

ICS 33.100



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

GB/T 6113.201-2025

**Specification for radio disturbance and immunity measuring apparatus
and methods - Part 2-1: Methods of measurement of disturbances and
immunity - Conducted disturbance measurements**

无线电骚扰和抗扰度测量设备和测量方法规范 第2-1部分：无线电骚扰和抗扰度
测量方法 传导骚扰测量

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Foreword

GB/T 6113 Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods is a basic standard on electromagnetic compatibility. It is composed of the following four parts.

Part 1: Radio Disturbance and Immunity Measuring Apparatus

---Part 1-1.Radio Disturbance and Immunity Measuring Apparatus - Measuring Equipment;

---Part 1-2.Radio Disturbance and Immunity Measuring Apparatus - Coupling Devices for Conducted Disturbance Measurements;

---Part 1-3.Radio Disturbance and Immunity Measuring Apparatus - Ancillary Equipment - Disturbances Power;

---Part 1-4.Radio Disturbance and Immunity Measuring Apparatus - Radiated Disturbance Measuring Antenna and Test Site;

---Part 1-5.Radio Disturbance and Immunity Measuring Apparatus - Antenna Calibration Sites and Reference Test Sites for 30 MHz ~ 1,000 MHz;

---Part 1-6.Radio Disturbance and Immunity Measuring Apparatus - EMC Antenna Calibration.

Part 2: Methods of Measurement of Disturbances and Immunity

---Part 2-1.Methods of Measurement of Disturbances and Immunity - Conducted Disturbance Measurements;

---Part 2-2.Methods of Measurement of Disturbances and Immunity - Measurement of Disturbance Power;

---Part 2-3.Methods of Measurement of Disturbances and Immunity - Radiated Disturbance Measurements;

---Part 2-4.Methods of Measurement of Disturbances and Immunity - Immunity Measurements;

---Part 2-5.In Situ Measurements of Disturbing Emissions Produced by Physically Large Equipment.

Part 3: CISPR Technical Reports

---Part 3: CISPR Technical Reports.

Part 4: Uncertainties, Statistics and Limit Modeling

---Part 4-1.Uncertainties, Statistics and Limit Modeling - Uncertainties in Standardized EMC Tests;

---Part 4-2.Uncertainties, Statistics and Limit Modeling - Measurement Instrumentation Uncertainty;

---Part 4-3.Uncertainties, Statistics and Limit Modeling - Statistical Considerations in the Determination of EMC Compliance of Mass-produced Products;

---Part 4-4.Uncertainties, Statistics and Limit Modeling - Statistics of Complaints and a Model for the Calculation of Limits;

---Part 4-5.Uncertainties, Statistics and Limit Modeling - Conditions for the Use of Alternative Test Methods.

This is Part 2-1 of GB/T 6113.

This Part was drafted in accordance with the rules in GB/T 1.1-2009.

This Part serves as a replacement of GB/T 6113.201-2017 Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods - Part 2-1.Methods of Measurement of Disturbances and Immunity - Conducted Disturbance Measurements. In comparison with GB/T 6113.201-2017, the main technical changes are as follows.

---In accordance with the principle of equivalence, "NOTE" is added to the Scope to reflect

the status of the EMC basic standard, and the relations between the product (category) standards of the relevant horizontal technical committees and the basic standard, and to consider necessary cooperation in the formulation of EMC standards;

---Four terms and definitions are added (see Chapter 3);

---Abbreviations are added (see 3.2);

---EUT arrangement is added (see 6.4.1);

---The working status of multi-function equipment is added (see 6.4.7);

---The determination of EUT arrangement that maximizes emissions is added (see 6.4.8);

---The recording of measurement results is added (see 6.4.9);

---The test set-up and measurement procedure using the CDNE in the frequency range 30 MHz ~ 300 MHz are added (see Chapter 9);

---The basic requirements for measurements on telecommunications ports are added (see Appendix G);

---The specific guidance for conducted disturbance measurements on telecommunication ports is added (see Appendix H);

---Examples of AANs and ANs used for screened cables are added (see Appendix I).

This Part adopts the translation method in the equivalent adoption of CISPR 16-2-1.2014 Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods - Part 2-1.Methods of Measurement of Disturbances and Immunity - Conducted Disturbance Measurements.

The Chinese documents that have a consistent correspondence with the international documents normatively quoted in this Part are as follows.

---GB 4343.1-2018 Electromagnetic Compatibility Requirements for Household Appliances, Electric Tools and Similar Apparatus - Part 1: Emission (CISPR 14-1.2011, IDT);

---GB/T 4365-2003 Electro-technical Terminology - Electromagnetic Compatibility (IEC 60050 (161).1990, IDT);

---GB/T 6113.102-2008 Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods - Part 1-2.Radio Disturbance and Immunity Measuring Apparatus - Ancillary Equipment - Conducted Disturbance (CISPR 16-1-2.2006, IDT);

---GB/T 6113.402-2018 Specification for Radio Disturbance and Immunity Measuring Apparatus and Methods - Part 4-2.Uncertainties, Statistics and Limit Modeling -Measurement Instrumentation Uncertainty (CISPR 16-4-2.2014, IDT).

This Part was proposed by and shall be under the jurisdiction of National Technical