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

GB/T 6113.104-2025

**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**

无线电骚扰和抗扰度测量设备和测量方法规范 第1-4部分：无线电骚扰和抗扰度
测量设备 辐射骚扰测量用天线和试验场地

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Foreword

This document was drafted as per the rules specified in 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 for electromagnetic compatibility.

This Document is Part 1-4 of GB/T (Z) 6113.GB/T (Z) 6113 has published 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 - Disturbance 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 5MHz ~ 18GHz;

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

Part 2: Methods of Measurement of Radio Disturbance and Immunity

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

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

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

--- Part 2-4.Methods of Measurement of Radio Disturbance and Immunity - Immunity Measurement;

--- Part 2-5.On-site Measurement of Disturbance Emission from Large Equipment.

Part 3: CISPR Technical Reports

--- Part 3: CISPR Technical Reports.

Part 4: Uncertainties, Statics and Limit Modelling

--- Part 4-1.Uncertainties, Statics and Limit Modelling - Uncertainty of Standardized EMC Testing;

--- Part 4-2.Uncertainties, Statics and Limit Modelling - Measurement Instrumentation Uncertainty;

--- Part 4-3.Uncertainties, Statics and Limit Modelling - Statistical Considerations for the Determination of EMC Compliance of Bulk Products;

--- Part 4-4.Uncertainties, Statics and Limit Modelling - Complaint Statistics and Calculation Model of Limits;

--- Part 4-5.Uncertainties, Statics and Limit Modelling - Conditions of Use for Alternative Test Methods.

This Document replaced GB/T 6113.104-2016 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.

Compared with GB/T 6113.104-2016, the major technical changes of this Document are as follows besides the structural adjustment and editorial modifications.

--- Add three terms such as "tested equipment space", etc.; and delete the term "free space antenna coefficient" (see 3.1 of this Edition; 3.1 of 2016 Edition);

--- Change the measurement method of antenna symmetry (see 4.5.4 of this Edition; 4.5.4 of 2016 Edition);

--- Change the measurement method of cross-polarization (see 4.5.5 of this Edition; 4.5.5 of

2016 Edition);

--- Increase the lobe pattern requirements of the 1GHz~18GHz receiving antenna (see 4.6.2.2 and 4.6.2.3 of this Edition);

--- Increase the NSA value for the measurement distance of 5m (see 6.5.1 of this Edition);

--- Change the relevant content of Annex A (see Annex A of this Edition; Annex A of 2016 Edition);

--- Delete the main text of Annex B (see Annex B of 2016 Edition).

This Document used the translation method to equivalently adopt CISPR 16-1-4:2019 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.

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