

ENVIRONMENTAL TEST REPORT

Report Reference No.: LR500171204T

Applicant VISION X ASIA CO., LTD.

Manufacturer VISION X ASIA CO., LTD.

Test item Description WORK LIGHT

Basic model name PIT MASTER 30

Additional model name None

Standard IEC 60068-2-6 : 2007

Data of issue 2012-04-30

The test was supervised by:

This test report is issued under the authority of:



Sun-Woo Kang / Test Engineer



Ki-Kwan Chun / Technical Manager

This test result only responds to the tested sample. It is not allowed to copy this report even partly without the allowance of the test laboratory. This report must not be used by the applicant to claim product endorsement by any agency.

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1. Client details

Applicant

Name: **VISION X ASIA CO., LTD.**

Address: **175-16, Chungchun-Dong, Bupyung-Ku, Incheon-Shi, 403-030, Korea**

Telephone No.: **+82-2-7602-1208**

Facsimile No.: **+82-2-515-4817**

Manufacturer

Name: **VISION X ASIA CO., LTD.**

Address: **175-16, Chungchun-Dong, Bupyung-Ku, Incheon-Shi, 403-030, Korea**

Telephone No.: **+82-2-7602-1208**

Facsimile No.: **+82-2-515-4817**

2. Laboratory details

Company

Name: **LTA Co., Ltd.**

Address: **243 Jubug-ri, Yangji-Myeon, Youngin-Si, Kyunggi-Do 449-822, Republic of Korea**

Telephone No.: **+82-31-323-6008**

Facsimile No.: **+82-31-323-6010**

Homepage: **<http://www.ltalab.com>**

e-mail: **lta@ltalab.com**

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the “General requirements for the Competence of testing and calibration laboratories”.

3. Summary of test results

3.1 Test equipments

Description	Model	Serial No.	Manufacturer	Cal. Last	Cal. Due
Vibration Tester	JY-VT-A2	LS06048	Jin Young Tech	Not applicable	
Digital Vibration Meter	3010	34271	NODE	2011-11-02	2013-05-02

3.2 Test conditions

IEC 60068-2-6 : 2007 (Test condition : Test method requested by the client)

Test sample is mounted on the vibration table and tested under condition on the table below. After testing, there should be no slack or physical damage neither the appearance nor inner parts. there should be no trouble in operation as well.

3.2.1 Vibration test conditions

Vibration direction	Frequency range (Hz)	Displacement (mm)	Sweep rate (oct/min)	Test times (h)
X Axis (front and back)	10 ~ 200	0.35	1	1
Y Axis (left and right)	10 ~ 200	0.35	1	1
Z Axis (up and down)	10 ~ 200	0.35	1	2

3.2.2 Shock test conditions

Vibration direction		Amplitude (m/s ²)	Pulse width (ms)	Pulse type	Test times (h)	Test counts
X Axis	+	60	25	Harf Sine	0.5	2 500
	-				0.5	2 500
Y Axis	+	60	25	Harf Sine	0.5	2 500
	-				0.5	2 500
Z Axis	+	60	25	Harf Sine	1	5 000
	-				1	5 000

3.3 Test results

Vibration & shock direction	Test Clause	Before test	Result
X Axis	appearance	normal	normal
	the slack of inner parts	normal	no slack
	physical damage	normal	no damage
	operation	normal	normal operation
Y Axis	appearance	normal	normal
	the slack of inner parts	normal	no slack
	physical damage	normal	no damage
	operation	normal	normal operation
Z Axis	appearance	normal	normal
	the slack of inner parts	normal	no slack
	physical damage	normal	no damage
	operation	normal	normal operation

4. Description of E.U.T.

4.1 Production description

Manufactured by: VISION X ASIA CO., LTD.

Test requested by: VISION X ASIA CO., LTD.

Type of equipment: WORK LIGHT

Model name: PIT MASTER 30

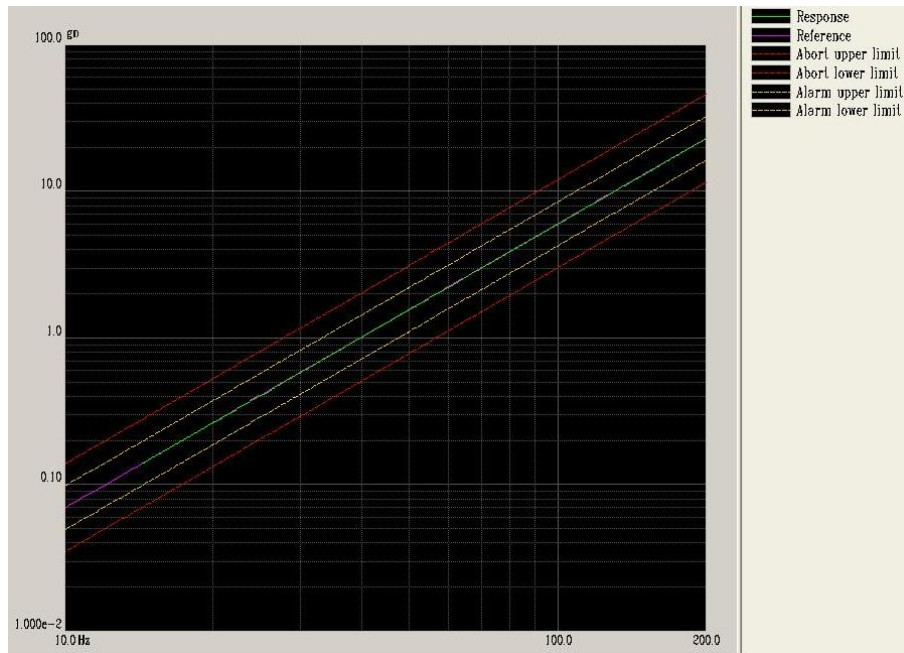
EUT grade: Production grade

5. Test result & pictures

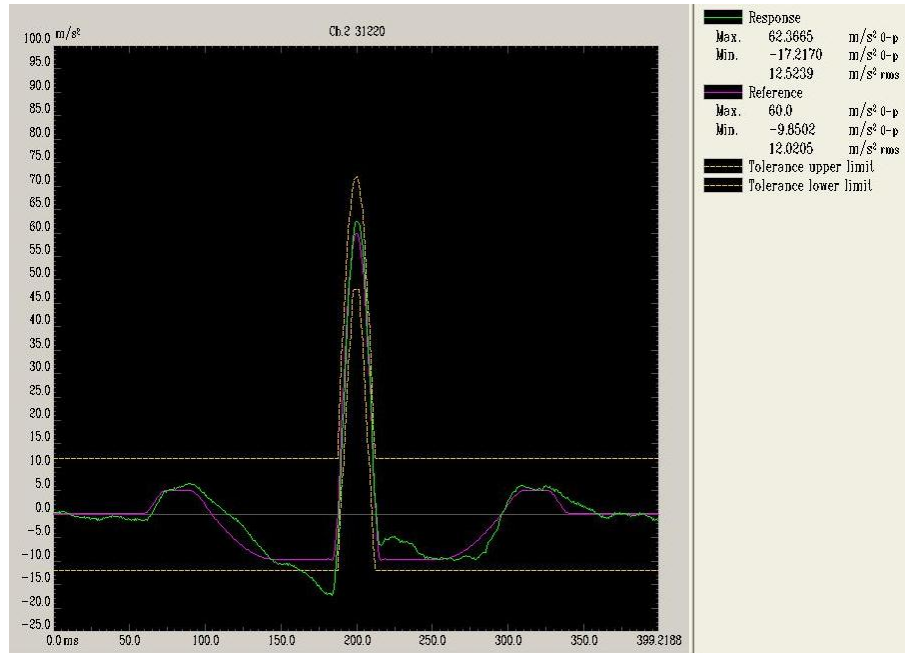
<Vibration & Shock Test Picture (Front and back: X Axis)>



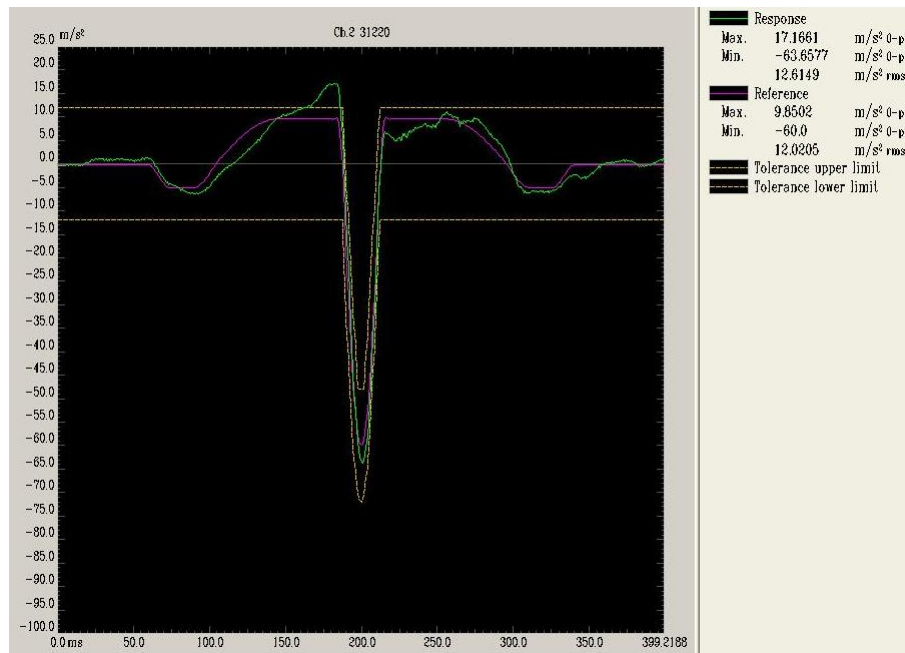
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<Shock test data (Front and back: X Axis(+))>



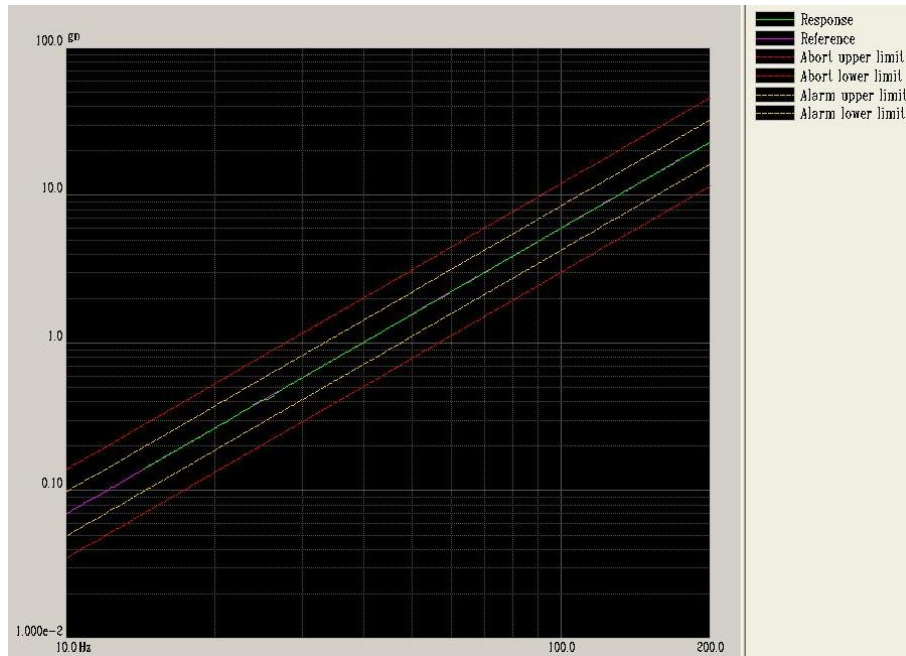
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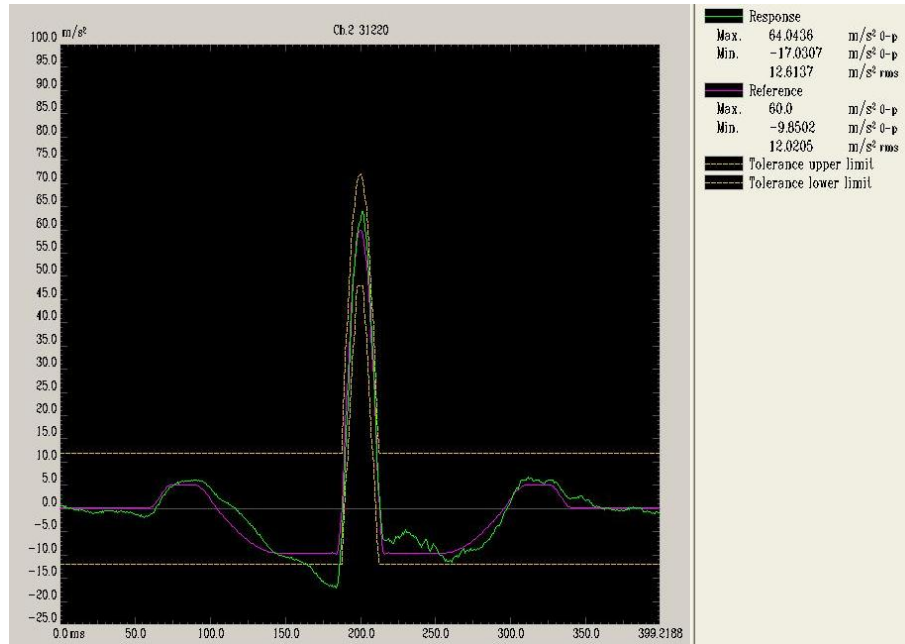
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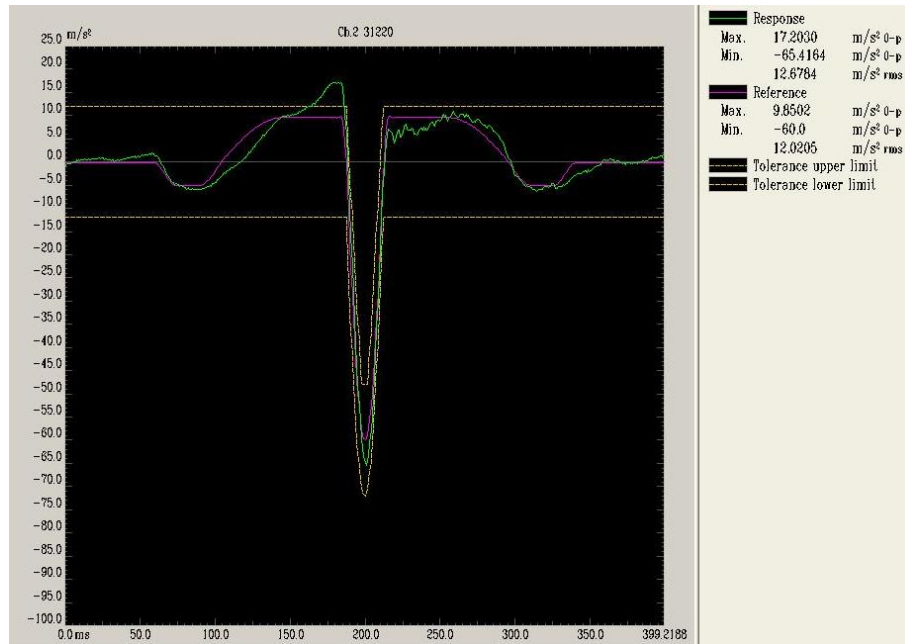
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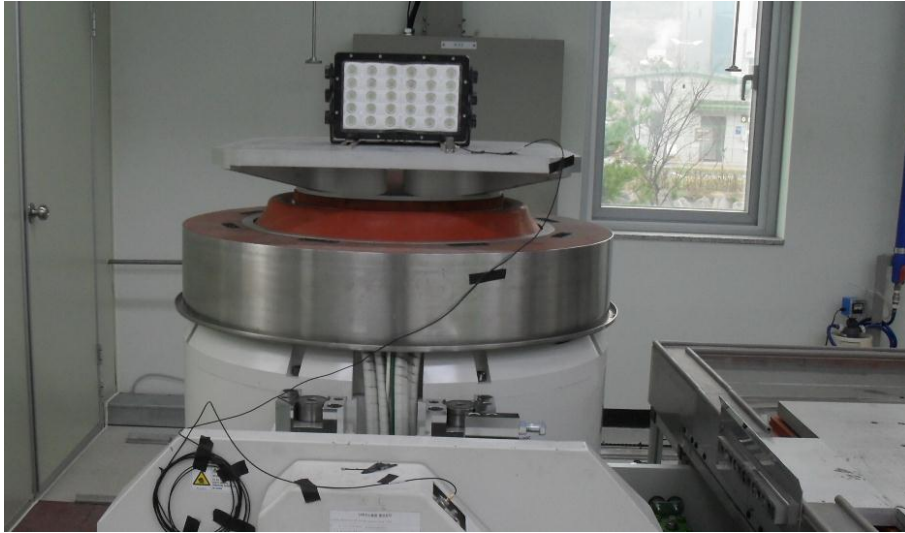
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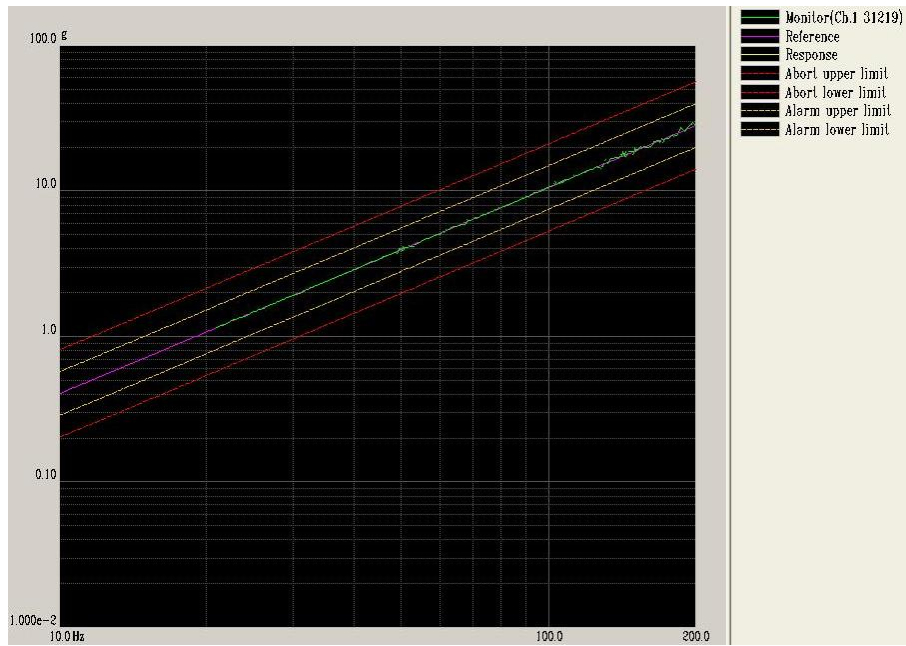
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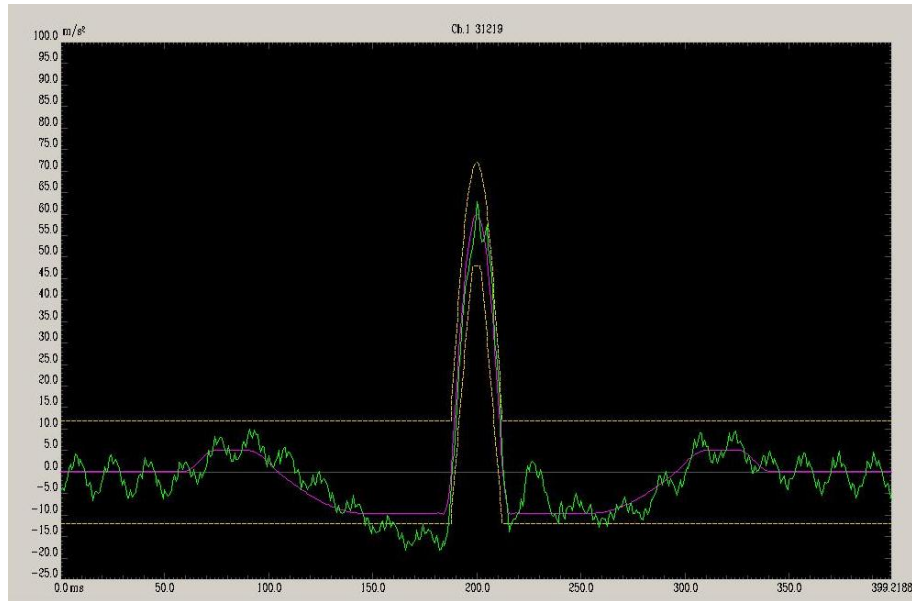
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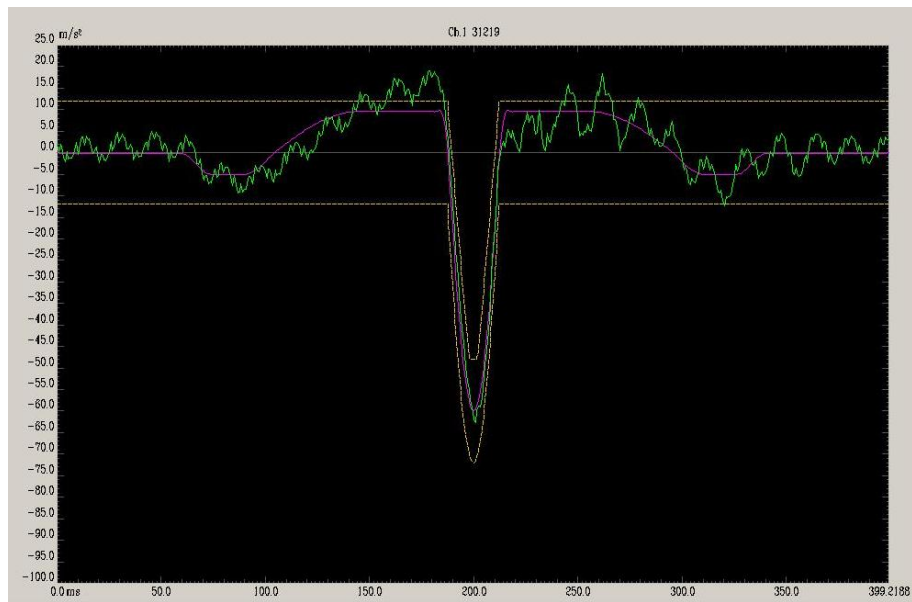
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<Shock test data (Front and back: Z Axis(+))>



<Shock test data (Front and back: Z Axis(-))>



<Test sample>



<Operating picture after the test>

