

ANSI/CEA Standard

Standard Method of Measurement
for Powered Subwoofers

ANSI/CEA-2010-A

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(Formulated under the cognizance of the CEA **R3 Audio Systems Committee.**)

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FOREWORD

This standard was developed by the Consumer Electronics Association's Audio Systems Committee (CEA R3 Committee).

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STANDARD METHOD OF MEASUREMENT FOR POWERED SUBWOOFERS

1 Scope

This standard defines a method for measuring the audio performance of powered subwoofers.

2 Revision History

Increased measurement distance from 1 m to 3 m

Corrected procedure for averaging to be done using pressure

Added Table A-3 showing example invoking rule of non-measurable SPL within one of the bandwidths

3 References

3.1 Informative References

The following references contain provisions that, through reference in this text, constitute informative provisions of this standard. At the time of publication, the edition indicated was 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 edition of the standard indicated below.

3.1.1 Informative Reference List

Gander, Mark, Ground Plane Acoustic Measurements of Loudspeaker Systems, *Journal of the Audio Engineering Society*, vol. 30, no. 10, p. 723 (1982).

3.1.2 Informative Reference Acquisition

Audio Engineering Society Journal Articles:

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