



American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

Corrigendum 1

C63[®]

USEMCSC C63[®] Committee on Electromagnetic Compatibility –
an ANSI-Accredited Standards Developer

Accredited by the
American National Standards Institute

ANSI/USEMCSC C63.10-2020/Cor 1-2023
(Corrigendum to ANSI C63.10-2020)

STANDARDS

American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

Corrigendum 1

USEMCSC C63® Committee on Electromagnetic Compatibility

Accredited by the

American National Standards Institute

Secretariat

Institute of Electrical and Electronics Engineers, Inc.

Approved 10 April 2023

American National Standards Institute

C63®

Abstract: The procedures for testing the compliance of a wide variety of unlicensed wireless transmitters (also called intentional radiators and license-exempt transmitters) including, but not limited to, remote control and security unlicensed wireless devices, frequency hopping and direct sequence spread spectrum devices, anti-pilferage devices, cordless telephones, medical unlicensed wireless devices, Unlicensed National Information Infrastructure (U-NII) devices, intrusion detectors, unlicensed wireless devices operating on frequencies below 30 MHz, automatic vehicle identification systems, and other unlicensed wireless devices authorized by a radio regulatory authority are covered in this standard. Excluded by this standard are test procedures for unlicensed wireless devices already covered in other published standards (e.g., Unlicensed Personal Communication Services (UPCS) devices). Subclause 6.2.2 is addressed in this corrigendum, such that the requirement to calibrate the LISN with the extension cord is removed and Equation (L.1) has been corrected.

Keywords: ANSI C63.10, compliance testing, intentional radiators, license-exempt transmitters, spread spectrum devices, test procedures, Unlicensed National Information Infrastructure (U-NII), unlicensed wireless devices

United States EMC Standards Corporation
5702 368th Avenue, PO Box 598, Burlington, WI 53105, USA

The Institute of Electrical and Electronics Engineers, Inc.
3 Park Avenue, New York, NY 10016-5997, USA

Copyright © 2023 by the United States EMC Standards Corporation and The Institute of Electrical and Electronics Engineers, Inc.
All rights reserved. Published 6 June 2023. Printed in the United States of America.

C63 is a registered trademark in the U.S. Patent & Trademark Office, owned by the USEMCSC C63 Committee on Electromagnetic Compatibility.

IEEE is a registered trademark in the U.S. Patent & Trademark Office, owned by The Institute of Electrical and Electronics Engineers, Incorporated.

PDF: ISBN 978-1-5044-9789-3 STD26219

IEEE prohibits discrimination, harassment, and bullying.

For more information, visit <https://www.ieee.org/about/corporate/governance/p9-26.html>.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher.

Important Notices and Disclaimers Concerning USEMCSC Standards Documents

USEMCSC standards documents are made available for use subject to important notices and legal disclaimers.

Notice and Disclaimer of Liability Concerning the Use of USEMCSC Standards Documents

USEMCSC develops its standards through an accredited consensus development process, which brings together volunteers representing varied viewpoints and interests to achieve the final product. USEMCSC standards are documents developed by volunteers with scientific, academic, and industry-based expertise in technical working groups. Volunteers are not necessarily members of USEMCSC, and participate without compensation from USEMCSC. While USEMCSC administers the process and establishes rules to promote fairness in the consensus development process, USEMCSC does not independently evaluate, test, or verify the accuracy of any of the information or the soundness of any judgments contained in its standards.

USEMCSC makes no warranties or representations concerning its standards, and expressly disclaims all warranties, express or implied, concerning this standard, including but not limited to the warranties of merchantability, fitness for a particular purpose and non-infringement. In addition, USEMCSC does not warrant or represent that the use of the material contained in its standards is free from patent infringement. USEMCSC standards documents are supplied “AS IS” and “WITH ALL FAULTS.”

Use of a USEMCSC standard is wholly voluntary. The existence of a USEMCSC standard does not imply that there are no other ways to produce, test, measure, purchase, market, or provide other goods and services related to the scope of the USEMCSC standard. Furthermore, the viewpoint expressed at the time a standard is approved and issued is subject to change brought about through developments in the state of the art and comments received from users of the standard.

In publishing and making its standards available, USEMCSC is not suggesting or rendering professional or other services for, or on behalf of, any person or entity, nor is USEMCSC undertaking to perform any duty owed by any other person or entity to another. Any person utilizing any USEMCSC standards document, should rely upon his or her own independent judgment in the exercise of reasonable care in any given circumstances or, as appropriate, seek the advice of a competent professional in determining the appropriateness of a given USEMCSC standard.

IN NO EVENT SHALL USEMCSC OR IEEE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO: THE NEED TO PROCURE SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE PUBLICATION, USE OF, OR RELIANCE UPON ANY STANDARD, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE AND REGARDLESS OF WHETHER SUCH DAMAGE WAS FORESEEABLE.

Translations

The USEMCSC consensus development process involves the review of documents in English only. In the event that a USEMCSC standard is translated, only the English version published by IEEE is the approved USEMCSC standard.

Official statements

A statement, written or oral, that is not processed in accordance with C63® Standards Committee policies and procedures shall not be considered or inferred to be the official position of USEMCSC or any of its committees and shall not be considered to be, nor be relied upon as, a formal position of USEMCSC. At lectures, symposia, seminars, or educational courses, an individual presenting information on USEMCSC standards shall make it clear that the presenter's views should be considered the personal views of that individual rather than the formal position of USEMCSC, IEEE, the C63 Standards Committee or any C63 Working Group.

Interpretations

Current interpretations are essential to the understanding of all C63 standards. To assist in the meanings of requirements, informative interpretations are available at the following URL: https://www.c63.org/documents/misc/posting/new_interpretations.htm. Users are cautioned that, although interpretations do not and cannot change the requirements of a standard, they serve to clarify the meanings of requirements. All interpretations are informative rather than normative, until such time as the standard is revised (consistent with C63® ANSI-accredited operating procedures) to incorporate the interpretation as a normative requirement.

Comments on standards

Comments for revision of USEMCSC standards documents are welcome from any interested party, regardless of membership affiliation with USEMCSC.

Suggestions for changes in documents should be in the form of a proposed change of text, together with appropriate supporting comments. Since USEMCSC standards represent a consensus of concerned interests, it is important that any responses to comments and questions also receive the concurrence of a balance of interests. For this reason, USEMCSC is not able to provide an instant response to comments or questions, except in those cases where the matter has previously been addressed. Any person who would like to participate in evaluating comments or in revisions to a USEMCSC standard is welcome to join the relevant USEMCSC C63 Standards Committee working group. You can indicate interest in a working group by sending a request to sasecretariat@ieee.org.

Comments on standards should be submitted using the [Contact Us](#) form.¹

Laws and regulations

Users of USEMCSC standards documents should consult all applicable laws and regulations. Compliance with the provisions of any USEMCSC standards document does not constitute compliance to any applicable regulatory requirements. Implementers of the standard are responsible for observing or referring to the applicable regulatory requirements. USEMCSC does not, by the publication of its standards, intend to urge action that is not in compliance with applicable laws, and these documents may not be construed as doing so.

Data privacy

Users of USEMCSC Standards documents should evaluate the standards for considerations of data privacy and data ownership in the context of assessing and using the standards in compliance with applicable laws and regulations.

¹ Available at: <https://standards.ieee.org/content/ieee-standards/en/about/contact/index.html>.