FCC PART 15B, CLASS B

TEST REPORT

For

HUSTLER NOVELTIES,LLC

9400 Penfield Ave, Chatsworth, CA 91311, United States

FCC ID: RQ7TE573R

Report Type:	Product Type:
Original Report	BANG BANG BULLET

Test Engineer:	Ares Liu
Report Number:	R2DG130121005-00
Report Date:	2013-01-24
Reviewed By:	Ivan Cao RF Leader
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The HUSTLER NOVELTIES,LLC's product, model number: *TE-573R (FCC ID: RQ7TE573R)* (the "EUT") in this report was a *BANG BANG BULLET*, which was measured approximately: 15.5 cm (L) x 3.5 cm (W) x 3.0 cm (H), rated input voltage: DC3.0V from battery. The highest working frequency is 315MHz.

** All measurement and test data in this report was gathered from production sample serial number: 130121005 (Assigned by BACL.Dongguan). The EUT was received on 2013-01-22.*

Objective

This report is prepared on behalf of *HUSTLER NOVELTIES,LLC* in accordance with Part 2, Subpart J, Part 15, Subparts A and B of the Federal Communication Commissions rules.

The objective of the manufacturer is to determine compliance with FCC Part 15B, Class B.

Related Submittal(s)/Grant(s)

No related submittal(s)/Grant(s).

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China

Test site at Bay Area Compliance Laboratories Corp. (Dongguan) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 02, 2012. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2009.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 273710. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

SYSTEM TEST CONFIGURATION

Justification

The system was configured for testing in a receiving mode .

EUT Exercise Software

No test software.

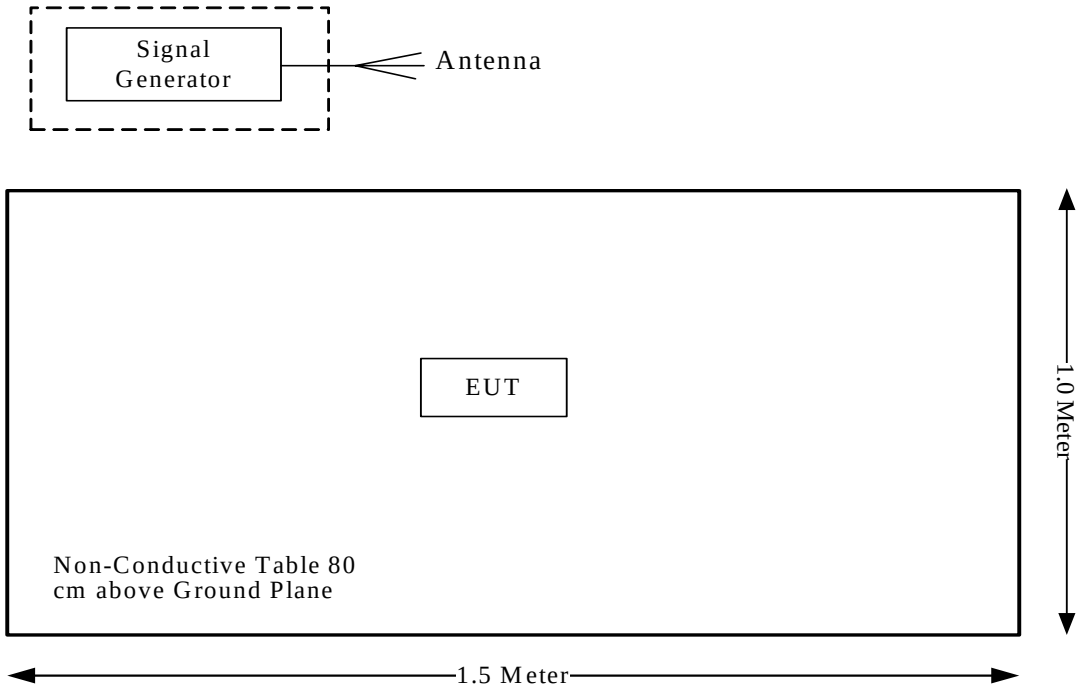
Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
HP	Signal Generator	8648A	3426A00831

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§15.107	AC Line Conducted Emissions	N/A
§15.109	Radiated Emissions	Compliance

*N/A: The EUT is only powered by battery.

FCC §15.109 - RADIATED EMISSIONS

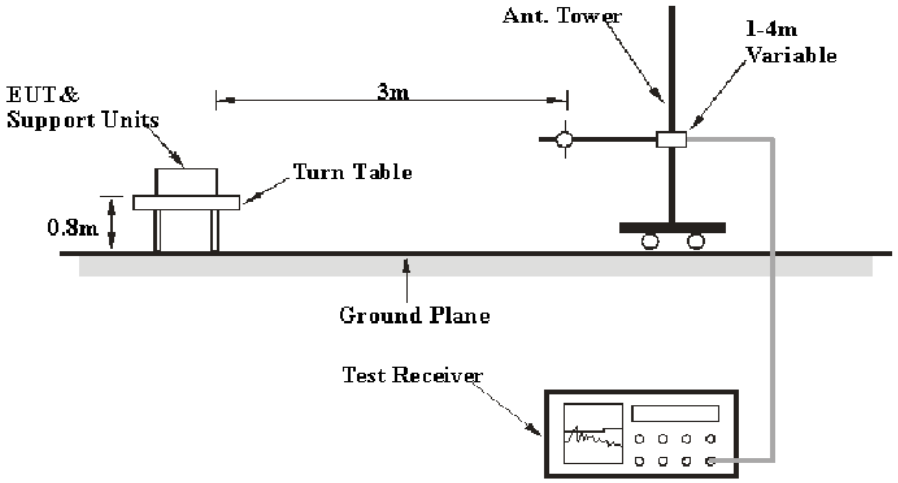
Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

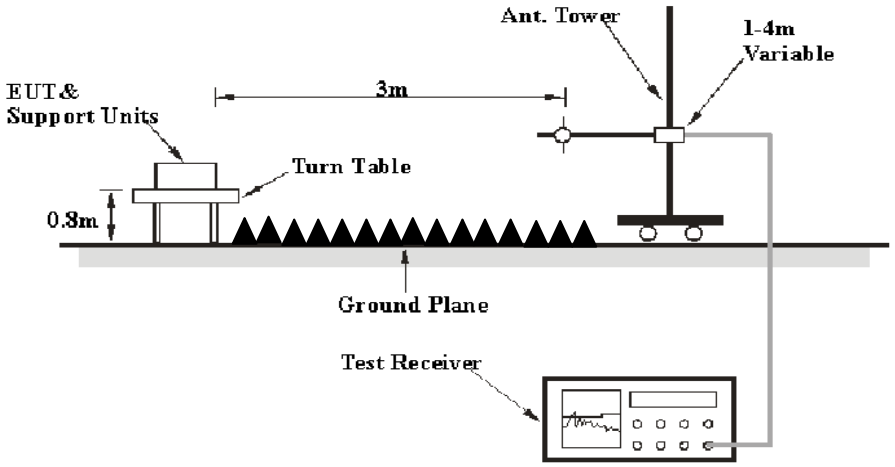
Based on CISPR 16-4-2, measurement uncertainty of radiated emission at a distance of 3m at Bay Area Compliance Laboratories Corp. (Dongguan) is:
30M~200MHz: 5.0 dB
200M~1GHz: 6.2 dB
And the uncertainty will not be taken into consideration for all test data recorded in the report.

EUT Setup

Below 1 GHz:



Above 1 GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2009. The specification used was the FCC Part 15.109, Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

EMI Test Receiver Setup

According to FCC 15.33 requirements, the system was measured from 30 MHz to 2 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

Frequency Range	***RBW***	***Video B/W***	***Detector***
30MHz – 1000 MHz	120 kHz	300 kHz	QP
Above 1 GHz	1MHz	3 MHz	Peak
Above 1 GHz	1MHz	10 Hz	Ave

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz, Peak and average detection mode above 1 GHz.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Loss and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude = Meter Reading + Antenna Loss + Cable Loss - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	EMI Test Receiver	ESCI	100035	2012-05-14	2013-05-13
Sunol Sciences	Hybrid Antennas	JB3	A060611-1	2011-09-06	2013-09-05
HP	Pre-amplifier	8447E	2434A02181	2012-10-08	2013-10-07
R&S	Spectrum Analyzer	FSEM 30	DE31388	2012-03-15	2013-03-14
ETS-LINDGREN	Horn Antenna	3115	000 527 35	2012-09-06	2014-09-05
PICOSECOND	Amplifier	5828	2708	N/A	N/A

Test Results Summary

According to the data in the following table, the EUT complied with the FCC §15.109, Class B, with the worst margin reading of:

12.41 dB at **425.7600 MHz** in the **Horizontal** polarization below 1GHz

Test Data

Environmental Conditions

Temperature:	23.1°C
Relative Humidity:	59 %
ATM Pressure:	101.4kPa

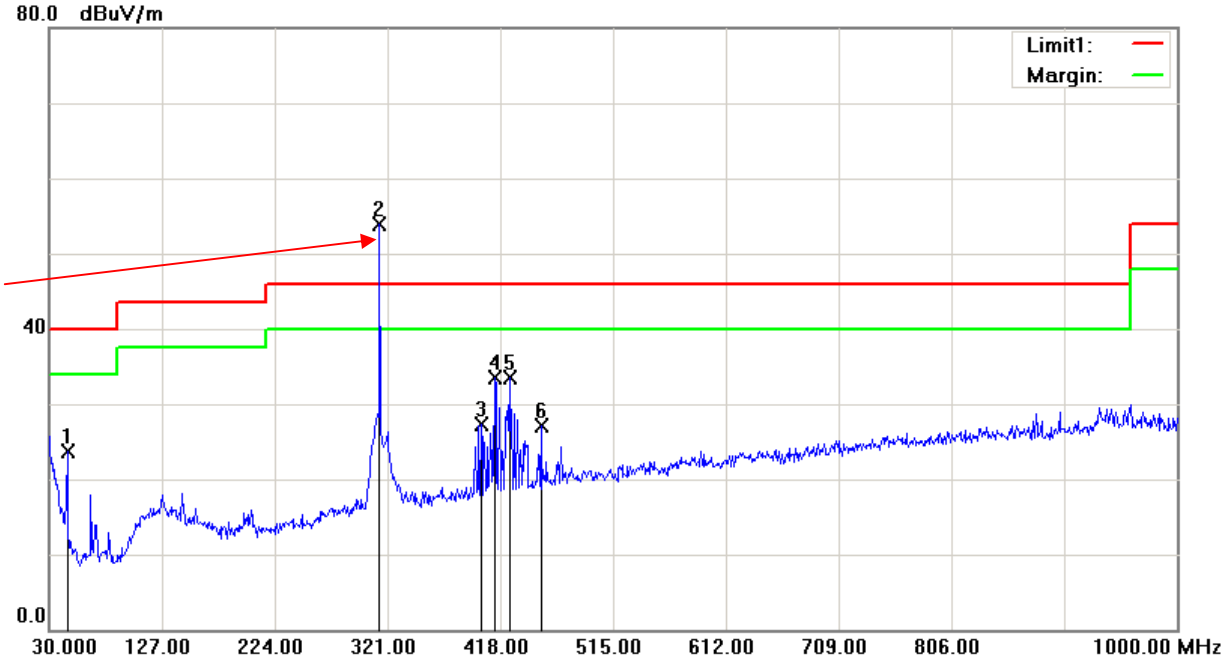
The testing was performed by Ares Liu on 2013-01-23.

Test mode: Receiving

Below 1G:

Horizontal:

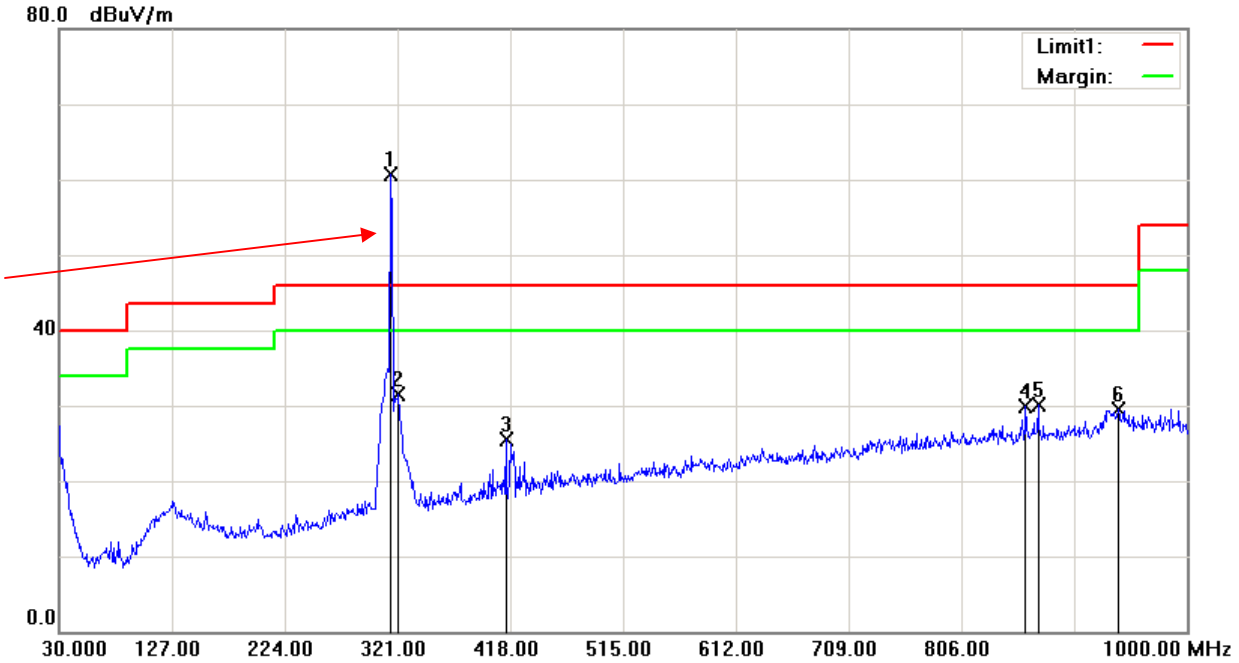
SG signal



Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
314.2100	59.66	peak				
425.7600	37.17	QP	-3.58	33.59	46.00	12.41
413.1500	37.33	QP	-3.77	33.56	46.00	12.44
45.5200	33.89	QP	-10.12	23.77	40.00	16.23
401.5100	31.27	QP	-4.05	27.22	46.00	18.78
452.9200	30.17	QP	-2.99	27.18	46.00	18.82

Vertical:

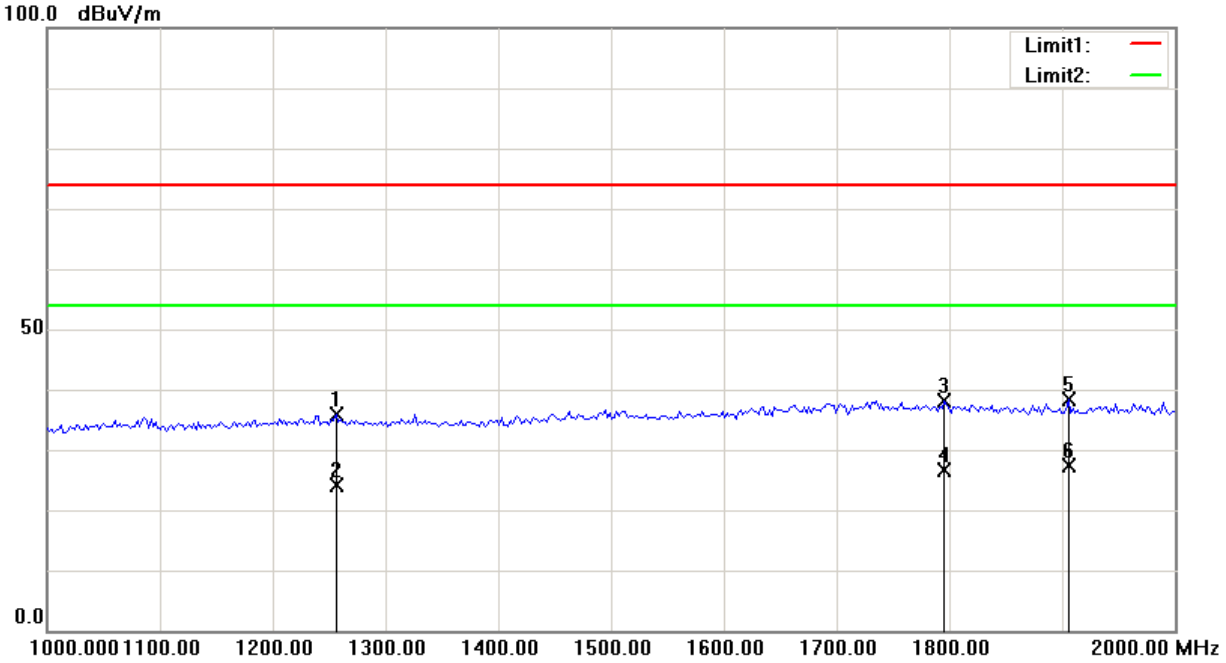
SG signal



Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
315.1800	66.48	peak				
321.9700	37.08	QP	-5.66	31.42	46.00	14.58
871.9600	27.44	QP	2.61	30.05	46.00	15.95
861.2900	27.51	QP	2.43	29.94	46.00	16.06
940.8300	26.07	QP	3.45	29.52	46.00	16.48
414.1200	29.29	QP	-3.74	25.55	46.00	20.45

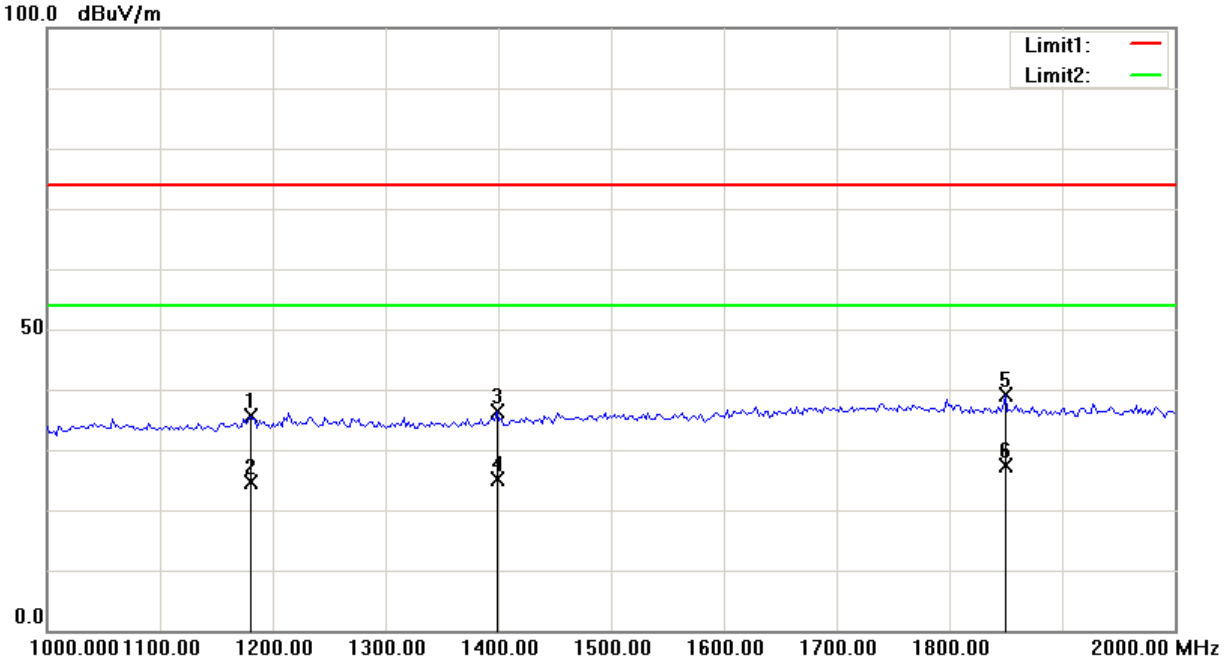
Above 1G:

Horizontal:



Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1905.812	18.79	AVG	8.62	27.41	54.00	26.59
1795.591	17.95	AVG	8.59	26.54	54.00	27.46
1256.513	17.77	AVG	6.38	24.15	54.00	29.85
1905.812	29.70	peak	8.62	38.32	74.00	35.68
1795.591	29.54	peak	8.59	38.13	74.00	35.87
1256.513	29.49	peak	6.38	35.87	74.00	38.13

Vertical:



Frequency (MHz)	Receiver Reading (dBuV/m)	Detector (PK/QP/Ave)	Correction Factor (dB)	Cord. Amp. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1849.699	18.47	AVG	8.89	27.36	54.00	26.64
1398.798	18.53	AVG	6.65	25.18	54.00	28.82
1180.361	18.37	AVG	6.15	24.52	54.00	29.48
1849.699	30.16	peak	8.89	39.05	74.00	34.95
1398.798	29.62	peak	6.65	36.27	74.00	37.73
1180.361	29.49	peak	6.15	35.64	74.00	38.36

******* END OF REPORT *******