



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

GB/T 6113.103-2021

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

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Foreword

This document is drafted in accordance with GB/T 1.1-2020 "Directives for standardization - Part 1: Rules for the structure and drafting of standardizing documents".

GB/T(Z) 6113 "Specification for radio disturbance and immunity measuring apparatus and methods" is the basic standard of electromagnetic compatibility.

This document is Part 1-3 of GB/T(Z) 6113. GB/T(Z) 6113 has issued the following parts:

Part 1: Radio disturbance and immunity measuring apparatus

- Part 1-1: Radio disturbance and immunity measuring apparatus -
Measuring apparatus;

- 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 - Antennas and test sites for radiated disturbance measurements;
- Part 1-5: Radio disturbance and immunity measuring apparatus - Antenna calibration sites and reference test sites for 5 MHz to 18 GHz;
- 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 modelling

- Part 4-1: Uncertainties, statistics and limit modelling - Uncertainties in standardized EMC tests;
- Part 4-2: Uncertainties, statistics and limit modelling - Measurement instrumentation uncertainty;
- Part 4-3: Uncertainties, statistics and limit modelling - Statistical considerations in the determination of EMC compliance of mass-

produced products;

- Part 4-4: Uncertainties, statistics and limit modelling - Statistics of complaints and a model for the calculation of limits;
- Part 4-5: Uncertainties, statistics and limit modelling - Conditions for the use of alternative test methods.

This document replaces GB/T 6113.103-2008 "Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbances power". Compared with GB/T 6113.103-2008, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- Update the normative references (see Clause 2; Clause 2 of the 2008 edition);
- Delete the abbreviation "reference conversion factor" (see 3.2 of the 2008 edition);
- Delete the content related to the "reference device method" (see 4.3 of the

2008 edition);

- Modify Figures B.3 and B.4 (see Annex B; Annex B of the 2008 edition);
- Add Figure B.5b) (see Annex B).

This document, using translation method, is identical to CISPR 16-1-3:2016 "Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbance power".

China's documents which have a consistent correspondence with the international documents normatively referenced in this document are as follows:

- GB/T 6113.102-2018 Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-2: Radio disturbance and immunity measuring apparatus - Coupling devices for conducted

disturbance measurements (CISPR 16-1-2:2014, IDT)

- GB/T 6113.202-2018 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 16-2-2:2010, IDT)
- GB/T 6113.402-2018 Specification for radio disturbance and immunity measuring apparatus and methods - Part 4-2: Uncertainties, statistics and limit modelling - Measurement instrumentation uncertainty (CISPR 16-4-2:2014, IDT)

The following editorial change has been made to this document:

- In order to facilitate the reader's citation, change the CISPR NSA in the international standard B.2.1.1 to reference to the GB/T 6113.104-2016 NSA requirements and include it in Clause 2.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. The issuing authority of this document shall not be held responsible for identifying any or all such patent rights.

This document was proposed by and shall be under the jurisdiction of National Technical Committee 79 on Radio Interference of Standardization Administration of China (SAC/TC 79).

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