

ICS 33.060.01

CCS M36



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

GB/T 16946-2017

Replacing GB/T 16946-1997

**General specification for shortwave single sideband
communication equipments**

短波单边带通信设备通用规范

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Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

Foreword

1 Scope

About this edition

Classification and status

How a Chinese national standard is set out

About this English translation

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 16946-1997 "General Specification for Short-wave Single-sideband Communication Equipment" and GB/T 6933-1995 "Short-wave single-side With transmitter electrical performance measurement methods." This standard is based on GB/T 16946-1997 and incorporates the contents of GB/T 6933-1995. This standard is compared with GB/T 16946-1997 and GB/T 6933-1995, with the exception of editorial changes. as follows:

--- Modify the voice input level, out-of-band intermodulation and other electrical performance indicators (see 5.8);

--- Increased requirements and test methods for activation time, deactivation time, band conversion time, etc.; reduced adjacent channel power, emission Requirements and test methods for inter-machine intermodulation, pilot drop, etc. (see

--- Modify the transmitter part of the measurement method (see 6.5.1). Please note that some of the contents of this document may involve patents. The issuing agency of this document does not assume responsibility for identifying these patents. This standard was proposed by the Ministry of Industry and Information Technology of the People's Republic of China. This standard is under the jurisdiction of China Electronics Standardization Institute. This standard was drafted by: Panda Electronics Group Co., Ltd. The main drafters of this standard. Ma Qun and Zhou Yabing. The previous versions of the standard replaced by this standard are.

---GB/T 16946-1997;

--- GB/T 6933-1986, GB/T 6933-1995. Shortwave single sideband communication equipment general specification

1 Scope

GB/T 16946-2017 is the Chinese national standard on general specification for shortwave single sideband communication equipments, in the field of telecommunications and audio-video engineering. 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 29 December 2017 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 1 July 2018. Classification: ICS 33.060.01, CCS M36. 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 terms and definitions, classification, requirements, test methods, inspection rules and signs, packaging, and transport of short-wave single-sideband communication equipment. Transmission and storage requirements. This standard is applicable to all-solid-state shortwave single-sideband communication equipment for mobile communication or fixed communication on the ground, inland water or at sea (hereinafter referred to as "Communication equipment") includes transmitters, receivers, transceivers (radios) and antenna tuners.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB/T 191-2008 packaging, storage and transportation logo

GB/T 2423.16-2008 Environmental testing for electric and electronic products Part 2. Test methods Test J and Guidelines. Growth of mildew

GB/T 2423.17-2008 Environmental testing for electric and electronic products Part 2. Test methods Test Ka. Salt spray

GB/T 2423.18-2012 Environmental tests Part 2. Test methods Test Kb. Salt spray, alternating (sodium chloride solution)

GB/T 2424.1-2015 Environmental Testing Part 3. Supporting Documents and Guidelines for Low and High Temperature Tests

GB/T 2424.10-2012 General Guidelines for Atmospheric Corrosion Acceleration Tests for Environmental Testing

GB/T 2828.1-2012 Count sampling inspection procedure Part 1. Batch inspection sampling based on AQL plan

GB/T 2829-2002 Periodic Inspection Count Sampling Procedures and Tables (Applicable to Inspection of Process Stability)

GB/T 5465.2 Graphical symbols for electrical equipment - Part 2. Graphical symbols

GB/T 6934-2017 Shortwave single-sideband receiver electrical performance measurement method

GB/T 8170-2008 Numerical Rounding Rules and Representation and Determination of Limit Values

GB/T 13262-2008 Counting standard percent one-time sampling inspection procedure and sampling table
Electromagnetic Emission and Sensitivity Requirements for GJB151 Military Equipment and Subsystems
GJB152 Military Equipment and Subsystems Electromagnetic Emissions and Sensitivity Measurements
GJB/Z299 Electronic Equipment Reliability Prediction Manual
GJB367 General Specifications for Military Communications Equipment
GJB899A-2009 Reliability Qualification and Acceptance Test
GJB2072-1994 Maintainability Test and Evaluation
GJB2075 Short Wave Adaptive Communication System Data Control Interface Functional Characteristics of Adaptive Controller of GJB2076 Short Wave Adaptive Communication System Automatic Line Establishment Procedure for GJB2077 Short Wave Adaptive Communication System
GJB2929 Tactical Shortwave Frequency Hopping Radio General Specification
GJB3434 frequency hopping radio performance measurement method
SJ20043-1992 Short Wave Single Sideband Radio Measurement Method
SJ20044 Safety Requirements for Short Wave Single Sideband Communication Equipment