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Test Method for “F” Connector Return Loss

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TABLE OF CONTENTS

1.0	SCOPE	1
2.0	NORMATIVE REFERENCES	1
3.0	COMPLIANCE NOTATION.....	2
4.0	DEFINITIONS.....	2
5.0	EQUIPMENT	3
6.0	TEST SAMPLES	3
7.0	MEASUREMENT METHODOLOGY	4
8.0	INSPECTION	6
9.0	REPORT	6
10.0	ERROR ANALYSIS	6

LIST OF FIGURES

FIGURE 1 – EQUIPMENT SETUP	3
FIGURE 2 – TIME DOMAIN AND FREQUENCY RESPONSE TRACE (NO GATING)	4
FIGURE 3 – TIME DOMAIN AND FREQUENCY RESPONSE AND GATING	5

1.0 SCOPE

The purpose of this document is to provide a test method for measuring return loss of “F” Male Connectors with Cable in the frequency range of 5 MHz to 1002 MHz by utilizing the time domain-gating feature of the network analyzer. Male “F” connectors that conform to SCTE 123 2011; Specification for “F” Connector, Male, Feed-Through or SCTE 124 2011; Specification for “F” Connector, Male, Pin Type that are used with 75 Ohm flexible RF coaxial cable, such as, but not limited to, SCTE 74 2011; Specification for Braided 75 Ohm Flexible RF Coaxial Drop Cable shall be utilized.

2.0 NORMATIVE REFERENCES

The following documents contain provisions, which, through reference in this text, constitute provisions of the standard. At the time of Subcommittee approval, the editions indicated were valid. All standards are subject to revision; and while parties to any agreement based on this standard 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 may not be compatible with the referenced version.

2.1 SCTE References

ANSI/SCTE 74 2011 – Specification for 75 Ohm Braided Flexible RF Coaxial Drop Cable

ANSI/SCTE 123 2011 – Specification for "F" Connector, Male, Feed-Through

ANSI/SCTE 124 2011 – Specification for “F” Connector, Male, Pin Type