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**Methods of measurement for digital terrestrial television
receiver**

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Foreword

This Standard is drafted in accordance with the rules specified in GB/T 1.1-2009.

This Standard was proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This Standard shall be under the jurisdiction of the National Technical Committee 242 on Audio, Video, Multimedia System and Equipment of Standardization Administration of China (SAC/TC 242).

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Methods of Measurement for Digital Terrestrial
Television Receiver

1 Scope

This Standard specifies the performance measurement items, measurement conditions and measurement method of digital terrestrial television receiver (hereinafter referred to as receiver) that supports digital terrestrial television reception function specified in GB 20600-2006.

This Standard is applicable to standard definition (SD) and high definition (HD) digital terrestrial television receivers that support digital terrestrial television reception function specified in GB 20600-2006.

2 Normative References

The following documents are essential for the application of this Standard. For the dated normative references, only the dated editions are applicable to this document. For the undated references, the latest editions of the normative documents (including all the amendments) are applicable to this document.

GB/T 3174 Characteristics of PAL-D Television Broadcasting System

GB 3659 Methods of Measurement of Television Video Channel

GB/T 17975.1 Information Technology - Generic Coding of Moving Picture and Associated Audio Information - Part 1.System (GB/T 17975.1-2010, ISO/IEC 13818-1:2007, MOD)

GB/T 17975.2-2000 Information Technology - Generic Coding of Moving Picture and Associated Audio Information - Part 2.Video (ITU-TH, 262.1995, IDT)

GB/T 17975.3-2002 Information Technology - Generic Coding of Moving Picture and Associated Audio Information - Part 3.Audio (ISO/IEC 13818-3:1998, IDT)

GB/T 20090.2-2006 Information Technology - Advanced Coding of Audio and Video - Part 2.Video

GB 20600-2006 Framing Structure, Channel Coding and Modulation for Digital Television Terrestrial Broadcasting System

GB/T 22726-2008 Specification for Multichannel Digital Audio Coding Technology

GB/T 26270-2010 Standard Test Signals for Digital Television Receiving Equipment

SJ/T 11157-1998 Methods of Measurement on Receivers for Television Broadcast Transmissions - Part 2.Electrical Measurements on Audio Channels Methods in General and Those for Monophonic Channels

SJ/T 11180-1998 Basic Methods of Measurement of Digital Audio Characteristics of Audio and Audiovisual Equipment

SJ/T 11324-2006 Terminology of Digital Television Receiving Equipment

SJ/T 11345-2006 Methods of Measurement for Digital Television Cathode Ray

Tube Displays

SJ/T 11348-2006 Methods of Measurement for Digital Television Flat Panel

Displays

3.1 Term and Definition

For the purpose of this Standard, the following terms and definitions AND the ones in SJ/T 11324-2006 apply.

3.1.1

Acceptable error free [Translator. abbreviated as error-free]

Error code events that are not corrected within the specified time are less than a certain threshold in the signal reception.

3.2 Abbreviation

AEF - Acceptable error-free;

EIT - Event information table;

EIT p/f - EIT present/following;

EPG - Electronic program guide;

MPEG - Moving Picture Experts Group;

NIT - Network information table;

PCR - Program clock reference;

PID - Packet identifier;

PMT - Program map table;

PSI - Program specific information;

SDT - Service description table;

SI - Service information;

TDT - Time and date table;

TOT - Time offset table;

UHF - Ultra high frequency;

UTC - Universal time co-ordinated;

VHF - Very high frequency.