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

GB/Z 6113.3-2019

**Specification for radio disturbance and immunity measuring
apparatus and methods -- Part 3: CISPR technical reports**

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Foreword

GB/T (Z) 6113 "Specifications for Radio Disturbance and Immunity Measurement Equipment and Measurement Methods" is the basic standard for electromagnetic compatibility, and is composed of the following four major

Part of the composition.

Part 1. Radio disturbance and immunity measuring equipment

--- Part 1-1. Radio disturbance and immunity measuring equipment measuring equipment;

--- Part 1-2. Coupling devices for measurement of conducted disturbances in radio disturbance and immunity measuring devices;

--- Part 1-3. Radio disturbance and immunity measuring equipment auxiliary equipment disturbance power;

--- Part 1-4. Radio disturbance and immunity measuring equipment - Radiation disturbance measuring antennas and test sites;

--- Part 1-5. Radio disturbance and immunity measuring equipment 5MHz~18GHz antenna calibration site and reference test

site;

---Parts 1-6. EMC antenna calibration for radio disturbance and immunity measuring equipment.

Part 2. Radio disturbance and immunity measurement methods

--- Part 2-1. Radio disturbance and immunity measurement methods - Conductive disturbance measurement;

--- Part 2-2. Radio disturbance and immunity measurement methods - Harassment power measurement;

--- Part 2-3. Radio disturbance and immunity measurement method Radiative disturbance measurement;

--- Part 2-4. Radio disturbance and immunity measurement methods - Immunity measurement;

--- Part 2-5. Field measurement of large equipment harassment emissions.

Part 3. Technical report on radio disturbance and immunity measurement

--- Part 3. Technical report on radio disturbance and immunity measurement.

Part 4. Uncertainty, statistics, and limit modeling

--- Part 4-1. Uncertainty, statistical and limit modeling Modeling EMC test uncertainty;

--- Part 4-2. Uncertainty, statistics and limits modeling uncertainty of equipment and facilities;

--- Part 4-3. Uncertainty, statistics and limits modeling statistical considerations for the determination of EMC compliance for batch products;

--- Part 4-4. Calculation models for statistical and limit values for uncertainty, statistics and limit modeling;

--- Part 4-5. Uncertainty, statistics and limits modeling conditions for the use of alternative test methods.

This part is the third part of GB/T (Z) 6113.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part replaces GB /Z 6113.3-2006 "Radio disturbance and immunity measurement equipment and measurement methods - Part 3. Wireless

Technical Report on Electrical Disturbance and Immunity Measurement, the main technical changes compared with GB /Z 6113.3-2006 are as follows.

--- Added six terms such as "weighting (for example, weighting for impulse harassment)";

--- Increased the correlation between 4.7 "Amplitude Probability Distribution (APD) characteristics of harassment and the performance of digital communication systems";

--- Added 4.8 "Measurement Receiver RMS Value - Background Information Defined by Average Weighted Detector";

--- Added 4.9 "Common Mode Absorption Device (CMAD)";

--- Added 4.10 "background information based on FFT receiver definition";

--- Added 4.11 "Signal parameters of the telecom port";

--- Added 4.12 "Background information for CDNE devices and measurement methods".

This section uses the translation method equivalent to CISPRTR16-3.2015 "Radio Disturbance and Immunity Measurement Equipment and Measurement Method

Specification

Part 3. CISPR Technical Report.

The documents of our country that have a consistent correspondence with the international documents referenced in this part are as follows.

---GB 4824-2013 Industrial, Scientific and Medical (ISM) Radio Frequency Equipment Harassment Characteristics Limits and Measurement Methods (CISPR

11.2010, IDT)

--- GB/T 6113.101-2016 Radio disturbance and immunity measuring equipment and measuring methods - Part 1-1. Radio

Harassment and Immunity Measurement Equipment Measurement Equipment (CISPR16-1-1..2010, IDT)

This section has made the following editorial changes.

--- For the sake of understanding, the definition of "slipback peak" is added in Table 1.

This part is proposed and managed by the National Radio Interference Standardization Technical Committee (SAC/TC79).

This section drafted by. China Electronics Technology Standardization Institute, Ministry of Industry and Information Technology Electronics Fifth Institute, Southeast University, Beijing Post

Electric University, Beijing Jiaotong University, Beijing Radio Measurement and Testing Institute, China Institute of Metrology, Ningbo Entry-Exit Inspection and Quarantine Bureau

Quarantine Technology Center, Jiangsu Institute of Metrology, China Quality Certification Center, Dalian Product Quality Inspection Institute, Tianjin Radio

Monitoring Station, Shanghai Medical Device Testing Institute, Zhejiang Nuoyi Technology Co., Ltd., Zhongjiayuan (Beijing) Testing and Certification Co., Ltd., Beijing Zunguan Branch

Technology Co., Ltd., Shanghai Electric Apparatus Research Institute (Group) Co., Ltd., China Automotive Engineering Research Institute Co., Ltd.

1 Scope

This part of GB/T (Z) 6113 contains technical reports providing background information and supporting information for other parts of GB/T (Z) 6113

(Chapter 4). In addition, this section also gives historical information about CISPR (Special Committee on Radio Interference) and at VHF.

(VHF) Range Historical reference material for measuring the interference power of

household appliances and similar appliances (Chapter 5).

Over the years, CISPR has produced a large number of proposals and reports, which are of great technical value, but people generally do not have it. These ones

Reports and Recommendations were temporarily published in CISPR Publication No. 7 and CISPR Publication No. 8.

At the CISPR meeting in Campinas, Brazil, in 1988, the CISPR chapter focused on the content of this section, and

These reports were presented in a permanent location in Part 3 of GB/T (Z) 6113, and these reports were published to show that future generations reached consensus.

Note. This section consists of independent technical reports, and the symbols used may have different meanings in each chapter. This difference has been reduced to as much as possible

The smallest.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2900.77-2008 Electrotechnical terminology - Electrotechnical measurement and instrumentation - Part 1

[IEC 60050 (300-311)..2001, IDT]

GB/T 2900.79-2008 Electrotechnical terminology - Electrotechnical measurement and instrumentation - Part 3

[IEC 60050 (300-313)..2001, IDT]

GB/T 2900.89-2012 Electrotechnical terminology - Electrotechnical measurement and instrumentation - Part 2. General terms

[IEC 60050 (300-312)..2001, IDT]

GB/T 2900.90-2012 Electrotechnical terminology - Electrical and electronic measurement and instrumentation - Part 4

[IEC 60050 (300-314)..2001, IDT]

GB/T 4365-2003 Electrotechnical terminology electromagnetic compatibility [IEC 60050 (161)..1990, IDT]