EMTEK
Access to the World

TEST REPORT

Product Name : Desktop
Model Number : DRACO SERIES

Prepared for	:	COMPUMAX COMPUTER SAS
Address	:	AVENIDA TRONCAL DE OCCIDENTE # 20-85. Manzana 6, Bodega 2, lote 34.
Prepared by	:	EMTEK (DONGGUAN) CO., LTD.
Address	:	-1&2/F., Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, No. 9, Xincheng Avenue, Songshanhu High-technology Industrial Development Zone, Dongguan, Guangdong, China Tel: +86-769-22807078 Fax: +86-769-22807079

Report Number	:	EDG2303170098R00101R
Date(s) of Tests	:	2023.03.17~2023.04.03
Date of Issue	:	2023.04.03

Applicant	:	COMPUMAX COMPUTER SAS
Address	:	AVENIDA TRONCAL DE OCCIDENTE # 20-85. Manzana 6, Bodega 2, lote 34.

Sample Name	:	Desktop
Model Number	:	DRACO SERIES
Sample Quantity	:	1PC(S)

Date of Received	:	2023.03.17

Test Summary

No.	Test Item	Test Standard	Test Conclusion
1	Humidity Test	MIL-STD-810H-2019	Pass
2	Temperature Shock Test	MIL-STD-810H-2019	Pass
3	Altitude Test (Procedure II)	MIL-STD-810H-2019	Pass
4	Shock Test	MIL-STD-810G-2014	Pass
5	Vibration Test	MIL-STD-810G-2014	Pass

Remark:

Pass: Test item meet the requirement;

Fail: Test item does not meet the requirement;

N/A: Test case does not apply to the test object, or provide test results only.

Signed for and on behalf of
EMTEK (Dongguan) Co., Ltd.

Inspected by: Wang Jian
Inspected engineer

Reviewed by: Li Lijuan
Reviewed director

Approved by: Leo. zhang
Authorized signatory

1. **Test Item:** Humidity Test

1.1 Sample No.: E2303170098-01

1.2 Test Equipment(s):

Name	Model	Serial No.	Valid Date to
High and low temperature damp heat test chamber	ESL-10JA	E-R-160	2023.06.22

1.3 Laboratory Conditions: Temperature:25.1℃; Humidity: 57.0%RH

1.4 Test Standard: MIL-STD-810H-2019

1.5 Test Conditions:

Relative humidity 95%; Temperature cycled between30℃ and 60℃ (86°F and 140°F); Test cycle 24 hours; testconsisted of ten cycles（240H）

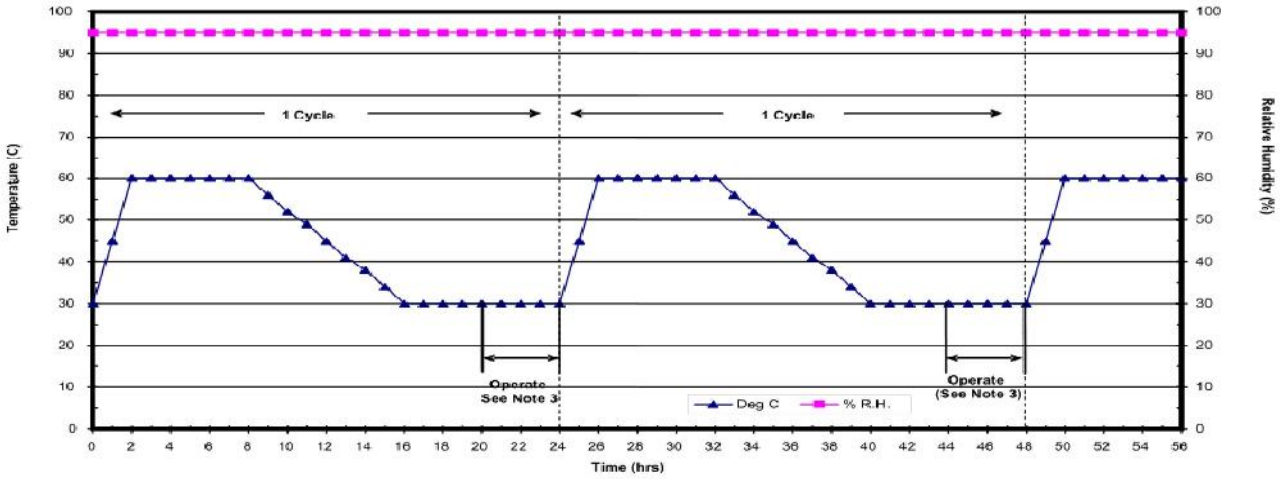


Figure 507.5-7. Aggravated temperature-humidity cycle.

1.6 Judge Criteria: After the test, the appearance and function of the sample should be normal.

1.7 Test Result(s):

Sample No.	Test Result	Test Conclusion
E2303170098-01	After the test, the appearance and function of the samples were normal.	Pass

1.8 Test Photo(s)

	
Before test	Function check before r test
	
Testing	Functional check in test
	
Test interface	Test interface

	/
Function check after test	

2. **Test Item:** Temperature Shock Test

2.1 Sample No.: E2303170098-01

2.2 Test Equipment(s):

Name	Model	Serial No.	Valid Date to
High and low temperature damp heat test chamber	ESL-10JA	E-R-160	2023.06.22
High and low temperature damp heat test chamber	ESL-10JA	E-R-157	2023.08.15

2.3 Laboratory Conditions: Temperature:25.1℃; Humidity: 57.0%RH

2.4 Test Standard: MIL-STD-810H-2019

2.5 Test Conditions:

Non-operational High temperature 60℃(140°F) Low temperature -51℃ (-60°F); Three cycles (a cycle consists of a dwell low, low to high, dwell high, high to low) One hour dwell time.

2.6 Judge Criteria: After the test, the appearance and function of the sample should be normal.

2.7 Test Result(s):

Sample No.	Test Result	Test Conclusion
E2303170098-01	After the test, the appearance and function of the samples were normal.	Pass

2.8 Test Photo(s)



Before test



Function check before r test

	
Testing	Test interface
	
Test interface	Function check after test

3. Test Item: Altitude Test (Procedure II)

3.1 Sample No.: E2303170098-01

3.2 Test Equipment(s):

Name	Model	Serial No.	Valid Date to
Low pressure test chamber	HD-E810	E-R-048	2023.10.17

3.3 Laboratory Conditions: Temperature:25.1℃; Humidity: 57.0%RH

3.4 Test Standard: MIL-STD-810H-2019

3.5 Test Conditions:

Non-operational 15,000 feet at 57 kPa One hour duration.

3.6 Judge Criteria: After the test, the appearance and function of the sample should be normal.

3.7 Test Result(s):

Sample No.	Test Result	Test Conclusion
E2303170098-01	After the test, the appearance and function of the samples were normal.	Pass

3.8 Test Photo(s)



Before test



Function check before r test



Testing



Test interface

	/
Function check after test	/

4. Test Item: Shock Test

4.1 Sample No.: E2303170098-01

4.2 Test Equipment(s):

Name	Model	Serial No.	Valid Date to
Impact test device	QCL-50	E-R-036	2023.04.19

4.3 Laboratory Conditions: Temperature:23.1℃; Humidity: 53.3%RH

4.4 Test Standard: MIL-STD-810G-2014

4.5 Test Conditions:

Sample status:	Unpackaged, out of operation
Acceleration:	40g
Pulse width:	11ms
Pulse mode:	Half-sine
Test direction:	±X, ±Y, ±Z axis
Test times:	3 times each axis

4.6 Judge Criteria: After the test, the appearance of the sample should be normal.

4.7 Test Result(s):

Sample No.	Test Result	Test Conclusion
E2303170098-01	After the test, the appearance of the sample was normal.	Pass

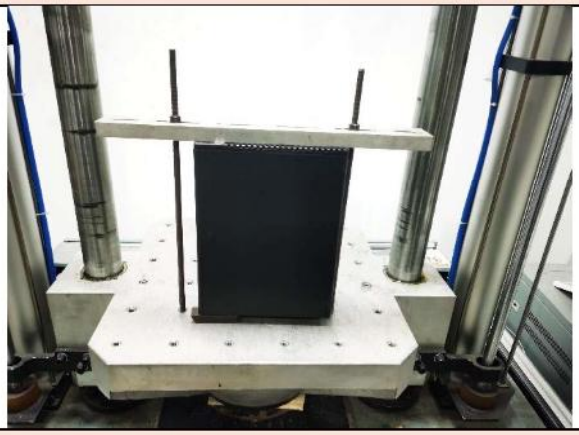
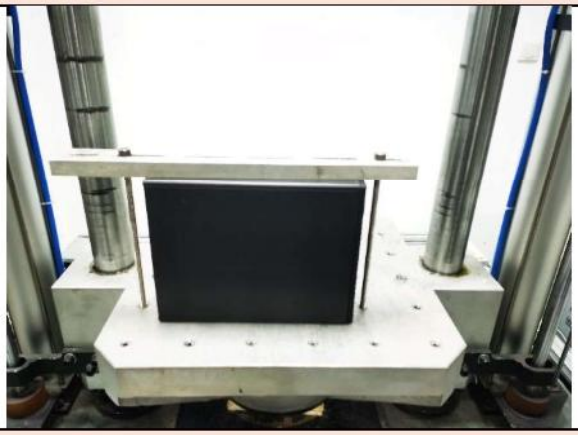
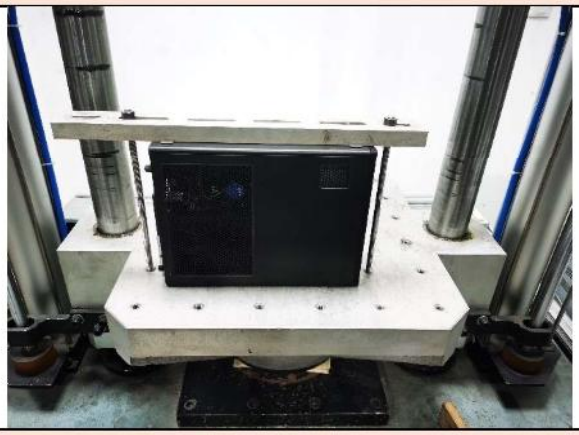
4.8 Test Photo(s)



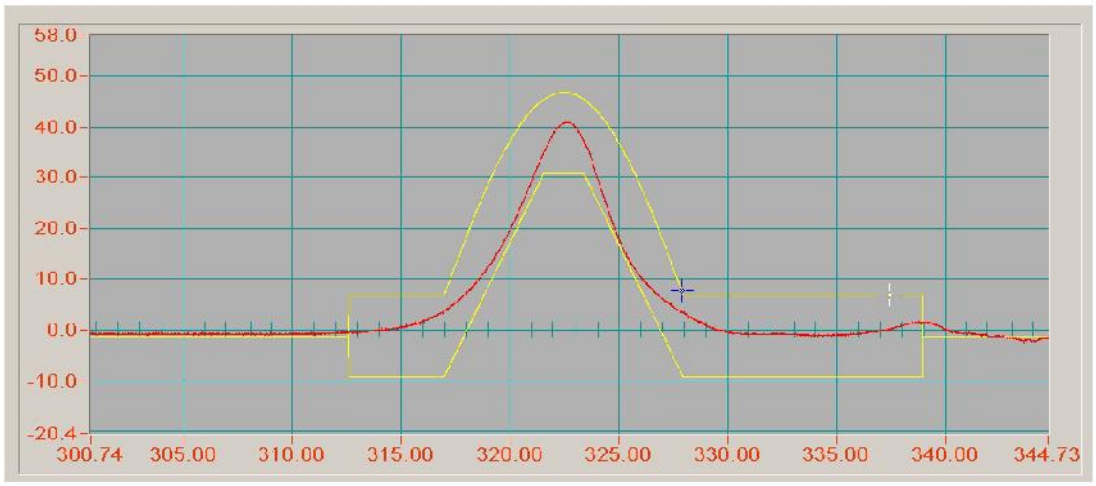
Before test



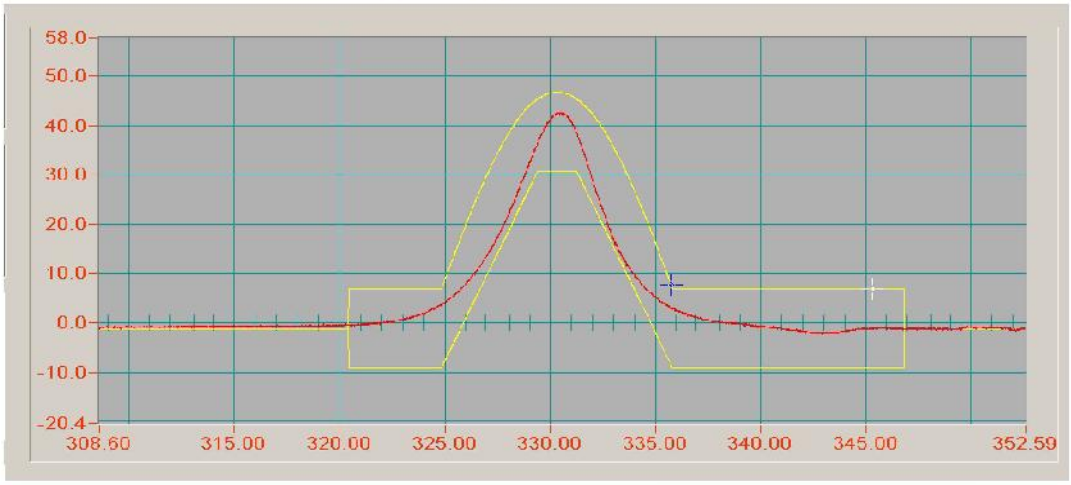
Testing (+X axis)

	
Testing (-X axis)	Testing (+Y axis)
	
Testing (-Y axis)	Testing (+Z axis)
	
Testing (-Z axis)	After test

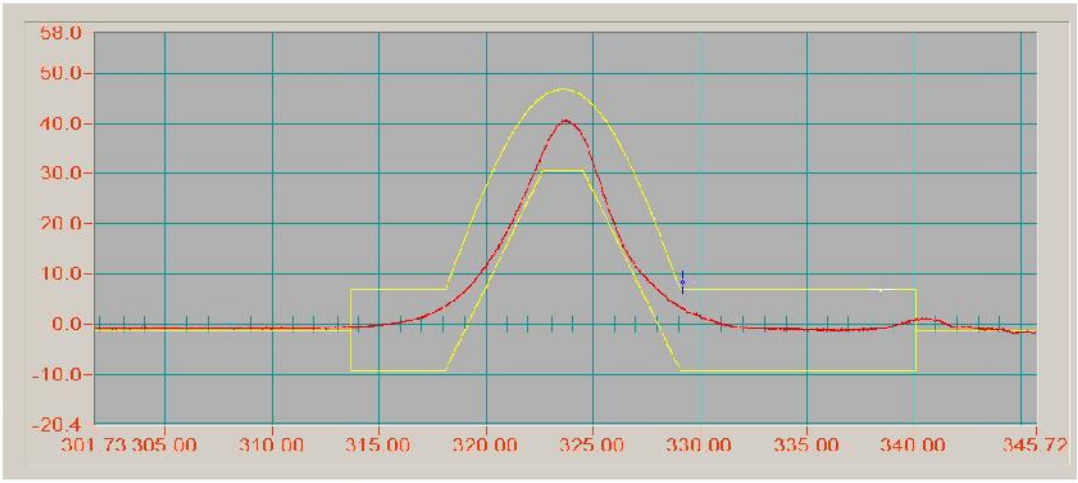
4.9 Test Curve(s)



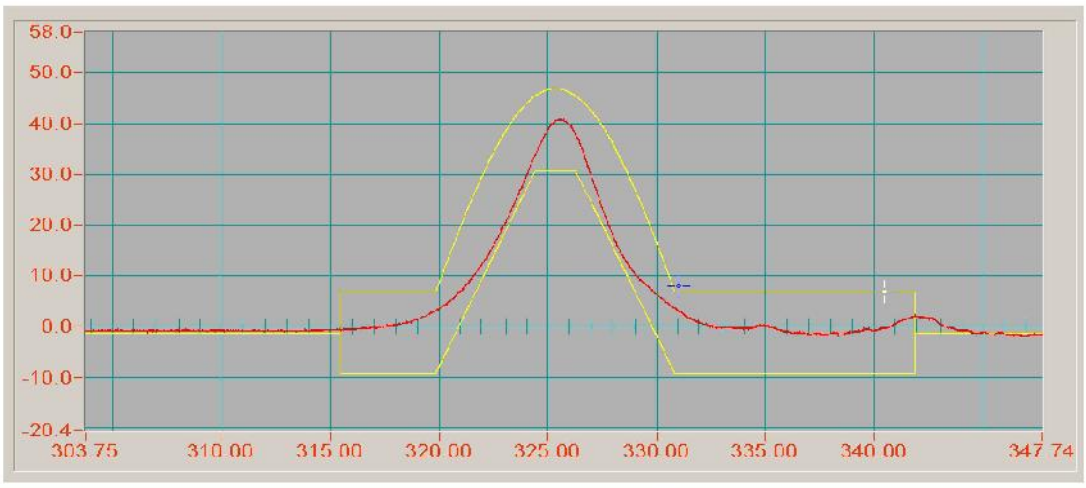
The curve of Shock test (+X axis)



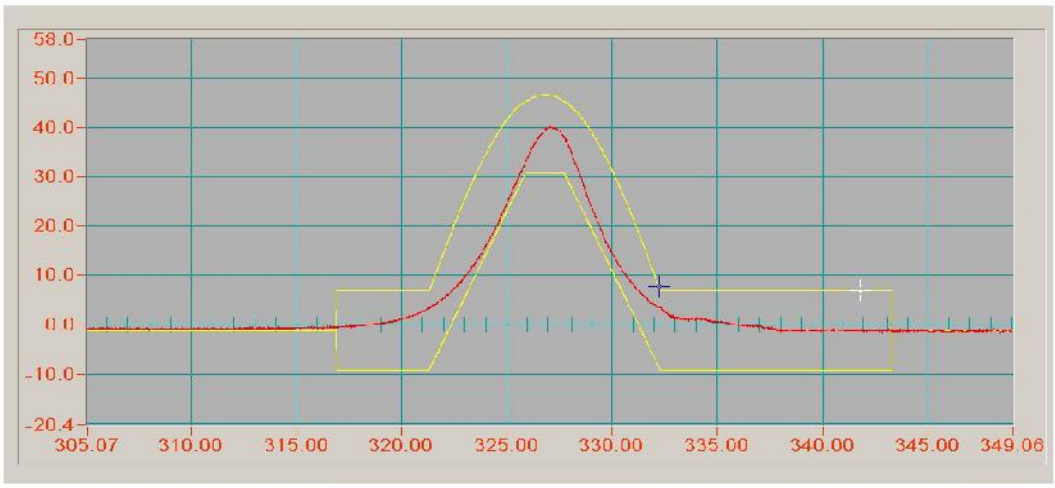
The curve of Shock test (-X axis)



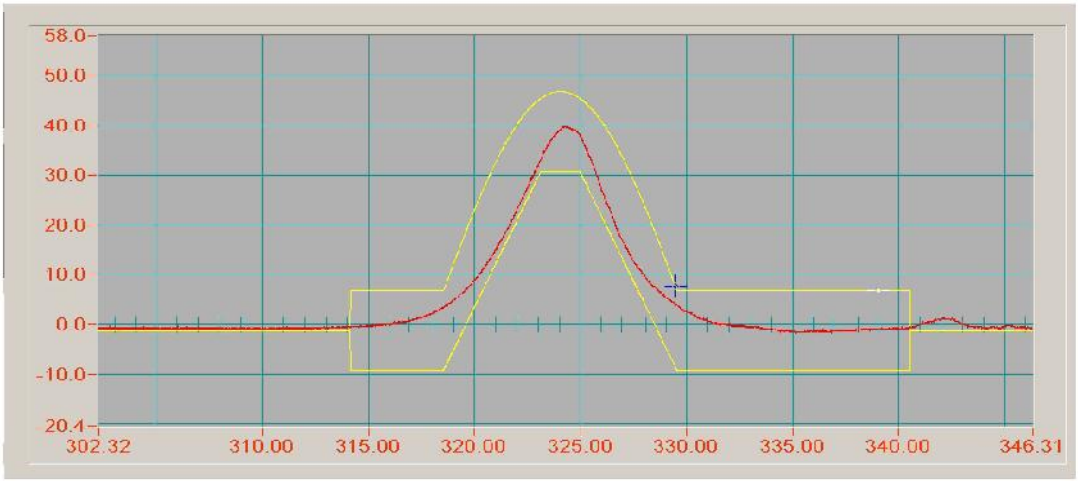
The curve of Shock test (+Y axis)



The curve of Shock test (-Y axis)



The curve of Shock test (+Z axis)



The curve of Shock test (-Z axis)

5. Test Item: Vibration Test

5.1 Sample No.: E2303170098-01

5.2 Test Equipment(s):

Name	Model	Serial No.	Valid Date to
Vibration testing machine	DC-10000-100	E-R-038	2023.12.05

5.3 Laboratory Conditions: Temperature:23.1℃; Humidity: 53.3%RH

5.4 Test Standard: MIL-STD-810G-2014

5.5 Test Conditions:

Z axis		X axis		Y axis	
Frequency (Hz)	Acceleration (g^2/Hz)	Frequency (Hz)	Acceleration (g^2/Hz)	Frequency (Hz)	Acceleration (g^2/Hz)
10	0.015	10	0.00013	10	0.0065
40	0.015	20	0.00065	20	0.0065
500	0.00015	30	0.00065	120	0.0002
/	/	78	0.00002	121	0.003
/	/	79	0.00019	200	0.003
/	/	120	0.00019	240	0.0015
/	/	500	0.00001	340	0.00003
/	/	/	/	500	0.00015

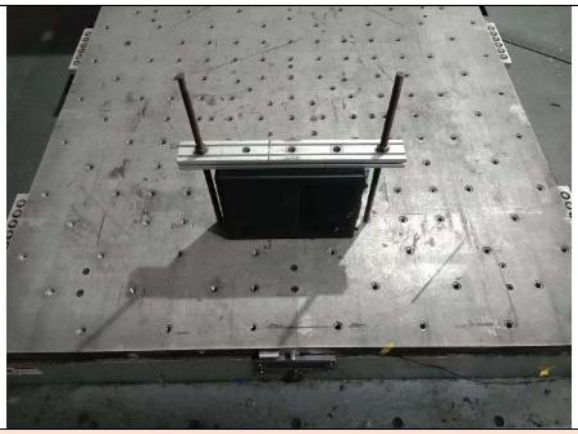
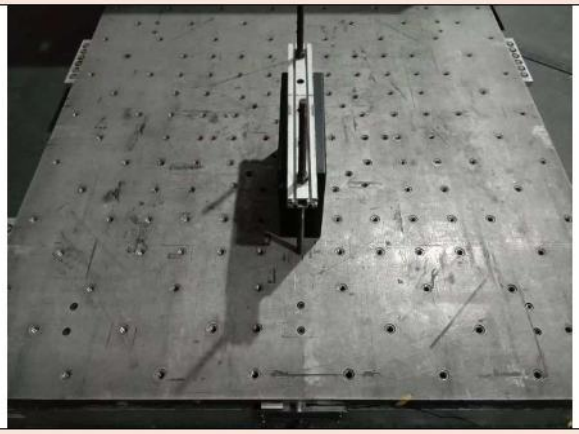
Test time: 1h/ axis

5.6 Judge Criteria: After the test, the appearance of the sample should be normal.

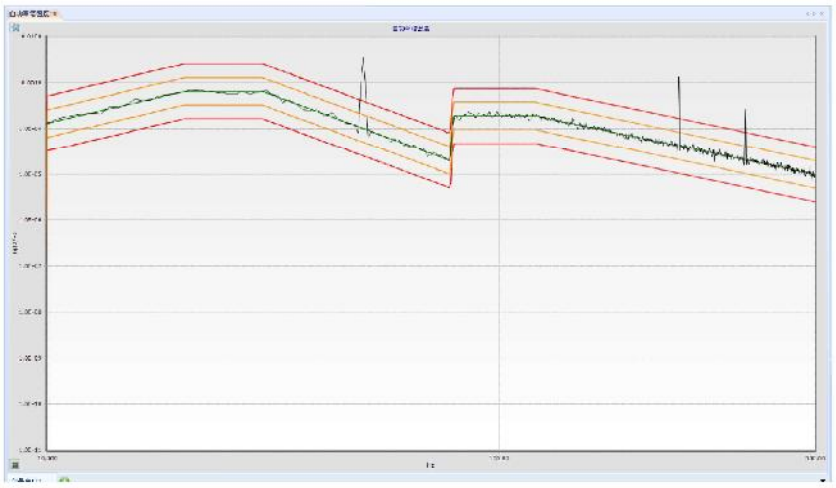
5.7 Test Result(s):

Sample No.	Test Result	Test Conclusion
E2303170098-01	After the test, the appearance of the sample was normal.	Pass

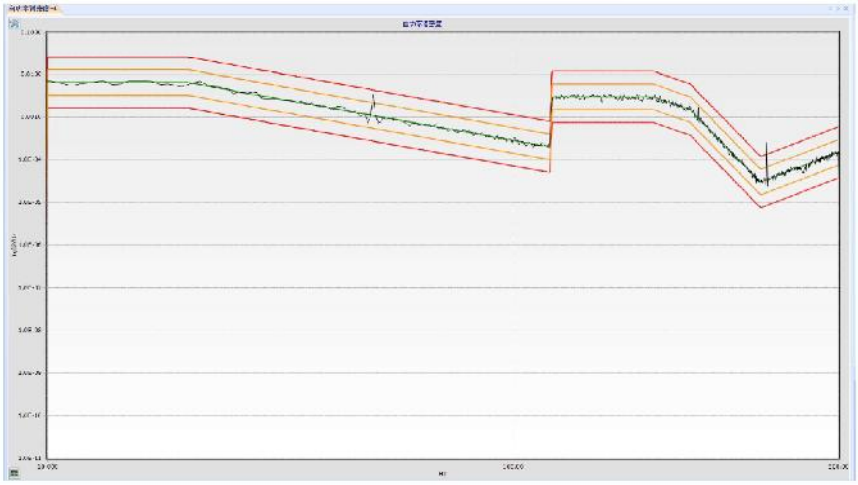
5.8 Test Photo(s)

	
Before test	Testing (X axis)
	
Testing (Y axis)	Testing (Z axis)
	/
After test	/

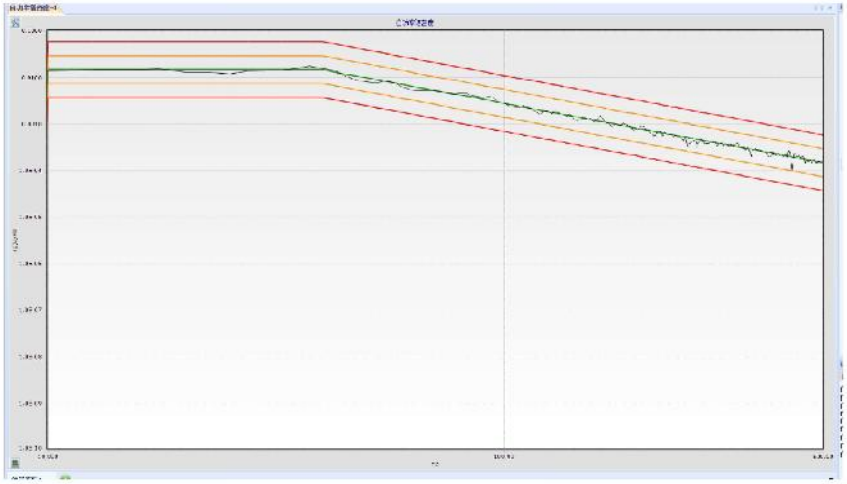
5.9 Test Curve(s)



The curve of Vibration test (X axis)



The curve of Vibration test (Y axis)



The curve of Vibration test (Z axis)

*** End of Report ***

声 明
Statement

1. 本报告无授权批准人签字及“检验报告专用章”无效；
   This report will be void without authorized signature or special seal for testing report.

2. 未经许可本报告不得部分复制；
   This report shall not be copied partly without authorization.

3. 本报告的检测结果仅对送测样品有效，委托方对样品的代表性和资料的真实性负责；
   The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material.

4. 本检测报告中检测项目标注有特殊符号则该项目不在资质认定范围内，仅作为客户委托、科研、教学或内部质量控制等目的使用；
   The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.

5. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，本实验室不承担相关责任，特别约定、标准或规范中有明确规定的除外；
   The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards or regulations, EMTEK shall not assume any responsibility.

6. 对本检测报告若有异议，请于收到报告之日起 20 日内提出；
   Objections shall be raised within 20 days from the date receiving the report.

签发测试报告条款
Conditions of Issuance of Test Reports

1. 东莞市信测科技有限公司（以下简称[本公司]）为提供符合下述条款的测试和报告，而接受有关样品和货品。本公司基于下述条款提供服务，下述条款为本公司与申请服务的个人，企业或公司（以下简称[客户]）的协议。
All samples and goods are accepted by the EMTEK (Dongguan) Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").

2. 由此测试申请所发出的任何报告（以下简称[报告]），本公司会严格为客户保密。未经本公司的书面同意，报告的整体或部分不得复制，也不得用于广告或授权的其他用途。然而，客户可以将本公司印制的报告或认可的副本，向其客户、供货商或直接相关的其它人出示或提交。除非相关政府部门、法律或法规要求，否则未经客户同意，本公司不得将报告内容向任何第三方讨论或披露。
Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3. 除非相关政府部门、法律或法院要求，否则未经公司预先书面同意，本公司毋需，也并无义务到法院对有关报告作证。
The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. 除非本公司进行抽样，并已在报告中说明，否则报告中适用于送测的样品，不适用于批量。
The Report refers only to the sample tested and does not apply to the bulk, unless the sampling has been carried out by the Company and is stated as such in the Report.

5. 如果本公司确定报告被不当地使用，本公司保留撤回报告的权利，并有权要求其它适当的额外赔偿。
In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

6. 本公司接受样品进行测试的前提是，该测试报告不能作为针对本公司法律行动的依据。
Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

7. 如因使用本公司中心任何报告内的资料，或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害，本公司概不负责。
The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

8. 若需要在法院审理程序或者仲裁过程中使用测试报告，客户必须在提交测试样品前将该意图告知本公司。
Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

9. 该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的，检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限，数据和信息将被处理掉。任何情况下，本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害，本公司在任何情况下也不必承担任何损害，包括（但不限于）补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权（包括疏忽）、产品责任或其他原因的惩罚性损害。
Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

10. 报告的签发记录可通过登录 http://www.emtek.com.cn/zhengshuchaxun.html 查询。如需进一步查询报告有效性或核实报告，需与本公司联系。
Issuance records of the Report are available on the internet at http://www.emtek.com.cn/zhengshuchaxun.html. Further enquiry of validity or verification of the Report should be addressed to the company.