

TEST REPORT

SUBJECT Random Vibration Test

TESTED BY TÜV SÜD Certification and Testing (China) Co., Ltd
Shanghai Branch Testing Center

Environmental and Reliability Laboratory
No.1951, Building 16, Duhui Road, Minhang District
Shanghai 201108, P. R. China

TESTED FOR **SAIPWELL ELECTRIC CO., LTD**
No.19, Building 176 Yanyun Road Marineconomic Development Demonstration
District 325700 Wenzhou, Zhejiang PEOPLE'S REPUBLIC OF CHINA

SAMPLE RECEIVING 19-Jan-2026

TEST PERIOD 20-Jan-2026 to 26-Jan-2026

Prepared By

02-Feb-2026
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Test Engineer

Authorized By

02-Feb-2026
Jiang Jiong
Section Manager

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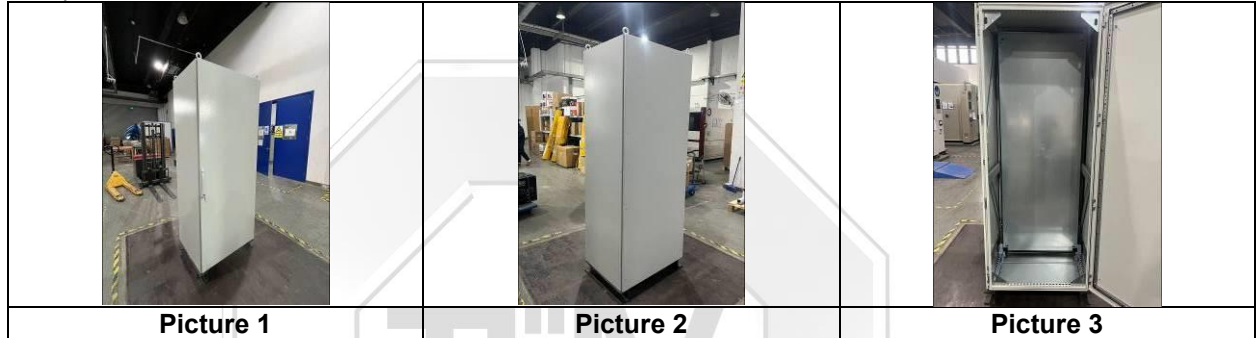
Laboratory:
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1 Sample Information

Sample Name	Switchgear Cabinet
Sample Model	KT802060
Sample Quantity	1 Set
Gross Wight	100kg
Sample Size	L600 x W800 x H2000mm

Sample Picture:



Sample check before test:

Sample No.	Check Results
1#	Product Inspection: - No damage was observed on the product before test.

2 Random Vibration Test

Equipment of Test:

Equipment	Manufacturer	Equipment No.	Cal. Date	Cal. Due Date
Scales	Yongkang	TC-SH-ENV-EQ-078	01-Nov-2025	31-Oct-2026
Steel ruler	Qinhe	TC-SH-ENV-EQ-072	17-Dec-2025	16-Dec-2026
Vibration tester	STI	TC-SH-ENV-EQ-031	20-Aug-2025	19-Aug-2026
Accelerometer	PCB	TC-SH-ENV-EQ-037	22-Apr-2025	21-Apr-2026
Vibration tester	STI	TC-SH-ENV-EQ-032	19-Nov-2025	18-Nov-2026
Accelerometer	PCB	TC-SH-ENV-EQ-039	19-Jun-2025	18-Jun-2026

Lab Environmental Conditions:

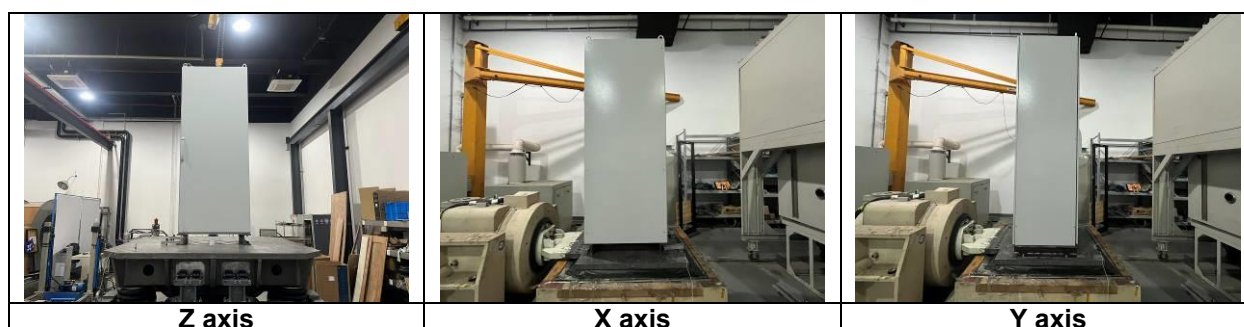
Ambient Temperature: 22°C.
Relative Humidity: 53%RH.

Test Methods/Specification:

Test methods/specification: According to GB/T 2423.10-2008.

Frequency(Hz)	Acceleration (m/s ²)
10	20
55	20
- Test axis: X, Y, Z - Sweep rate: 1Oct/min - Test Duration: 10 Sweeps cycles per axis	

Test Setup:





Test Result:

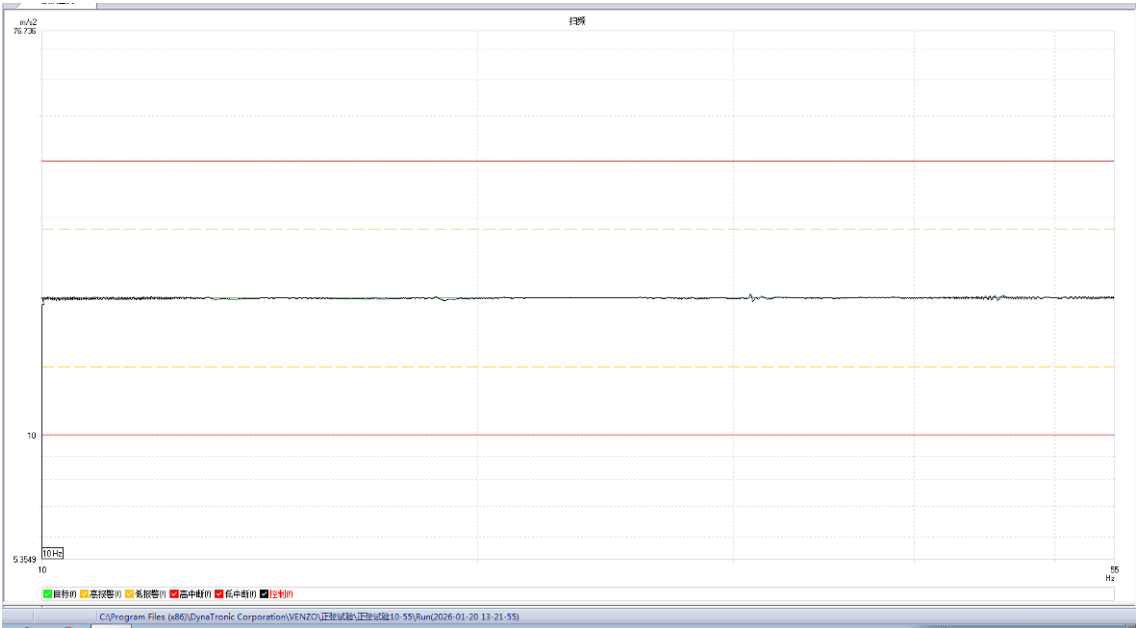
S/N.	Test Result
1#	Product Inspection: - The product appearance was intact with no damage to the cabinet structure after test completed.

Sample pictures after test.

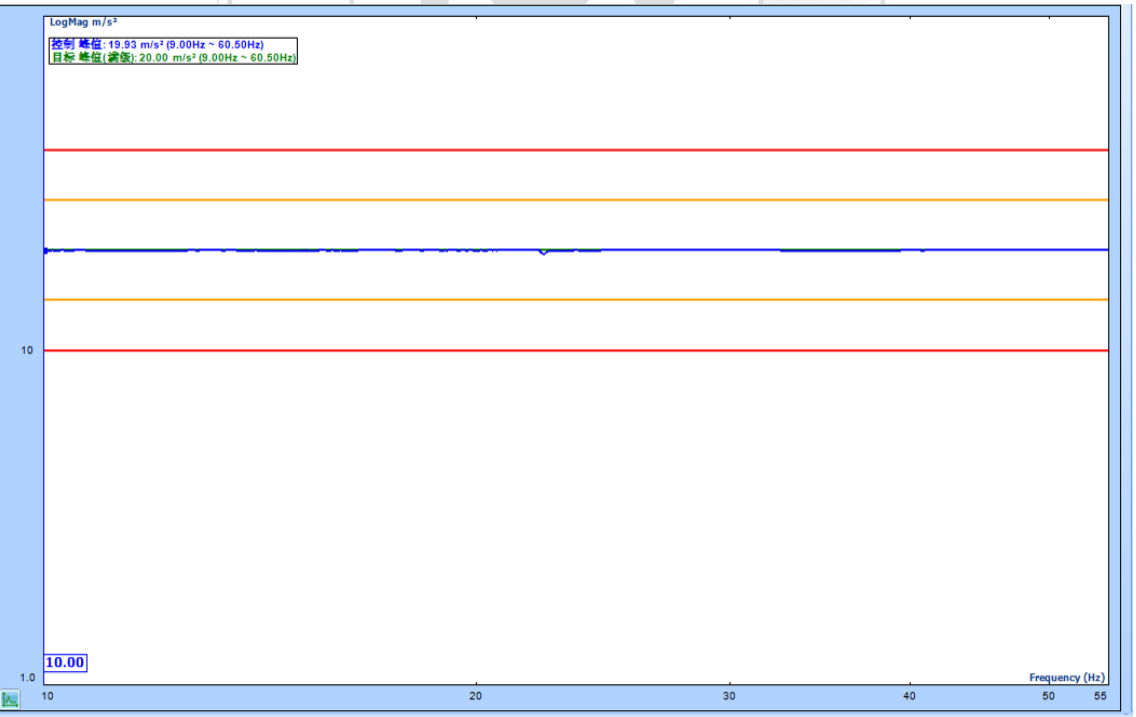
Picture 1	Picture 2	Picture 3
		N/A
Picture 4	Picture 5	Picture 6



Actual Test Profile:



Z axis



X axis



Y axis

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