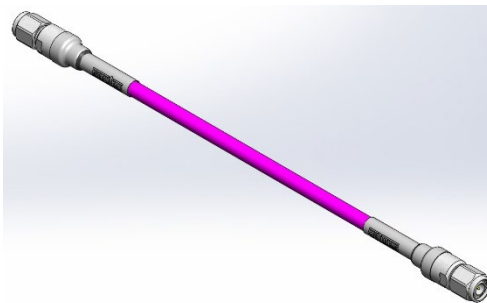


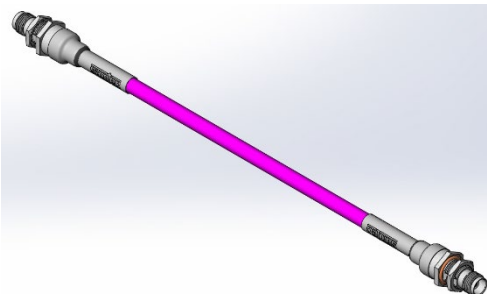


RF Characterization Report

RF280-04SP-04SP-XXXX



RF280-04BJ-04BJ-XXXX



Test Date: Feb, 2023

Description:
50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End Options

Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End Options

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Series: RF280

Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End Options

Test Setup Information

Scope:

Provide standing wave ratio, return loss and insertion loss performance parameters for RF280 RF cable assembly.

Instrument Setup & Test Accessories:

Network Analyzer	Keysight PNA N5227B
Averaging Factor	1
Smoothing	Off
IF Bandwidth	1 KHz
Sweep Start	10 MHz
Sweep End	18 GHz
Points	1800
Test Cables	Gore 0F0CACB036.0-LF(DC to 67 GHz)

Calibration Type:

A Keysight mechanical calibration is performed for N5227B using Maury MCAL 8680CK11 calibration kit.

Calibration Kit	Maury MCAL 8680CK11
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Adapter Use:

3.5mm female to TNC female (Maury 8682A) and 3.5mm female to TNC male (Maury 8682B) adapters were used for the measurements of RF280-04SP-04SP-XXXX and RF280-04BJ-04BJ-XXXX. The adapter effects were removed from the measurement by calibration.

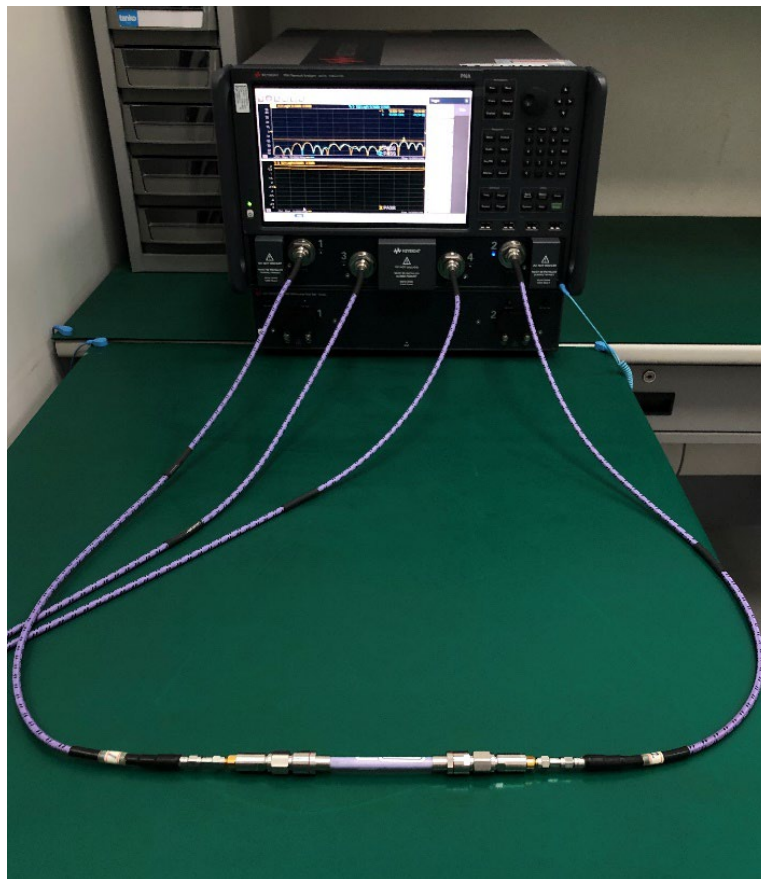
Series: RF280

Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End Options

RF280-04XX-04XX-XXXX Test Definition

Part Number	End 1	End 2
RF280-04SP-04SP-XXXX	TNCA Straight Plug	TNCA Straight Plug
RF280-04BJ-04BJ-XXXX	TNCA Straight Bulkhead Jack	TNCA Straight Bulkhead Jack

Cable Under Test:



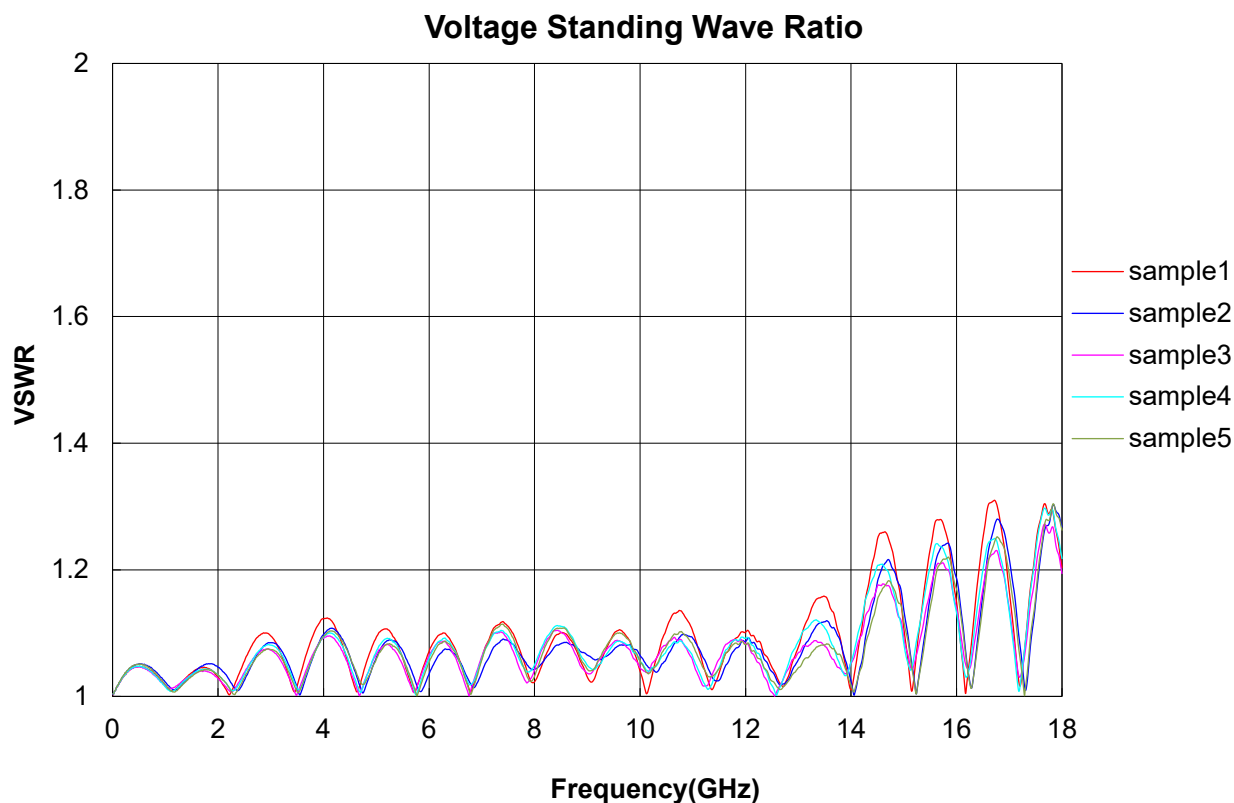
Series: RF280

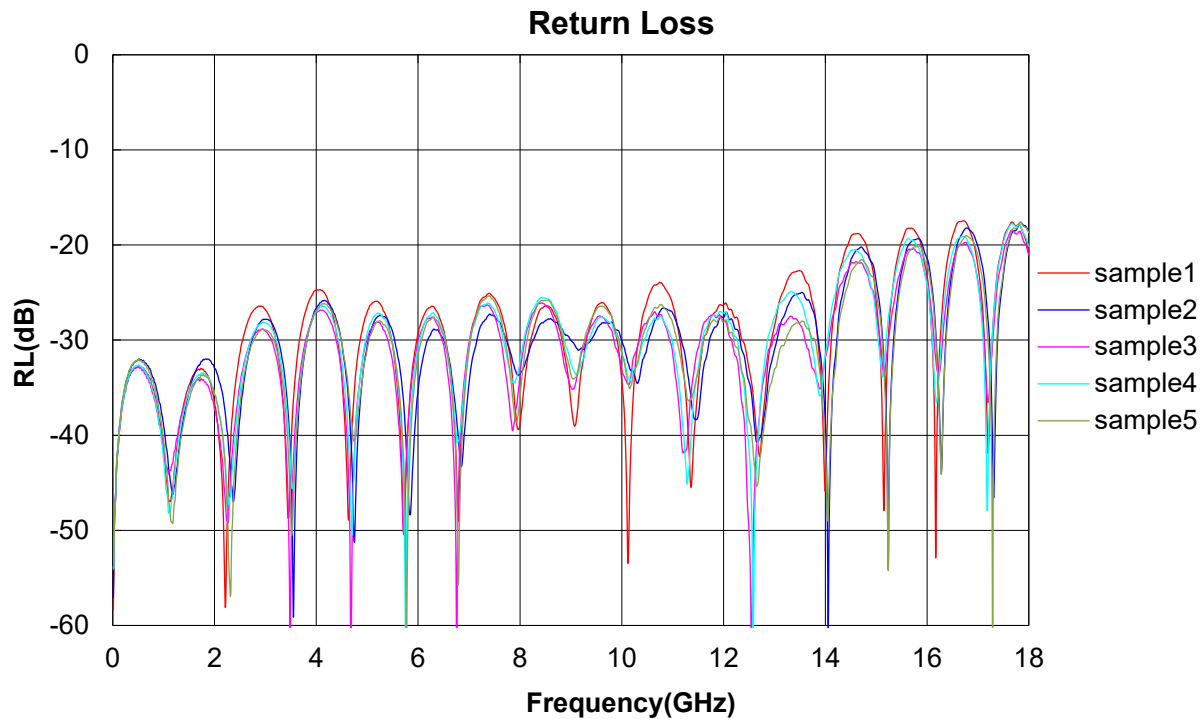
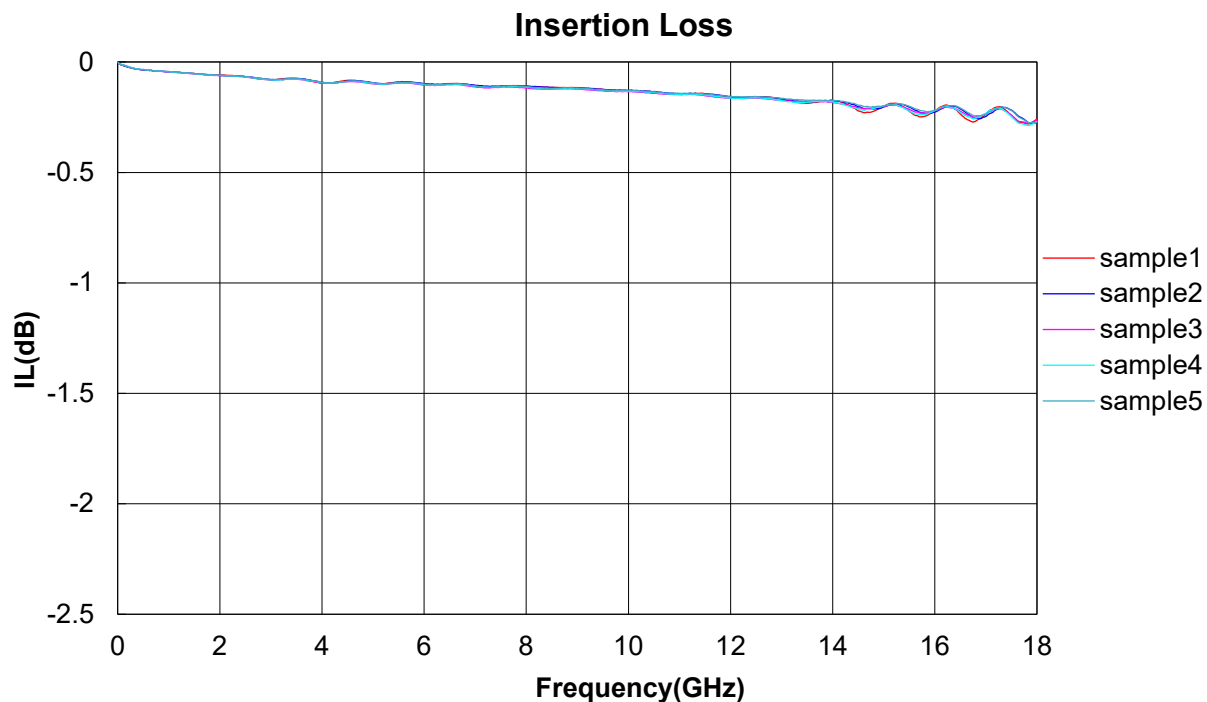
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End Options

Results: RF280-04SP-04SP-0152

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
1	1.31 @ 16.72 GHz	-17.45 @ 16.72 GHz	-0.28 dB @ 17.83 GHz
2	1.30 @ 17.84 GHz	-17.62 @ 17.84 GHz	-0.28 dB @ 17.95 GHz
3	1.27 @ 17.67 GHz	-18.44 @ 17.67 GHz	-0.28 dB @ 17.83 GHz
4	1.30 @ 17.67 GHz	-17.76 @ 17.67 GHz	-0.29 dB @ 17.83 GHz
5	1.30 @ 17.83 GHz	-17.59 @ 17.83 GHz	-0.28 dB @ 17.86 GHz

VSWR



Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End OptionsReturn LossInsertion Loss

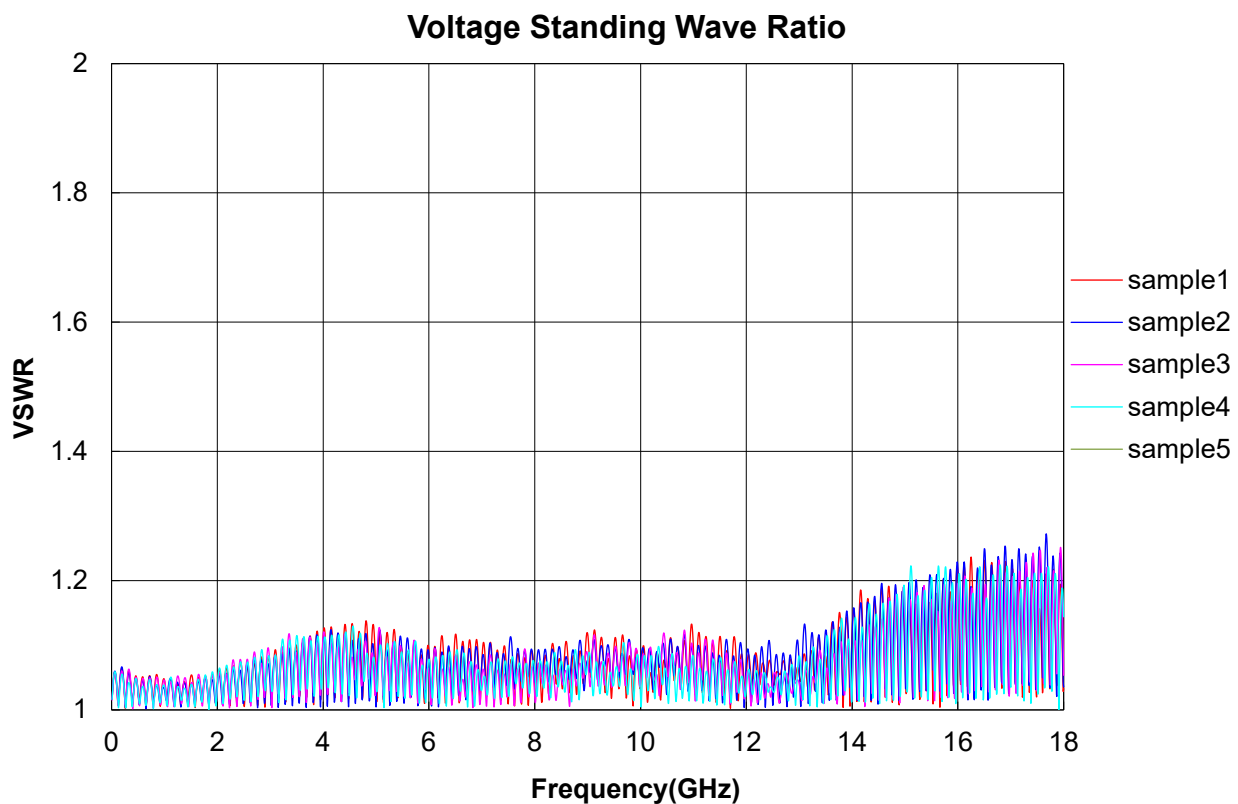
Series: RF280

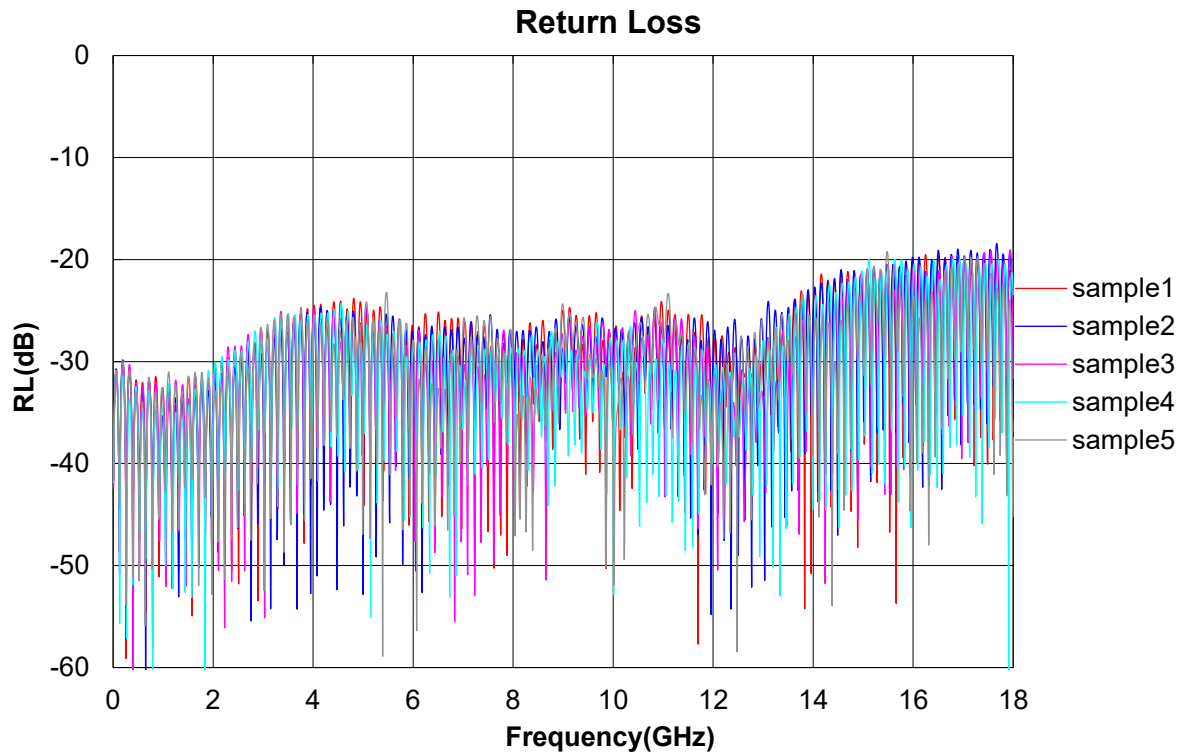
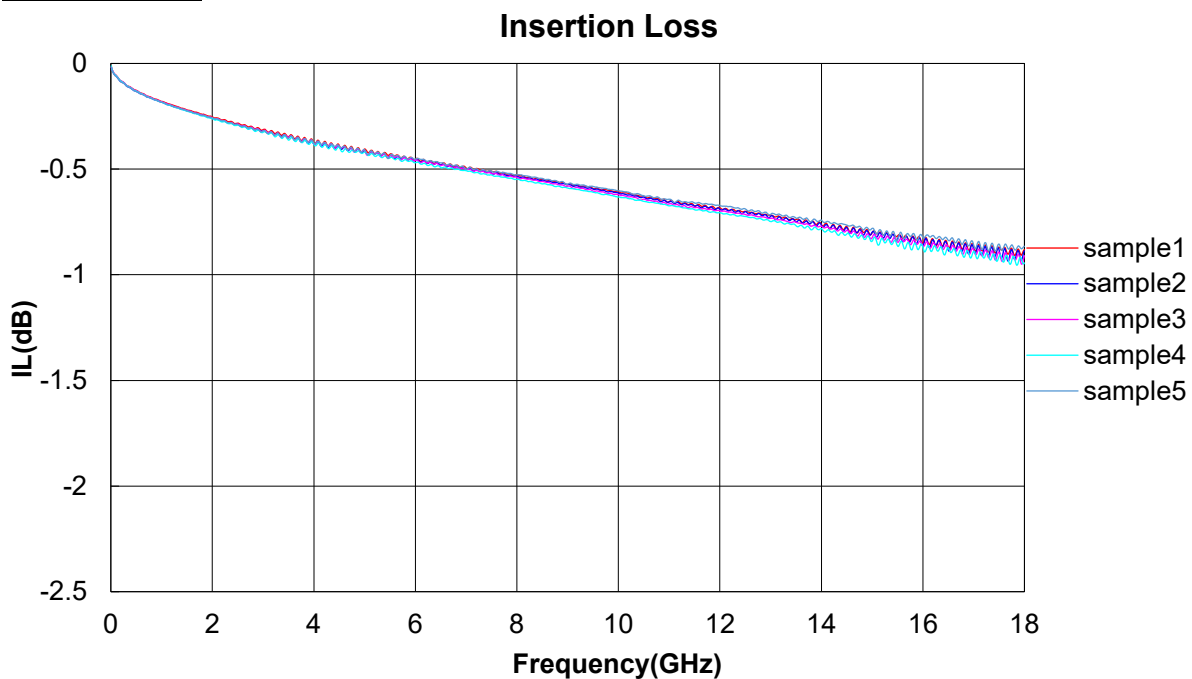
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End Options

Results: RF280-04SP-04SP-1000

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
1	1.24 @ 16.25 GHz	-19.51 @ 16.25 GHz	-0.91 dB @ 17.81 GHz
2	1.27 @ 17.67 GHz	-18.42 @ 17.67 GHz	-0.94 dB @ 17.68 GHz
3	1.25 @ 17.94 GHz	-19.04 @ 17.94 GHz	-0.95 dB @ 17.95 GHz
4	1.22 @ 16.80 GHz	-19.92 @ 16.80 GHz	-0.96 dB @ 17.85 GHz
5	1.25 @ 15.48 GHz	-19.22 @ 15.48 GHz	-0.89 dB @ 17.43 GHz

VSWR



Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End OptionsReturn LossInsertion Loss

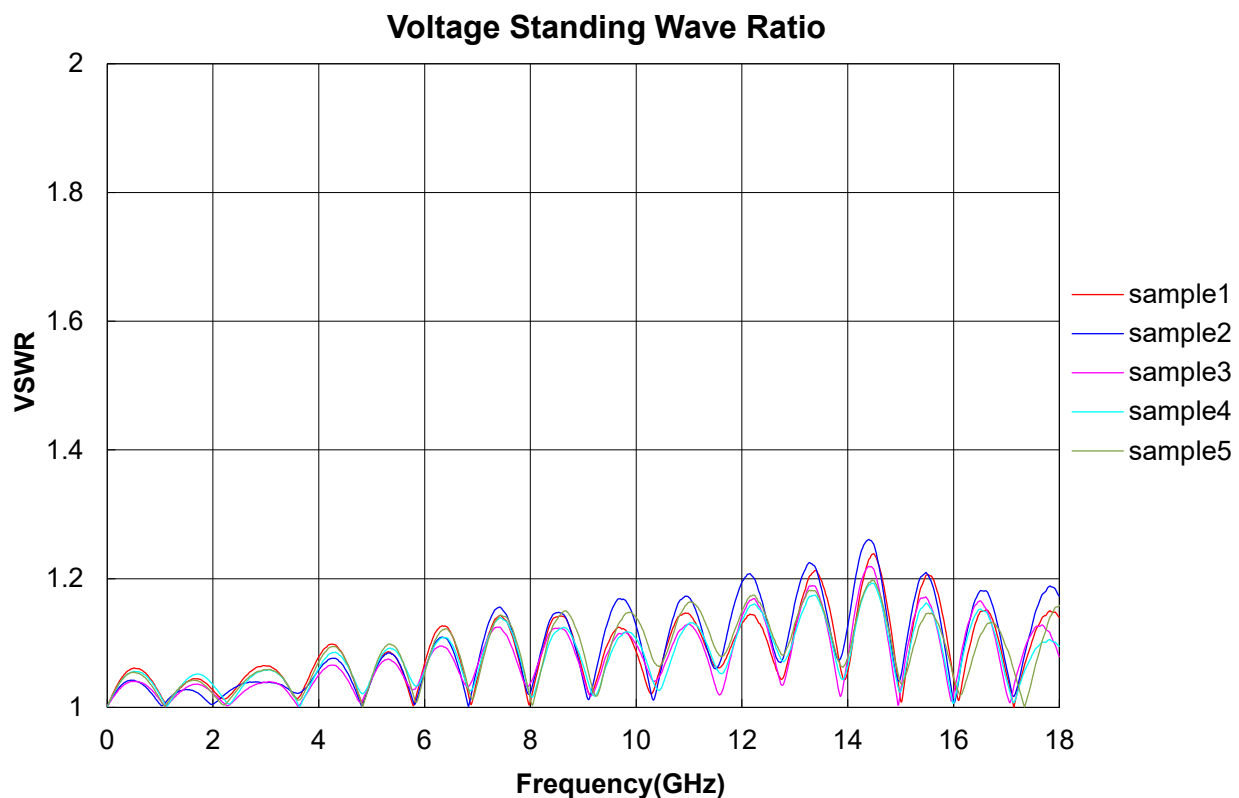
Series: RF280

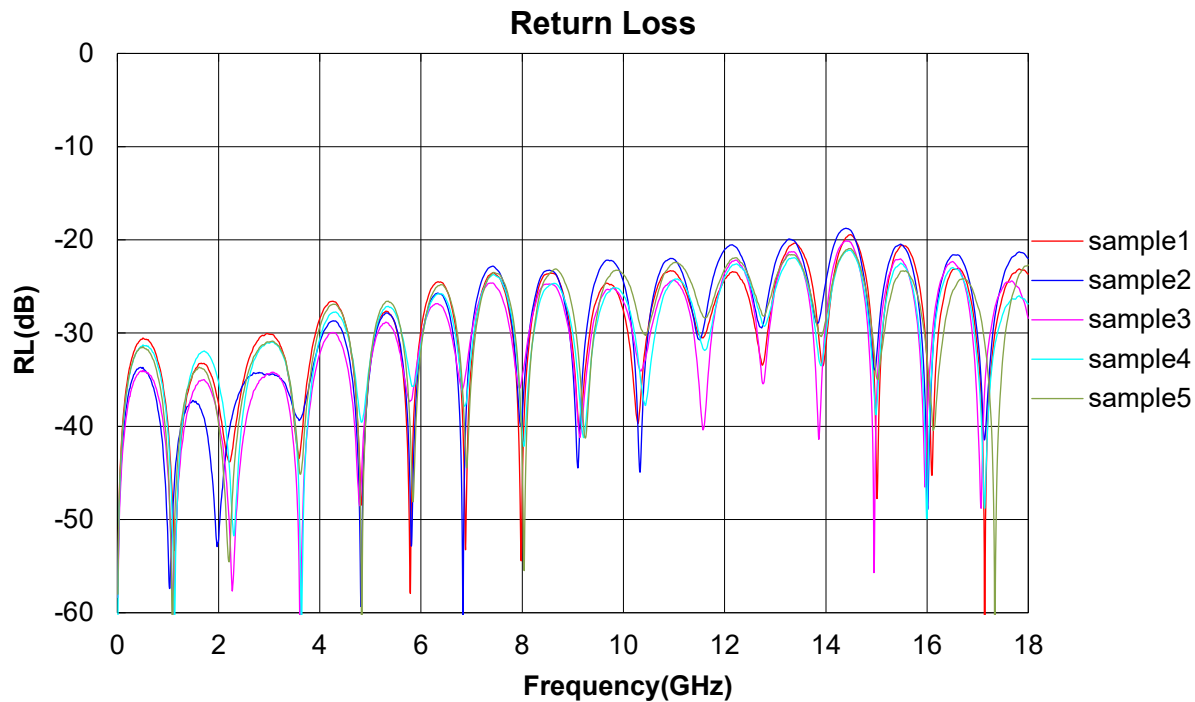
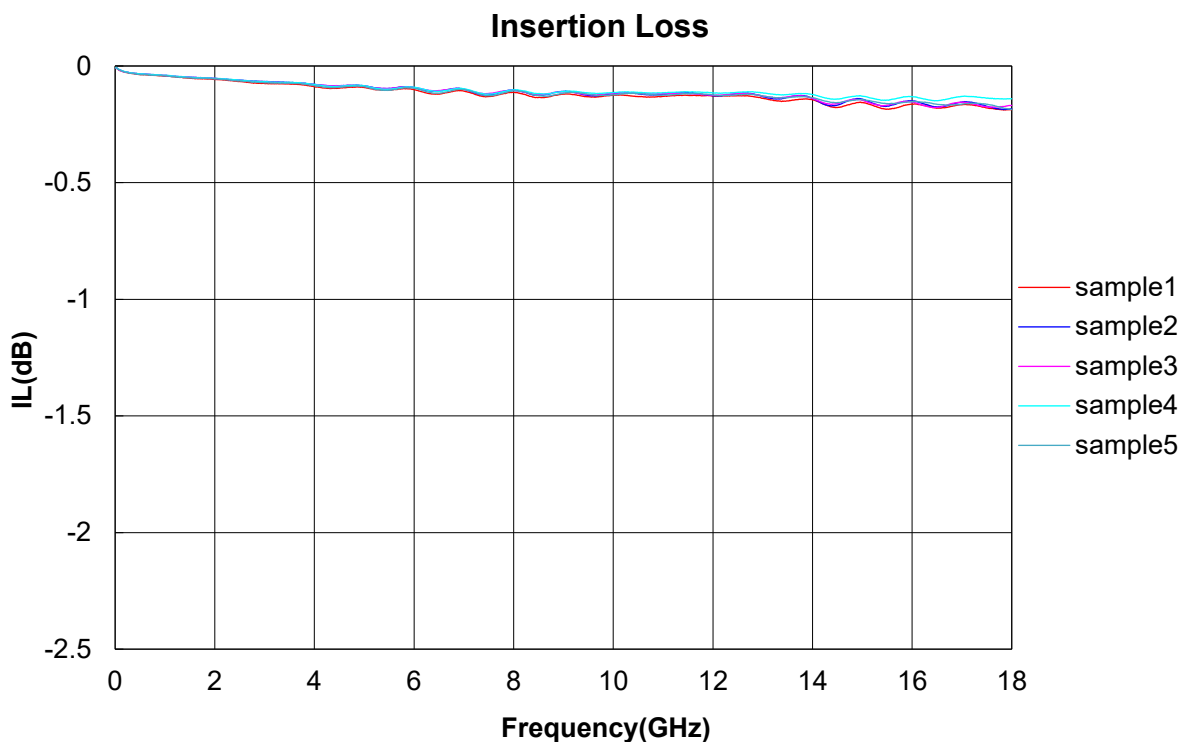
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End Options

Results: RF280-04BJ-04BJ-0152

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
1	1.24 @ 14.49 GHz	-19.44 @ 14.49 GHz	-0.19 dB @ 17.84 GHz
2	1.26 @ 14.40 GHz	-18.76 @ 14.40 GHz	-0.19 dB @ 17.84 GHz
3	1.22 @ 14.40 GHz	-20.11 @ 14.40 GHz	-0.18 dB @ 16.41 GHz
4	1.19 @ 14.45 GHz	-21.11 @ 14.45 GHz	-0.15 dB @ 16.45 GHz
5	1.20 @ 14.49 GHz	-20.93 @ 14.49 GHz	-0.19 dB @ 17.99 GHz

VSWR



Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End OptionsReturn LossInsertion Loss

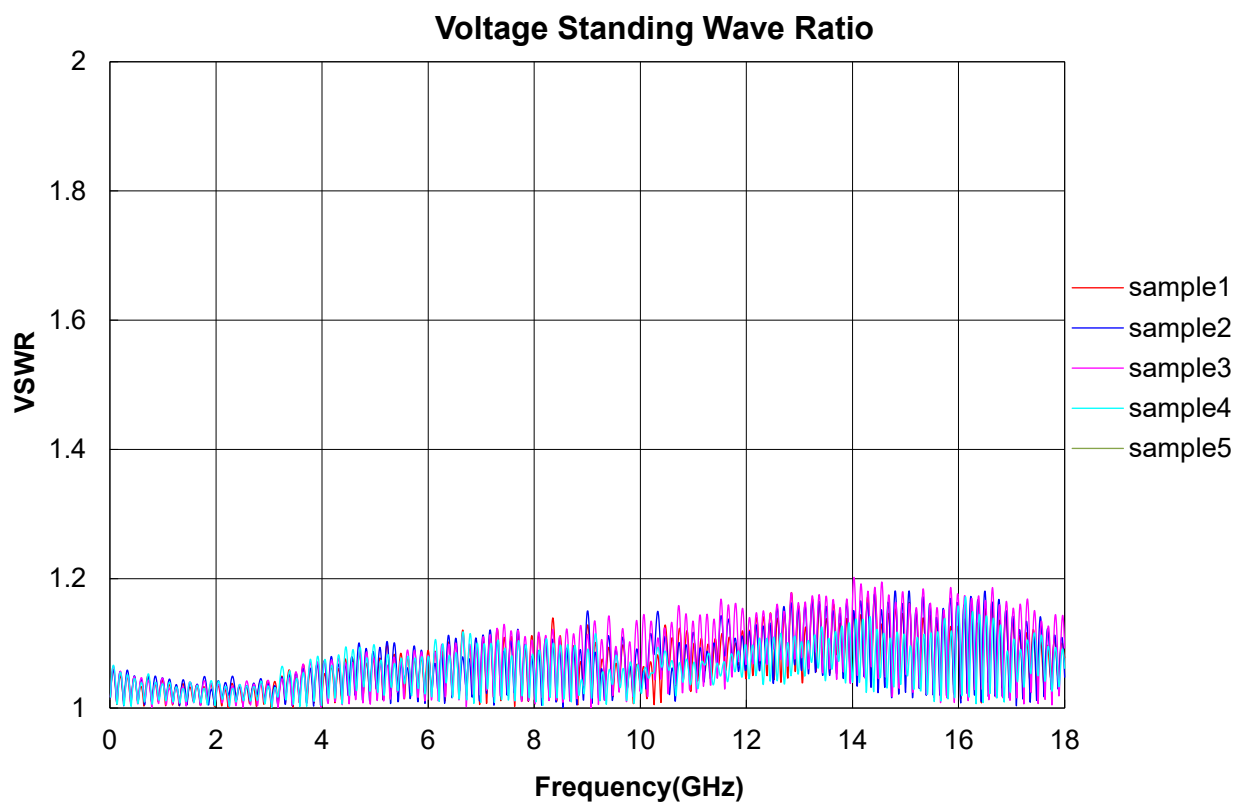
Series: RF280

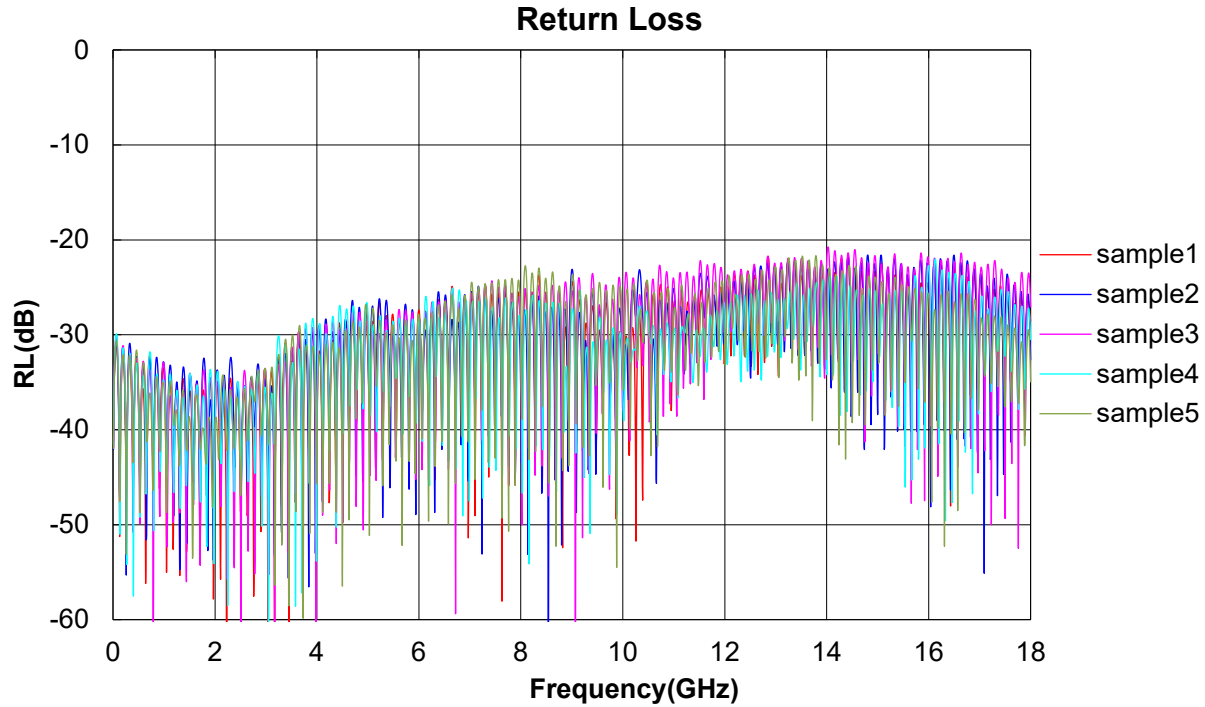
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End Options

Results: RF280-04BJ-04BJ-1000

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
1	1.18 @ 12.85 GHz	-21.72 @ 12.85 GHz	-0.82 dB @ 17.94 GHz
2	1.18 @ 15.07 GHz	-21.61 @ 15.07 GHz	-0.81 dB @ 17.94 GHz
3	1.20 @ 14.03 GHz	-20.75 @ 14.03 GHz	-0.82 dB @ 17.96 GHz
4	1.17 @ 16.13 GHz	-22.00 @ 16.13 GHz	-0.78 dB @ 17.96 GHz
5	1.18 @ 13.79 GHz	-21.66 @ 13.79 GHz	-0.80 dB @ 17.95 GHz

VSWR



Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly,
TNCA End OptionsReturn LossInsertion Loss