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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 2424.25-2024

Replacing GB/T 2424.25-2000

**Environmental testing - Part 3: Test guidance - Seismic test
methods**

(English Translation)

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Table of Contents

Preface
Introduction
1 Scope
2 Normative references
3 Terms and Definitions
4 General requirements and matters to be considered in identification
4.1 General and specific earthquake types
4.2 Usage Status
4.3 Fault Judgment Criteria
4.4 Classification Criteria
5 Test requirements
5.1 Installation Requirements
5.2 Measurement requirements
5.3 Frequency range
6 Test waveform selection
6.1 Overview
6.2 Multi-frequency waves
6.3 Single Frequency Wave
7 Test Wave
7.1 General Provisions
7.2 Multi-frequency wave test
7.3 Single frequency test
7.4 Other test waveforms
8 Test conditions
8.1 Vibration Response Check
8.2 Test methods
8.3 Damping Selection
8.4 S1 Earthquake and S2 Earthquake
8.5 Component Testing
8.6 Component Test
9 Uniaxial and multiaxial tests
9.1 Uniaxial test

9.2	Biaxial test
9.3	Triaxial test
10	General earthquake test conditions
11	Calculation method of amplitude of general earthquake test
11.1	General Provisions
11.2	Test conditions
12	General earthquake test parameters
12.1	Duration of the test
12.2	Test acceleration
13	General earthquake response spectrum requirements
14	General earthquake tests
14.1	Vibration Response Check
14.2	Test Types
15	Specific earthquake tests
15.1	Overview
15.2	Multi-frequency waves
15.3	Single Frequency Wave
15.4	Other test waveforms
Appendix A (Informative) Published parts of GB/T 2424	
Appendix B (Informative) Comparison of the structure numbers of this document and IEC 60068-3-3:2019	
Appendix C (Informative) Technical differences between this document and IEC 60068-3-3:2019 and their causes	
Appendix D (Informative) Test Selection Flowchart	
D.1	Test type selection
D.2	General earthquake type-Calculation amplitude test
D.3	Specific earthquake type-uniaxial test
D.4	Specific earthquake type - multiaxial test
Appendix E (Informative) Information and Communication Equipment Earthquake Test Conditions	
E.1	Seismic test method
E.2	Test severity level
E.3	Identification Standards
Appendix F (Informative) Earthquake Test Conditions for Power Equipment	
F.1	Seismic test method
F.2	Test severity level

F.3 Identification Standards

References

Figure 1 Strong earthquake part of the time history Figure 1 Strong earthquake part of the time history

Figure 2 Typical response spectrum envelope

Figure 3 TRS schematic diagram

Figure 4 Continuous sine wave

Figure 5 Test wave sequence

Figure 6 Sine beat frequency superposition of multiple spectra

Figure 7 Inclined single axis table

Figure 8 Schematic diagram of waveform magnification factor

Figure 9 Recommended shape of RRS (logarithmic x logarithmic coordinates)

Figure D.1 Earthquake classification selection

Figure D.2 Calculation Amplitude Test Flowchart

Figure D.3 Uniaxial test flow chart

Figure D.4 Specific earthquake type - multiaxial test

Figure E.1 Information and communication equipment earthquake floor response factor ($\zeta=3\%$)

Table 1 Typical damping ratio (percentage of critical damping value) Table 1 Typical damping ratio (percentage of critical damping value)

Table 2 Selection of test type

Table 3 Ground acceleration magnitude

Table 4 Relationship between earthquake intensity and maximum ground acceleration

Table 5 Recommended superelevation coefficient (K)

Table 6 Directivity coefficient (D)

Table 7 Form Factor

Table B.1 Comparison of structure numbers between this document and IEC 60068-3-3:2019

Table C.1 Technical differences between this document and IEC 60068-3-3:2019 and their reasons

Table E.1 Horizontal axis earthquake response multiple values

Table E.2 Vertical axis earthquake response multiple values

Table E.3 Information and communication equipment seismic performance evaluation table

Table F.1 Maximum horizontal earthquake acceleration

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting is required.

This document is Part 25 of GB/T 2424. For the published parts of GB/T 2424, see Appendix A.

This document replaces GB/T 2424.25-2000 "Environmental testing for electric and electronic products Part 3: Test guidelines for earthquake tests" Compared with GB/T 2424.25-2000, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

Added test waveform selection (see Chapter 6); -Added test waves (see Chapter 7); -Added test conditions (see Chapter 8); -Added uniaxial and multiaxial tests (see Chapter 9); -the ground acceleration has been changed (see 11.2.4, 8.2.4 of the 2000 edition); -Added general earthquake RRS (see Chapter 13); -the standard amplitude conventional test method and related clause content requirements have been deleted (see Chapter 7 of the 2000 edition). -this document is modified to adopt IEC 60068-3-3:2019 "Environmental testing Part 3-3. Supporting documents and guidelines for equipment seismic testing method".

Compared with IEC 60068-3-3:2019, this document has many structural adjustments. A comparison of the structural number changes between the two documents See Appendix B for the table.

This document has many technical differences compared with IEC 60068-3-3:2019. A list of these technical differences and their reasons is given in Appendix C.

The following editorial changes were made to this document.

The name of this document is changed to "Environmental testing Part 3: Test guidelines Seismic test method";

Added informative reference to GB 55002-2021; -the informative reference "GB/T 17742-2020" replaces "IEC TS 62271-210:2013" (see 11.2.4); -Added the informative appendix "Constituent documents of GB/T 2424" (see Appendix A); -Added the informative appendix "List of changes in structure numbers" (see Appendix B); -Added the informative appendix "List of technical differences and their causes" (see Appendix C); -Added the informative appendix "Seismic test conditions for information and communication equipment" (see Appendix E); -Added the informative appendix "Earthquake test conditions for power equipment" (see Appendix F); -Changed references (see References). -