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**Guidance for intermediate checks of electromagnetic  
compatibility testing equipment**

电磁兼容检测用设备期间核查指南

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## Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

### Foreword

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1. Structure and Drafting Rules of Standardization Documents" Drafting. Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents. This document is proposed and managed by the National Radio Interference Standardization Technical Committee (SAC/TC79). This document is drafted by: China Electronics Standardization Institute, China National Accreditation Center for Conformity Assessment, China Automotive Engineering Research Institute Co., Ltd., Zhongjiayuan (Beijing) Testing and Certification Co., Ltd., China Metrology Research Institute, Shanghai Institute of Metrology and Testing Technology, Dalian Product Quality Inspection and Testing Research Institute Co., Ltd., Shanghai Tianwei Certification Technology Co., Ltd., Suzhou Test Electronic Technology Co., Ltd., China Academy of Information and Communications Technology, Nanjing Rongcha Testing Technology Co., Ltd., China Automotive Research Institute New Energy Vehicle Inspection Center (Tianjin) Co., Ltd., Ningbo Customs Technology Center, Jiangsu Institute of Metrology, ZTE Corporation, CCIC Western Inspection Co., Ltd., CLP Kesi Instrument Co., Ltd. Technology Co., Ltd., Beijing Radio Measurement and Testing Institute, Xi'an Su Shi Guangbo Environmental Reliability Laboratory Co., Ltd., China Electric Power Research Institute Research Institute Co., Ltd., China Household Electrical Appliances Research Institute, Shanghai Haojing Automobile Testing Technology Co., Ltd., State Grid Electric Power Research Institute Co., Ltd. Company, Shenzhen Magixun Technology Co., Ltd., the Third Research Institute of the Ministry of Public Security, Shanghai Shirui Electronic Technology Co., Ltd., Shanghai Electrical Apparatus Research Institute (Group) Co., Ltd., Liaoning Medical Device Inspection and Testing Institute, Fujian Provincial Institute of Metrology, Shanghai Medical Device Testing Institute. The main drafters of this document. Cui Qiang, Jin Dong, Zhang Bainian, Li Yan, Xie Ming, Fu Jun, Li Jinlong, Huang Pan, Xu Dan, Ye Chang, Zhang Fengxian, Hu Xiaojun, An Shaogeng, Yi Pufei, Gao Jianlong, He Peng, Deng Lingxiang, Guan Bin, Zheng Wensheng, Liu Enxiao, Liu Jia, Ma Weiyu, Li Haiyang, Yang Zhichao, Li Ni, Qi Xin, Kang Wei, Zhang Mei, Cao Yang, He Wei, Yang Haifa, Xing Lin, Wei Jingfeng, Shi Suolan, Xiao Nali, Jiang Sui. Guidelines for the verification of

equipment for electromagnetic compatibility testing

## 1 Scope

GB/Z 41634-2022 is the Chinese national standard on guidance for intermediate checks of electromagnetic compatibility testing equipment, in the field of telecommunications and audio-video engineering. The /Z suffix marks it as a guiding technical document: it does not prescribe requirements that can be certified against, but sets out the technique, the method or the state of the art that the standards bodies recommend following. It was issued on 11 July 2022 by the State Administration for Market Regulation; Standardization Administration of China. As a guiding technical document it carries no separate date of entry into force: it applies from publication. Classification: ICS 33.100, CCS L06. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document gives the verification and confirmation of the main metrological characteristics or functions of the testing equipment, facilities and systems during the adoption of electromagnetic compatibility testing laboratories. guide. This document applies to the period carried out by the electromagnetic compatibility testing laboratory to maintain the credibility of the calibration status of testing equipment, facilities and systems check.

## 2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 4365-2003 Electrotechnical Terminology Electromagnetic Compatibility

GB/T 27025-2019 General requirements for the competence of testing and calibration laboratories

## 3 Terms and Definitions

The terms and definitions defined in GB/T 4365-2003 and the following apply to this document.

3.1 calibration A set of operations under specified conditions, the first step of which is to determine the relationship between the magnitude provided by the measuring standard and the corresponding indication, the second step It is to use this information to determine the relationship between the measurement results obtained from the indication value, where

both the quantity provided by the measurement standard and the corresponding indication value have measurement uncertainty. fixed. [Source: JJF1001-2011, 4.10]

3.2 verification checks To verify whether the main metrological characteristics or functions of testing equipment, facilities and systems can meet the method requirements or specified requirements in accordance with the specified procedures operation.

Note 1."Method requirements" refers to the requirements for equipment (function or metrological characteristics) for the method of an electromagnetic compatibility testing laboratory to carry out a testing item. Note

2.The "specified requirements" are determined by the electromagnetic compatibility testing laboratory according to the use requirements and risks, and are usually stricter than the "method requirements".

3.3 check device Devices, equipment or samples used to routinely verify the performance of testing equipment, facilities, and systems. [Source: JJF1001-2011, 8.10, with modifications]

3.4 intermediatechecks Testing equipment, facilities, and systems between adjacent calibrations or during use, verify their main metrological characteristics or The operation performed by whether the function can continue to meet the requirements of the method or the requirements of the regulations.