
AMERICAN NATIONAL STANDARD

Specification of Performance Measurement of Hearing Assistance Devices/Systems

ANSI/ASA S3.47-2014

Accredited Standards Committee S3, Bioacoustics

Standards Secretariat
Acoustical Society of America
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Secretariat:

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Approved on January 24, 2014, by:

American National Standards Institute, Inc.

Abstract

This standard provides methods for evaluation of hearing assistance devices/systems (HADS) that are packaged for individual use and deliver the signal via air conduction to the user. Among the test methods described are family of response curves, output sound pressure curve for 90-dB sound pressure level input, frequency range, total harmonic distortion, noise level with no input, static and dynamic AGC characteristics, and gain control linearity. The measurements are similar to those described in ANSI/ASA S3.22-2009 *American National Standard Specification of Hearing Aid Characteristics*.

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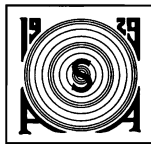
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Foreword

[This Foreword is for information only and is not a part of the American National Standard ANSI/ASA S3.47-2014 American National Standard Specification of Performance Measurement of Hearing Assistance Devices/Systems. As such, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the standard.]

This standard comprises a part of a group of definitions, standards, and specifications for use in bioacoustics. It was developed and approved by Accredited Standards Committee S3, Bioacoustics, under its approved operating procedures. Those procedures have been accredited by the American National Standards Institute (ANSI). The Scope of Accredited Standards Committee S3 is as follows:

Standards, specifications, methods of measurement and test, and terminology in the fields of psychological and physiological acoustics, including aspects of general acoustics which pertain to biological safety, tolerance and comfort.

This standard is not comparable to any existing ISO or IEC Standard.

At the time this Standard was submitted to Accredited Standards Committee S3, Bioacoustics, for approval, the membership was as follows:

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*The contributions of Michael K. Wynne as chair of the working group from 1993 until his untimely death in 2004 are gratefully acknowledged.

Suggestions for improvements of this standard will be welcomed. They should be sent to Accredited Standards Committee S3, Bioacoustics, in care of the Standards Secretariat of the Acoustical Society of America, 35 Pinelawn Road, Suite 114E, Melville, New York 11747-3177. Telephone: 631-390-0215; FAX: 631-390-0217; E-mail: asastds@aip.org.