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NATIONAL STANDARD OF THE
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GB/T 6113.103-2008 / CISPR 16-1-3:2004

Partially replacing GB/T 6113.1-1995

**Specification for radio disturbance and immunity
measuring apparatus and methods - Part 1-3: Radio
disturbance and immunity measuring apparatus -
Ancillary equipment - Disturbances power**

无线电骚扰和抗扰度测量设备和测量方法规范

第 1-3 部分：无线电骚扰和抗扰度测量设备 辅助设备 骚扰功率

(CISPR 16-1-3:2004, IDT)

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Foreword

GB/T 6113.103 is identical to CISPR 16-1-3:2004 “Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbance power” (2.0 edition).

In view of the fact that IEC/CISPR 16 is the basic standard of electromagnetic compatibility series, and it has a large space and many contents, in order to facilitate the development, maintenance, and use of standards, in 2002, IEC/CISPR subcommittee A decided to make major adjustments to the structure of the standard. The previous 4 parts were split into 14 parts, which were increased to 15 parts in 2006 and have been released successively since November 2003. China, based on the doctrine of equivalents, will gradually complete the development and revision of corresponding national standards. The new and old national standards in this series of standards and their correspondence with the IEC/CISPR 16 series of standards/publications are as follows:

Old standard number and name	New standard number and name
GB/T 6113.1-1995 (eqv CISPR 16-1:1993) “Specifications for radio disturbance and immunity measuring apparatus”	GB/T 6113.101-2008 (CISPR 16-1-1:2006, IDT) Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus
	GB/T 6113.102-2008 (CISPR 16-1-2:2006, IDT) Part 1-2: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Conducted disturbances
	GB/T 6113.103-2008 (CISPR 16-1-3:2004, IDT)¹⁾ Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbances power
	GB/T 6113.104-2008 (CISPR 16-1-4:2005, IDT) Part 1-4: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Radiated disturbances
	GB/T 6113.105-2008 (CISPR 16-1-5:2003, IDT) Part 1-5: Radio disturbance and immunity measuring apparatus - Antenna calibration test sites for 30 MHz to 1 000 MHz
GB/T 6113.2-1998 (eqv CISPR 16-2:1996) “Methods of measurement of radio disturbance and immunity”	GB/T 6113.201-2008 (CISPR 16-2-1:2003, IDT) Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements

Old standard number and name	New standard number and name
GB/T 6113.2-1998 (eqv CISPR 16-2:1996) "Methods of measurement of radio disturbance and immunity"	GB/T 6113.202-2008 (CISPR 16-2-2:2004, IDT) Part 2-2: Methods of measurement of disturbances and immunity - Measurement of disturbance power
	GB/T 6113.203-2008 (CISPR 16-2-3:2003, IDT) Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements
	GB/T 6113.204-2008 (CISPR 16-2-4:2003, IDT) Part 2-4: Methods of measurement of disturbances and immunity - Immunity measurements
CISPR 16-3:2000 Reports and recommendations of CISPR	GB/Z 6113.3-2006 (CISPR 16-3:2003, IDT) Part 3: CISPR technical report
CISPR 16-4:2002 Uncertainty in EMC measurements	GB/Z 6113.401-2007 (CISPR 16-4-1/TR:2005, IDT) Part 4-1: Uncertainties, statistics and limit modelling - Uncertainties in standardized EMC tests
	GB/T 6113.402-2006 (CISPR 16-4-2:2003, IDT) Part 4-2: Uncertainties, statistics and limit modelling - Measurement instrumentation Uncertainty
	GB/Z 6113.403-2007 (CISPR 16-4-3/TR:2004, IDT) Part 4-3: Uncertainties, statistics and limit modelling - Statistical considerations in the determination of EMC compliance of mass-produced
	GB/Z 6113.404-2007 (CISPR 16-4-4/TR:2003, IDT) Part 4-4: Uncertainties, statistics and limit modelling - Statistics of complaints and a model for the calculation of limits
	GB/Z 6113.405 (CISPR 16-4-5:2006, IDT) ²⁾ Part 4-5: Uncertainties, statistics and limit modelling - Conditions for the use of alternative test methods
1) The boldface is this Part of the standard; 2) To be developed. Note 1: The names of the national standards other than GB/T 6113.103 in the table shall be based on the standard names issued after developing and revising. Note 2: Before the CISPR 16 series of standards adjustments, there were no national standards corresponding to CISPR 16-3 and CISPR 16-4.	

This Part of GB/T 6113, from the date of release, is combined with GB/T 6113.101-2008, GB/T 6113.102-2008, GB/T 6113.104-2008, and GB/T 6113.105-2008 to replace GB/T 6113.1-1995.

Compared with the corresponding contents of GB/T 6113.1-1995, this Part has changed mainly in the following aspects:

- a) ADD abbreviations, to simplify the narrative in the text;
- b) MAKE it clear that 2 parameters of the absorbing clamp factor and the decoupling factor are used to standardize and measure the characteristics of absorbing clamp;
- c) ADD 3 calibration methods for absorbing clamps; and GIVE their relations to each other;
- d) ADD validation of in-situ test site and compliance check of the absorbing clamp after calibration at the test site;
- e) ADD description of the secondary absorbing device;
- f) ADD quality assurance procedures for the absorbing clamp measurement system: period check;
- h) For the convenience of the reader, on the basis of the equivalent standard, ADD Annex NA "Comparison of the relevant clause-subclause of GB/T 6113.103-2008 and GB/T 6113.1-1995";
- i) This Part covers the content of the CISPR 16-1-3 corrigenda published in 2006.

Annex A of this Part is informative. Annex B and Annex C are normative.

This Part was proposed by and shall be under the jurisdiction of National Technical Committee 79 on Radio Interference of Standardization Administration of China.

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Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbances power

1 Scope

This Part of GB/T 6113 is designated a basic standard, which specifies the characteristics and calibration method of the absorbing clamp for the measurement of radio disturbance power in the frequency range 30 MHz to 1 GHz.

2 Normative references

The following documents contain the provisions which, through reference in this Part of GB/T 6113, become the provisions of this Part. For the dated references, their subsequent amendments (excluding corrections) or revisions do not apply to this Part. However, the parties who enter into agreement based on this Part are encouraged to investigate whether the latest editions of these documents are applicable. For undated reference documents, the latest editions apply to this Part.

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 disturbances (CISPR 16-1-2:2006, IDT)

GB/T 6113.202-2008 Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-2: Methods of measurement of disturbances and immunity - Measurement of disturbance power (CISPR 16-2-2:2004, IDT)

GB/T 6113.402-2006 Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-2: Uncertainties, statistics and limit modelling - Measurement instrumentation Uncertainty (CISPR 16-4-2:2003, IDT)

GB/T 4365-2003 Electrotechnical terminology - Electromagnetic compatibility (IEC 60050(161):1990, IDT)

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