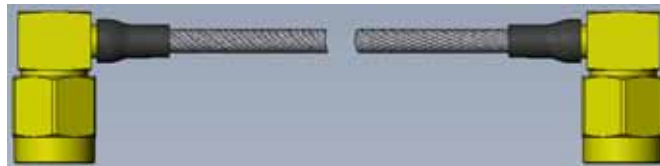




RF Characterization Report

RF405 Series Cable Assemblies

RF405-01RP1-01RP1-0305



RF405-10PN1-10BH4-0305



Description:
**RF Cable Assembly, RG405 24 AWG,
Semi-Flexible Coaxial Cable**

Series: RF405

Description: RF Cable Assembly, RG405 24 AWG, Semi-Flexible Coaxial Cable

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Series: RF405

Description: RF Cable Assembly, RG405 24 AWG, Semi-Flexible Coaxial Cable

Test Setup Information

Scope:

To perform characterization tests, Insertion Loss, Return Loss and Voltage Standing Wave Ratio.

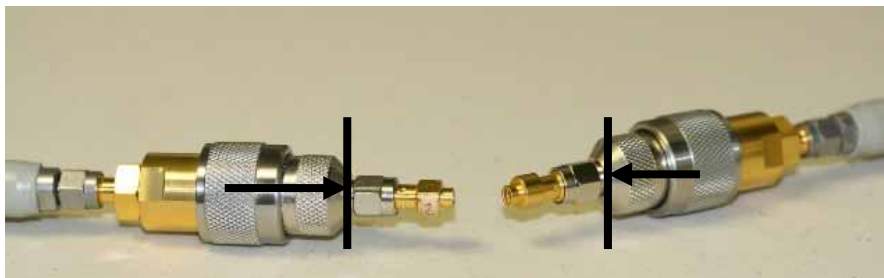
Product Description:

The table below presents a description of the RF405 series cable assembly that was tested.

Part Number	Length	Termination – End 1	Termination – End 2
RF405-01RP1-01RP1-0305	305mm	SMA, RA, Plug	SMA, RA, Plug
RF405-10PN1-10BH4-0305	305mm	AFI, Straight, Jack	AFI, Straight, Plug

Test Calibration:

Calibration is performed using Agilent mechanical calibration kit, PN 85052D to the calibration point below. Any adapters beyond this point are included in the measurements.



(Sample setup of adapters, actual setup not depicted.)

Series: RF405**Description:** RF Cable Assembly, RG405 24 AWG, Semi-Flexible Coaxial Cable**Adapter Use:**

Each port uses at least one precision adapter capable of mating to the assembly under test. Any supplementary adapter will contribute additional electrical characteristics to the measured data. Any use of additional adapters is noted.

Product Part Number	Used Adapter Part Number	Adapter End 1	Adapter End 2	Vender	Used Quantity
RF405-01RP1-01RP1-0305	NA	NA	NA	NA	0
RF405-10PN1-10BH4-0305	ADP5-01SJ7-10SJ7; ADP5-01SJ7-10SP4;	SMA Jack; SMA Jack;	AFI Jack; AFI Plug;	Samtec	2

Definition of Assembly under Test:

The performance characteristics include the interface with adapters.

Port Designations:

The connector attached to port 1 of the VNA is "End 1" from the part number callout. Insertion Loss is measured using S21 and Return Loss / VSWR is measured using S11.

Legend for Plots:

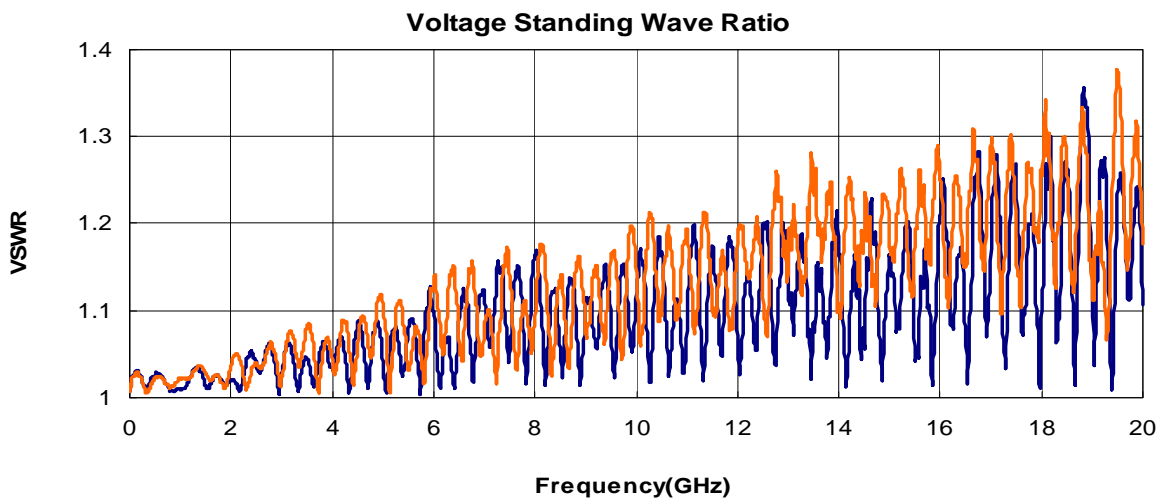
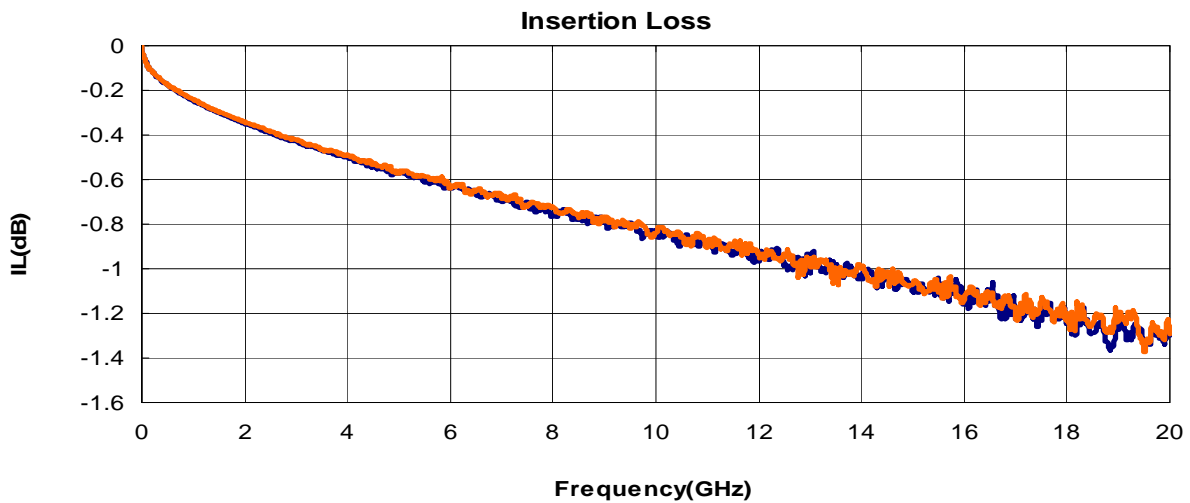
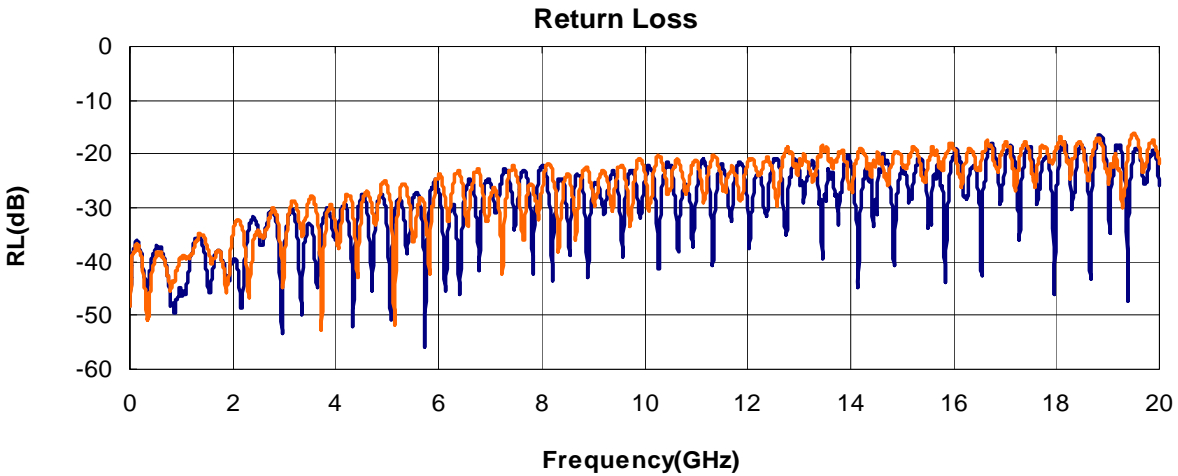
5 samples were tested. Base on the insertion loss, the min/max plots are shown for clarity in this report.

Series: RF405

Description: RF Cable Assembly, RG405 24 AWG, Semi-Flexible Coaxial Cable

Results Summary

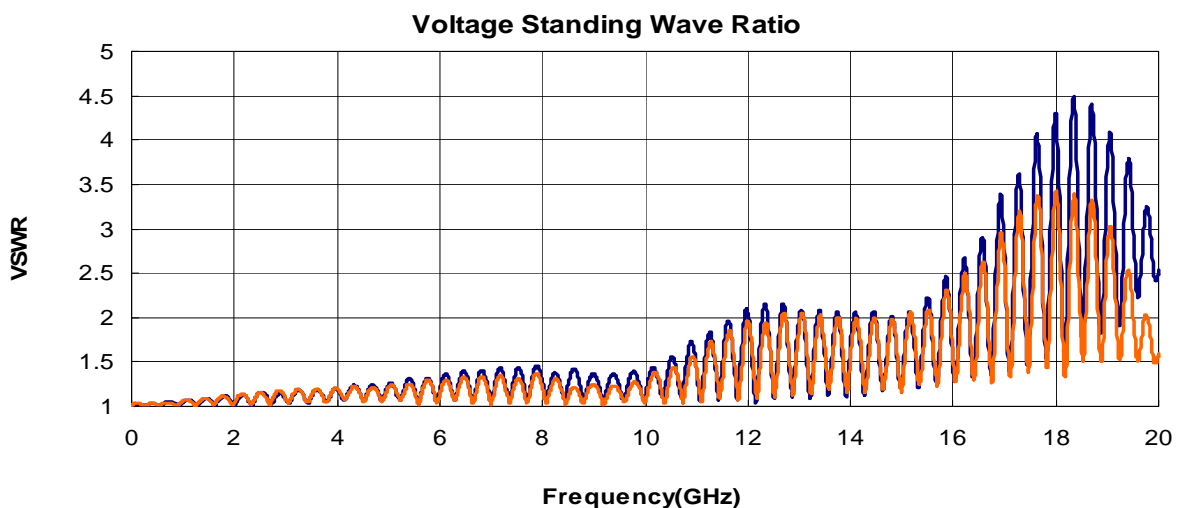
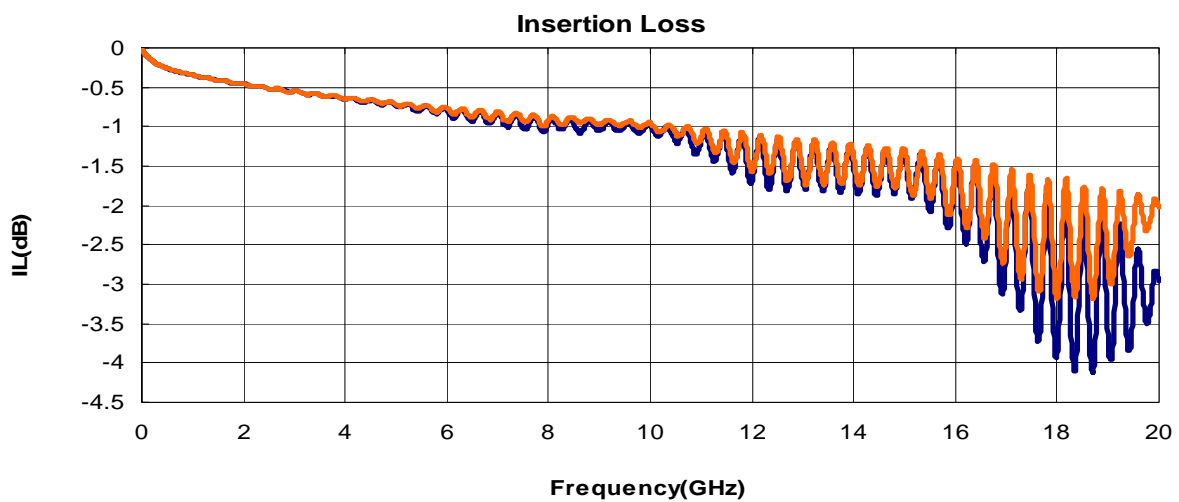
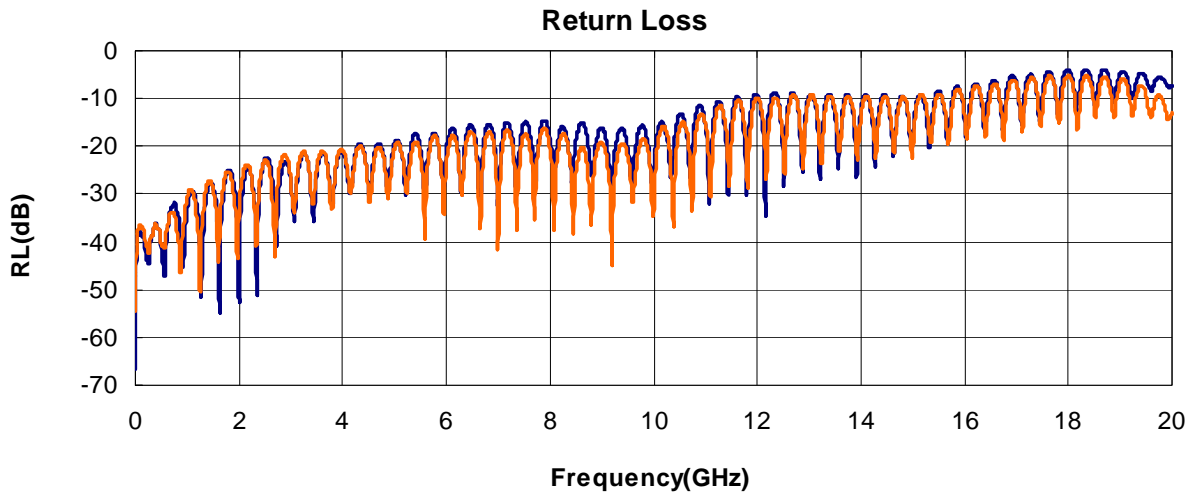
RF405-01RP1-01RP1-0305



Series: RF405

Description: RF Cable Assembly, RG405 24 AWG, Semi-Flexible Coaxial Cable

RF405-10PN1-10BH4-0305



Series: RF405

Description: RF Cable Assembly, RG405 24 AWG, Semi-Flexible Coaxial Cable

Instrument Setup:

Network analyzer (Agilent N5230C) was used for the measurements and setup as below:

Network Analyzer	Agilent N5230C PNA-L Series (300 KHz - 20 GHz)
Mechanical Calibration Kit	85052D

Averaging Factor	0
Smoothing	Off
IF Bandwidth	1 KHz
Sweep Start	300 KHz
Sweep End	20 GHz
Points	1601

Test Fixtures:



N5230C (Typical set-up, actual part not depicted.)