conducted Emission Uncertainty | : 2.42dB |
| Radiated Emission Uncertainty (3m Chamber) | : 3.34dB (30M~1GHz Polarize: H) 3.32dB (30M~1GHz Polarize: V) |
| Uncertainty for test site temperature and humidity | : 0.6°C 4% |

3. RADIATED EMISSION MEASUREMENT

3.1. Test Equipment

The following test equipments are used during the radiated emission measurement:

3.1.1. For Anechoic Chamber

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|--------------------------------|-----------------|-----------|------------|--------------|---------------|
| 1. | Test Receiver | Rohde & Schwarz | ESCI | 100137 | May 18, 2013 | 1 Year |
| 2. | Bilog Antenna | Schwarzbeck | VULB9163 | 000141 | May 11, 2013 | 1 Year |
| 3. | Power Amplifier | CDS | RSU-M352 | 818 | May 28, 2013 | 1 Year |
| 4. | Power Amplifier | HP | 8447F | OPT H64 | May 28, 2013 | 1 Year |
| 5. | Color Monitor | SUNSP0 | SP-140A | N/A | May 18, 2013 | 1 Year |
| 6. | Single Line Filter | JIANLI | XL-3 | N/A | May 29, 2013 | 1 Year |
| 7. | Single Phase Power Line Filter | JIANLI | DL-2X100B | N/A | May 29, 2013 | 1 Year |
| 8. | 3 Phase Power Line Filter | JIANLI | DL-4X100B | N/A | May 29, 2013 | 1 Year |
| 9. | DC Power Filter | JIANLI | DL-2X50B | N/A | May 29, 2013 | 1 Year |
| 10. | Cable | Schwarzbeck | PLF-100 | 549489 | May 18, 2013 | 1 Year |
| 11. | Cable | Rosenberger | CIL02 | A0783566 | May 18, 2013 | 1 Year |
| 12. | Cable | Rosenberger | RG 233/U | 525178 | May 18, 2013 | 1 Year |

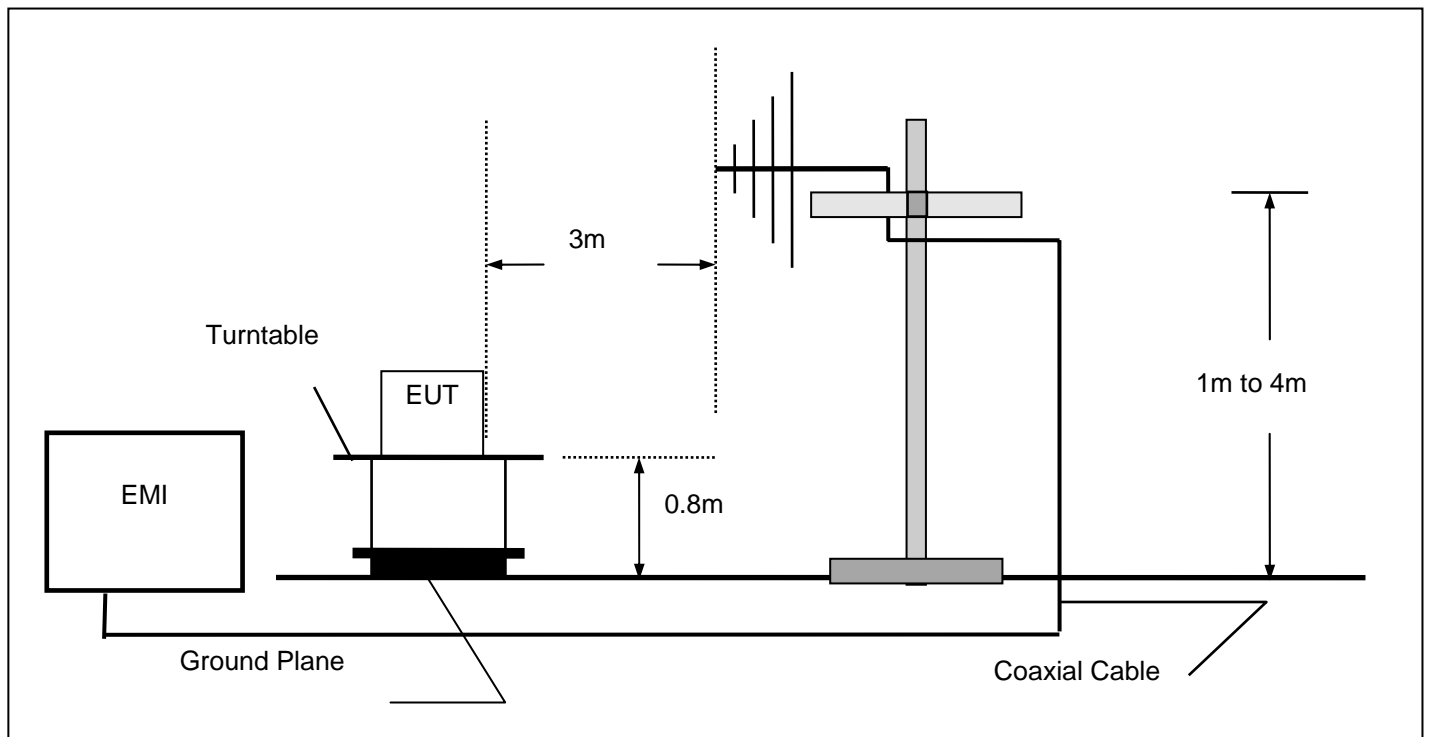
3.2. Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and simulators



(EUT: 5 JD RC MT Stunt RUV Gator (Receiver))

3.2.2. Anechoic Chamber Test Setup Diagram



(EUT: 5 JD RC MT Stunt RUV Gator (Receiver))

3.3. Radiated Emission Limit (Class B)

| FREQUENCY MHz | DISTANCE Meters | FIELD STRENGTHS LIMIT | |
|------------------|--------------------|------------------------|-----------------------------------|
| | | $\mu\text{V}/\text{m}$ | $\text{dB}(\mu\text{V})/\text{m}$ |
| 30 ~ 88 | 3 | 100 | 40.0 |
| 88 ~ 216 | 3 | 150 | 43.5 |
| 216 ~ 960 | 3 | 200 | 46.0 |
| 960 ~ 1000 | 3 | 500 | 54.0 |

Remark: (1) Emission level $(\text{dB})\mu\text{V} = 20 \log \text{Emission level } \mu\text{V}/\text{m}$
 (2) The smaller limit shall apply at the cross point between two frequency bands.
 (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

3.4. EUT Configuration on Measurement

The following equipment is installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

| | |
|---------------|---|
| (EUT) | : 5 JD RC MT Stunt RUV Gator (Receiver) |
| Model Number | : 35195 |
| Serial Number | : N/A |

3.5. Operating Condition of EUT

3.5.1. Setup the EUT as shown in Section 3.2.

3.5.2. Turn on the power of all equipment.

3.5.3. Let the EUT work in test mode (ON) and measure it.

3.6. Test Procedure

EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2009 on radiated emission measurement.

The bandwidth of the EMI test receiver (R&S ESCI) is set at 120KHz.

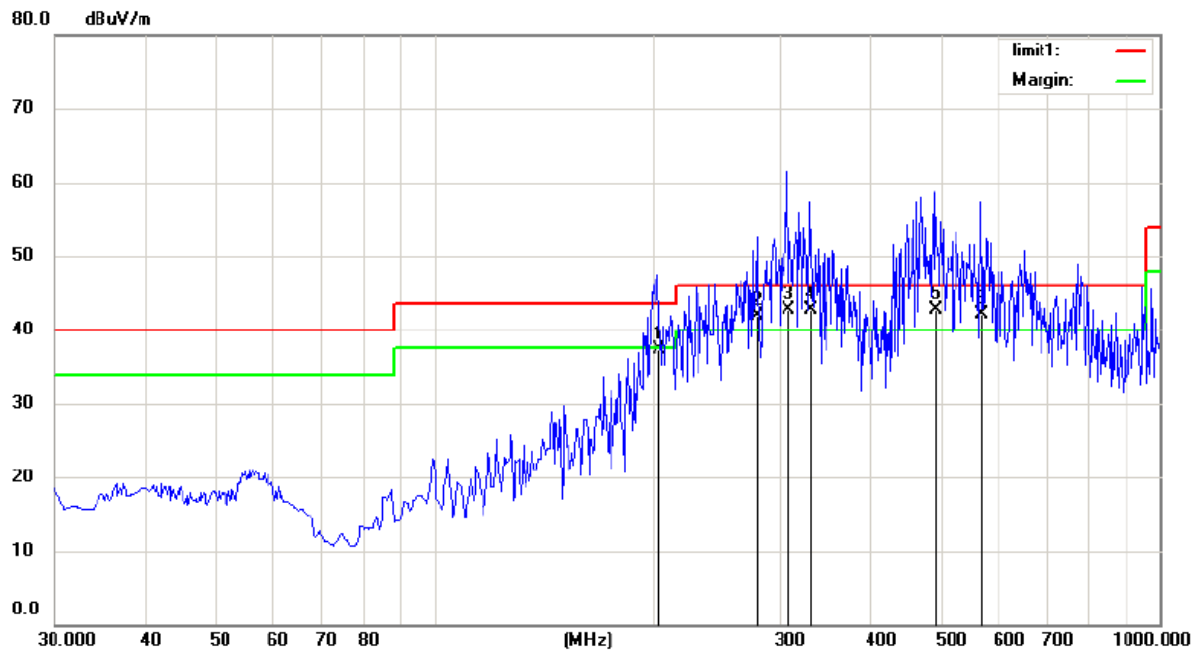
The scanning curves are below a few pages.

3.7. Radiated Emission Measurement Result

PASS.

The frequency range from 30MHz to 1000MHz is investigated.

Please see the attached pages.



Site Chamber #1

Polarization: **Horizontal**

Temperature: 26

Limit: (RE)FCC PART 15 class B 3m

Power: Battery 4*1.5V

Humidity: 55 %

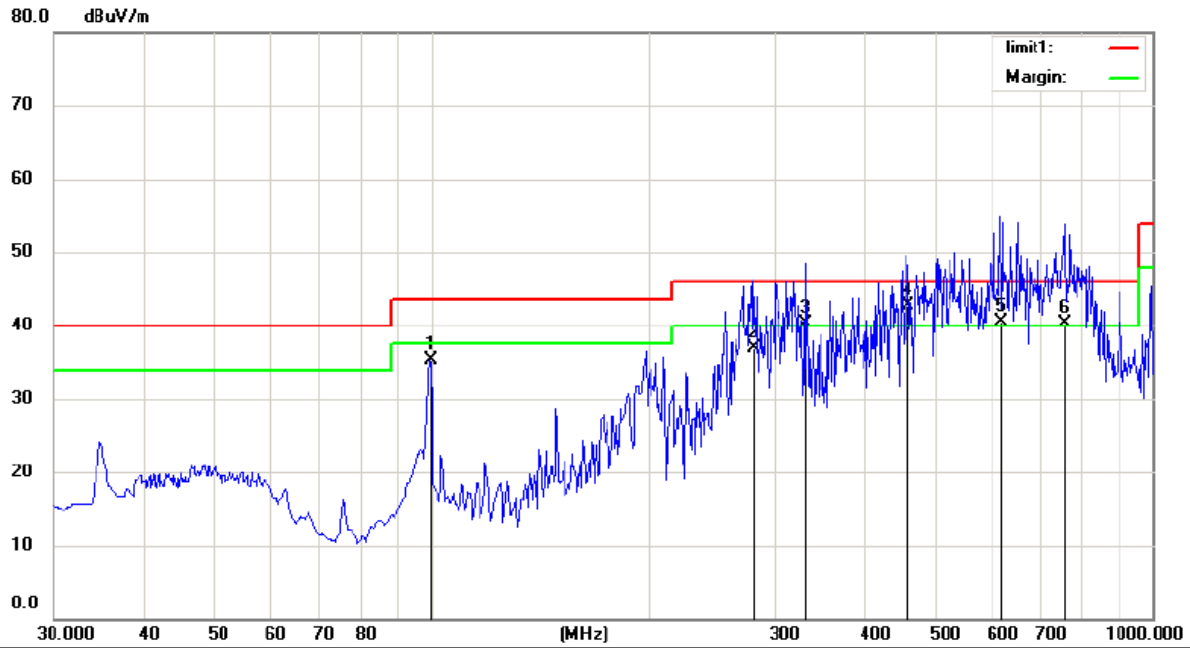
Mode:RX

Note:

| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Over dB | Antenna Height cm | Table Degree | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|-------------------------|-----------------|---------|
| 1 | | 203.6300 | 53.20 | -15.82 | 37.38 | 43.50 | -6.12 | QP | | |
| 2 | ! | 279.2900 | 55.10 | -13.28 | 41.82 | 46.00 | -4.18 | QP | | |
| 3 | ! | 307.4200 | 55.30 | -12.62 | 42.68 | 46.00 | -3.32 | QP | | |
| 4 | ! | 329.7300 | 54.60 | -11.94 | 42.66 | 46.00 | -3.34 | QP | | |
| 5 | * | 491.7200 | 51.10 | -8.30 | 42.80 | 46.00 | -3.20 | QP | | |
| 6 | ! | 567.3800 | 49.10 | -6.94 | 42.16 | 46.00 | -3.84 | QP | | |

*:Maximum data x:Over limit !:over margin

Operator: KYO



Site Chamber #1

Polarization: **Vertical**

Temperature: 26

Limit: (RE)FCC PART 15 class B 3m

Power: Battery 4*1.5V

Humidity: 55 %

Mode:RX

Note:

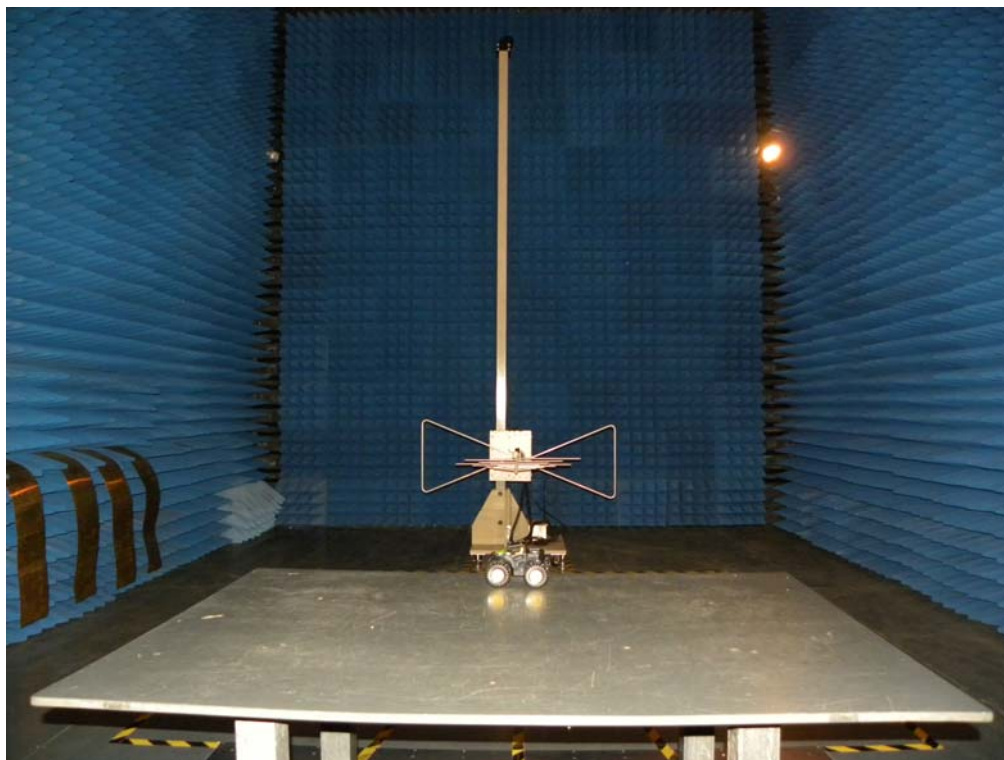
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|----------|---------------|----------------|-------------|--------|-------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | cm | degree | Comment |
| 1 | | 99.8400 | 49.65 | -14.30 | 35.35 | 43.50 | -8.15 | QP | | |
| 2 | | 280.2600 | 50.20 | -13.24 | 36.96 | 46.00 | -9.04 | QP | | |
| 3 | ! | 330.7000 | 52.30 | -11.90 | 40.40 | 46.00 | -5.60 | QP | | |
| 4 | * | 458.7400 | 51.80 | -9.12 | 42.68 | 46.00 | -3.32 | QP | | |
| 5 | ! | 617.8200 | 45.70 | -5.27 | 40.43 | 46.00 | -5.57 | QP | | |
| 6 | ! | 755.5600 | 43.80 | -3.51 | 40.29 | 46.00 | -5.71 | QP | | |

*:Maximum data x:Over limit !:over margin

Operator: KYO

4. PHOTOGRAPH

4.1. Photo of Radiated Measurement



APPENDIX (Photos of EUT)



