



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

**GB/T 13722-2013**

Replacing GB/T 13722-1992

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**Performance requirements and testing methods for power  
supplies used in the mobile communication**

移动通信电源技术要求和试验方法

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## Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB/T 13722-1992 "Mobile communication power technical requirements and test methods." This standard compared with GB/T 13722-1992, the main changes are as follows:

--- Chapter 2 by deleting the mobile communication power irrelevant references, lists the new reference standard.

--- Chapter 3. Press the SJ/T 1670-2001 electronic power supply terms and definitions to collate and English equivalents plus term; Increasing the GB/T 2900.33-2004, GB/T 4365-2003, GB/T 4793.1-2007 and GB/T 12113-2003 The relevant terms and definitions.

--- The 1992 edition Chapter 4, "standard atmospheric conditions" content reduced to "test environment condition" as this standard 5.1 "Basic Test Requirements "content.

--- The 1992 version 3.29,

6.16 Chapters 5 and continuous ability to work on the content of the merger, as the content of the standard 4.15.

--- The 1992 version 6.17 "Electromagnetic Compatibility" and 11.13 "Electromagnetic compatibility test" content with YD/T 983-1998 concerning the content Instead of, respectively,

--- Increased test instrumentation equipment essential requirements of Appendix A of this standard A. Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents. The standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China. This standard by the National Standardization Technical Committee Electronic Measuring Instruments (SAC/TC153) centralized. This standard was drafted. People's Liberation Army Air Force Radar Academy, Guangdong easy special Power Co., Ltd., Jiangxi Tsinghua Taihao three Wave Motor Company Limited. The main drafters of this standard. ZHU Zhong Nepal, Xu Haibo, Wang Rong, Qi Ying Chuan, Huang Tiancheng, Qian Li, Wenhai, Tao Xuefeng, Chen Yuandi, Truth, Mei Changyi. This standard replaces the standards previously issued as follows:

--- GB/T 13722-1992. Mobile Power technical requirements and test methods

## 1 Scope

GB/T 13722-2013 is the Chinese national standard on performance requirements and testing methods for power supplies used in the mobile communication. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how

most foreign buyers meet it. It was issued on 31 December 2013 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 15 August 2014. Classification: ICS (ICS) , CCS M37. 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 standard specifies the technical requirements and test methods for mobile communication power. This standard is applicable for terrestrial, inland or coastal use for mobile services, the rated output voltage of 48V and below DC power supply.

## 2 Normative references

The following documents for the application of this document is essential For dated references, only the dated edition applies to this article Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2900.33-2004 Electrotechnical terminology - Power Electronics

GB/T 4365-2003 Electrotechnical terminology Electromagnetic Compatibility

GB/T 4793.1-2007 measurement, control and laboratory safety requirements for electrical equipment - Part 1. General requirements

GB/T 12113-2003 touch current and protective conductor current measurement methods

GB 17625.1-2012 Electromagnetic compatibility - Limits for harmonic current emissions (equipment input current  $\leq 16A$ )

GB/T 17626.11-2008 Electromagnetic compatibility Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity test SJ/T 1670-2001

Electronic Power Terms and Definitions SJ/T 2712 small civilian radio telephone equipment and its subsidiary environmental requirements and test methods SJ/T 2713-1986 civil small

wireless telephones and ancillary equipment quality inspection rules YD/T 983-1998

communication power supply equipment EMC limits and measurement methods

## 3 Terms and Definitions

GB/T 2900.33-2004, GB/T 4365-2003, GB/T 4793.1-2007, GB/T 12113-2003, GB 17625.1-2012, GB/T , the following terms and definitions 17626.11-2008 and SJ/T 1670-2001 defined apply to this document.

3.1 Source source Point power source, characterization input device.

3.2 Power powersupply Providing electrical energy.

3.3 Power supply stabilizedvoltagepowersupply Constant voltage power supply With respect to the impact of the amount of change in the output voltage stable power supply.

3.4 DC power DCpowersupply Power output polarity alternates with time-varying power supply.

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