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Titolo	ANSI C63.4-2003 (Revision of ANSI C63.4-2001): : American National Standard for Methods of Measurement of Radio-Noise Emissions From Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz // Institute of Electrical and Electronics Engineers
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Descrizione fisica	1 online resource (vii, 135 pages)
Disciplina	621.30287
Soggetti	Electric apparatus and appliances - Testing Radio noise - Measurement
Lingua di pubblicazione	Inglese
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Sommario/riassunto	U.S. consensus standard methods, instrumentation, and facilities for measurement of radio-frequency (RF) signals and noise emitted from electrical and electronic devices in the frequency range 9 kHz to 40 GHz are specified. This standard does not include generic nor product-specific emission limits. Where possible, the specifications herein are harmonized with other national and international standards used for similar purposes. Scope: This standard specifies U.S. consensus standard methods, instrumentation, and facilities for measurement of radio-frequency (RF) signals and noise emitted from electrical and electronic devices in the frequency range 9 kHz to 40 GHz. It does not include generic nor product-specific emission limits. Where possible, the specifications herein are harmonized with other national and international standards used for similar purposes. Measurement methods are included for radiated and line-conducted emissions that can be generated by a variety of devices, as described in . Definitions are provided for terms and phrases contained in the text, in which the words do not represent obvious or common usage. Measurement instrumentation, facilities, and test sites are specified and characterized, including Open Area Test Sites (OATS) and RF absorber-

lined, metal chambers used for radiated emission measurement. Transverse electromagnetic (TEM) wave devices used for radiated emission measurement are treated in normative Annex . The requirements of Annex , when such tests are performed, shall take precedence in this standard. In most cases, measurement instrumentation and calibration requirements are only generally characterized in deference to standards dedicated to these subjects, which should be used in conjunction with this standard. Requirements for operation of test samples during measurements are presented for devices in general, as well as for specific types of devices that are frequently measured. Specific requirements for emission test data recording and reporting are presented with reference to general requirements contained in documents dedicated to standard laboratory practices, which also should be used in conjunction with this standard. The main text is augmented by a series of annexes, which provide details for certain measurement methods and facilities, as well as step-by-step procedures for measurement of emissions from specific types of devices. Annex provides an index of main text clauses by device type.

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