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

GB/T 2846-2011

Replacing GB/T 2846-1988

**Methods of measurement on radio receivers for AM broadcast
transmissions**

调幅广播收音机测量方法

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard replaces GB/T 2846-1988 "AM broadcast radio measurement method." this standard and GB/T 2846-1988 compared to the main changes are as follows.

- a) increasing the preface;
- b) increased 4.18 autotune measurement methods;
- c) increasing the "scale error" measuring method;
- d) the provisions of 999kHz for digital radio tuner preferred measurement frequency;
- Measurement receiver whistle e) 3.13 supplement caused by the clock and oscillator;
- f) The 3.14 "radio output if the output frequency is not less than the standard" to "not less than the standard output if the radio output power";
- g) the 3.16 "30% amplitude modulation of the high frequency signal" to "amplitude modulation of 80% of the high-frequency signal";
- h) increased 4.19 "hysteresis" measuring method;
- i) increasing the associated test methods for RF suppression;
- j) increase the normative Annex A.

This standard and the international standard IEC 60315-3:1999 "Methods of measurement on radio receivers for various classes of emission - Part 3. The AM Sound broadcasting emissions, "the non-equivalent.

The standard proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This standard by the national audio, video and multimedia systems and equipment Standardization Technical Committee (SAC/TC242) centralized.

This standard drafting units. China Electronics Technology Group Corporation Institute, Guangdong Supervision, Inspection and electrical and electronic products, Guangdong East Wan De Sheng Electric Manufacturing Co., the fifth Institute of the Ministry of Industry and Information Technology, Sony (China) Limited.

1 Scope

This standard specifies the method for measuring the AM broadcast radio electro-acoustic properties.

This standard applies to the frequency of 526.5kHz ~ 26.1MHz AM radio broadcast (hereinafter referred to as radio) electrically sound Standard measurement method for measuring the performance.

2 Normative references

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

IEC 60315-1. 1988 Methods of measurement on radio receivers for a variety of classes of emission - Part 1. General considerations and measurements (including Audio measurement) method
(Methodsofmeasurementonradioreceiversforvariousclassesofemission-Part 1.

Generalconsiderationsandmethodsofmeasurement, includingaudio-frequencymeasurements) IEC 60315-3 Methods of measurement on radio receivers for various classes of emission - Part 3. AM modulated sound broadcasting emissions Audio broadcasting receiver RF amplitude measurement
(Methodsofmeasurementonradioreceiversforvariousclassesofemission-Part 3. Receiversforamplitude-modulatedsound-broadcastingemissions)

3 Terms and Definitions

The following terms and definitions apply to this document.

Voltage and current values \u200b\u200bvoltageandcurrentquantities in addition to special stated otherwise, are expressed in RMS.

Level representation presentationoflevel Power, voltage and field strength level values \u200b\u200bexpressed in decibels, as shown in Table 1.

Table 1 level representation

Category 0dB level value symbol Power 1mW = 1 x 10⁻³W dB (mW) Voltage 1μV = 1 x 10⁻⁶V dB (μV) Field 1μV/m = 1 x 10⁻⁶V/m dB (μV/m) 3.3 AC radio ACreceiversforbroadcast

in AC powered radio.