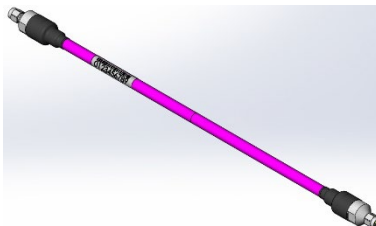


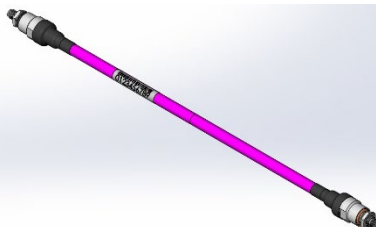


RF Characterization Report

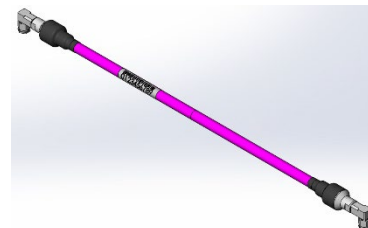
RF280-01SP-01SP-XXXX



RF280-01BJ-01BJ-XXXX



RF280-01RP-01RP-XXXX



Test Date: Nov 4, 2021

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

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

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Series: RF280

Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly, SMA 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 the Keysight ECAL N4694A kit.

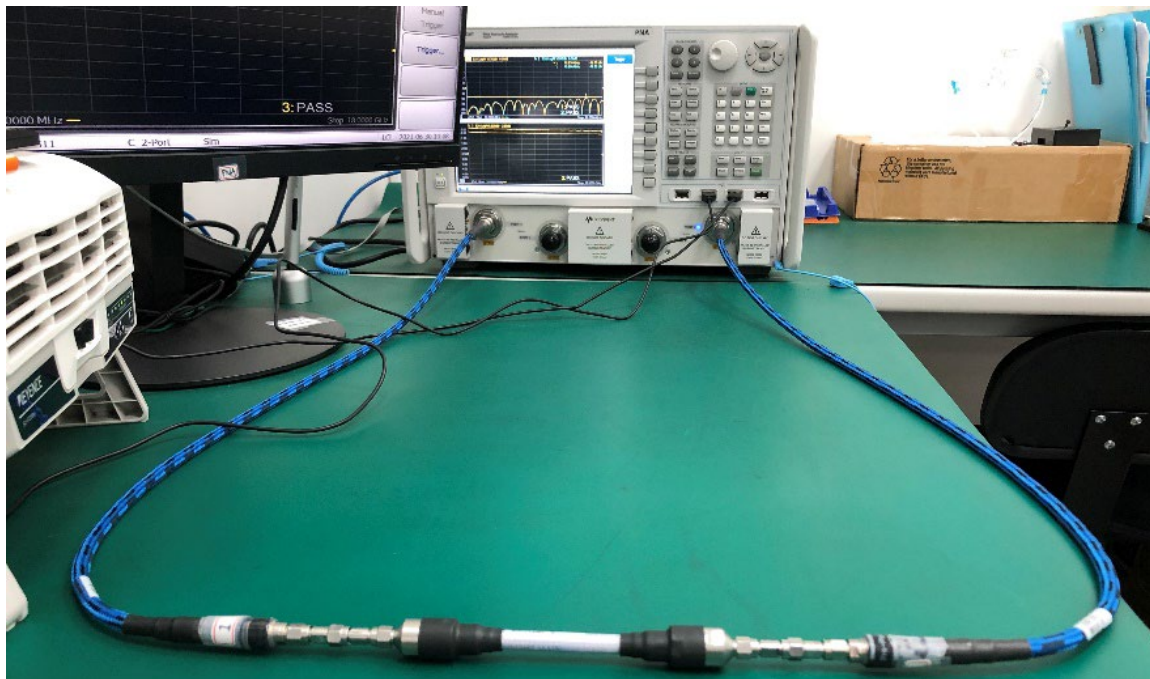
Calibration Kit	Keysight ECAL N4694A
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Adapter Use:

SMA Male/Female to 2.92 mm Male/Female adapters were used for the measurements of RF280-01SP-01SP-XXXX, RF280-01BJ-01BJ-XXXX, and RF280-01RP-01RP-XXXX. The adapter effects were removed from the measurement using the PNA's Fixture Removal method.

Series: RF280**Description:** 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly, SMA End Options**RF280-01XX-01XX-XXXX Test Definition**

Part Number	End 1	End 2
RF280-01SP-01SP-XXXX	SMA Straight Plug	SMA Straight Plug
RF280-01BJ-01BJ-XXXX	SMA Bulkhead Jack	SMA Bulkhead Jack
RF280-01RP-01RP-XXXX	SMA Right-Angle Plug	SMA Right-Angle Plug

Cable Under Test:

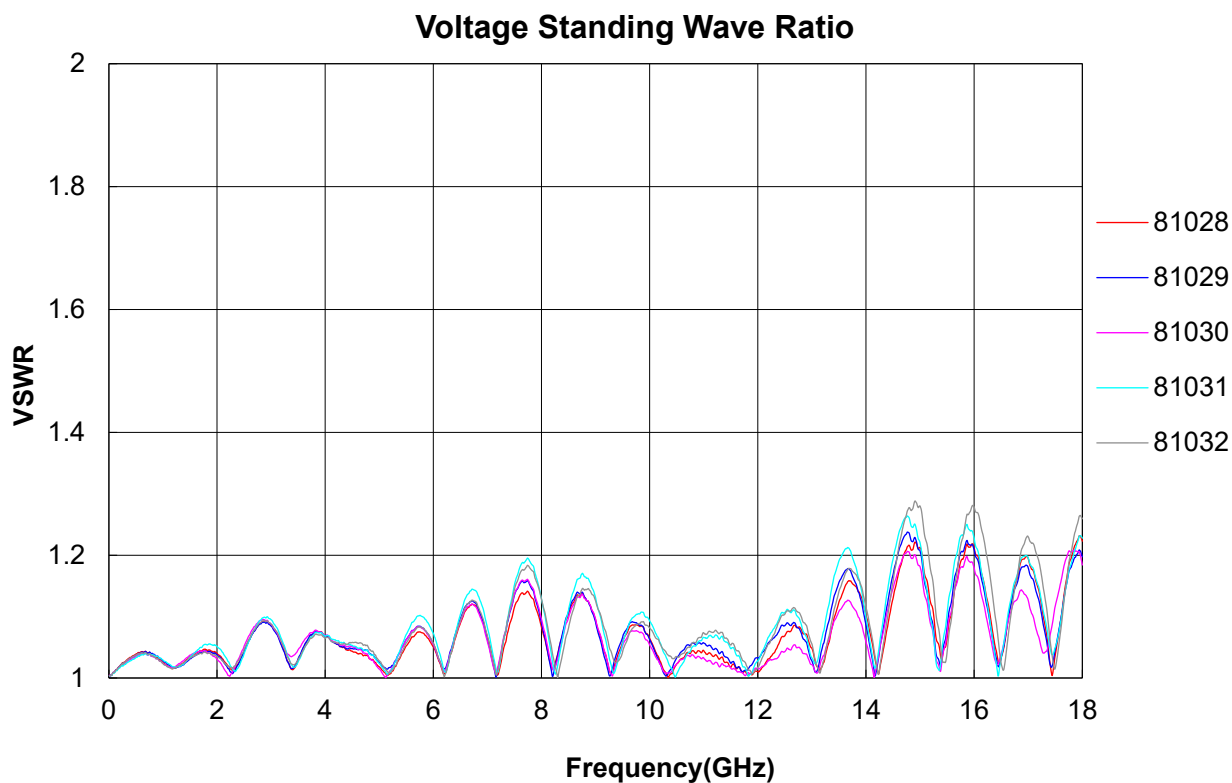
Series: RF280

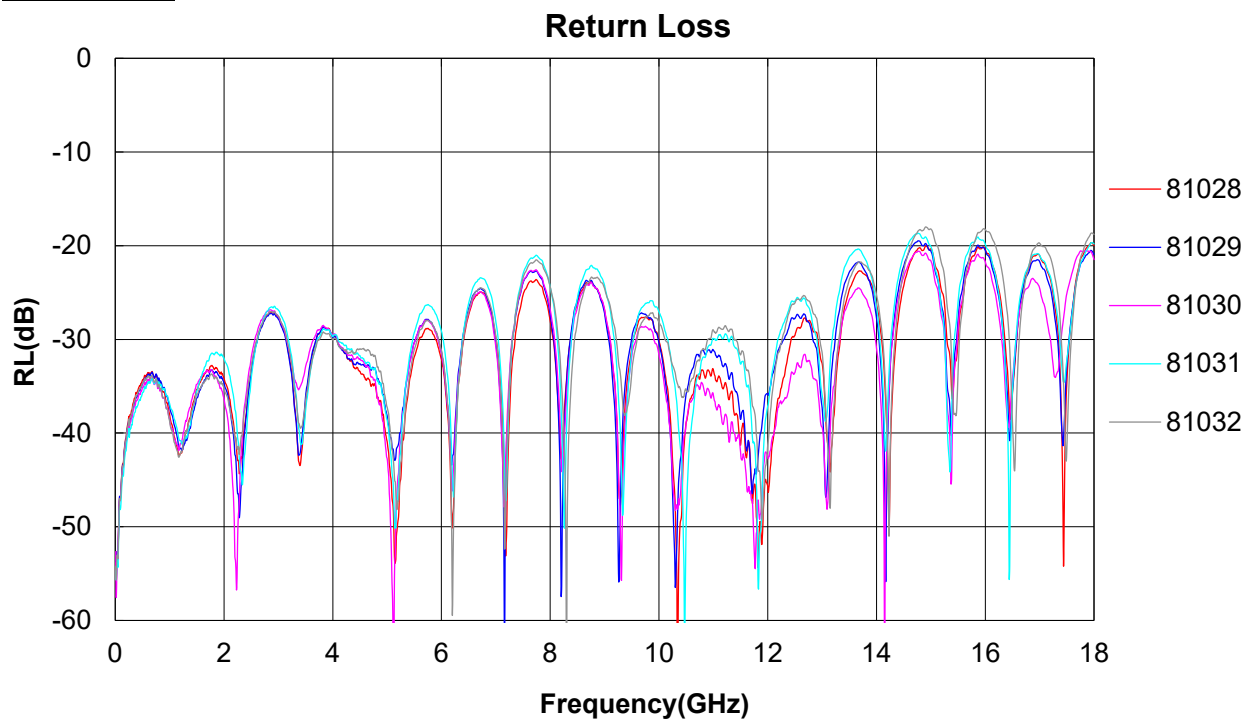
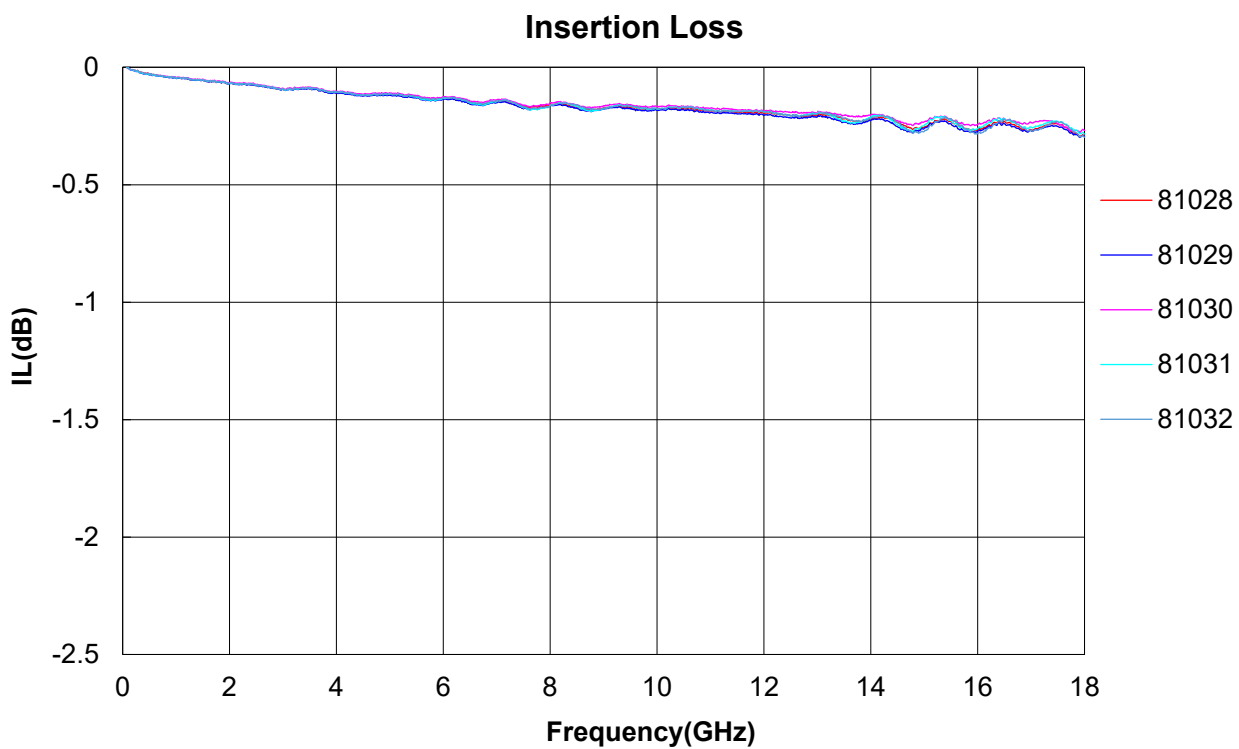
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly, SMA End Options

Results: RF280-01SP-01SP-0152

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
81028	1.23 @ 17.95 GHz	-19.68 @ 17.95 GHz	-0.30 dB @ 17.91 GHz
81029	1.24 @ 14.77 GHz	-19.48 @ 14.77 GHz	-0.30 dB @ 17.91 GHz
81030	1.21 @ 17.85 GHz	-20.51 @ 17.85 GHz	-0.28 dB @ 17.91 GHz
81031	1.26 @ 14.76 GHz	-18.67 @ 14.76 GHz	-0.28 dB @ 18.00 GHz
81032	1.29 @ 14.91 GHz	-18.00 @ 14.91 GHz	-0.30 dB @ 18.00 GHz

VSWR



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

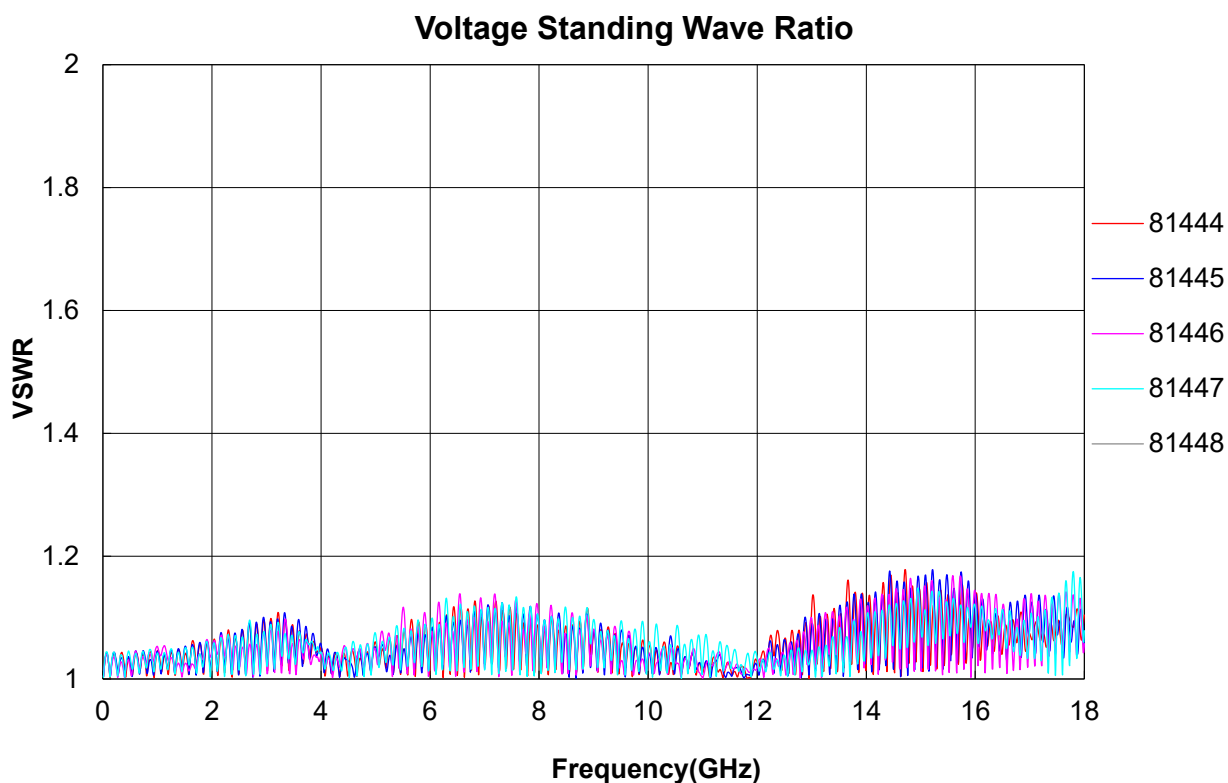
Series: RF280

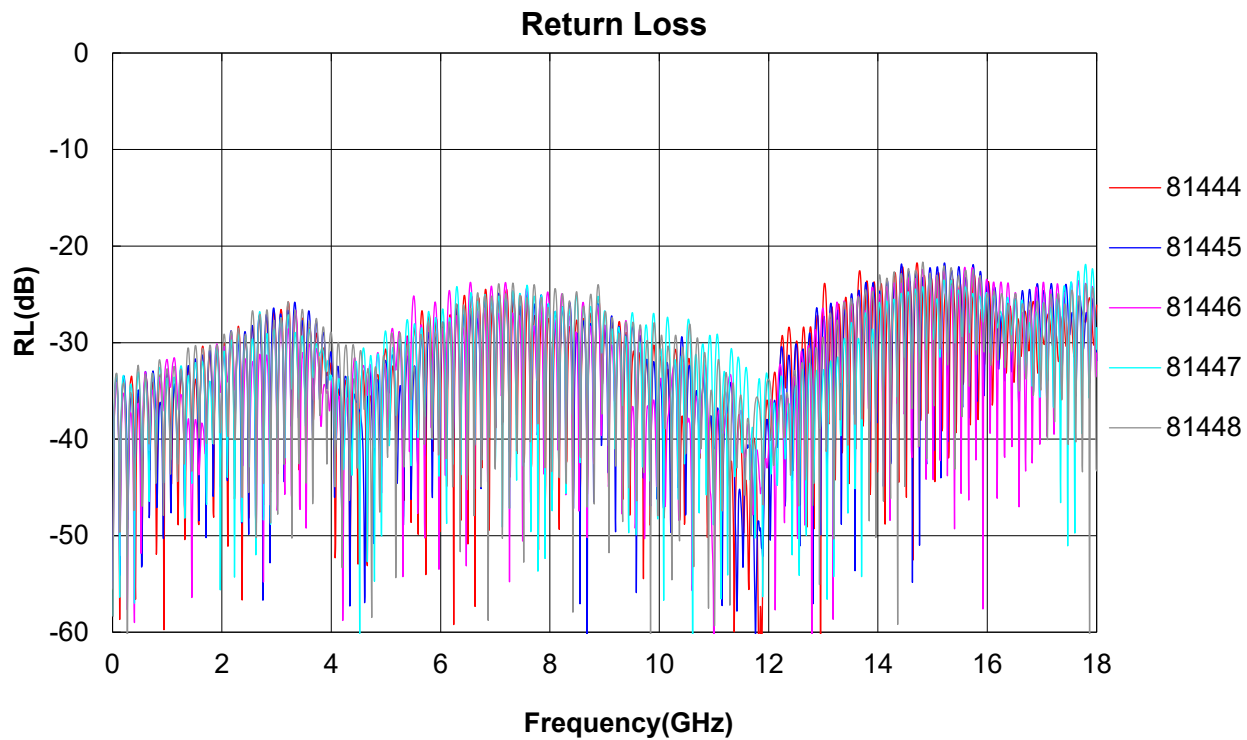
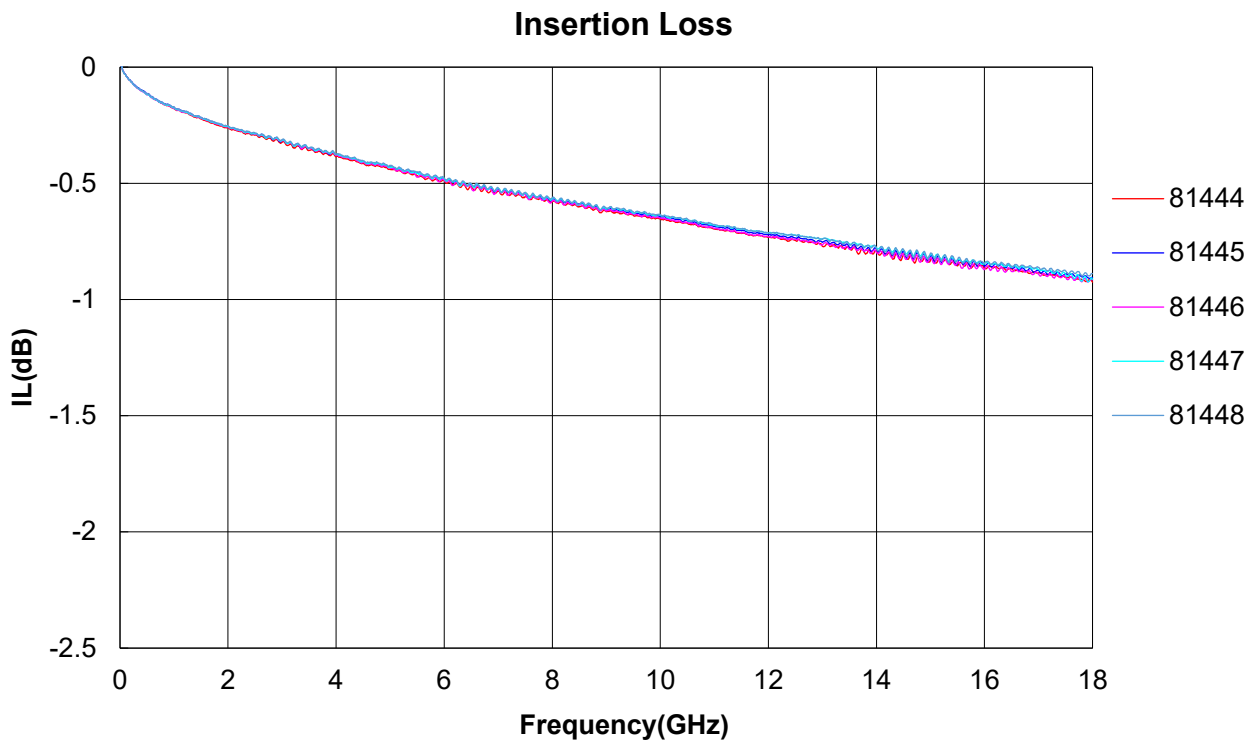
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly, SMA End Options

Results: RF280-01SP-01SP-1000

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
81444	1.18 @ 14.71 GHz	-21.75 @ 14.71 GHz	-0.93 dB @ 18.00 GHz
81445	1.18 @ 15.22 GHz	-21.75 @ 15.22 GHz	-0.91 dB @ 17.96 GHz
81446	1.17 @ 15.59 GHz	-22.20 @ 15.59 GHz	-0.92 dB @ 17.91 GHz
81447	1.17 @ 17.80 GHz	-21.90 @ 17.80 GHz	-0.92 dB @ 17.92 GHz
81448	1.18 @ 14.82 GHz	-21.65 @ 14.82 GHz	-0.90 dB @ 17.80 GHz

VSWR



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

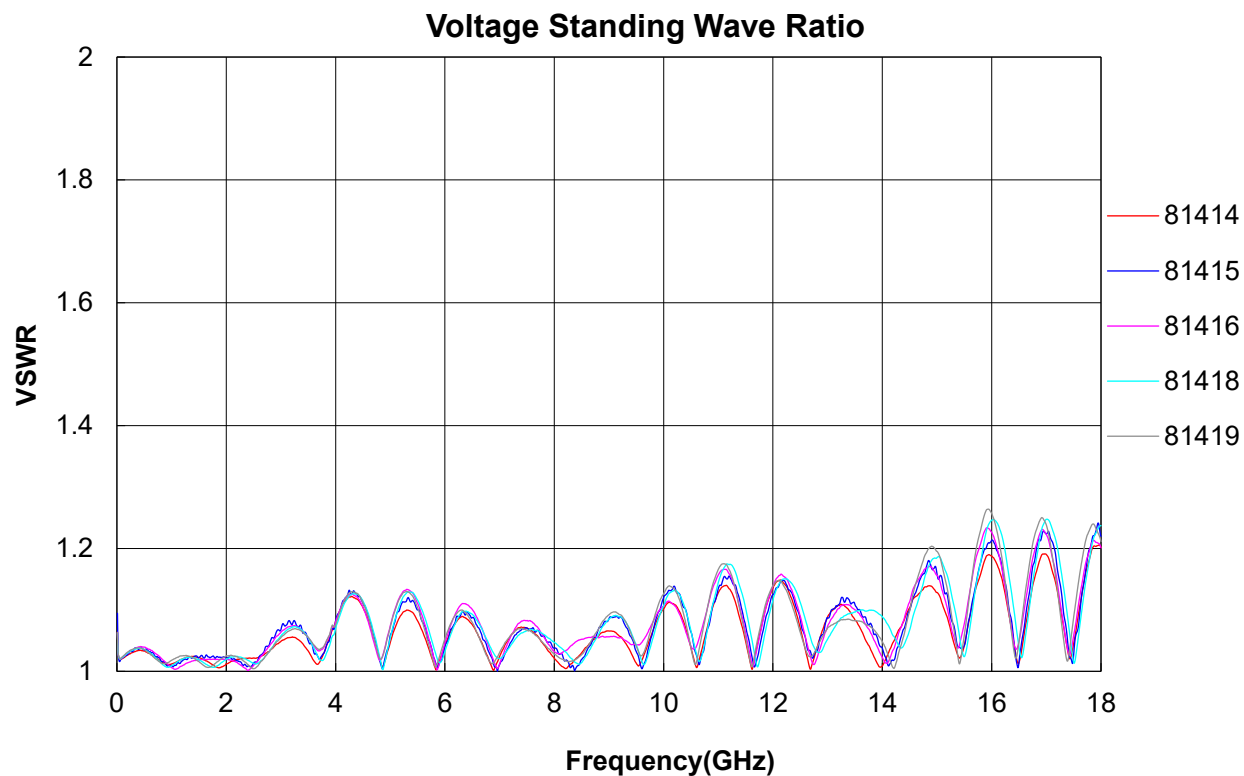
Series: RF280

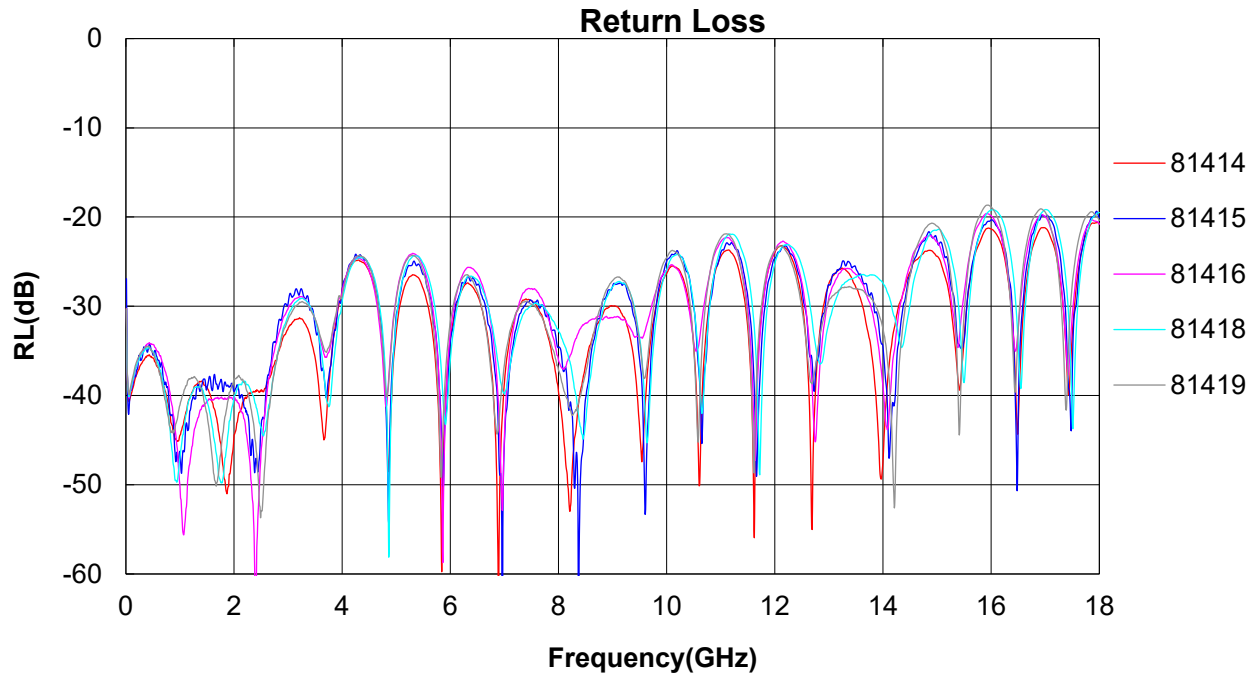
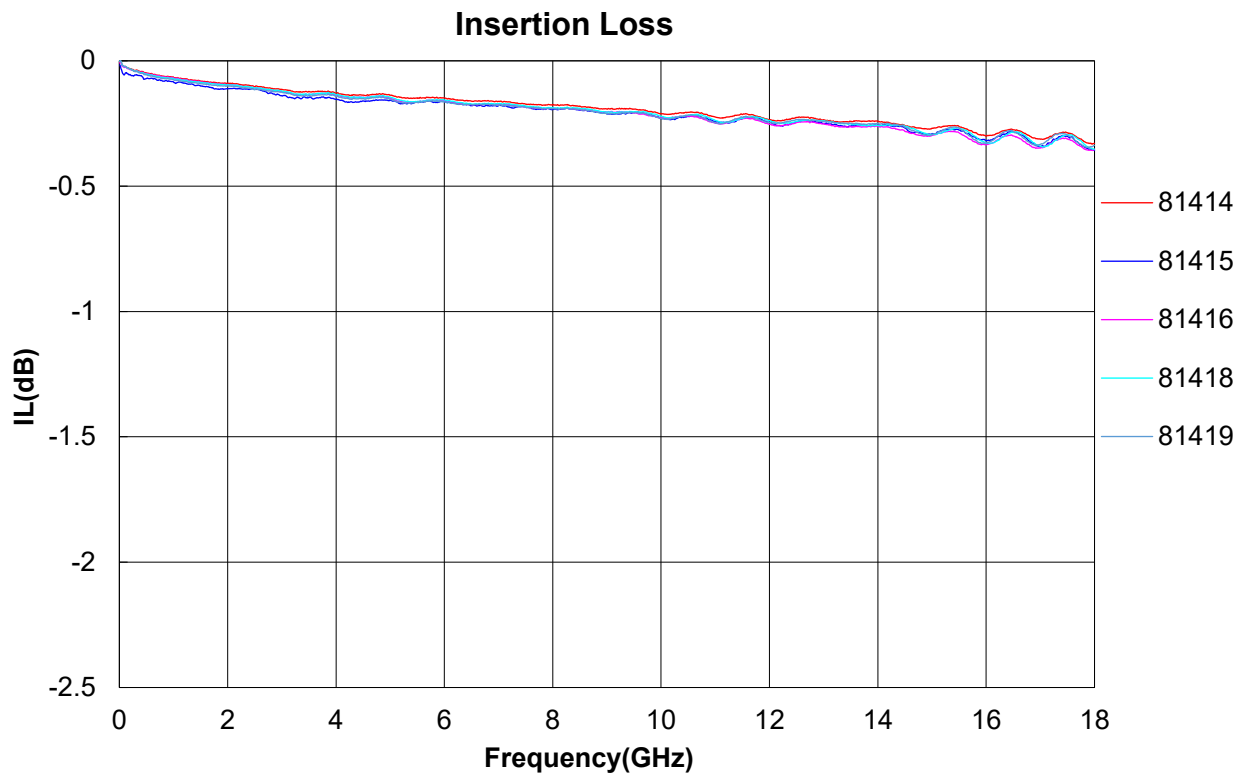
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly, SMA End Options

Results: RF280-01BJ-01BJ-0152

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
81414	1.21 @ 17.96 GHz	-20.61 @ 17.96 GHz	-0.33 dB @ 17.96 GHz
81415	1.24 @ 17.95 GHz	-19.35 @ 17.95 GHz	-0.36 dB @ 17.99 GHz
81416	1.23 @ 15.91 GHz	-19.61 @ 15.91 GHz	-0.36 dB @ 17.96 GHz
81418	1.25 @ 17.01 GHz	-19.16 @ 17.01 GHz	-0.35 dB @ 17.97 GHz
81419	1.26 @ 15.94 GHz	-18.66 @ 15.94 GHz	-0.35 dB @ 17.90 GHz

VSWR



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

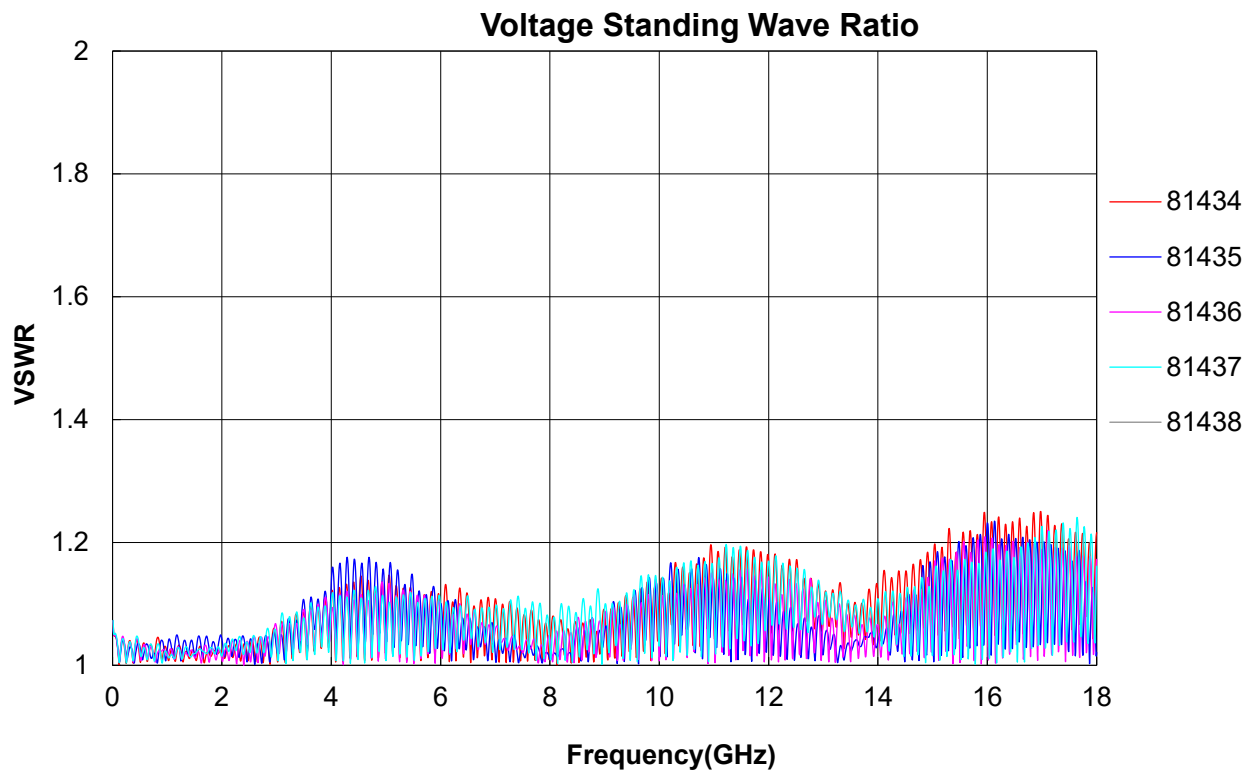
Series: RF280

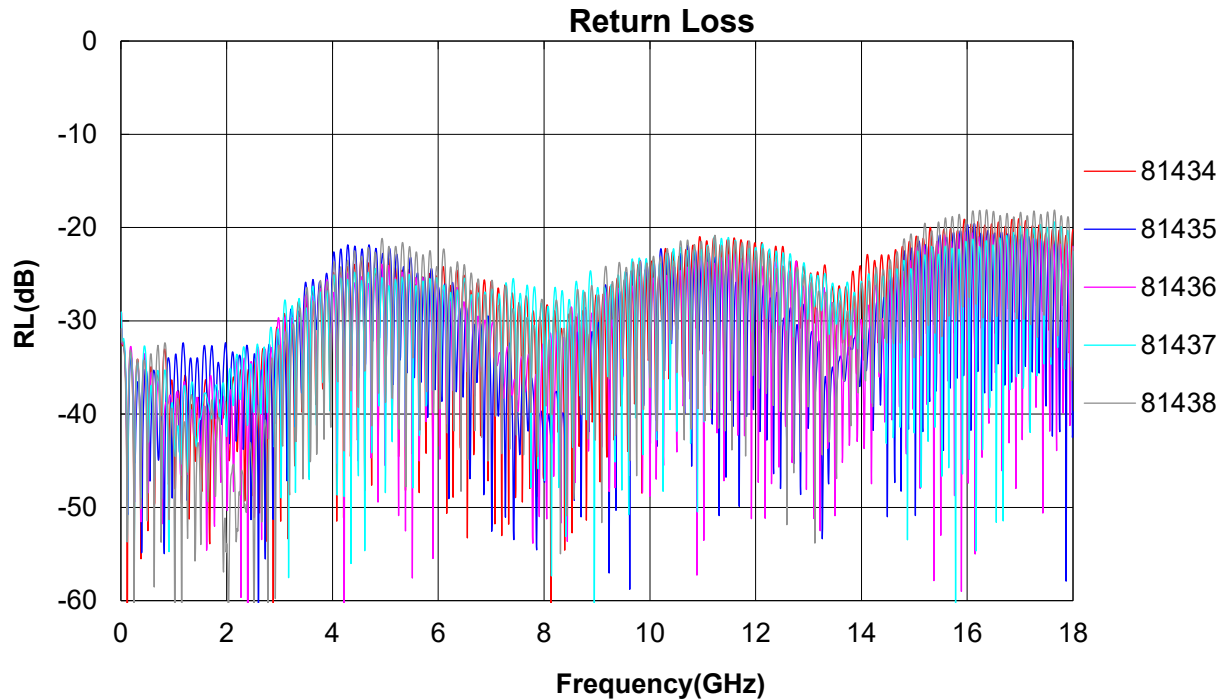
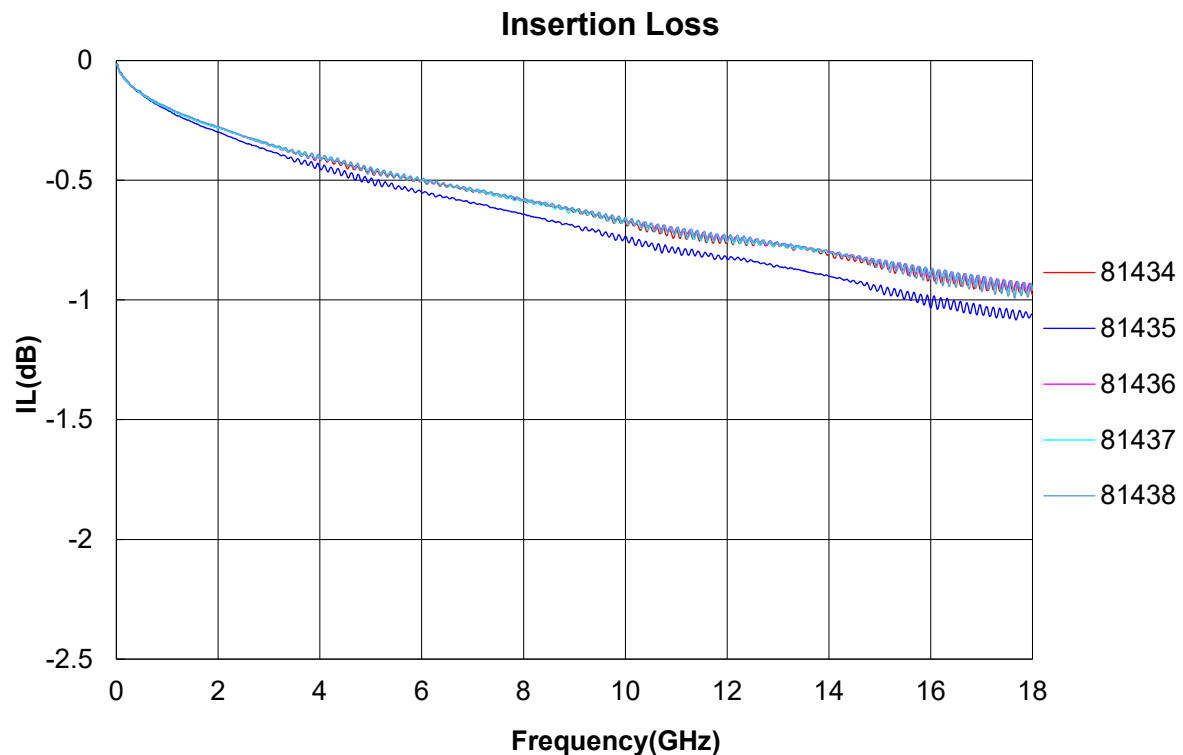
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly, SMA End Options

Results: RF280-01BJ-01BJ-1000

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
81434	1.25 @ 16.98 GHz	-19.08 @ 16.98 GHz	-0.98 dB @ 18.00 GHz
81435	1.23 @ 16.13 GHz	-19.57 @ 16.13 GHz	-1.08 dB @ 17.68 GHz
81436	1.22 @ 17.11 GHz	-20.09 @ 17.11 GHz	-0.96 dB @ 17.88 GHz
81437	1.24 @ 17.64 GHz	-19.37 @ 17.64 GHz	-0.98 dB @ 17.64 GHz
81438	1.28 @ 16.31 GHz	-18.10 @ 16.31 GHz	-0.99 dB @ 17.65 GHz

VSWR



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

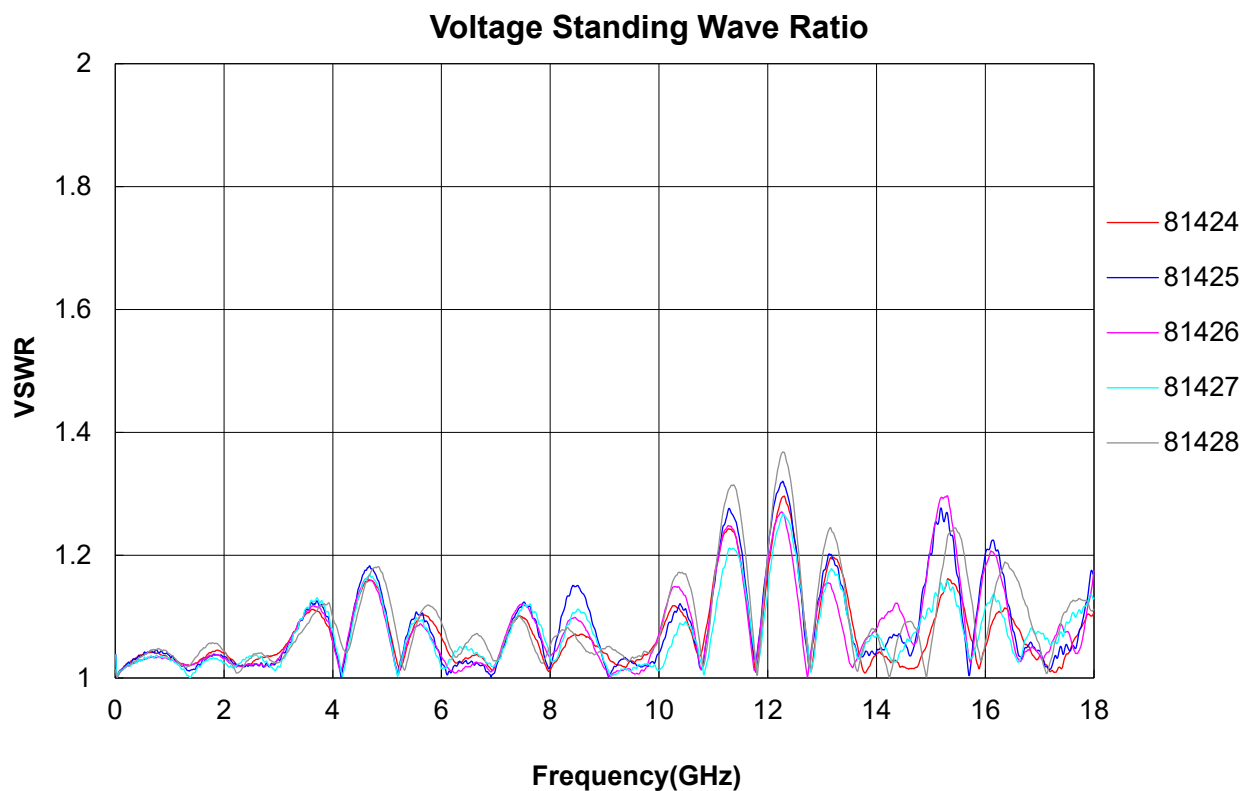
Series: RF280

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

Results: RF280-01RP-01RP-0152

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
81424	1.30 @ 12.30 GHz	-17.78 @ 12.30 GHz	-0.44 dB @ 18.00 GHz
81425	1.32 @ 12.27 GHz	-17.20 @ 12.27 GHz	-0.42 dB @ 18.00 GHz
81426	1.30 @ 15.30 GHz	-17.77 @ 15.30 GHz	-0.45 dB @ 15.26 GHz
81427	1.27 @ 12.28 GHz	-18.57 @ 12.28 GHz	-0.56 dB @ 18.00 GHz
81428	1.37 @ 12.28 GHz	-16.18 @ 12.28 GHz	-0.45 dB @ 12.30 GHz

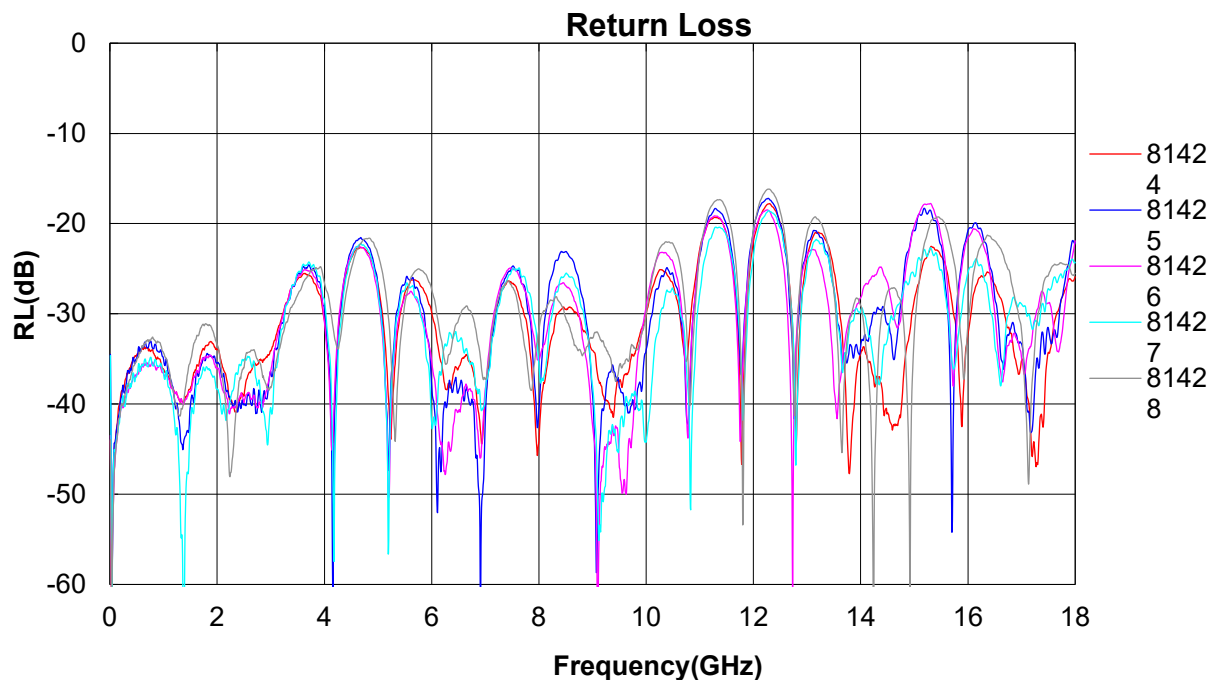
VSWR



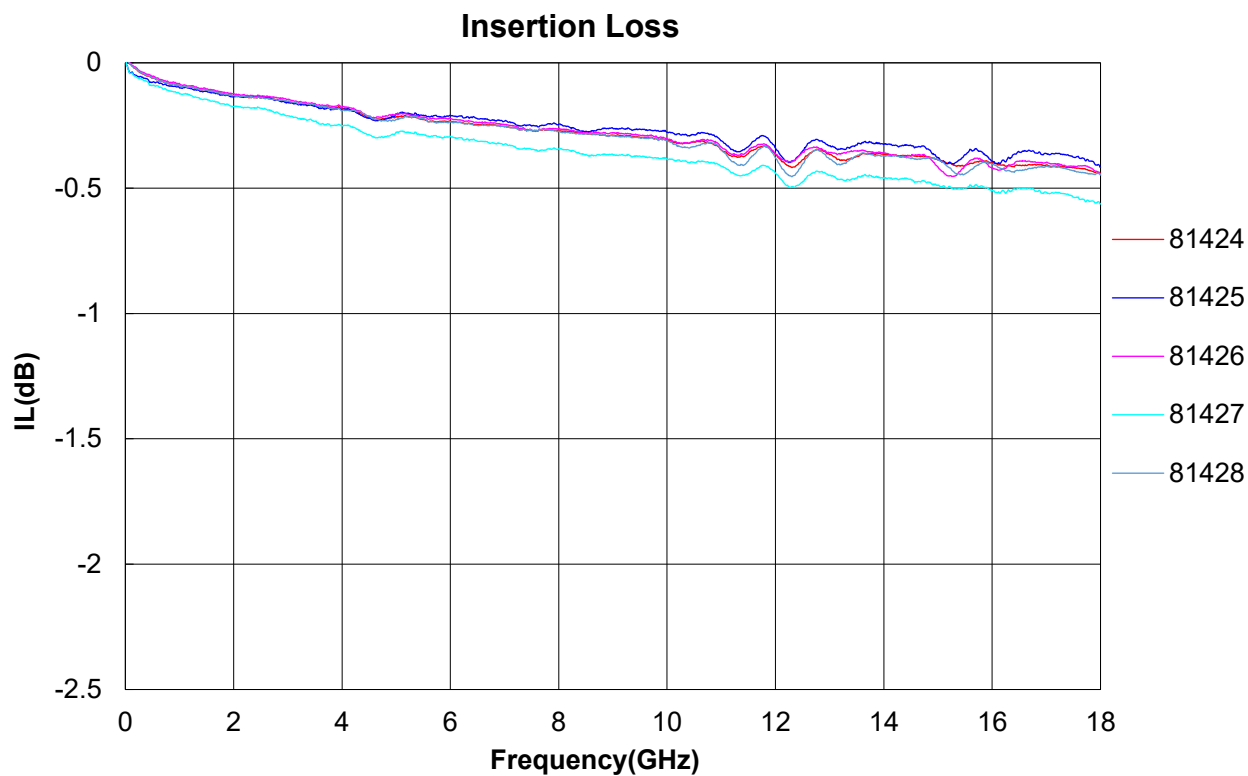
Series: RF280

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

Return Loss



Insertion Loss



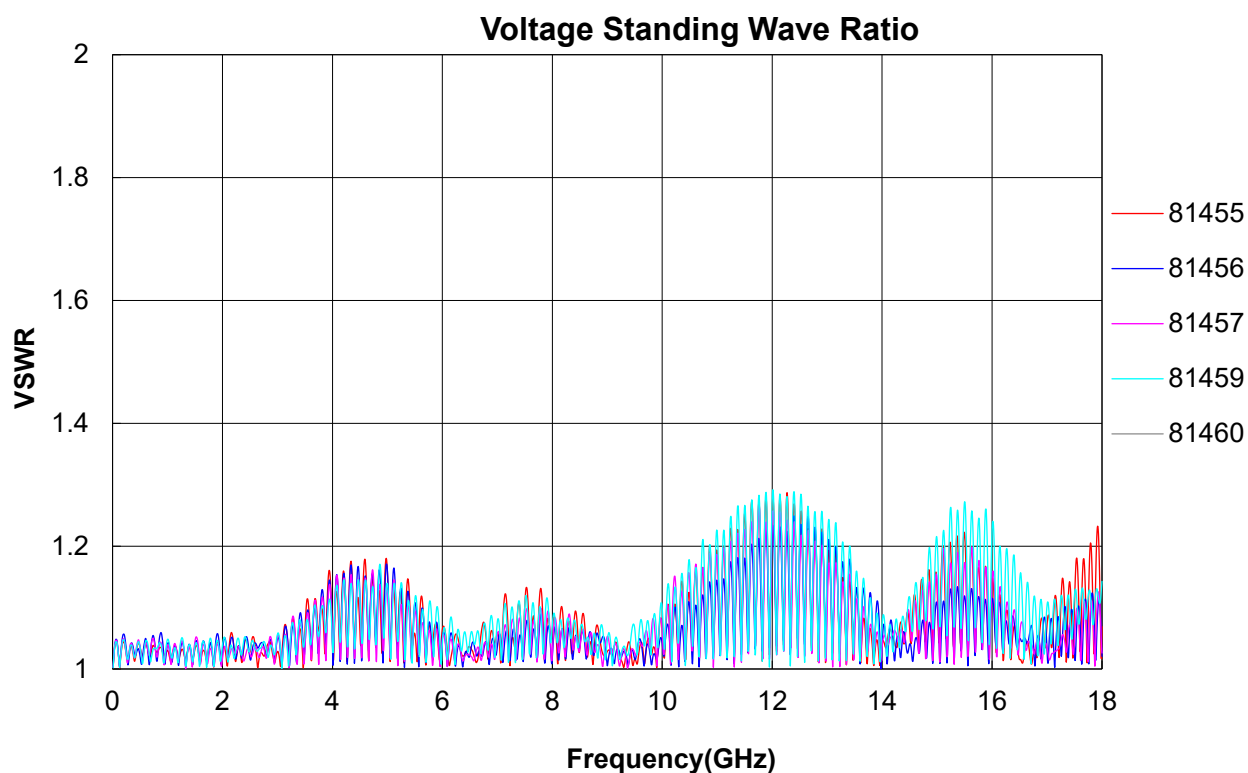
Series: RF280

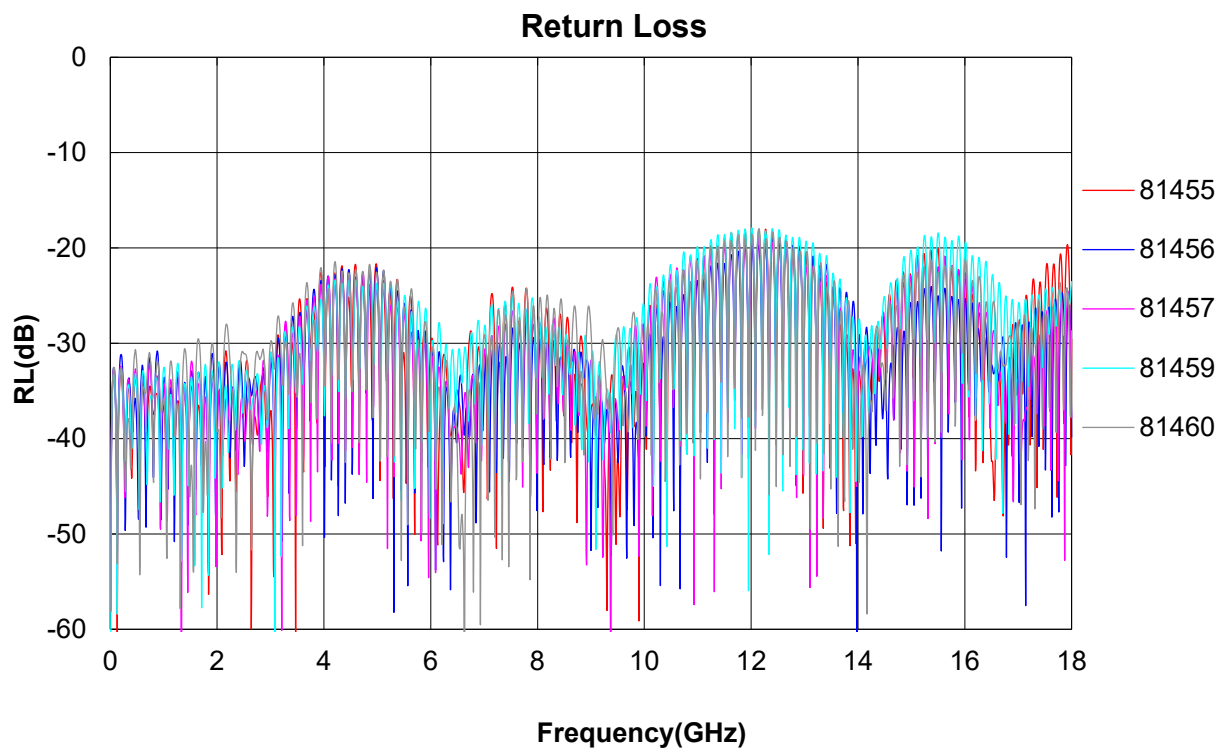
Description: 50 Ohm, .277 low-loss flexible RF Microwave Cable Assembly, SMA End Options

Results: RF280-01RP-01RP-1000

Description: RF280 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
81455	1.29 @ 12.27 GHz	-18.03 @ 12.27 GHz	-1.12 dB @ 17.92 GHz
81456	1.25 @ 12.40 GHz	-19.11 @ 12.40 GHz	-1.09 dB @ 17.96 GHz
81457	1.27 @ 11.76 GHz	-18.60 @ 11.76 GHz	-1.08 dB @ 17.94 GHz
81459	1.29 @ 12.01 GHz	-17.90 @ 12.01 GHz	-1.08 dB @ 18.00 GHz
81460	1.29 @ 12.15 GHz	-17.97 @ 12.15 GHz	-1.11 dB @ 17.91 GHz

VSWR



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