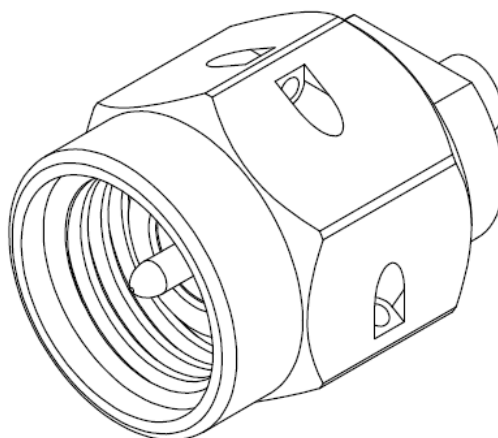




GT-25-194

COAX CONNECTOR, SMA MALE GRF01-0300-SMA-MS-141 FOR CABLE 962-025-141 RF Signal Integrity Report





Revision History

Rev	Date	Issued	Approved	Description
1	10/13/2025	L. Blackwell / N. Davis	G. Hunziker	Initial Release

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1. Introduction

This document contains results from testing that was performed to evaluate the high-frequency electrical performance of the Glenair SMA Male connector, part number GRF01-0300-SMA-MS-141. This report outlines the frequency domain performances of Insertion Loss (IL) and Voltage Standing Wave Ratio (VSWR).

2. Test Information

2.1. Test Samples

Test samples consisted of GRF01-0300-SMA-MS-141 connectors terminated to Glenair cable 962-025-141.



Figure 1. GRF01-0300-SMA-MS-141 Test Article

2.2. Test Setup

Measurements were taken using an Anritsu MS46524B Vector Network Analyzer. No test fixturing was required as the test samples are directly connected to the test equipment. The test data was saved in a touchstone (.s2p) format.

3. Test Results

3.1.1. Connector Insertion Loss

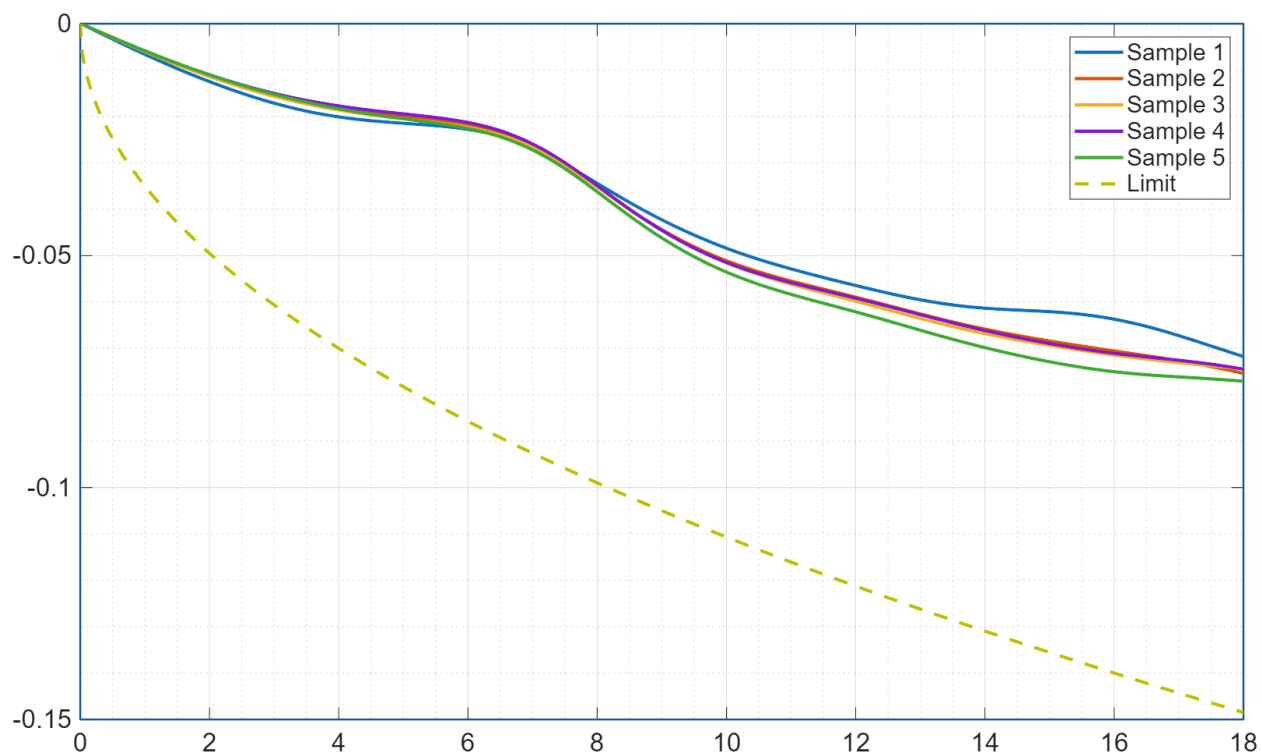


Figure 2. Connector Insertion Loss



3.1.2. Connector VSWR

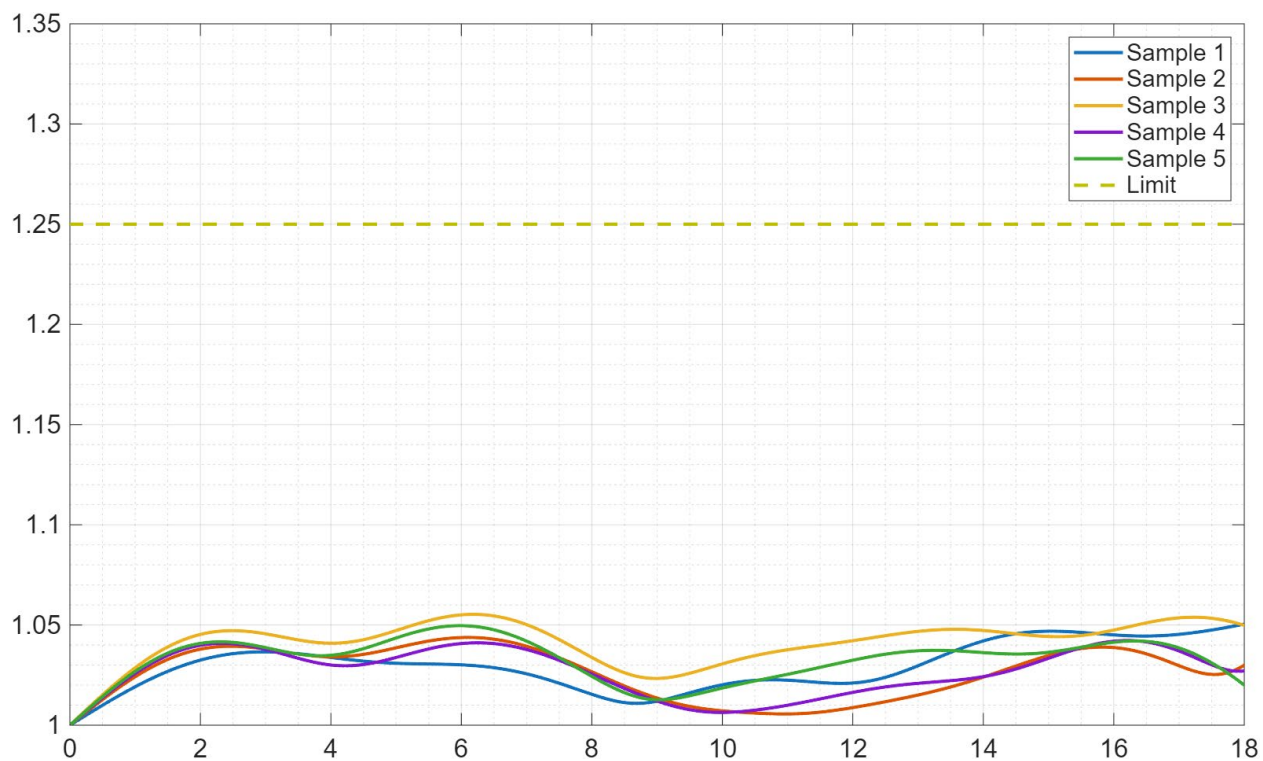


Figure 3. Connector VSWR