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Test Method for Transfer Impedance

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1. Introduction

1.1. Executive Summary

Transfer impedance is a measure of shielding effectiveness. This procedure provides instructions for performing the measurement on flexible coaxial drop cables.

1.2. Scope

This procedure is for the measurement of transfer impedance of coaxial drop cables from 5 MHz to the maximum specified frequency using a terminated tri-axial test fixture.

1.3. Benefits

Using this procedure, the transfer impedance of a cable can be characterized and used to determine its shielding effectiveness. Lower transfer impedance means better shielding and less signal ingress or egress.

1.4. Intended Audience

This is a laboratory measurement used primarily by development engineers for the improvement of coaxial drop cable shields.

2. Normative References

The following documents contain provisions, which, through reference in this text, constitute provisions of this document. At the time of Subcommittee approval, the editions indicated were valid. All documents are subject to revision; and while parties to any agreement based on this document are encouraged to investigate the possibility of applying the most recent editions of the documents listed below, they are reminded that newer editions of those documents might not be compatible with the referenced version.

2.1. SCTE References

- No normative references are applicable.

2.2. Standards from Other Organizations

- No normative references are applicable.

2.3. Published Materials

- No normative references are applicable.

3. Informative References

The following documents might provide valuable information to the reader but are not required when complying with this document.

3.1. SCTE References

- No informative references are applicable.