

ANSI/CEA Standard

Testing and Measurement Methods for Mobile Loudspeaker Systems

ANSI/CEA-CEA-2031 R-2014

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(Formulated under the cognizance of the CEA **R6 Portable, Handheld and In-Vehicle Electronics Committee.**)

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FOREWORD

This standard was developed by the Consumer Electronics Association's Mobile Electronics Committee (R6).

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Testing and Measurement Methods for Mobile Loudspeaker Systems

1 Scope

CEA-2031 defines test procedures for rating the performance and physical size of mobile loudspeakers, and requirements for reporting these characteristics. CEA-2031, when used in conjunction with CEA-2006-A, Testing & Measurement Methods for Mobile Audio Amplifiers, enables consumers to select mobile loudspeakers with power handling capabilities that are appropriate for the power output characteristics of their mobile amplifiers.

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 in Section 2.1.1.

2.1.1 Normative Reference List

ANSI/CEA-426-B R-2005, Loudspeakers, Optimum Amplifier Power

CEA-2006-A, Testing & Measurement Methods for Mobile Audio Amplifiers, November, 2005

IEC 60268-5 – Ed. 3, Sound system equipment - Part 5: Loudspeakers, 2003

2.1.2 Normative Reference Acquisition

ANSI/CEA and 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

2.2 Informative References

The following documents contain information that is useful in understanding this standard.

2.2.1 Informative Reference List

AES2-1984 (r2003), Specification of Loudspeaker Components Used in Professional Audio and Sound Reinforcement