

ANSI/CEA Standard

DTV Remodulator Specification

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(Formulated under the cognizance of the CEA **R4.8 DTV Interface Subcommittee.**)

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FOREWORD

Users of this standard should note that, at some future point, copy protection parameters, methods and/or standards are expected to be established with which copy-protected content traversing the DTV RF interface will be required to comply.

This standard was developed under the auspices of the CEA R4.8 DTV Interface Subcommittee.

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DTV Remodulator Specification

1 Scope

This standard defines minimum specifications for a one-way data path utilizing an 8-VSB trellis remodulator in compliance with ATSC A/53, Part 2:2007, *ATSC Digital Television Standard Part 2 - RF/Transmission System Characteristics*.

This standard applies to any type of device used to connect to an ATSC compliant digital television (DTV) receiver. Devices meeting this standard should interoperate with any ATSC compliant receiver that also supports "monitor mode."

For information about "monitor mode", refer to CEA-CEB5-B, *Recommended Practice for DTV Receiver "Monitor" Mode Capability*.

This standard addresses both required RF output specifications for a DTV remodulator and recommendations concerning input to the remodulator.

2 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 in 2.1.

2.1 Normative Reference List

ATSC A/53, Part 2:2007, *ATSC Digital Television Standard Part 2 - RF/Transmission System Characteristics*

CEA-542-B, *Recommended Cable Television Channel Identification Plan* (November 2008)

IEC 60169-24, *Radio-frequency connectors - Part 24: Radio-frequency coaxial connectors with screw coupling, typically for use in 75 ohm cable distribution systems (Type F)*, (1991-11)

2.2 Normative Reference Acquisition

ANSI/CEA 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

ATSC Standards:

- Advanced Television Systems Committee (ATSC), 1750 K Street N.W., Suite 1200, Washington, DC 20006; Phone 202-828-3130; Fax 202-828-3131; Internet <http://www.atsc.org/standards.html>

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