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

GB/T 22181.5-2015

Replacing GB/T 11482-1989

Plasma display panels -- Part 5: Generic specification

等离子体显示器件 第5部分：总规范

(English Translation)

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Foreword

The expected structure of the GB/T 22181 "Plasma Display Device" is as follows.

- Part 1. Terminology and textual symbols (GB/T 22181.1-2008);

Part 2-1. Methods for measuring optical parameters (GB/T 22181.21-2008);

Part 2-2. Methods for measuring electro - optic parameters (GB/T 22181.22-2008);

Part 2-3. Module display quality measurement method (GB/T 22181.23-2012);

- Part 2-4. Measurement methods for device characteristics for digital televisions;

- Part 3-1. Mechanical interface;

- Part 3-2. Electronic interfaces;

- Part 4. Climate and mechanical test methods;

Part 6. Blank detail specification for plasma display devices for digital televisions.

This part is part 5 of GB/T 22181.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part of the replacement GB/T 11482-1989 "AC plasma display device general specification (for certification)". This part with GB/T 11482-1989 compared to the editorial changes, the main technical changes are as follows.

--- Added terms. average display brightness, average image level, gamut coverage, high gray color gamut coverage, low gray color gamut coverage Rate, average power consumption, viewing angle, brightness angle of view, contrast angle, chroma angle, dynamic image resolution, image stripe, flicker and noise Sound and its definition (see 3.1);

- the addition of quality assessment categories, screening and operation (see 4.4, 4.5 and 4.6);

- In the quality assessment process, the division of the inspection group has been modified, the supplementary procedure for simplified testing and the LTPD sampling plan have been added (See 5.11.2, 5.11.4 and 5.12.2);

--- Test items and test methods using GB/T 22181.21-2008, GB/T 22181.22-2008, GB/T 22181.23-2012 and SJ/T 11379-2008 standard items and methods;

- Added Appendix A [Batch Permitted Nonconforming Product Rate (LTPD) Sampling Plan] and Appendix B (Basic description of the specification).

1 Scope

This part of GB/T 22181 is the general specification for plasma display devices. It specifies the quality of the IEC Q-CECC system with the procedures, and provides the electrical, optical, image display, mechanical and environmental performance description and testing of the general requirements.

This section applies to plasma display devices.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 2828.1-2012 Count Sampling Inspection Procedures Part 1. Batch Inspection Sampling by Reception Quality Limit (AQL) plan GB/T 4728 (all parts) Electrical diagrams Graphical symbols Plasma display devices - Part 1. Terms and symbols (IEC 61988-1.:2003, IDT) GB/T 22181.1-2008.

Plasma display devices - Part 2-1. Methods for measuring optical parameters (IEC 61988-2-1.

2002, IDT)

Plasma display devices - Part 2-2. Methods for measuring electro - optic parameters (IEC 61988-2-2. GB/T 22181.22-2008) 2003, IDT) GB/T 22181.23-2012 Plasma display devices - Part 2-3. Module display quality measurement method Plasma display devices - Part 3-1. Mechanical interfaces - SJ/T 11378-2008 SJ/T 11379-2008 Plasma display devices - Part 4. Climate and mechanical test methods IEC 60027 (all parts) Electrical technology with letters (Lettersymbolstobeusedinelectricaltechnology) IEC 60050 (all parts) International Electrotechnical Words (Internationalelectrotechnicalvocabulary) IEC 60410. 1973

Checking the sampling plan and procedures

(Samplingplansandproceduresforinspectionbyat-tributes IEC 60747-1 Semiconductor devices Part 1. General (Semiconductordevices-Part 1. General) IEC Q01 Electronic Components IEC Quality Assessment System (IEC Q) Basic Rules (IEC

QualityAssessmentSystem forElectroniccomponents (IEC Q) -BasicRules) IEC QC001002.:2005 (all parts) IEC Electronic Components IEC Quality Assessment System (IEC Q) Program Rules (IEC QualityAssessmentSystemforElectroniccomponents (IEC Q) -RulesofProcedure) ISO 1000.:1992 International unit system and its multiple units and some other units of application recommendation

(Slunitsandrecommen-dationsfortheuseoftheirmultiplesandofcertainotherunits ISO 2859-10 Sampling procedures for inspection of attributes - Part 10. Sampling procedures for introducing attribute tests ISO 2859 series Quasi

(Sampling procedures for inspection by attributes-Part 10. Introduction to the ISO 2859 series of standards for sampling for inspection by attributes ISO 3534-2 Statistical vocabulary and symbols Part 2. Statistical Statistics (Statistics-Vocabulary and symbols-Part 2. Applied statistics)