

ANSI/CEA Standard

Determination of Television Set Power Consumption

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(with 2/2/2015 editorial correction)



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(Formulated under the cognizance of the CEA **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.

On February 2, 2015 an error was discovered in the numbering of the sections in this standard. Subsection 6.3.4 (Plug-in module) was inadvertently numbered 6.4 in the version published in July 2014. This resulted in all subsequent subsections in section 6 having wrong numbers. The version that was balloted within the Video Systems Committee had the Plug-in module subsection numbered as 6.3.4. As this error was clearly introduced during the publication process CEA staff issued an updated edition on February 2, 2015 to correct the error.

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Determination of Television Set Power Consumption

1 Scope

This standard defines a method for measuring television set power consumption and related items. It is intended for television sets powered from an external source. Television sets with a non-removable main battery are excluded.

2 References

2.1 Normative References

The following standards contain provisions that, through reference in this text, constitute normative provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed here.

2.1.1 Normative Reference List

- IEC 62087:2011, Methods of measurement for the power consumption of audio, video and related equipment
- IEC 62301:2011, Household electrical appliances - Measurement of standby power

2.1.2 Normative Reference Acquisition

- IEC Standards:
 - 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
 - IEC Central Office, 3, rue de Varembe, PO Box 131, CH-1211 Geneva 20, Switzerland; Phone +41 22 919 02 11; Fax +41 22 919 03 00; Internet <http://www.iec.ch>; Email pubinfor@iec.ch

2.2 Informative References

The following standards contain provisions that, through reference in this text, constitute informative provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed here.

2.2.1 Informative Reference List

- CEA-770.3-E, High Definition TV Analog Component Video Interface
- CEA Home Illumination Technical Report, TR-1, July 2012
- CLASP Further Analysis of Background Lighting Levels during Television Viewing, March 2012
- ENERGY STAR® Program Requirements for Televisions, Eligibility Criteria
- HDMI Specification