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

GB/T 22122-2008

Methods of measurement of surround audio for digital TV

数字电视环绕声伴音测量方法

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Foreword

The standard proposed by the People's Republic of China Ministry of Information Industry. This standard by the national audio, video and multimedia systems and equipment under the jurisdiction of the Standards Committee. This standard drafting units. China Electronics Standardization Institute, Guangzhou Sheng Digital Technology Co., Ltd. The main drafters of this standard. Memorial, Liu Lun good following, Wang Qi, Fanke Feng, Cao Ling. Digital TV Surround Sound Measurement

1 Scope

GB/T 22122-2008 is the Chinese national standard on methods of measurement of surround audio for digital tv, 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 30 June 2008 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 January 2009. Classification: ICS 33.160.25, CCS M74. 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 digital TV surround sound, dual-channel measurement of electrical properties of sound projects, measurement conditions and methods of measurement. This standard applies to standard definition and high definition digital television receivers (digital TV receivers and digital television receivers), is Product design, production, the main basis for inspection.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including

errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 17975.1-2000 Information technology - Generic coding of moving pictures and associated audio information - Part 1. System (idt ISO / IEC 13818-1.1996)

GB/T 17975.3-2002 Information technology - Generic coding of moving pictures and associated audio information - Part 3. Audio (ISO / IEC 13818-3.1998, IDT)

GB/T 17975.7-2002 Information technology - Generic coding of moving pictures and associated audio information - Part 7. Advanced Audio Coding (ACC) (ISO /

IEC 13818-7.1997, IDT) SJ/T 11180-1998 and audio visual equipment digital audio portion of the audio characteristics of the basic methods of measurement SJ/T 11324-2006 digital television receivers term SJ/T 11368-2006 multi-channel digital audio codec specification ITU-RBS. 1196-1 digital terrestrial television broadcasting Audio Coding

3 Terms, definitions and abbreviations

3.1 Terms and Definitions SJ/T 11324-2006 and established the following terms and definitions apply to this standard.

3.1.1 Respectively, corresponding to the maximum positive and maximum negative value of the maximum positive and maximum negative digital codes coded values. Surround sound is used to deliver

5.1 audio channel. Consists of six independent channels, namely left channel (L), center channel (C), Right channel (R), left surround channel (Ls), right surround channel (Rs) and a low frequency enhancement channel (LFE), also commonly referred to as

0.1 channel.

3.2 Acronyms The following abbreviations apply to this standard. AAC.

Advancedaudiocoding Advanced Audio Coding C. Centerchannel center channel dBFS. decibelfulscale digital audio signal level units (0dBFS equal to "full-scale" digital audio reference level) L. Leftchannel left channel LFE. Lowfrequencyenhancedchannel low frequency enhancement channel Ls. Leftsurroundchannel left surround channel MPEG-2. Generic coding of moving pictures and associated audio standards CodingofMovingPictureandAssociatedAudio signal