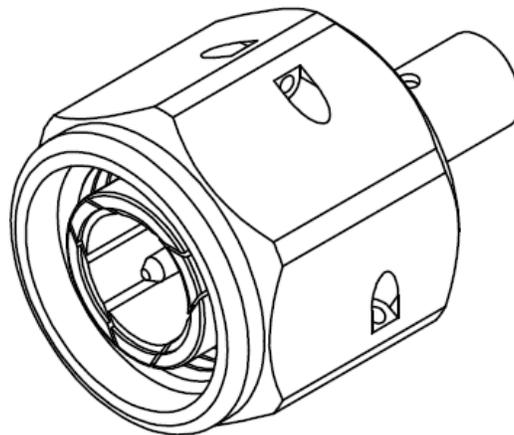




# GT-26-006

COAX CONNECTOR, ATNC MALE  
GRF01-0300-ATNC-MS-086 FOR CABLE 962-025-086  
RF Signal Integrity Report





## Revision History

| Rev | Date      | Issued       | Approved    | Description     |
|-----|-----------|--------------|-------------|-----------------|
| 1   | 1/13/2026 | L. Blackwell | G. Hunziker | Initial Release |
|     |           |              |             |                 |
|     |           |              |             |                 |
|     |           |              |             |                 |

## Table of Contents

|                                       |   |
|---------------------------------------|---|
| 1. Introduction .....                 | 3 |
| 2. Test Information .....             | 3 |
| 2.1. Test Samples .....               | 3 |
| 2.2. Test Setup .....                 | 3 |
| 3. Test Results .....                 | 4 |
| 3.1.1. Connector Insertion Loss ..... | 4 |
| 3.1.2. Connector VSWR .....           | 5 |

## Table of Figures

|   |   |
|---|---|
| Figure 1. GRF01-0300-ATNC-MS-086 Test Article ..... | 3 |
| Figure 2. Connector Insertion Loss .....            | 4 |
| Figure 3. Connector VSWR .....                      | 5 |

## 1. Introduction

This document contains results from testing that was performed to evaluate the high-frequency electrical performance of the Glenair ATNC male connector, part number GRF01-0300-ATNC-MS-086. 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-ATNC-MS-086 connectors terminated to Glenair cable 962-025-086.



Figure 1. GRF01-0300-ATNC-MS-086 Test Article

### 2.2. Test Setup

Measurements were taken using an Anritsu MS46524B Vector Network Analyzer. Test adapters were used to connect to the test equipment. The test data was saved in a touchstone (.s2p) format.

### 3. Test Results

#### 3.1.1. Connector Insertion Loss

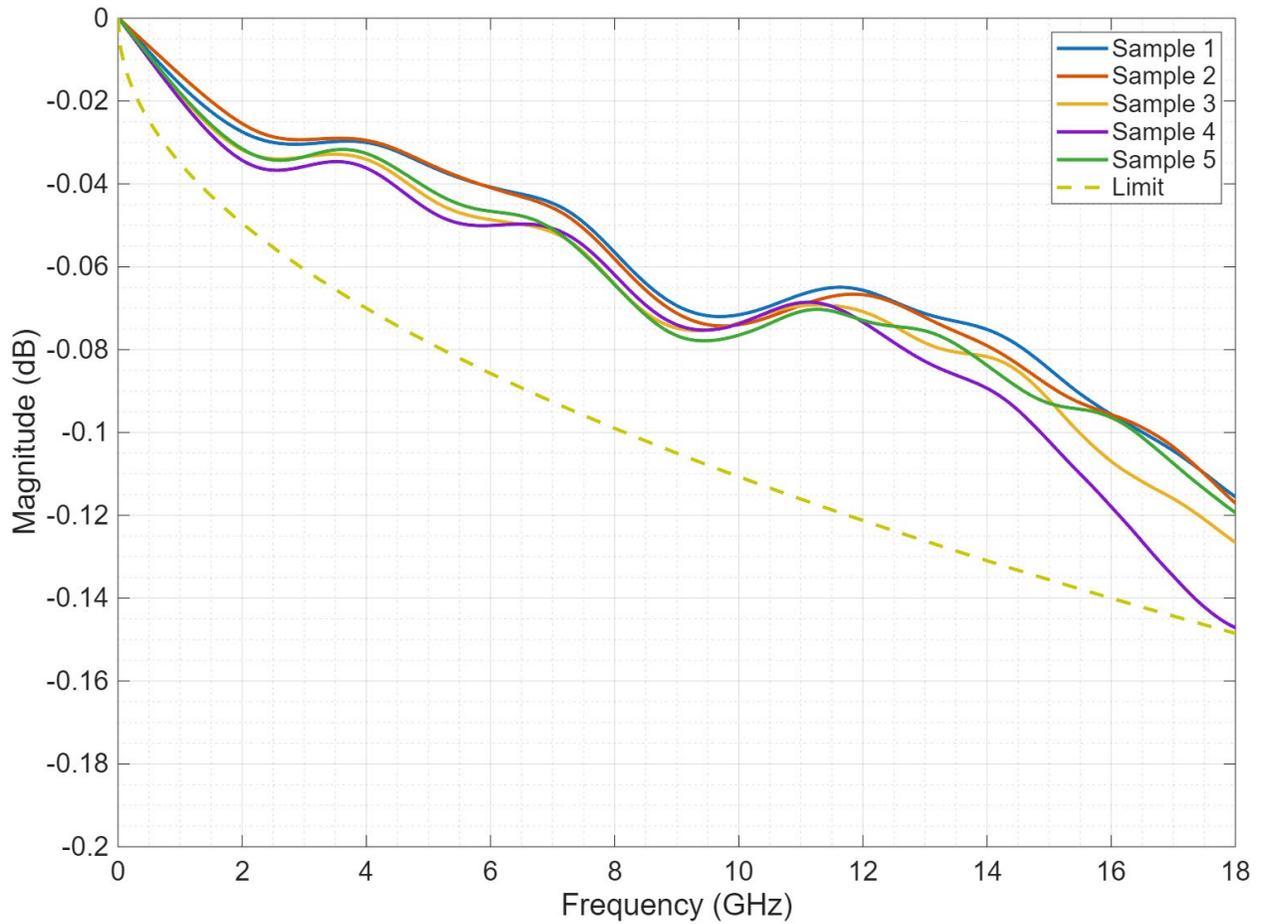


Figure 2. Connector Insertion Loss

### 3.1.2. Connector VSWR

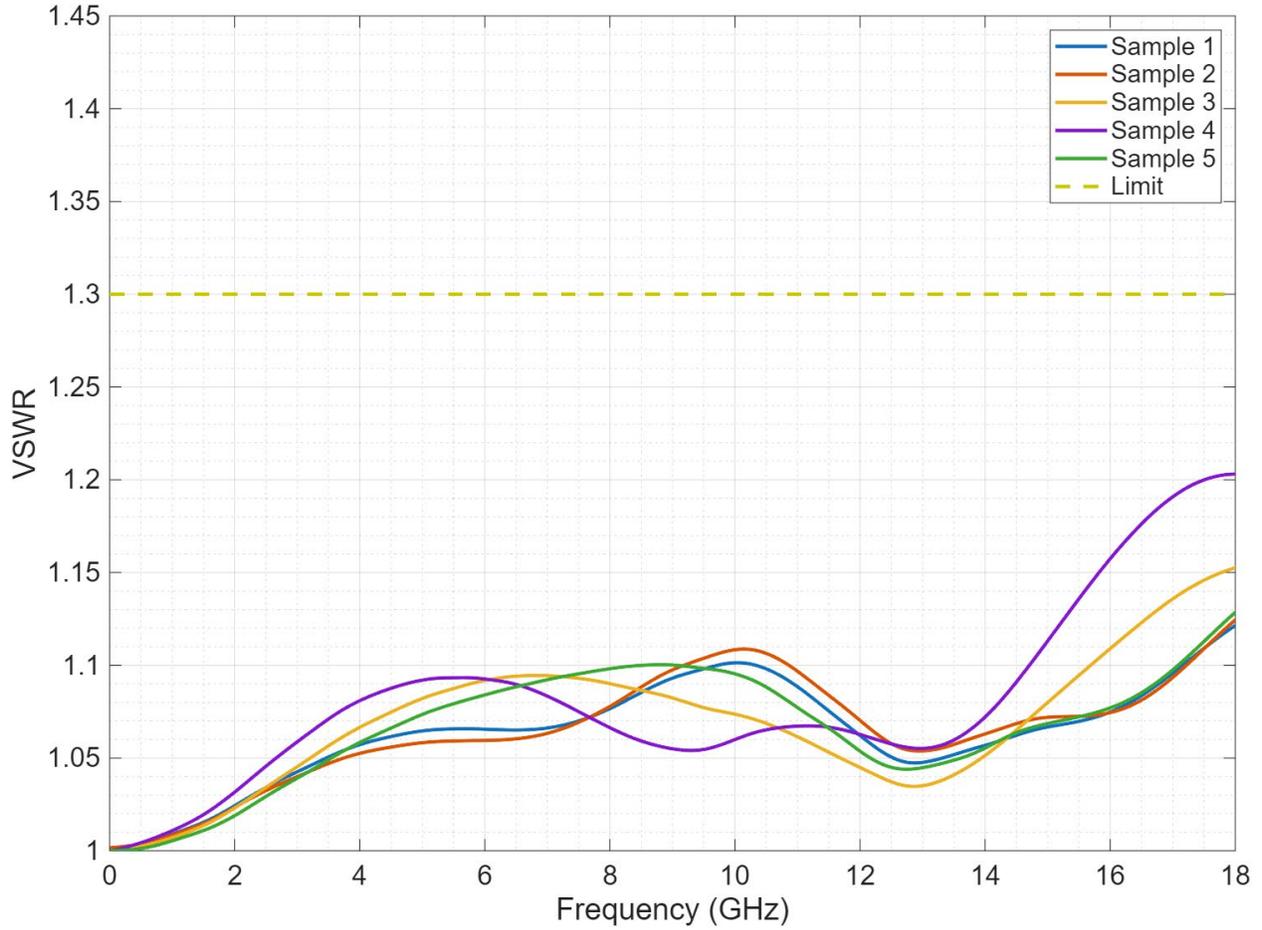


Figure 3. Connector VSWR