
AMERICAN NATIONAL STANDARD

Method for Measurement and Calibration of Earphones

ANSI/ASA S3.7-2016

Accredited Standards Committee S3, Bioacoustics

Standards Secretariat
Acoustical Society of America
1305 Walt Whitman Road, Suite 300
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Secretariat:

Acoustical Society of America

Approved on August 22, 2016, by:

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ABSTRACT

This standard describes measurement methods for earphones and earphone transducers using couplers or ear simulators. Guidance is provided for the selection of the appropriate coupler or ear simulator for a given earphone and application. Methods for measurement of calibrated frequency response, input-output linearity, electrical impedance, and non-linear distortion, are described.

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