

SCTE • ISBE[®]

S T A N D A R D S

Interface Practices Subcommittee

AMERICAN NATIONAL STANDARD

ANSI/SCTE 108 2018

**Test Method for
Dielectric Withstand of Coaxial Cable**

NOTICE

The Society of Cable Telecommunications Engineers (SCTE) / International Society of Broadband Experts (ISBE) Standards and Operational Practices (hereafter called “documents”) are intended to serve the public interest by providing specifications, test methods and procedures that promote uniformity of product, interchangeability, best practices and ultimately the long-term reliability of broadband communications facilities. These documents shall not in any way preclude any member or non-member of SCTE•ISBE from manufacturing or selling products not conforming to such documents, nor shall the existence of such standards preclude their voluntary use by those other than SCTE•ISBE members.

SCTE•ISBE assumes no obligations or liability whatsoever to any party who may adopt the documents. Such adopting party assumes all risks associated with adoption of these documents, and accepts full responsibility for any damage and/or claims arising from the adoption of such documents.

Attention is called to the possibility that implementation of this document may require the use of subject matter covered by patent rights. By publication of this document, no position is taken with respect to the existence or validity of any patent rights in connection therewith. SCTE•ISBE shall not be responsible for identifying patents for which a license may be required or for conducting inquiries into the legal validity or scope of those patents that are brought to its attention.

Patent holders who believe that they hold patents which are essential to the implementation of this document have been requested to provide information about those patents and any related licensing terms and conditions. Any such declarations made before or after publication of this document are available on the SCTE•ISBE web site at <http://www.scte.org>.

All Rights Reserved

© Society of Cable Telecommunications Engineers, Inc. 2018
140 Philips Road
Exton, PA 19341

Table of Contents

Title	Page Number
NOTICE	2
Table of Contents	3
1. Introduction	4
1.1. Executive Summary	4
1.2. Scope	4
1.3. Benefits	4
1.4. Intended Audience	4
1.5. Areas for Further Investigation or to be Added in Future Versions	4
2. Normative References	4
2.1. SCTE References	4
2.2. Standards from Other Organizations	4
2.3. Published Materials	5
3. Informative References	5
3.1. SCTE References	5
3.2. Standards from Other Organizations	5
3.3. Published Materials	5
4. Compliance Notation	5
5. Abbreviations and Definitions	5
5.1. Abbreviations	5
5.2. Definitions	6
6. AC vs. DC Hipot Testing	6
7. Equipment	6
8. Test Samples	8
9. Test Method	8
10. Pass/Fail Criteria	9
11. APPENDIX	9
11.1. Relevant AC Equations	9
11.2. AC Hipot Test Example	10
11.3. DC Hipot Test Example	10