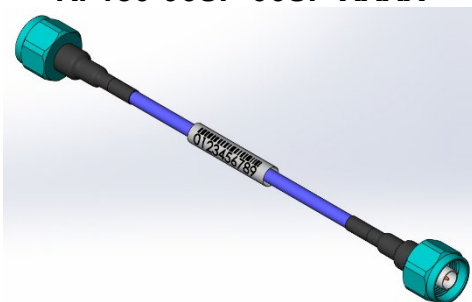


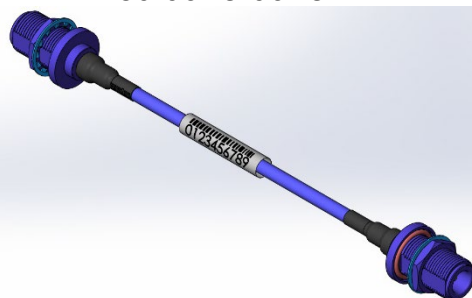


RF Characterization Report

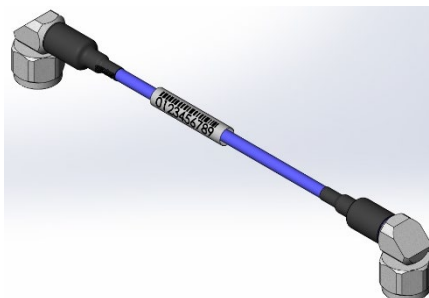
RF180-06SP-06SP-XXXX



RF180-06BJ-06BJ-XXXX



RF180-06RP-06RP-XXXX



Test Date: Dec 2021

Description:
50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly,
NTPE End Options

Series: RF180**Description:** 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options

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Series: RF180

Description: 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options

Test Setup Information

Scope:

Provide standing wave ratio, return loss and insertion loss performance parameters for RF180 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 Maury MCAL 8850CK51 kit.

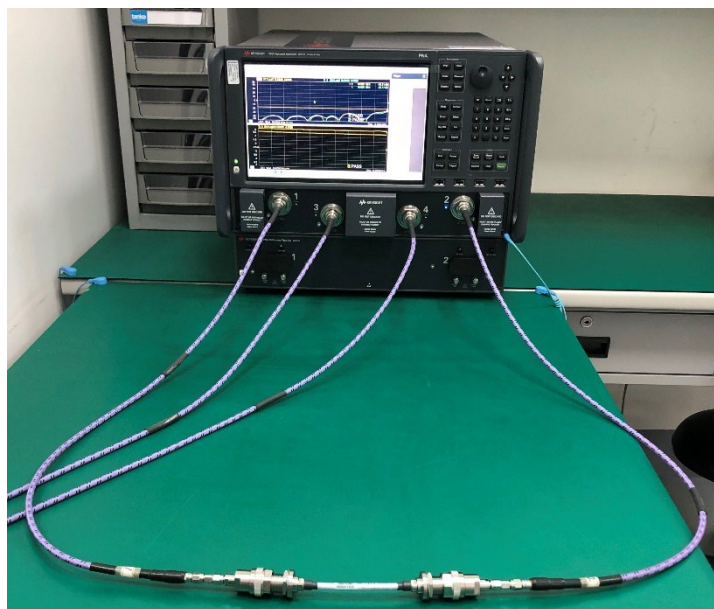
Calibration Kit	Maury MCAL 8850CK51
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Adapter Use:

3.5 mm female to N type female (Maury 8023A1) and 3.5 mm female to N type male (Maury 8023B1) adapters were used for the measurements of RF180-06SP-06SP-XXXX, RF180-06BJ-06BJ-XXXX and RF180-06RP-06RP-XXXX. The adapter effects were removed by calibration, so no adapter effects included in the results.

Series: RF180**Description:** 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options**RF180-06XX-06XX-XXXX Test Definition**

Part Number	End 1	End 2
RF180-06SP-06SP-XXXX	N Type Straight Plug	N Type Straight Plug
RF180-06BJ-06BJ-XXXX	N Type Straight Bulkhead Jack	N Type Straight Bulkhead Jack
RF180-06RP-06RP-XXXX	N Type Right-angle Plug	N Type Right-angle Plug

Cable Under Test:

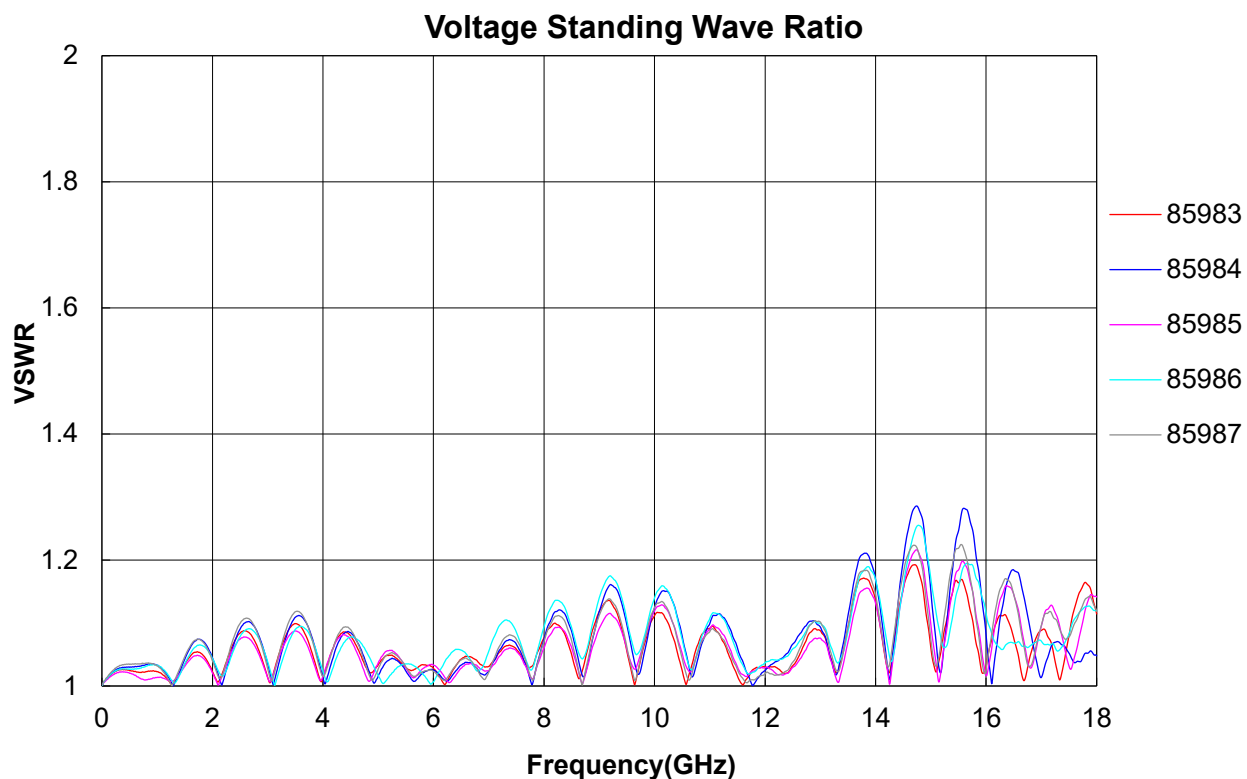
Series: RF180

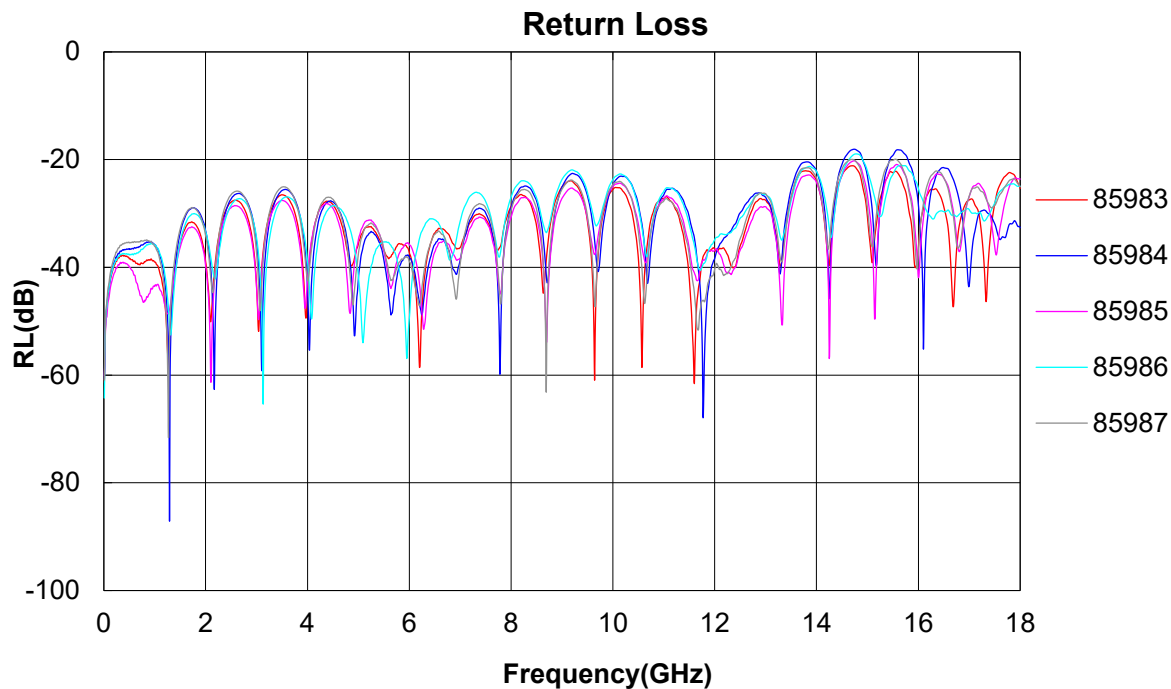
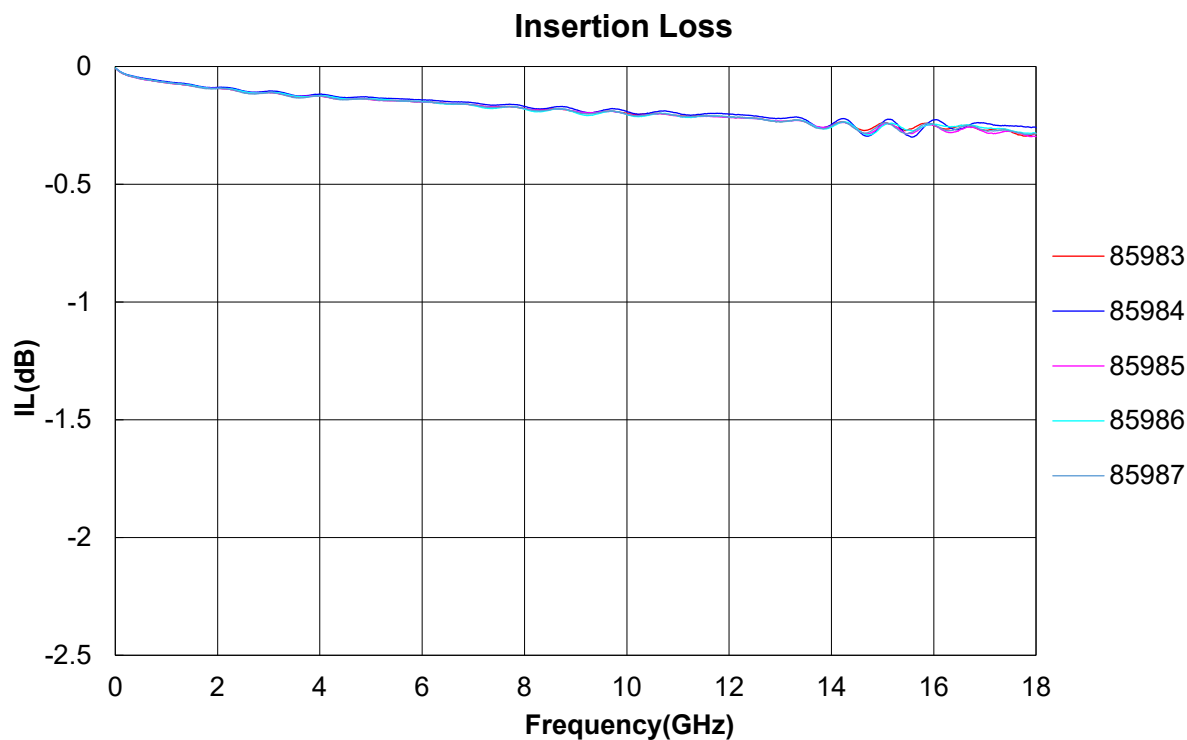
Description: 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options

Results: RF180-06SP-06SP-0152

Description: RF180 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
85983	1.19 @ 14.71 GHz	-21.13 @ 14.71 GHz	-0.30 dB @ 17.79 GHz
85984	1.29 @ 14.74 GHz	-18.07 @ 14.74 GHz	-0.30 dB @ 15.58 GHz
85985	1.22 @ 14.74 GHz	-20.22 @ 14.74 GHz	-0.30 dB @ 17.92 GHz
85986	1.25 @ 14.77 GHz	-18.93 @ 14.77 GHz	-0.29 dB @ 14.74 GHz
85987	1.22 @ 15.55 GHz	-19.92 @ 15.55 GHz	-0.29 dB @ 17.86 GHz

VSWR



Series: RF180**Description:** 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options**Return Loss****Insertion Loss**

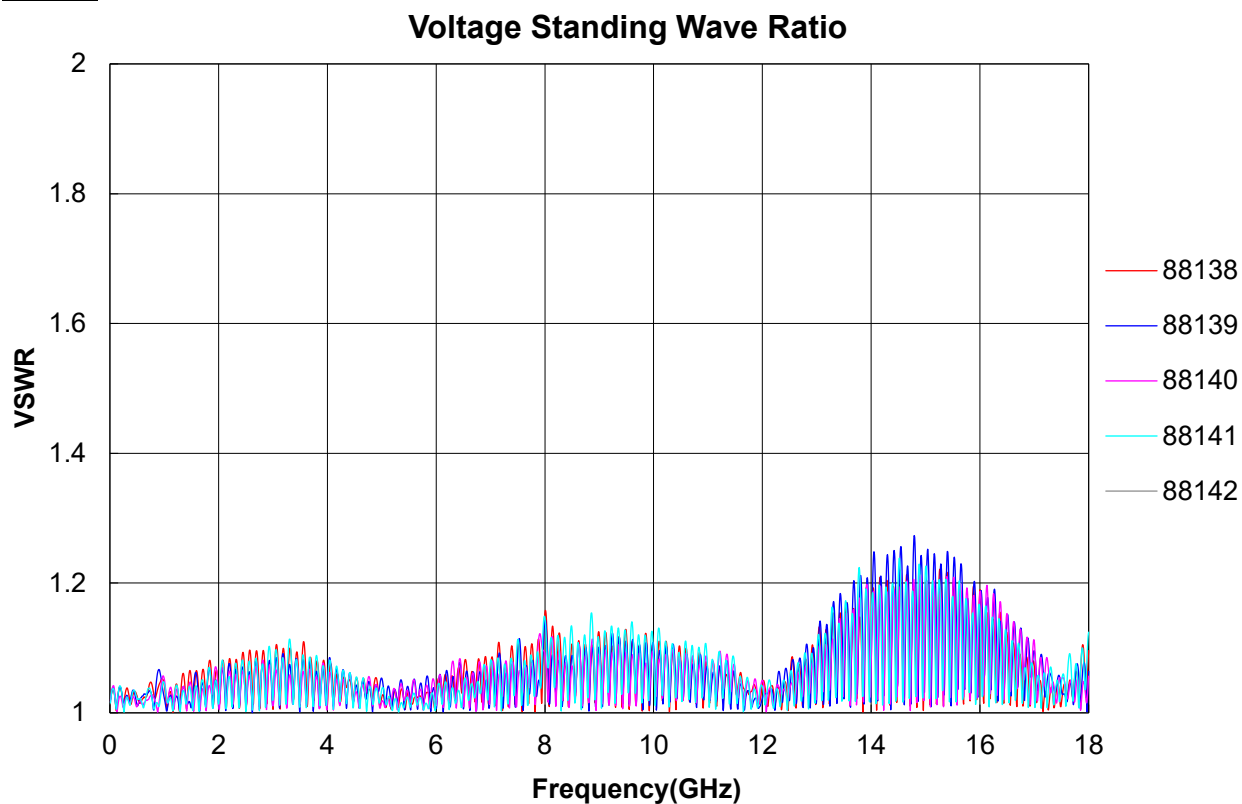
Series: RF180

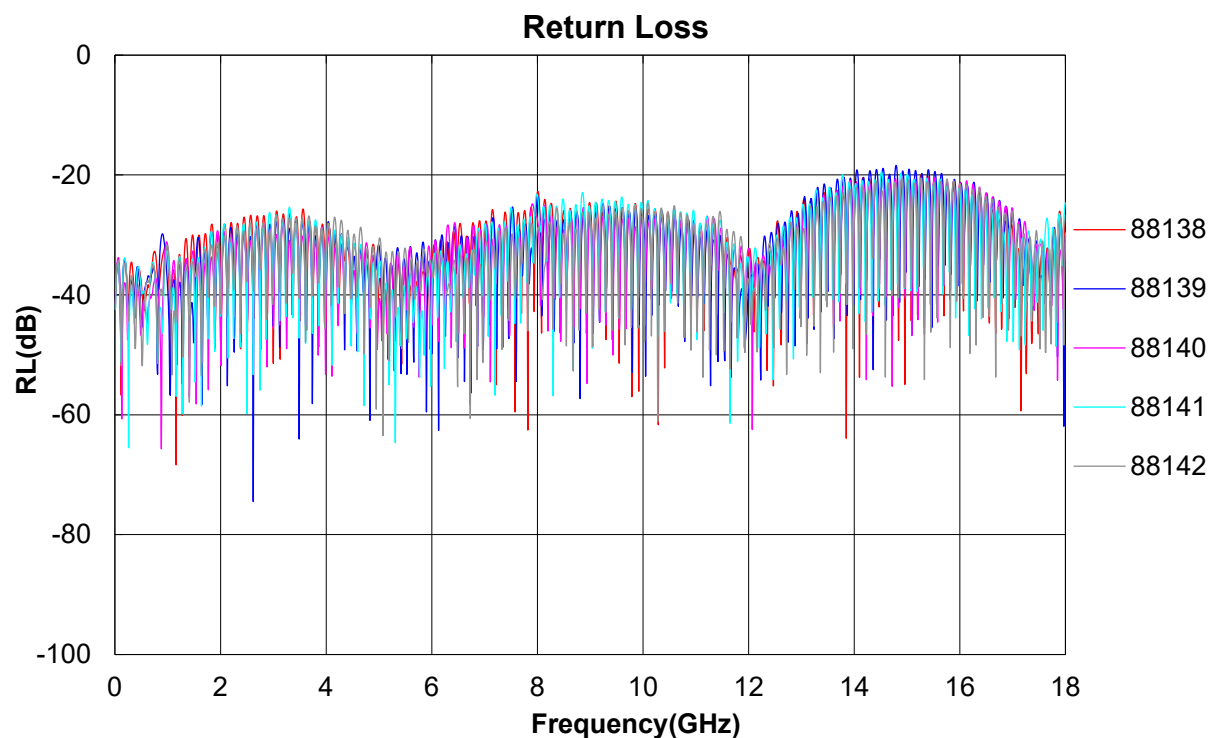
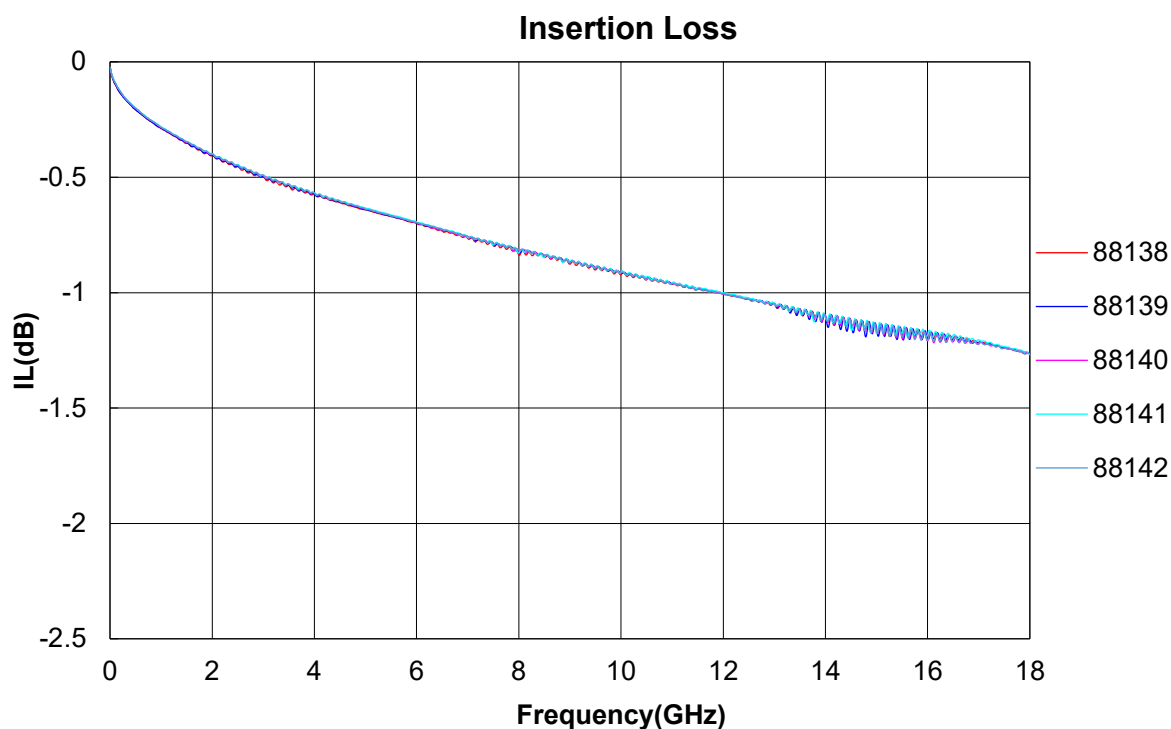
Description: 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options

Results: RF180-06SP-06SP-1000

Description: RF180 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
88138	1.22 @ 15.26 GHz	-20.03 @ 15.26 GHz	-1.27 dB @ 18.00 GHz
88139	1.27 @ 14.79 GHz	-18.40 @ 14.79 GHz	-1.26 dB @ 18.00 GHz
88140	1.21 @ 14.90 GHz	-20.37 @ 14.90 GHz	-1.27 dB @ 18.00 GHz
88141	1.24 @ 14.52 GHz	-19.45 @ 14.52 GHz	-1.27 dB @ 18.00 GHz
88142	1.21 @ 15.27 GHz	-20.51 @ 15.27 GHz	-1.27 dB @ 18.00 GHz

VSWR



Series: RF180**Description:** 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End OptionsReturn LossInsertion Loss

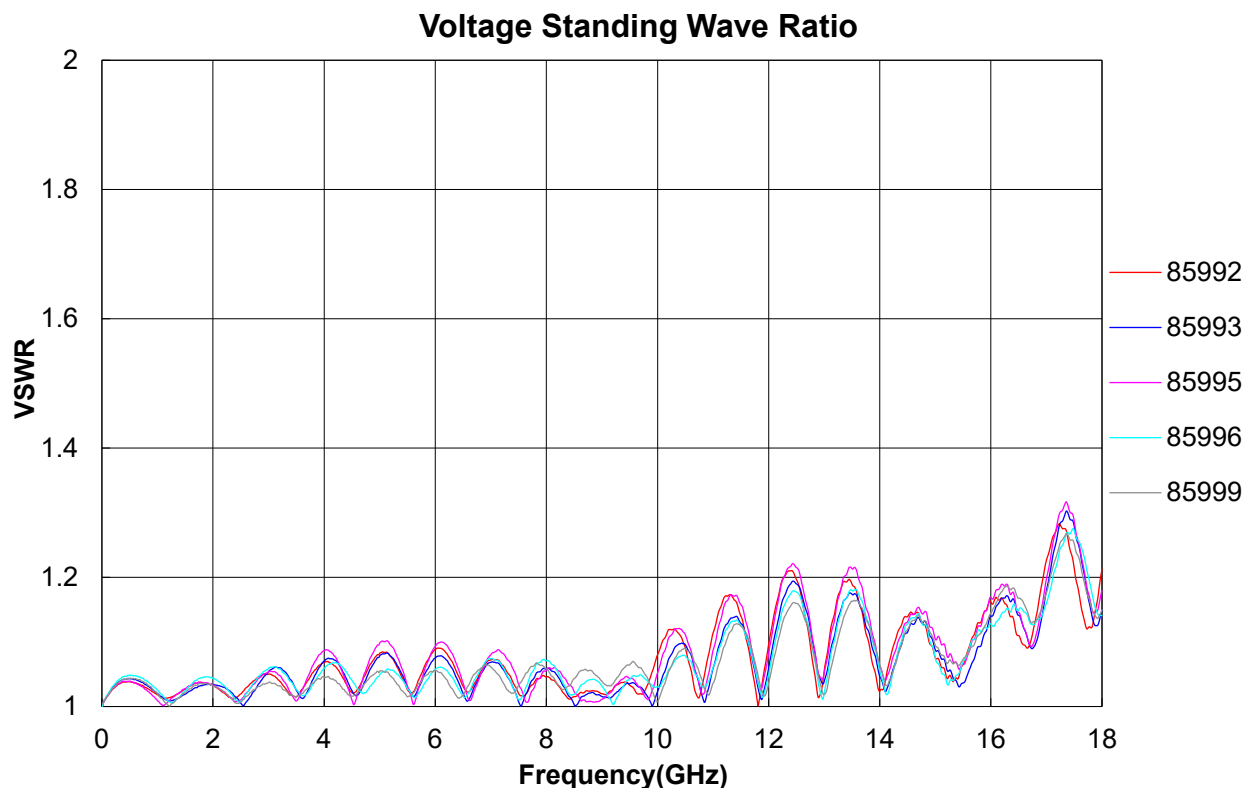
Series: RF180

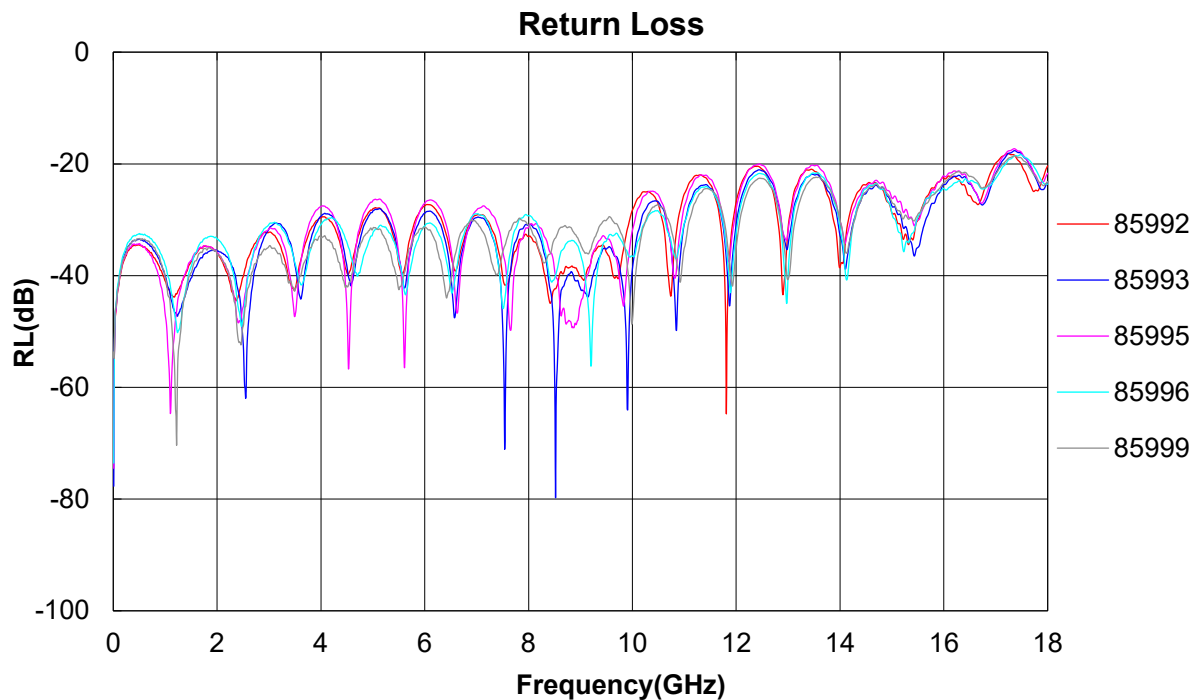
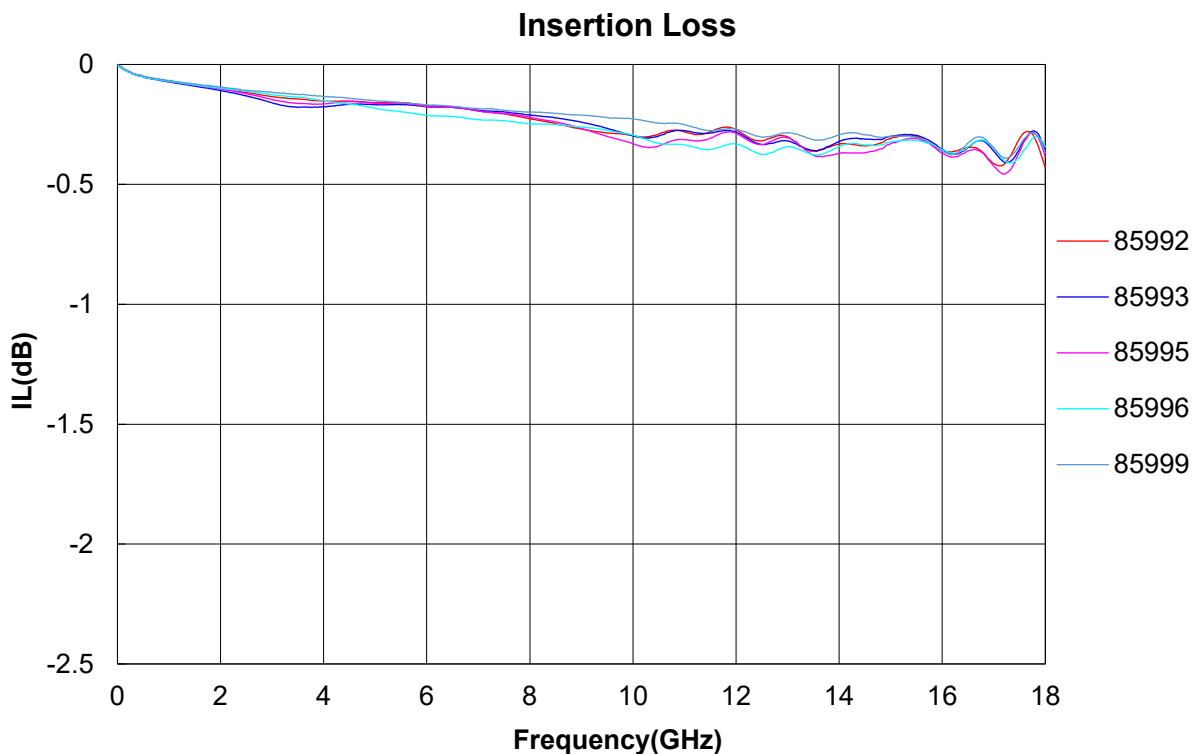
Description: 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options

Results: RF180-06BJ-06BJ-0152

Description: RF180 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
85992	1.28 @ 17.23 GHz	-18.15 @ 17.23 GHz	-0.43 dB @ 18.00 GHz
85993	1.30 @ 17.36 GHz	-17.63 @ 17.36 GHz	-0.41 dB @ 17.23 GHz
85995	1.32 @ 17.36 GHz	-17.29 @ 17.36 GHz	-0.46 dB @ 17.19 GHz
85996	1.28 @ 17.48 GHz	-18.35 @ 17.48 GHz	-0.41 dB @ 17.31 GHz
85999	1.27 @ 17.36 GHz	-18.56 @ 17.36 GHz	-0.39 dB @ 17.26 GHz

VSWR



Series: RF180**Description:** 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options**Return Loss****Insertion Loss**

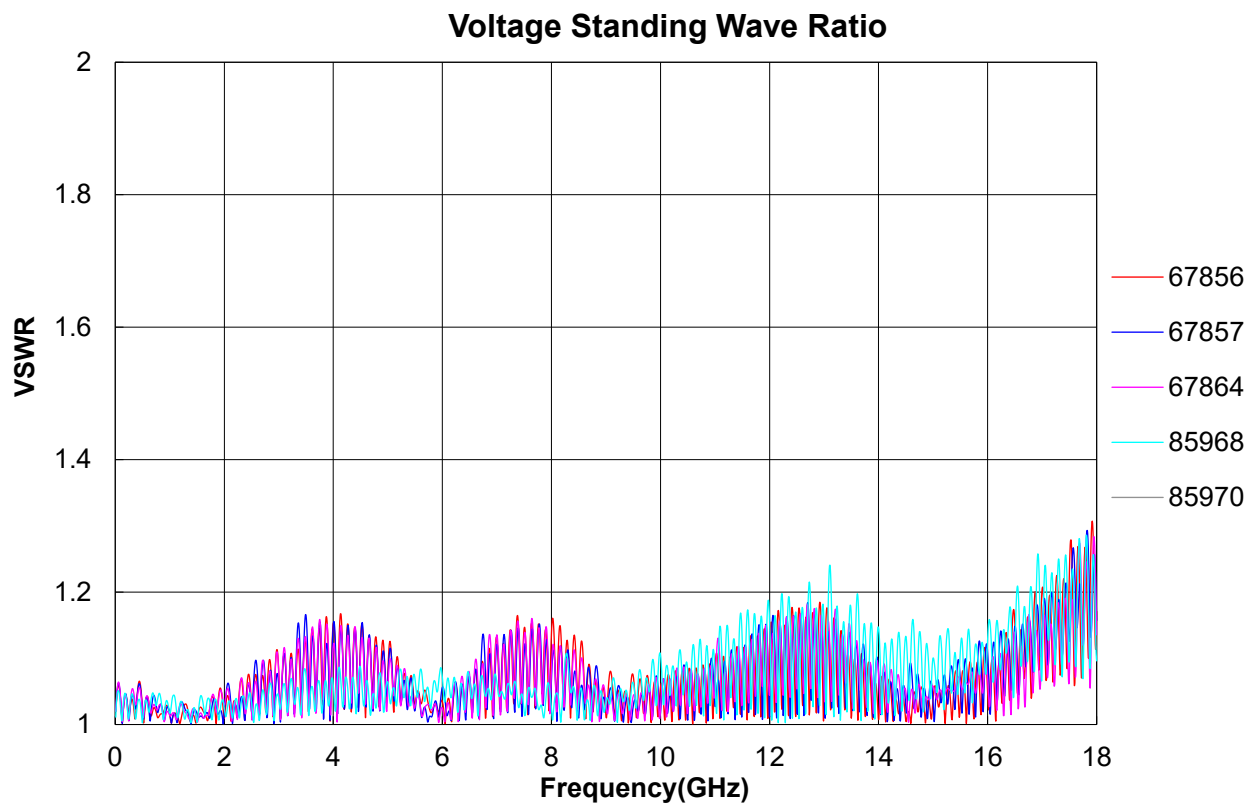
Series: RF180

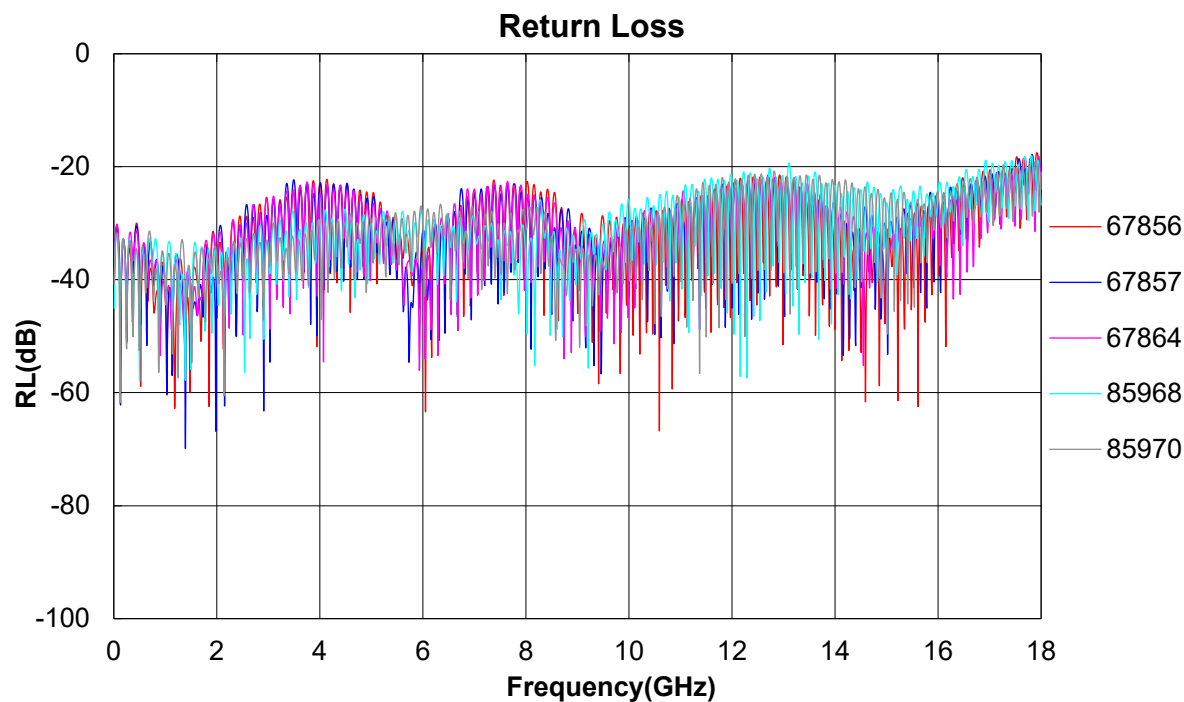
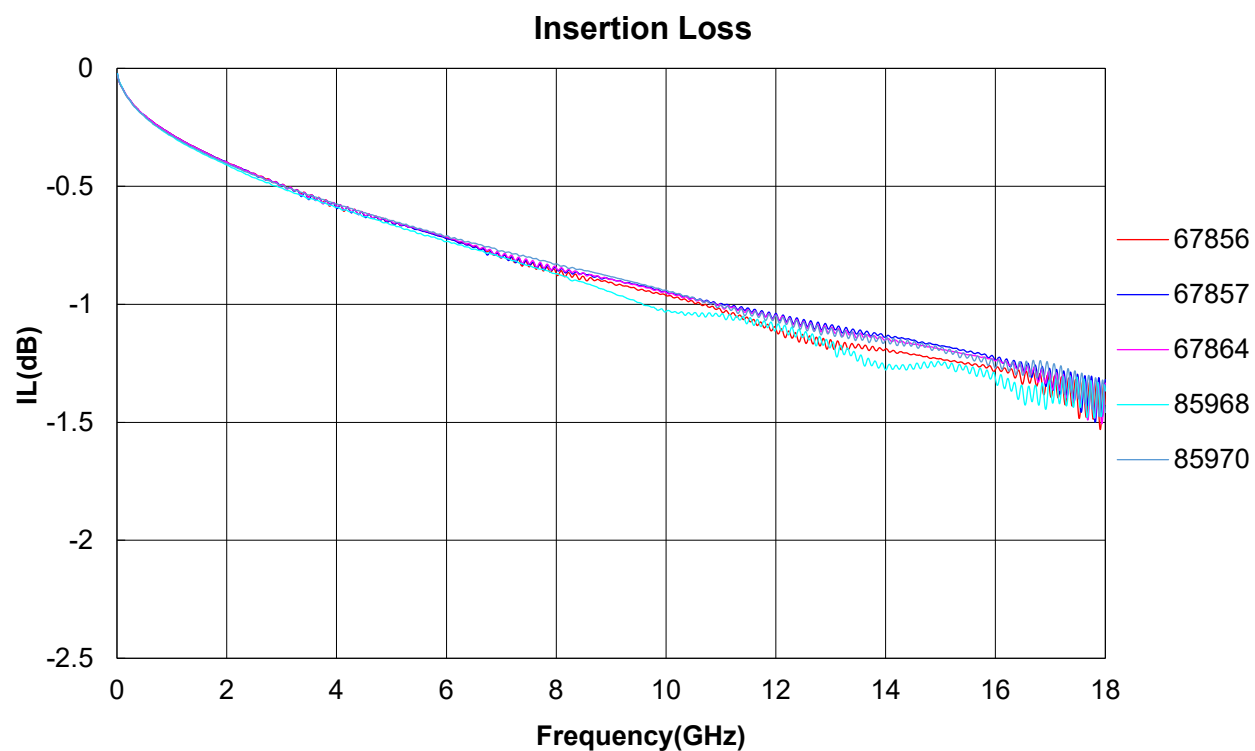
Description: 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options

Results: RF180-06BJ-06BJ-1000

Description: RF180 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
67856	1.31 @ 17.92 GHz	-17.52 @ 17.92 GHz	-1.53 dB @ 17.91 GHz
67857	1.29 @ 17.82 GHz	-17.88 @ 17.82 GHz	-1.50 dB @ 17.82 GHz
67864	1.28 @ 17.95 GHz	-18.12 @ 17.95 GHz	-1.51 dB @ 17.94 GHz
85968	1.29 @ 17.81 GHz	-18.05 @ 17.81 GHz	-1.48 dB @ 17.80 GHz
85970	1.26 @ 17.90 GHz	-18.83 @ 17.90 GHz	-1.47 dB @ 17.89 GHz

VSWR



Series: RF180**Description:** 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End OptionsReturn LossInsertion Loss

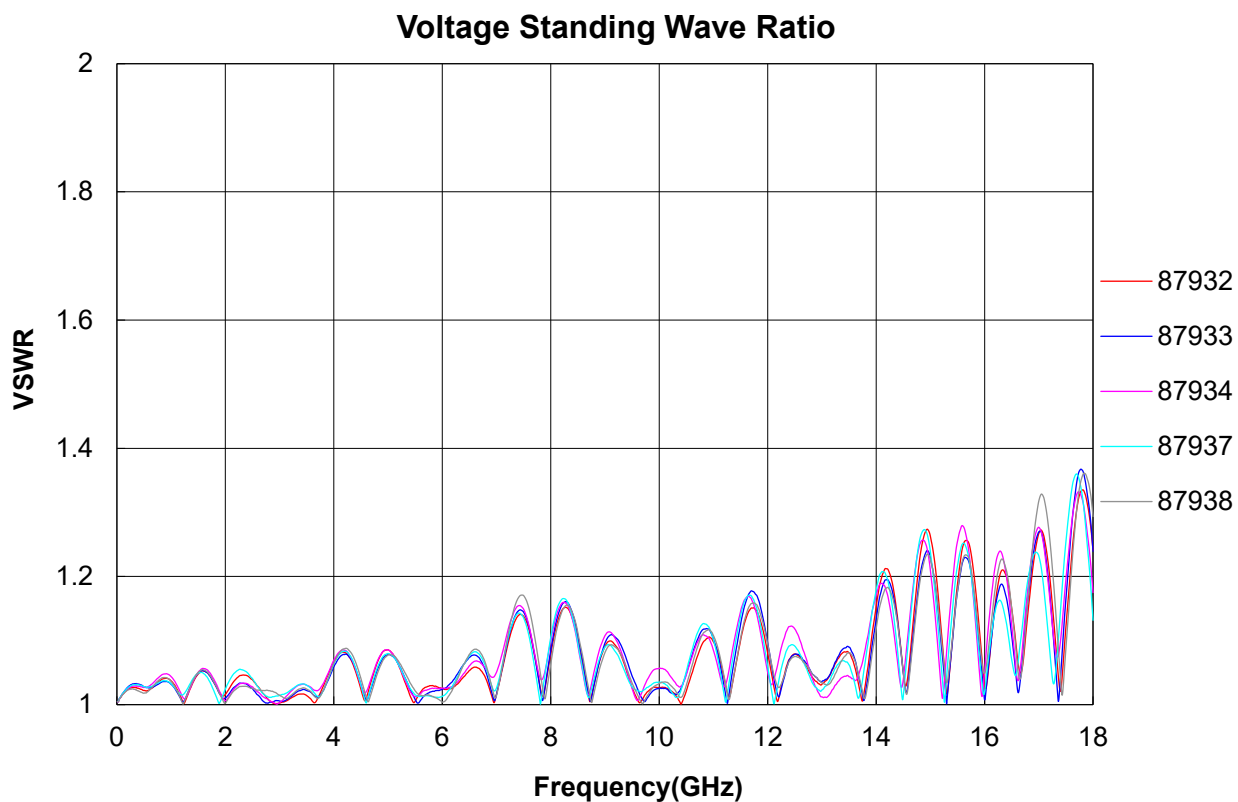
Series: RF180

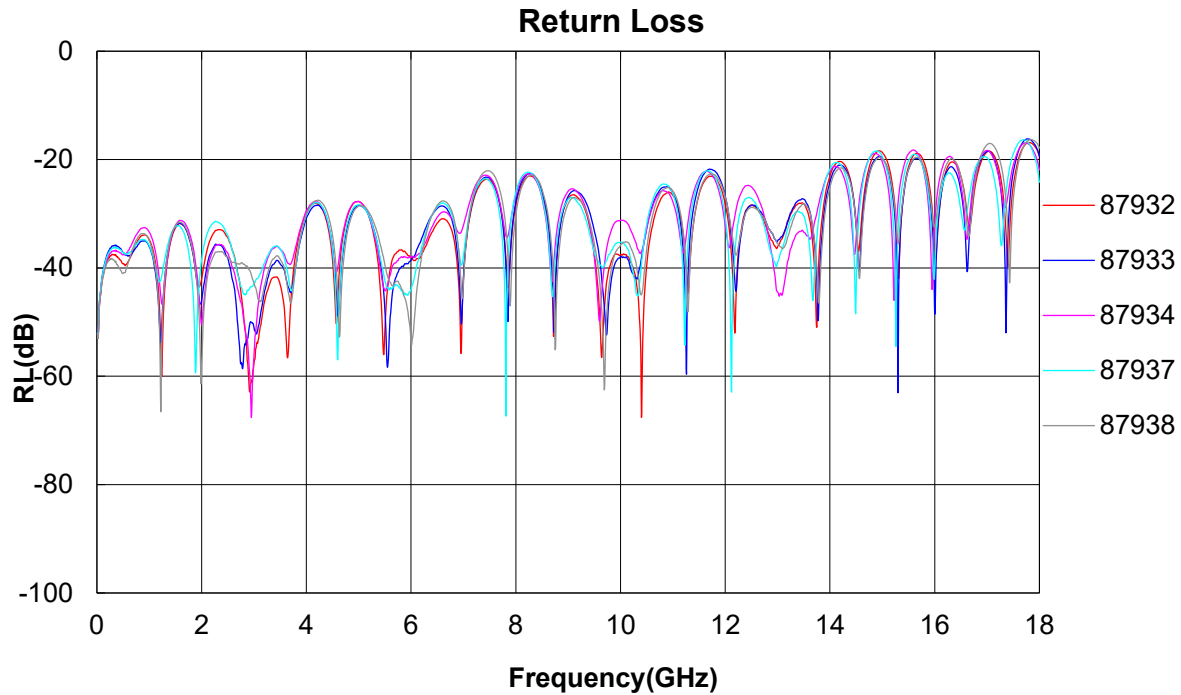
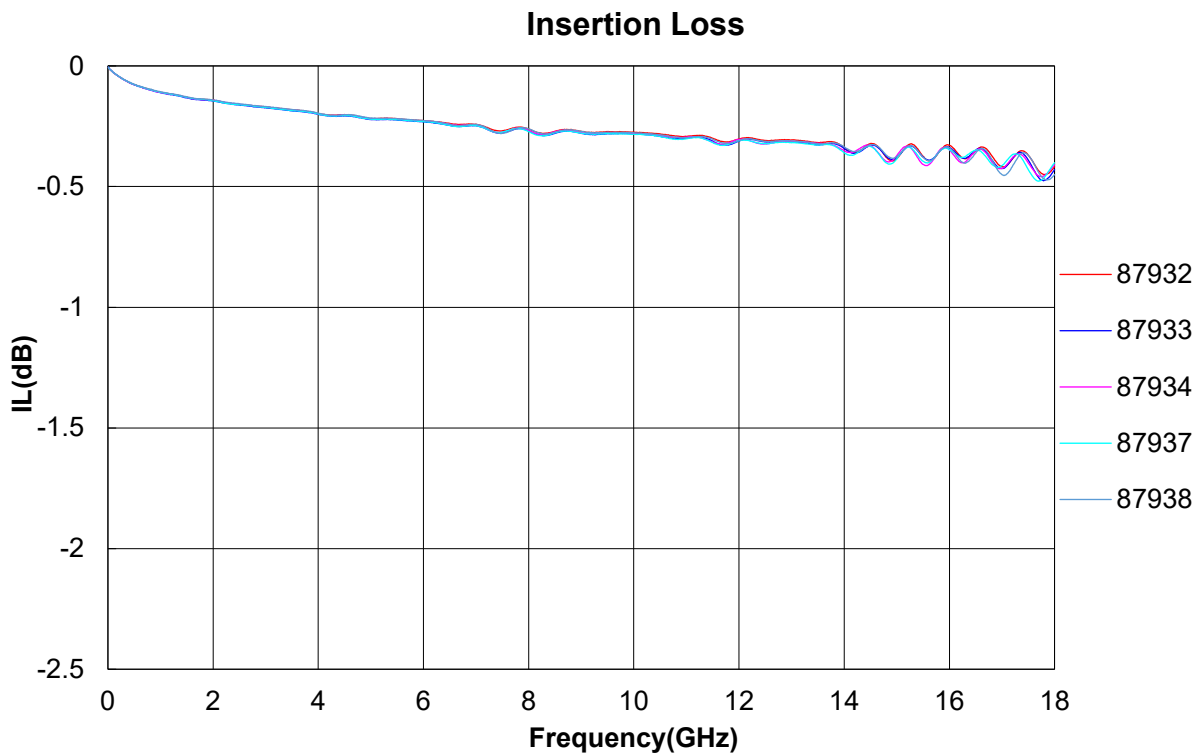
Description: 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options

Results: RF180-06RP-06RP-0152

Description: RF180 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
87932	1.34 @ 17.81 GHz	-16.86 @ 17.81 GHz	-0.45 dB @ 17.79 GHz
87933	1.37 @ 17.78 GHz	-16.18 @ 17.78 GHz	-0.48 dB @ 17.79 GHz
87934	1.33 @ 17.73 GHz	-16.93 @ 17.73 GHz	-0.46 dB @ 17.74 GHz
87937	1.36 @ 17.69 GHz	-16.34 @ 17.69 GHz	-0.48 dB @ 17.70 GHz
87938	1.36 @ 17.84 GHz	-16.31 @ 17.84 GHz	-0.47 dB @ 17.87 GHz

VSWR



Series: RF180**Description:** 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options**Return Loss****Insertion Loss**

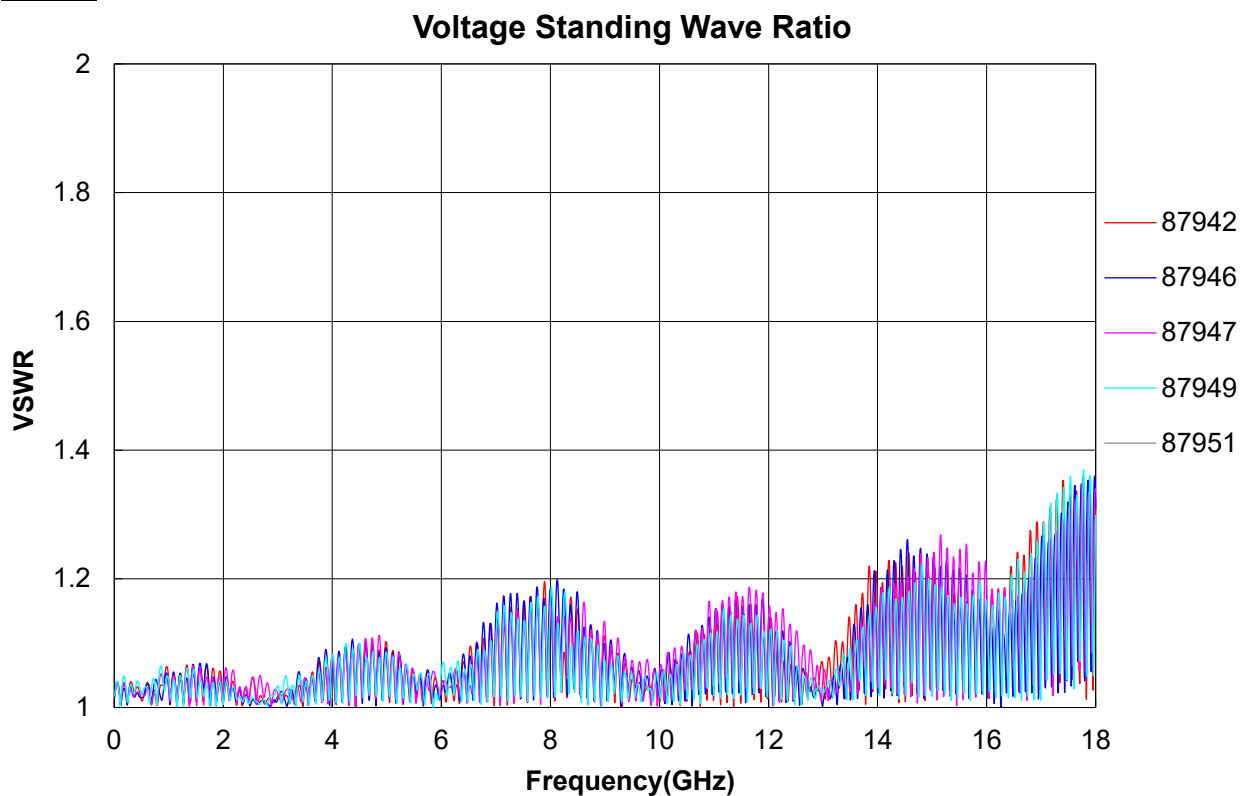
Series: RF180

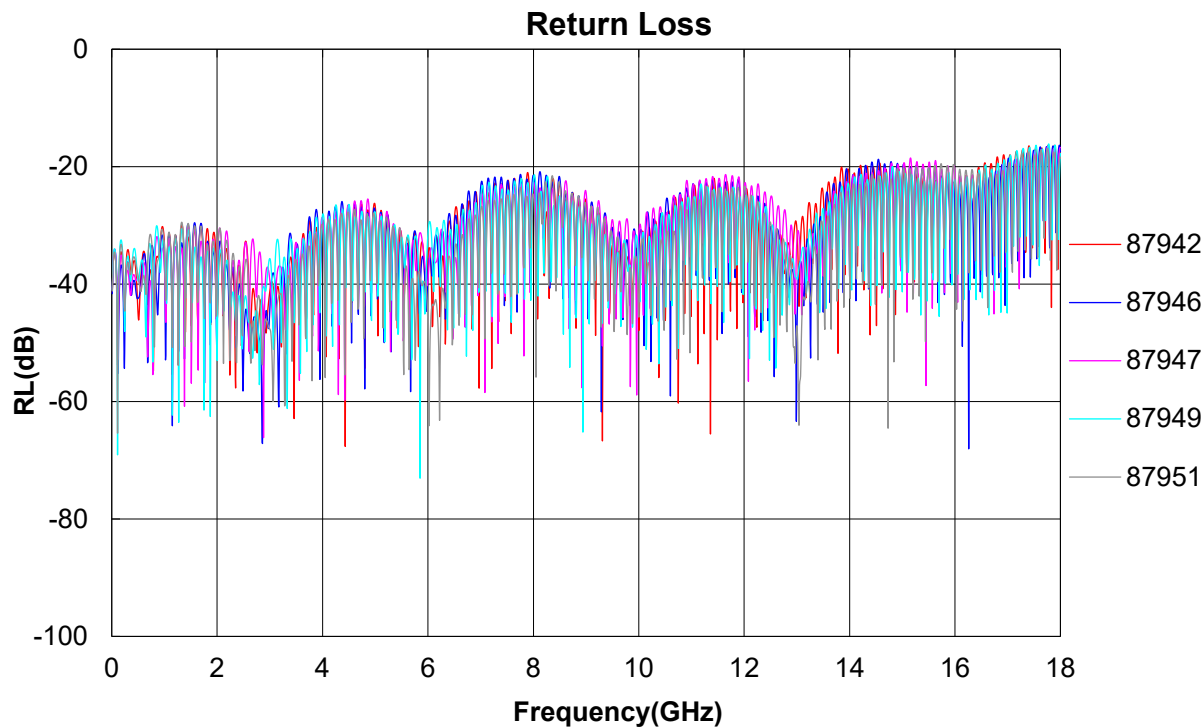
Description: 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options

Results: RF180-06RP-06RP-1000

Description: RF180 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
87942	1.36 @ 17.77 GHz	-16.36 @ 17.77 GHz	-1.49 dB @ 17.89 GHz
87946	1.36 @ 17.98 GHz	-16.34 @ 17.98 GHz	-1.49 dB @ 17.98 GHz
87947	1.35 @ 17.75 GHz	-16.61 @ 17.75 GHz	-1.45 dB @ 18.00 GHz
87949	1.37 @ 17.78 GHz	-16.14 @ 17.78 GHz	-1.49 dB @ 17.78 GHz
87951	1.33 @ 17.75 GHz	-16.91 @ 17.75 GHz	-1.44 dB @ 17.75 GHz

VSWR



Series: RF180**Description:** 50 Ohm, .178 low-loss flexible RF Microwave Cable Assembly, NTPE End Options**Return Loss****Insertion Loss**