

ANSI/CTA Standard

**Determination of Television Set Power
Consumption**

ANSI/CTA-2037-A

(Formerly ANSI/CEA-2037-A)

July 2014

(with 2/2/2015 Correction)



**Consumer
Technology**

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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.

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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CONTENTS

Determination of Television Set Power Consumption	1
1 Scope	1
2 References	1
2.1 Normative References	1
2.1.1 Normative Reference List.....	1
2.1.2 Normative Reference Acquisition.....	1
2.2 Informative References	1
2.2.1 Informative Reference List	1
2.2.2 Informative Reference Acquisition	2
3 Definitions	2
3.1 Symbols and Abbreviations	4
3.2 Compliance Notation	5
4 Modes of Operation	5
4.1 Power modes	5
4.1.1 General	5
4.1.2 Disconnected:.....	5
4.1.3 Off mode:.....	5
4.1.4 Standby-passive mode:.....	5
4.1.5 Standby-active, low mode:.....	5
4.1.6 Standby-active, high mode:	5
4.1.7 On mode:.....	6
4.2 Configurations and picture settings	6
4.2.1 Conceptual framework	6
4.2.2 Selection of home configuration	6
4.2.3 Selection of retail configuration	7
5 Measurement Conditions	7
5.1 General Measurement Conditions	7
5.2 Power supply	7
5.2.1 Main battery connection.....	7
5.2.2 External power supplies.....	7
5.2.3 Mains power	7
5.2.4 Power from other than the mains	7
5.2.5 On mode.....	7
5.2.6 Partial On and Off modes.....	8
5.3 Environmental conditions	8
5.4 Ambient light conditions	8
5.5 Measuring equipment	8
5.5.1 Power measuring instrument.....	8
5.5.2 Power measurement accuracy	9
5.5.3 Luminance measuring device.....	9
5.5.4 Illuminance measuring instrument.....	9
5.6 Signal generation	9
5.6.1 Audio-visual signal generating device	9

5.6.2 Video signals	10
5.6.2.1 Dynamic broadcast-content video signal	10
5.6.2.2 Three bar video signal.....	10
5.6.2.3 Color bar video signals	10
5.6.3 Accuracy of video signal levels	10
5.6.4 Audio test signal(s)	10
5.6.5 Light source for specific illuminance levels	10
5.6.6 Light source for disabling the ABC feature	11
5.6.7 Networking equipment	11
5.7 Interfaces	11
5.7.1 HDMI®.....	11
5.7.2 Component analogue video	11
5.7.3 S-Video	11
5.7.4 Composite analogue video	12
5.7.5 Analog terrestrial interface	12
5.7.6 Digital terrestrial interface	12
5.7.7 Other interfaces	12
6 Procedures	13
6.1 Order of activities.....	13
6.2 Preparation	14
6.2.1 Measurement plan	14
6.2.2 Power supply voltage and frequency	14
6.2.3 Input terminals	14
6.2.4 Video format.....	14
6.2.5 Automatic brightness control capabilities.....	15
6.2.6 Network connection capabilities	15
6.3 Initial activities	16
6.3.1 Order of initial activities	16
6.3.2 Cool down	16
6.3.3 Main batteries	16
6.3.4 Plug-in module.....	16
6.3.5 Installation.....	17
6.3.6 Application of input signals	17
6.3.7 Luminance measuring device setup	17
6.3.8 Light source setup.....	17
6.3.9 Power.....	18
6.3.10 TV settings	18
6.3.10.1 Default settings.....	18
6.3.10.2 Input source selection.....	19
6.3.10.3 Satellite feature	19
6.3.10.4 Additional functions	19
6.3.10.5 Special functions	19
6.3.10.6 Video aspect ratio.....	19
6.3.10.7 Sound level adjustments.....	19
6.3.10.8 Networking.....	19
6.4 Determination of power consumption, On mode	20
6.4.1 Order of activities	20
6.4.2 Stabilization	20
6.4.3 Television sets without Automatic Brightness Control enabled by default	21
6.4.4 Television sets with Automatic Brightness Control enabled by default.....	21

6.5 Determination of relative peak luminance ratio and power factor	21
6.5.1 General	21
6.5.1.1 Automatic Brightness Control	22
6.5.1.2 Stabilization	22
6.5.1.3 Normal measurement	22
6.5.1.4 Quick measurement	22
6.5.2 Activities for peak luminance ratio and power factor determination	23
6.5.2.1 Order of activities	23
6.5.2.2 Peak luminance, default picture setting.....	23
6.5.2.3 Determination of power factor	24
6.5.2.4 Determination of brightest selectable preset picture setting	24
6.5.2.5 Peak luminance, brightest selectable preset picture setting.....	24
6.5.2.6 Peak luminance, retail picture setting	24
6.5.2.7 Peak luminance, overall brightest preset picture setting	24
6.5.2.8 Peak luminance ratio	24
6.5.2.9 Return to default conditions	24
6.6 Determination of power consumption, Partial On mode	25
6.6.1 General	25
6.6.2 Order of activities	25
6.6.3 AV inputs.....	25
6.6.4 Standby-passive	25
6.6.5 Standby-active, low	25
6.6.5.1 Networking.....	26
6.6.5.2 Availability.....	26
6.6.5.3 Measurement	26
6.7 Determination of power consumption, Off mode.....	27
6.7.1 Connections and networking.....	27
6.7.2 Availability.....	27
6.7.3 Measurement	27
 Informative Annex A	 28
A.1 Weighting the measured result to determine P_{on_mode}	28
 Informative Annex B	 29
B.1 Electricity supplies.....	29
 Informative Annex C	 30
C.1 Items to be reported	30
 Informative Annex D	 31
D.1 Standby-active, high	31
D.2 Definitions.....	31
D.3 Ideal	31
D.4 Practical	32

D.5 Verification.....33

D.6 Connection Diagram33

D.7 Template for DAM power measurement.....34

D.8 Example template for DAM power measurement.....35

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