ANSI/CEA Standard

Digital STB Active Power Consumption Measurement

ANSI/CEA-2022

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Approved American National Standard

ANSI

CEA

Consumer Electronics Association

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(Formulated under the cognizance of the CEA's **R4 Video Systems Committee**.)

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FOREWORD

This standard was developed under the auspices of the Consumer Electronics Association (CEA) R4 Video Systems Committee.

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1 Scope

CEA-2022 defines a method for measuring power consumption of a digital set top box (STB) whose primary function is video reception and delivery when operating in an active (ON) state.

2 References

2.1 Informative Reference List

1394 Trade Association Document 2001012, AV/C Digital Interface Command Set General Specification Version 4.1, December 11, 2001

ANSI/SCTE 28 2004, Host-POD Interface Standard

ANSI/SCTE 55-1, (formerly DVS 178) Digital Broadband Delivery System: Out Of Band Transport Part 1: Mode A

ANSI/SCTE 55-2, (formerly DVS 167) Digital Broadband Delivery System: Out Of Band Transport Part 2: Mode B

ATSC A/65C, Program and System Information Protocol for Terrestrial Broadcast and Cable, Revision C, with Amendment No. 1, May 9, 2006

CEA-931-B, Remote Control Command Pass-Through Standard for Home Networking, September 2003

CEA-2013-A, Digital STB Background Power Consumption, November, 2006

ISO/IEC 7816-12 (2005-10), Identification cards – integrated circuit cards – Part 12: Cards with contacts – USB electrical interface and operating procedures

2.2 Informative Reference Acquisition

1394 Trade Association Documents:

- 1394 Trade Association, Regency Plaza, Suite 350, 2350 Mission College Blvd. Santa Clara, CA 95054; Phone 408-982-8289; Fax 408-982-8288; Internet http://www.1394ta.org

ANSI/SCTE Standards:

- Society of Cable Telecommunications Engineers (SCTE), 140 Philips Road, Exton PA 19341; Phone 800-542-5040; Fax 610-363-5898; Internet http://www.scte.org; Email info@scte.org

ATSC Standards:

- Advanced Television Systems Committee (ATSC), 1750 K Street N.W., Suite 1200, Washington, DC 20006; Phone 202-872-9160; Fax 202-872-9161; Internet http://www.atsc.org/stan&rps.html

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- Global Engineering Documents, World Headquarters, 15 Inverness Way East, Englewood, CO USA 80112-5776; Phone 800-854-7179; Fax 303-397-2740; Internet http://global.ihs.com ; Email global@ihs.com
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