

# ANSI/CTA Standard

Digital STB Active Power  
Consumption Measurement

**ANSI/CTA-2022**

(Formerly ANSI/CEA-2022)

**July 2007**

This standard was withdrawn by  
CEA's Video Systems Committee  
(R4) on September 3, 2013.



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(Formulated under the cognizance of the CTA **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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# Digital STB Active Power Consumption Measurement

## 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](mailto: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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