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AMERICAN NATIONAL STANDARD
**RECOMMENDATIONS FOR
SPECIFYING AND TESTING THE
SUSCEPTIBILITY OF ACOUSTICAL
INSTRUMENTS TO RADIATED RADIO-
FREQUENCY ELECTROMAGNETIC
FIELDS, 25 MHz TO 1 GHz**

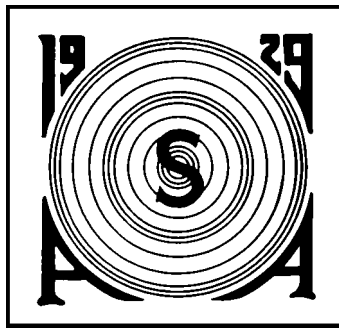
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Accredited Standards Committee S1, Acoustics

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The Acoustical Society of America (ASA) is an organization of scientists and engineers formed in 1929 to increase and diffuse the knowledge of acoustics and to promote its practical applications.



American National Standard

**Recommendations for Specifying
and Testing the Susceptibility
of Acoustical Instruments to Radiated
Radio-frequency Electromagnetic Fields,
25 MHz to 1 GHz**

Secretariat

Acoustical Society of America

Approved 7 July 1998

American National Standards Institute, Inc.

Abstract

This Standard provides recommendations for specifying and testing the susceptibility of acoustical instruments to radiated radio-frequency electromagnetic fields. This Standard does not contain recommendations regarding the susceptibility of an instrument to conducted electromagnetic fields, or recommendations to limit the emission of electromagnetic fields from instruments. The Standard covers two ranges of radio frequencies for the carrier signal: 25 MHz to 500 MHz, and an extended range from 25 MHz to 1 GHz. Recommended maximum electric field strengths for the radio-frequency field are 3 V/m, 10 V/m, and 61.4 V/m. An electric field strength greater than 61.4 V/m may be selected for specific applications. The Standard recommends limits, relative to the overall performance category of an acoustical instrument, of allowable deviation from nominal performance in the absence of a radio-frequency field.