

TEST REPORT

Company : CREMAX TECH. CO., LTD.

Address : 2F., No.18, Ln.609, Sec.5, Chongxin Rd., Sanchong Dist.,
New Taipei City 24159, Taiwan (R.O.C.)

Sample Name : Industrial Rugged Full Metal 2.5" SATA/SAS HDD & SSD Mobile Rack
for External 3.5" Drive Bay with Key Lock & Thumb Screw Design

Model Name : MB491SKL-B

Date Received : AUG 24, 2022

Date Tested : AUG 24, 2022

Signed for and on behalf of
DEKRA iST Reliability Services Inc.

Injel Chen

Approver

Injel Chen

Reviewer

John Ku

Engineer



REVISION HISTORY

Rev.	Date	Author	Revision Description
A	AUG 25, 2022	Patsy Chen	First release

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1. GENERAL INFORMATION

1.1 DESCRIPTION OF UNIT

Manufacturer : CREMAX TECH. CO., LTD.

Sample name : Industrial Rugged Full Metal 2.5" SATA/SAS HDD & SSD Mobile Rack
for External 3.5" Drive Bay with Key Lock & Thumb Screw Design

Model name : MB491SKL-B

Sample quantity : 1 unit

1.2 UNIT OPERATING CONDITION

During operating testing, unit power is on and functioning.

2. VIBRATION TEST

2.1 TEST EQUIPMENT

Model	Serial Number	Calibration Date	Test Location
SHINKEN G-5215NS	SG-5590	JUL 20 2022	No.23, Puding Road

2.2 LABORATORY AMBIENCE CONDITION

Temperature : 25 °C ± 10 °C

Relative humidity : 50 % ± 25 %

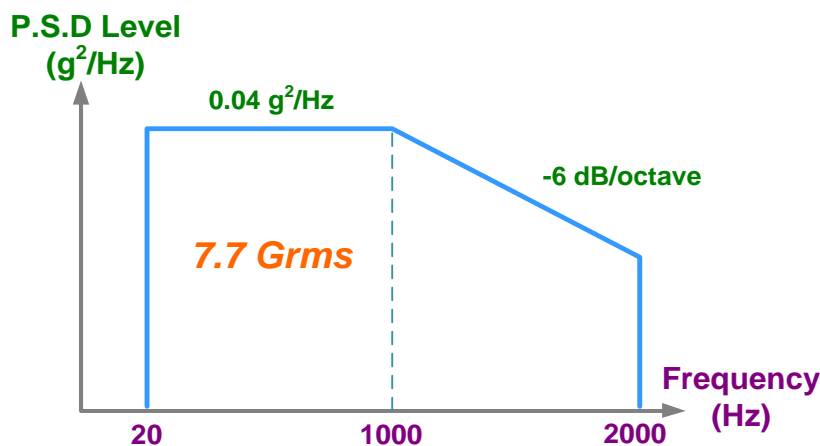
2.3 REFERENCE DOCUMENT

The test refers to MIL-STD-810H Method 514.8 Procedure I (2019)

2.4 TEST CONDITION

Unit is operating.

Vibration waveform : Random waveform



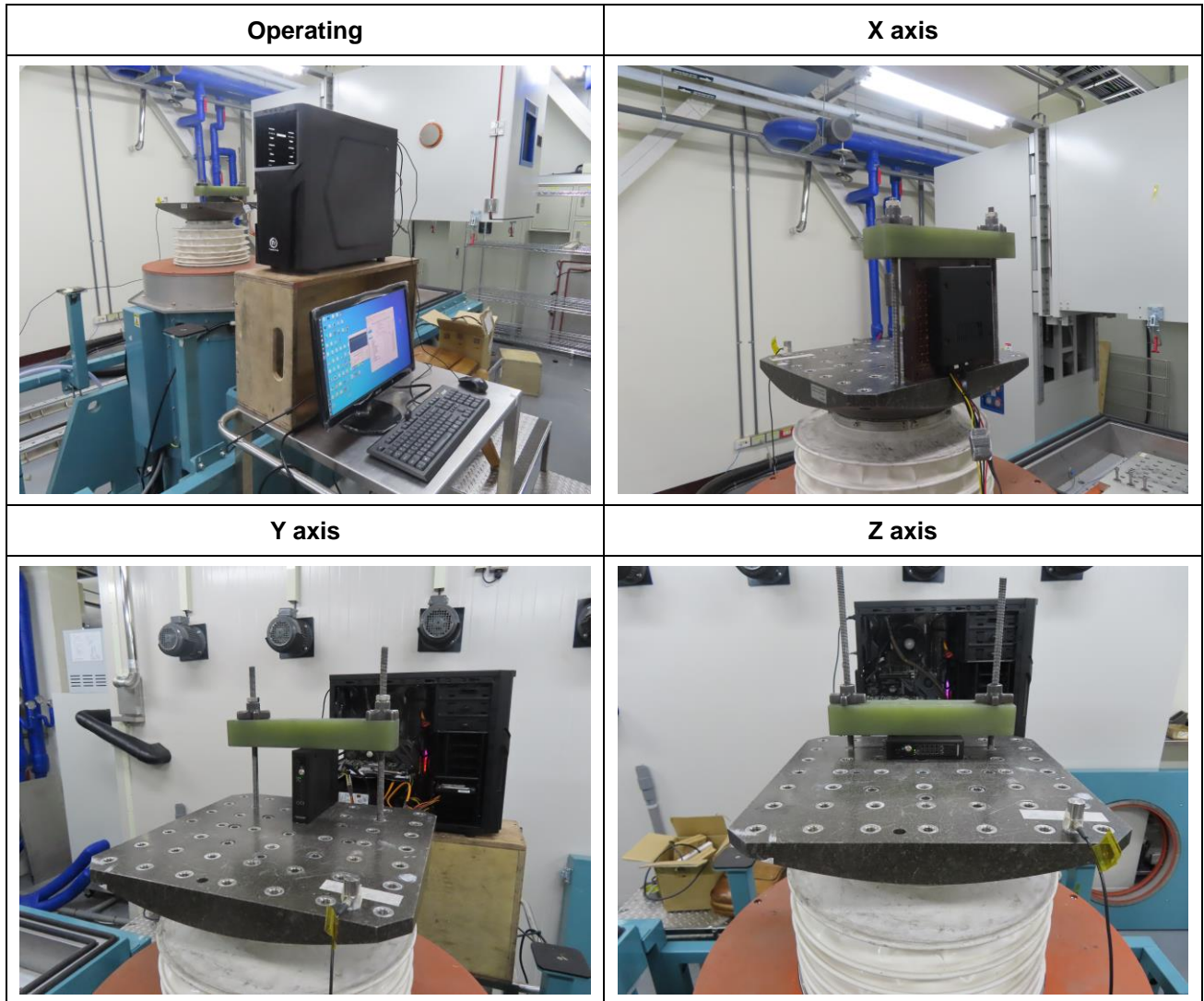
Duration of test : 1 hour for each axis

Vibration axes : X, Y and Z (Rotating each axis on vertical vibration table)

2.5 SUMMARY OF TEST

After testing, visual inspection showed no physical defect and functional degradation on unit.

2.6 PHOTO OF TEST

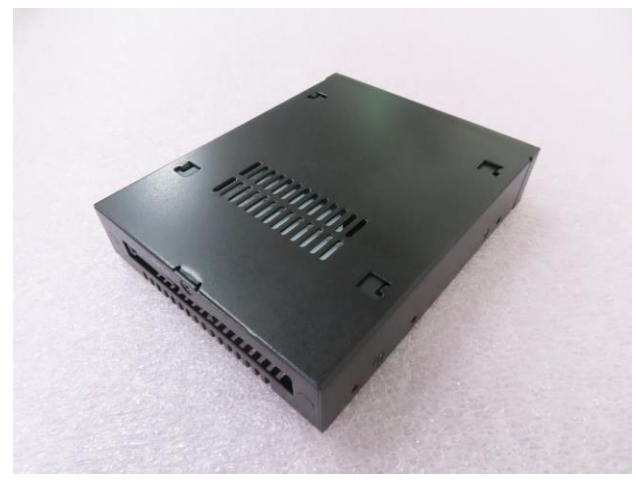
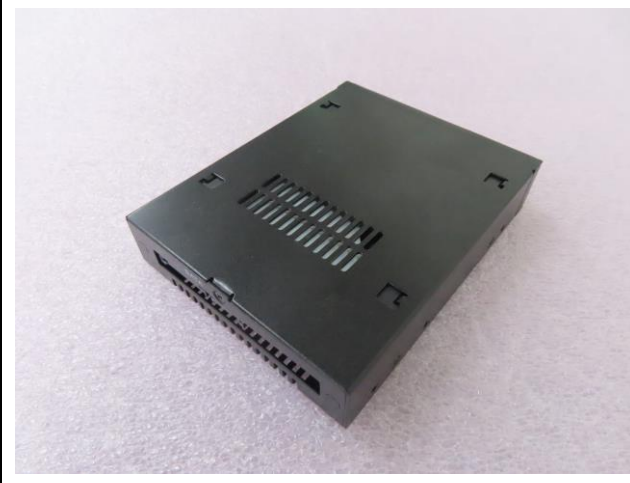


The appearance of unit was normal

Before testing



After testing



The function of unit was normal

Before testing

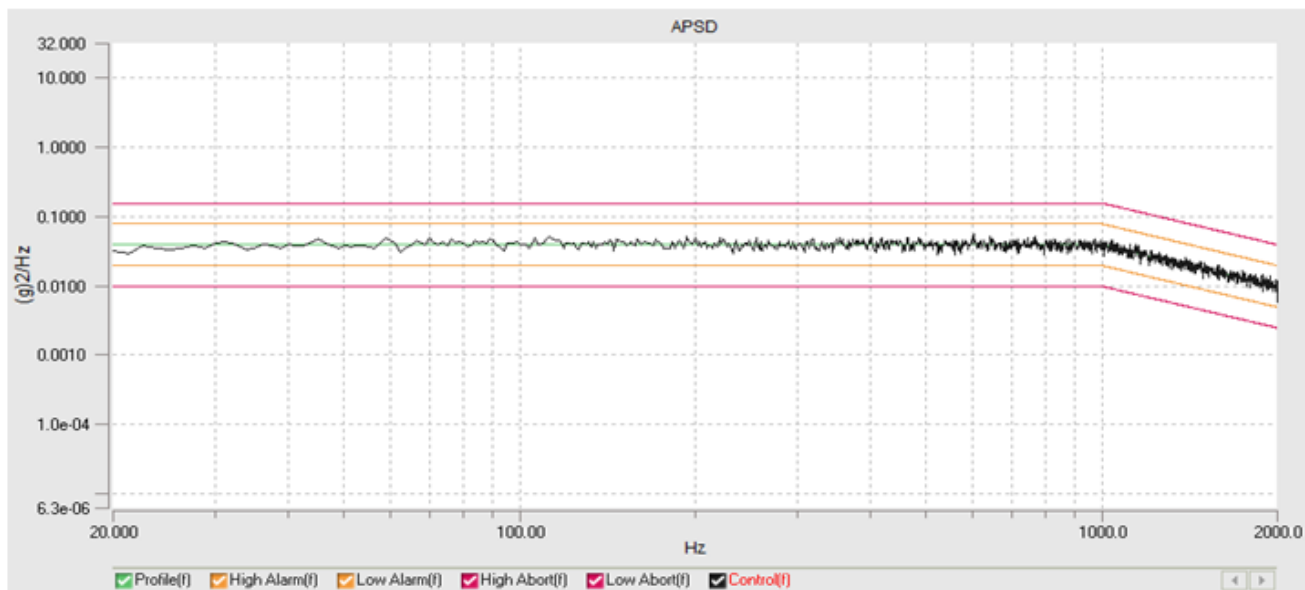


After testing



2.7 GRAPH OF TEST

【X axis】



Current Level:0.00 dB

Demand RMS: 7.692 g

Control RMS:7.701 g

Frame Time:0.8000 (s)

Lines:1600

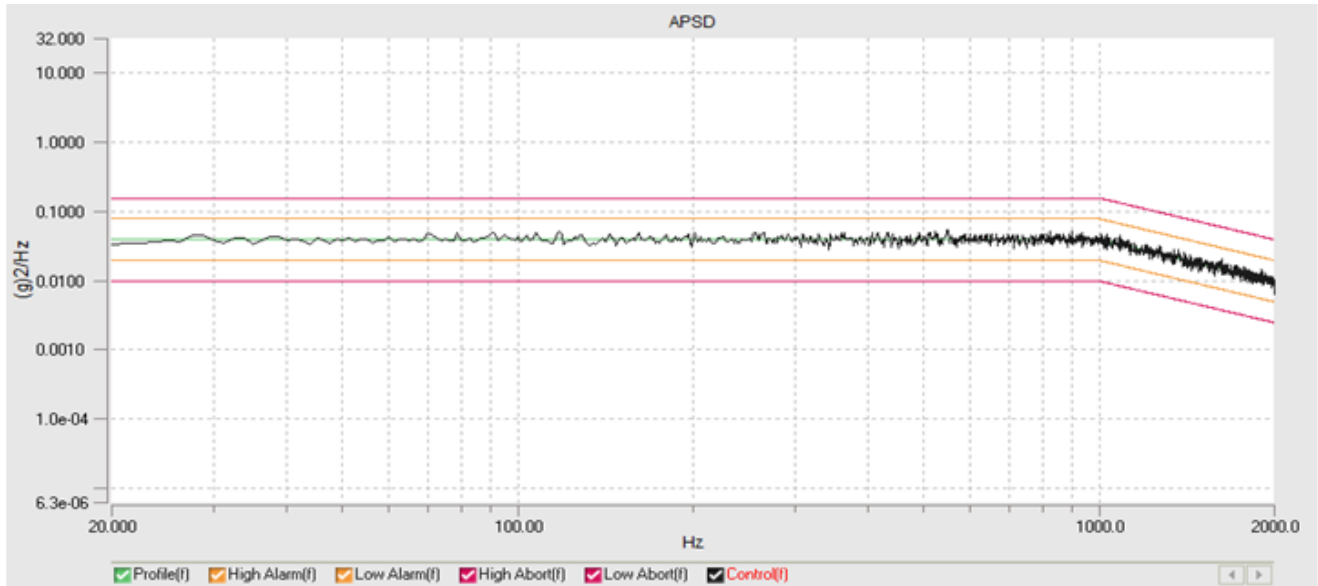
dF:1.3 Hz

DOF:152

Current Level Time:01:00:00

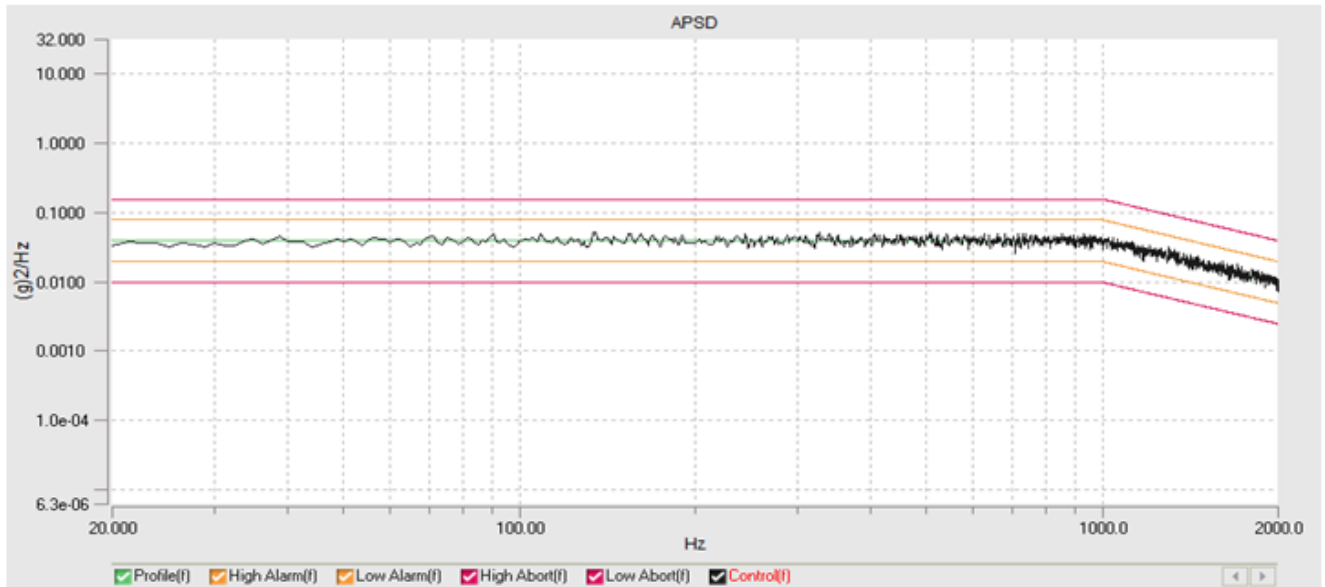
Remaining Time:00:00:00

【Y axis】



Current Level:0.00 dB	Demand RMS: 7.692 g	Control RMS:7.729 g
Frame Time:0.8000 (s)	Lines:1600	dF:1.3 Hz
DOF:152	Current Level Time:01:00:00	Remaining Time:00:00:00

【Z axis】



Current Level:0.00 dB	Demand RMS: 7.692 g	Control RMS:7.708 g
Frame Time:0.8000 (s)	Lines:1600	dF:1.3 Hz
DOF:152	Current Level Time:01:00:00	Remaining Time:00:00:00

--- End of report ---

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