

# TEST REPORT

**Report No. :** SGS-R13-1073

**Applicant :** iOttie. Inc.

**Address :** 214 State St., Suit # 105 Hackensack, NJ, 07601, USA

**Product :** One Touch Universal Car Mount

**Model :** HLCRIO102(GP7 & ST4)

**Environment :** Temp. (26 ± 3) °C, Humidity (67 ± 8) % R.H.

**Test Date :** September 12, 2013

**Standard :** Request of client

**Test Result :** Refer to the attached document

**Use of report :** Validation

This is certified that the above mentioned products have been tested for the sample provided by client.

<b>Confirmation</b>	<b>Tested by</b>	<b>Approved by</b>
	<b>Name : Cha, Min-ha</b>	<b>Name : Kim, In-kee</b>

- ※ The test results is based on the test conducted on the test sample, which was requested by the client.
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September 23, 2013

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## Summary of Test Results

One Touch Universal Car Mount / HLCRIO102(GP7 & ST4)	
TEST ITEM	TEST RESULT
Vibration Test	No abnormal was found.

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## 1. Overview

As requested by the client, this test was conducted on test sample according to the test specification presented by the client.

## 2. Product

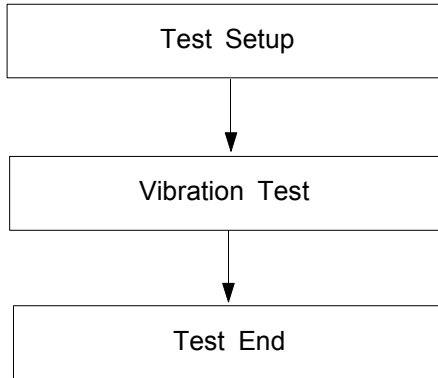
### 2.1 Description

Applicant : iOttie. Inc.  
Manufacturer : HSM Co., Ltd.  
Product : One Touch Universal Car Mount  
Model : HLCRIO102(GP7 & ST4)  
Serial number : N/A

### 2.2 Photograph



### 3. Test Process



### 4. Test Condition & Test Result

Refer to each test report (Next page)

#### 4.1 Vibration Test

<b>Applicant</b>	iOttie. Inc.	<b>Dept. in charge</b>	Reliability Test Team
<b>Product</b>	One Touch Universal Car Mount	<b>Tester</b>	Cha, Min-ha (+82-31-548-0725)
<b>Model</b>	HLCRIO102(GP7 & ST4)	<b>Date</b>	September 12, 2013
<b>Serial No.</b>	N/A		
<b>Standard</b>	Request of client	<b>Page</b>	6

##### (1) Test Conditions


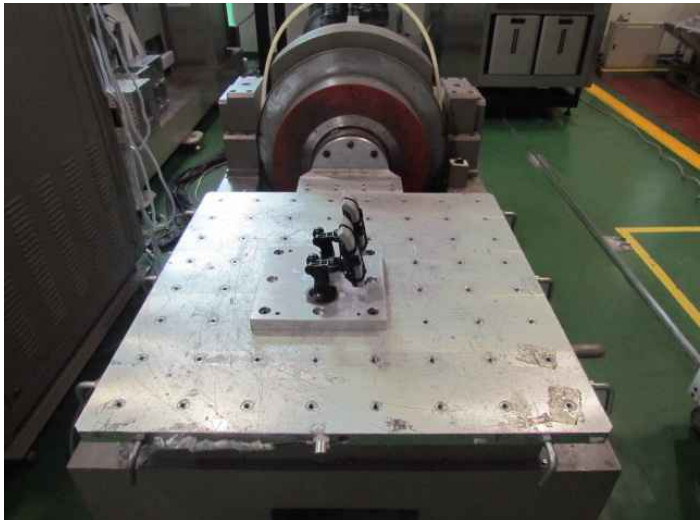

- 1) Test type : Random
- 2) Frequency : (5 ~ 200) Hz
- 3) Acceleration : 19.992 m/s<sup>2</sup> r.m.s (2.04 g<sub>n</sub> r.m.s)
- 4) Test time : Total 3 h (1 h in each axis)
- 5) Test axis : Vertical (Z), Transverse (X), Longitudinal (Y)
- 6) Sample state : Unpackaged product / Non-operation
- 7) Check time : After the test
- 8) Sample quantity : 2 EA
- 9) Load weight : 200 g

(2) Environment Conditions : Temperature (26 ± 3) °C, Humidity (67 ± 8) % R.H.

##### (3) Test Method

- 1) Perform a visual inspection and an operational check for the specimen.
- 2) Fix the specimen on the vibration table.
- 3) Operate the vibration tester.
- 4) Repeat from steps 2) to step 3) for each required axis.
- 5) Perform a final visual inspection and an operational check for the specimen.

(4) Test Photograph

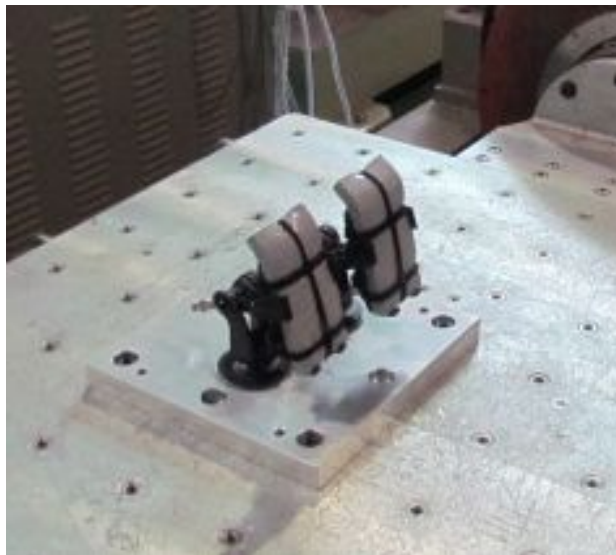
Test axis	Test photograph
Vertical (Z)	
Transverse (X)	
Longitudinal (Y)	

(5) Test Equipment

Description	Manufacturer and Model	Serial Number	The due date of next Calibration	Calibration Laboratory
Vibration Tester	Shinken/G-0215NS	SG-4589	May 16, 2014	SICT
Accelerometer	Fujisera/S41SCB	0108	May 16, 2014	SICT

(6) Test Result

Check List	Test Result
1. Visual inspection - Mechanical damage such as deformation, crack, loosening of screw, etc.	No abnormal was found.

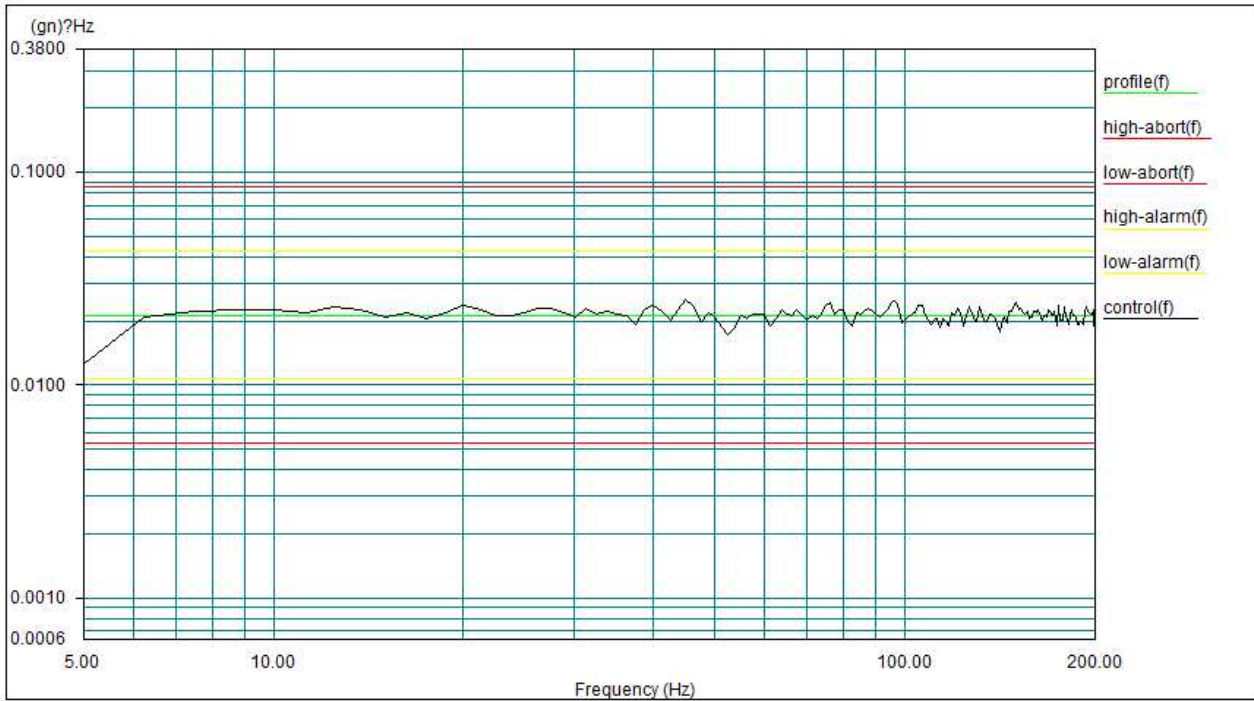


<After the test>



※ Appendix 1. Vibration Data \_ Z axis

Project File Name: Z  
 Profile Name: Default Test Type: Random Run Folder: RunDefault Sep 12, 2013 09-31-31

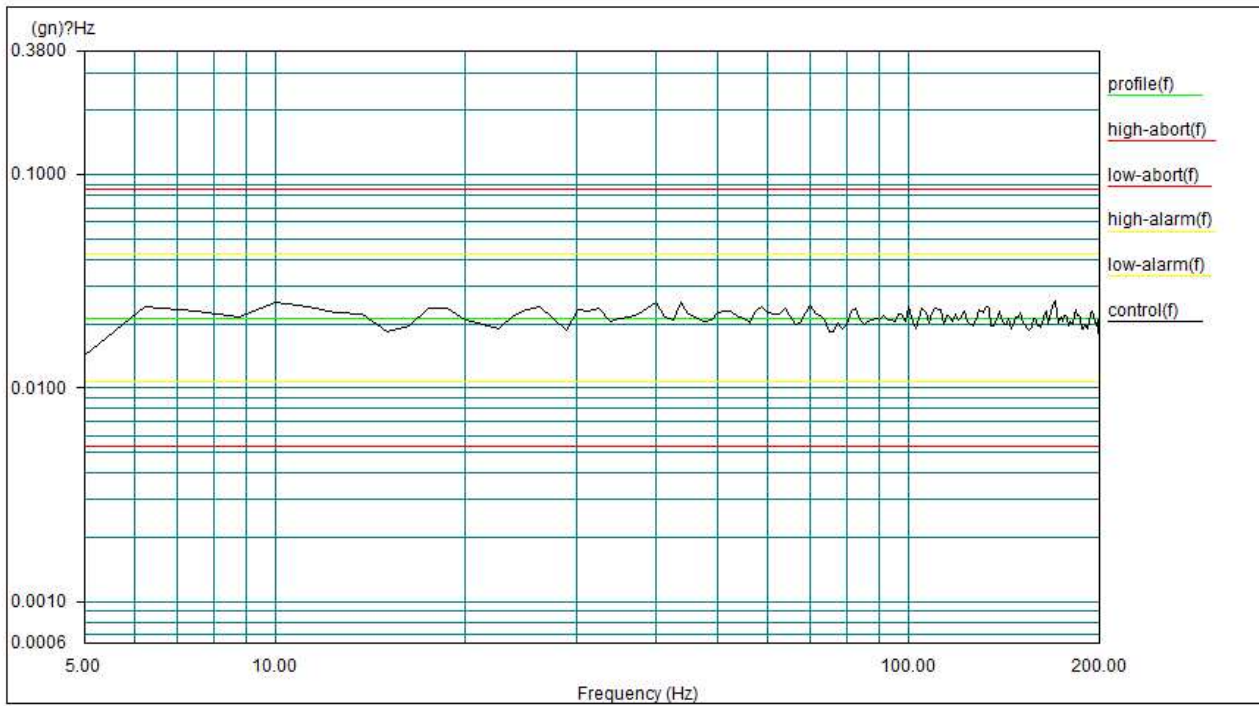


Level: 0 dB  
 Control RMS: 2.050934 gn Full Level Elapsed Time: 01:00:00 Lines: 800 Frame Time: 0.800000 Seconds  
 Demand RMS: 2.043528 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Data saved at 10:41:17 AM, Thursday, September 12, 2013 Report created at 10:41:24 AM, Thursday, September 12, 2013

## Vibration Data \_ X axis

Project File Name: X  
 Profile Name: Default Test Type: Random Run Folder: RunDefault Sep 12, 2013 11-49-30

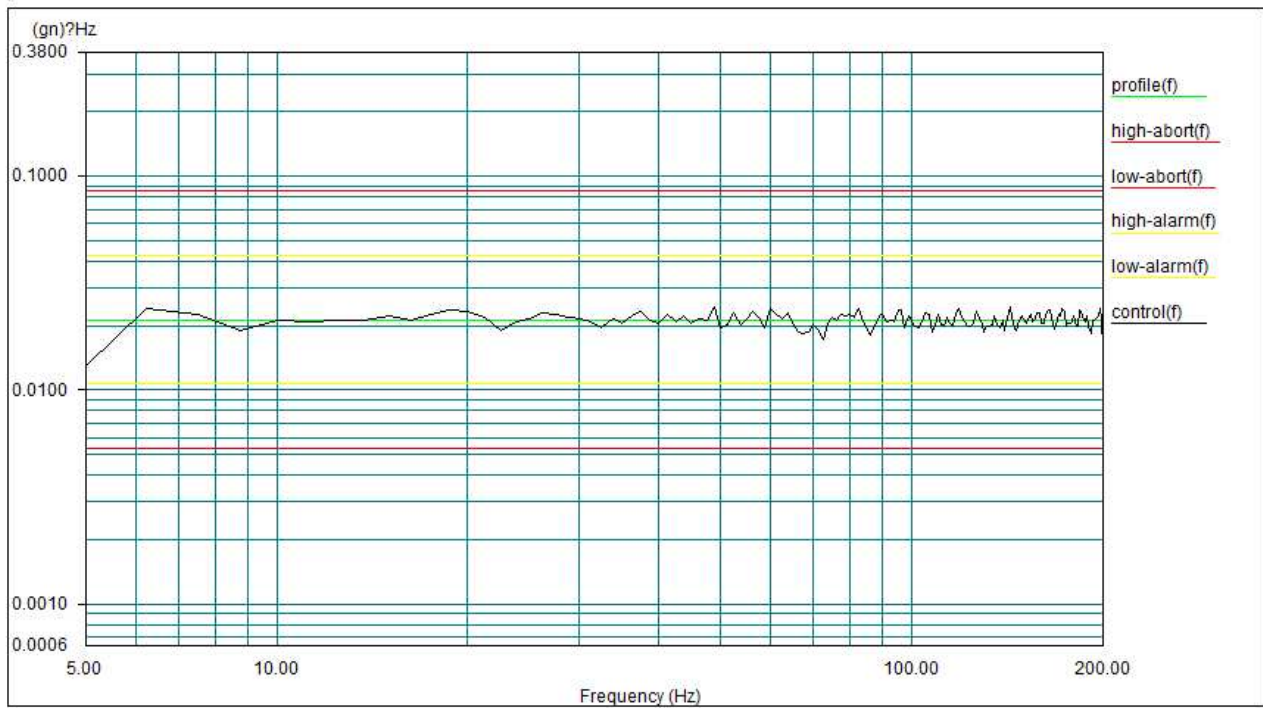


Level: 0 dB  
 Control RMS: 2.052189 gn Full Level Elapsed Time: 01:00:00 Lines: 800 Frame Time: 0.800000 Seconds  
 Demand RMS: 2.043528 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Data saved at 12:59:19 PM, Thursday, September 12, 2013 Report created at 12:59:20 PM, Thursday, September 12, 2013

## Vibration Data \_ Y axis

Project File Name: Y  
 Profile Name: Default Test Type: Random Run Folder: RunDefault Sep 12, 2013 10-46-28



Level: 0 dB  
 Control RMS: 2.043163 gn Full Level Elapsed Time: 01:00:00 Lines: 800 Frame Time: 0.800000 Seconds  
 Demand RMS: 2.043528 gn Remaining Time: 00:00:00 DOF: 154 dF: 1.250000 Hz

Data saved at 11:47:59 AM, Thursday, September 12, 2013 Report created at 11:47:59 AM, Thursday, September 12, 2013