

ICS 33.100  
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**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB/T 6113.202-2018**

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**Specification for radio disturbance and immunity measuring apparatus  
and methods -- Part 2-2: Methods of measurement of disturbances and  
immunity -- Measurement of disturbance power**

**Issued on: July 13, 2018**

**Implemented on: February 1, 2019**

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**Issued by: State Administration for Market Regulation, China National  
Standardization Administration**

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### Foreword

GB/T 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 departments.

Sub-composition.

Part 1. Specification for radio disturbance and immunity measuring equipment

--- Part 1-1. Measurement equipment for radio disturbance and immunity 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 30MHz~1000MHz antenna calibration test site;

---Part 1-6. EMC antenna calibration.

## 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 methods - Radiance 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 part 2-2 of GB/T 6113.

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

This part replaces GB/T 6113.202-2008 "Specifications for Radio Disturbance and Immunity Measurement Equipment and Measurement Methods Part 2-2.

Radio disturbance and immunity measurement method for disturbance power measurement, compared with GB/T 6113.202-2008, the main technical changes are as follows.

--- Part of the normative reference file has changed;

--- Added 8 terms (3.3 Measurement Auxiliary Equipment, 3.15 Measurement, 3.21 Test, 3.23.1 Weighted Disturbance Measurement, 3.23.2 Weighted Special

Sex, 3.23.3 weighted detector, 3.23.4 weighting factor and 3.25 weighting function), deleted a term (formerly 3.5 grounding parameters)

Test), some terms have been revised, and the term number has been updated compared to the previous version;

--- Chapter 6, Chapter 8 to increase the description of the emission measurement method of the FFT-based measuring instrument;

--- Added Appendix C "Scan Rate and Measurement Time Using Average Detector";

--- Added Appendix D "Validation of Applicability of Spectrum Analyzers for Compliance Testing".

This section uses the translation method equivalent to CISPR16-2-2.2010 "Radio Disturbance and Immunity Measurement Equipment and Measurement Method Specification

Part 2-2. Radio disturbance and immunity measurement method for disturbance power measurement.

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

--- GB/T 6113.104-2016 Radio disturbance and immunity measuring equipment and measuring methods - Part 1-4. Radio

Harassment and immunity measuring equipment for radiation disturbance measurement antennas and test sites (CISPR16-1-4..2012, IDT);

--- GB/T 6113.402-2018 Radio disturbance and immunity measurement equipment and methods of measurement - Part 4-2. Uncertain

Degree, statistics, and limits model the uncertainty of equipment and facilities (CISPR16-4-2.2014, IDT).

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

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## 1 Scope

This part of GB/T 6113 specifies the method of measuring the disturbance power using an absorption clamp in the frequency range of 30 MHz to 1000 MHz.

Note. According to the IEC 107 guidelines, CISPR16-2-2 is the basic EMC standard used by the IEC product committee. As stated in the IEC 107 guidelines, products

The committee is responsible for determining the applicability of this EMC standard. CISPR and its subcommittees (corresponding to the domestic SAC/TC79 technical committee)

And its subcommittees) work with these product committees to assess the value of specific trials for their specific products. The above product committee corresponds

Domestic related product technical committee.

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

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

And immunity measuring equipment measuring equipment (CISPR16-1-1..2010, IDT)

GB/T 6113.103-2008 - Radio disturbance and immunity measuring equipment and measuring methods - Part 1-3. Radio disturbance

And immunity measurement equipment auxiliary equipment disturbance power (CISPR16-1-3.2004, IDT)

CISPR16-1-4 Radio disturbance and immunity measuring equipment and methods of measurement - Part 1-4. Radio disturbance and immunity

Radiation disturbance measurement antenna and test site for measuring equipment (Specification for radio disturbance and immunity

measuring apparatus and methods - Part

1-4. Radio disturbance and immunity measuring apparatus -

Antennas and test sites for radiated disturbance measurements)

CISPR16-4-2 Specification for Radioacoustic and Immunity Measurement Equipment and