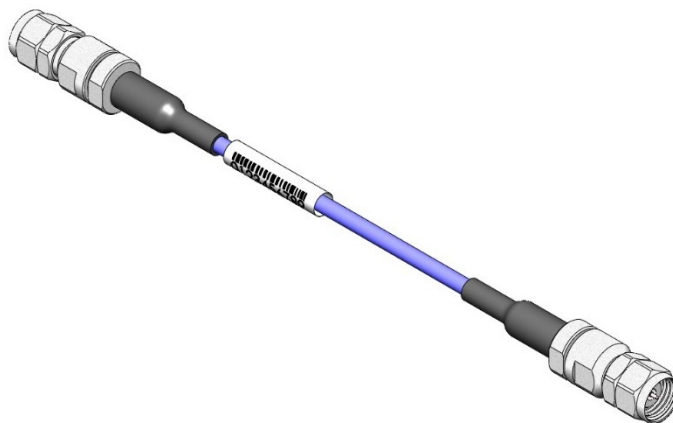




RF Characterization Report

RF086-18SP-18SP-XXXX



Test Date: Feb 2023

Description:
50 Ohm .086" RF Millimeter Wave Cable Assembly,
1.85mm Plug End Option

Series: RF086**Description:** 50 Ohm .086" RF Millimeter Wave Cable Assembly, 1.85mm Plug End Option

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Series: RF086

Description: 50 Ohm .086" RF Millimeter Wave Cable Assembly, 1.85mm Plug End Option

Test Setup Information

Scope:

Provide standing wave ratio, return loss and insertion loss performance parameters for RF086 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	67 GHz
Points	6700
Test Cables	Gore 0F0CACB036.0-LF (DC to 67 GHz)

Calibration Type:

A Keysight mechanical calibration is performed using the Keysight 85058B Standard Mechanical Calibration kit.

Calibration Kit	Keysight 85058B Standard Mechanical Calibration Kit
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Adapter Use:

No adapter used.

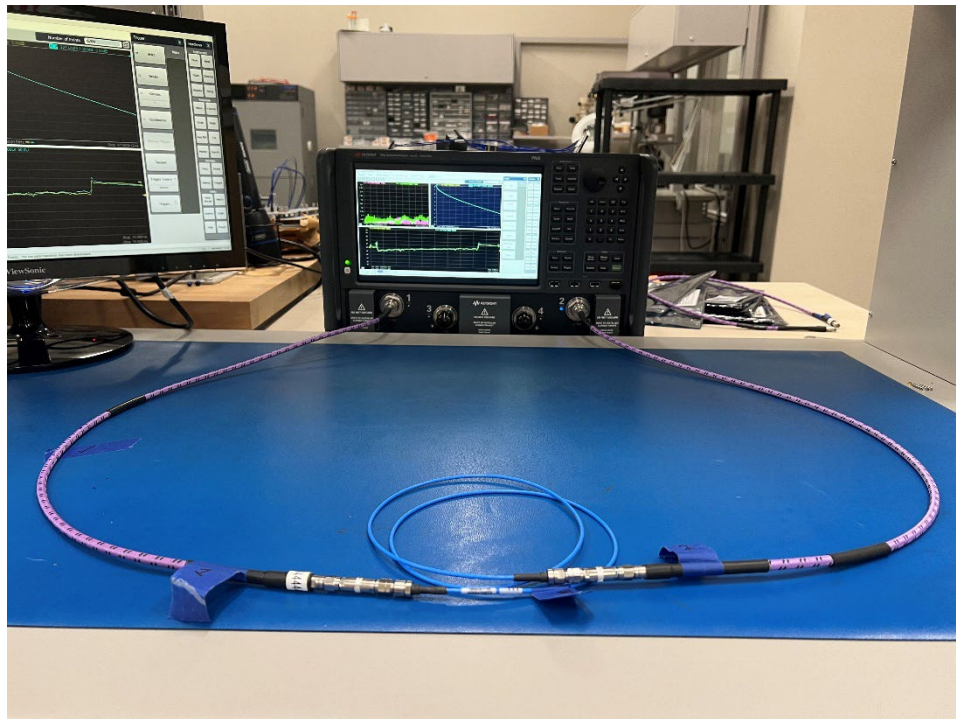
Series: RF086

Description: 50 Ohm .086" RF Millimeter Wave Cable Assembly, 1.85mm Plug End Option

RF086-18SP-18SP-XXXX Test Definition

Part Number	End 1	End 2
RF086-18SP-18SP-XXXX	1.85 mm Straight Plug	1.85 mm Straight Plug

Cable Under Test:



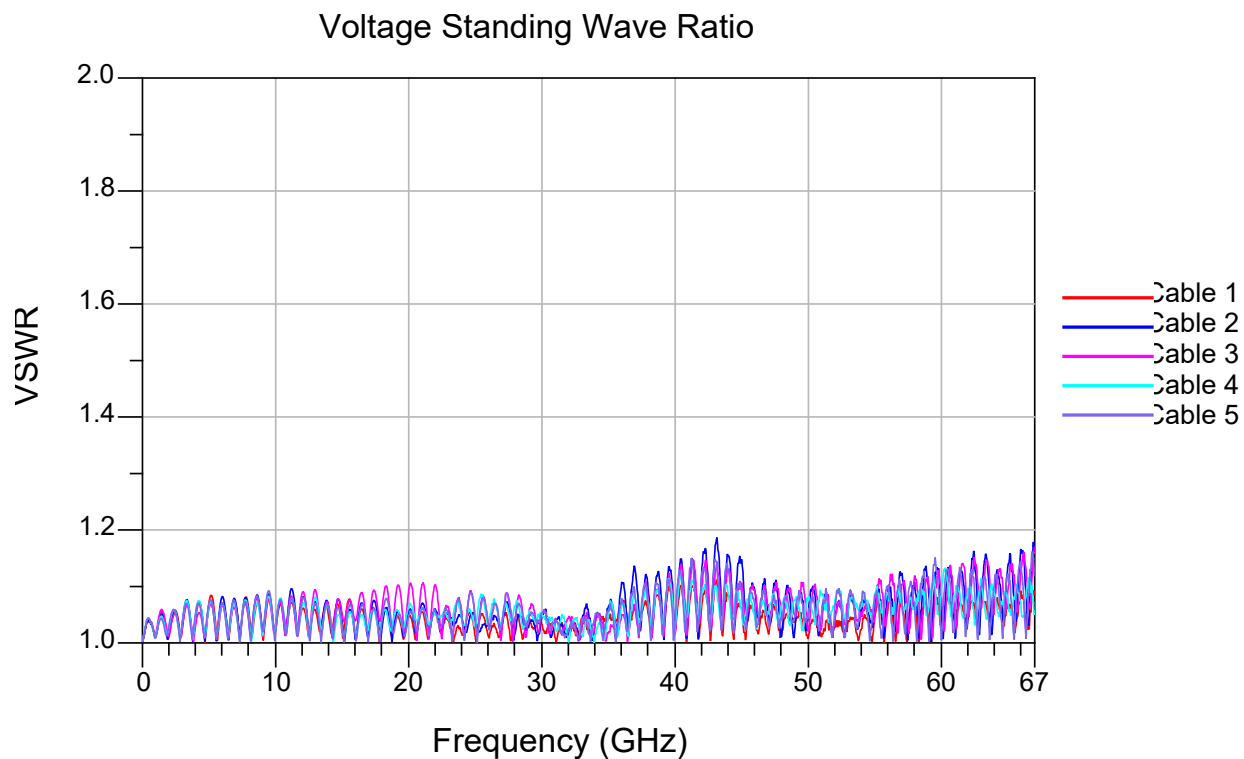
Series: RF086

Description: 50 Ohm .086" RF Millimeter Wave Cable Assembly, 1.85mm Plug End Option

Results: RF086-18SP-18SP-0152

Description: RF086 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
Cable1	1.11 @ 43.10 GHz	-25.57 @ 43.10 GHz	-1.16 dB @ 67.00 GHz
Cable2	1.19 @ 43.14 GHz	-21.38 @ 43.14 GHz	-1.17 dB @ 66.93 GHz
Cable3	1.17 @ 67.00 GHz	-22.18 @ 67.00 GHz	-1.21 dB @ 67.00 GHz
Cable4	1.13 @ 60.29 GHz	-24.13 @ 60.29 GHz	-1.18 dB @ 66.83 GHz
Cable5	1.16 @ 66.79 GHz	-22.51 @ 66.79 GHz	-1.20 dB @ 66.83 GHz

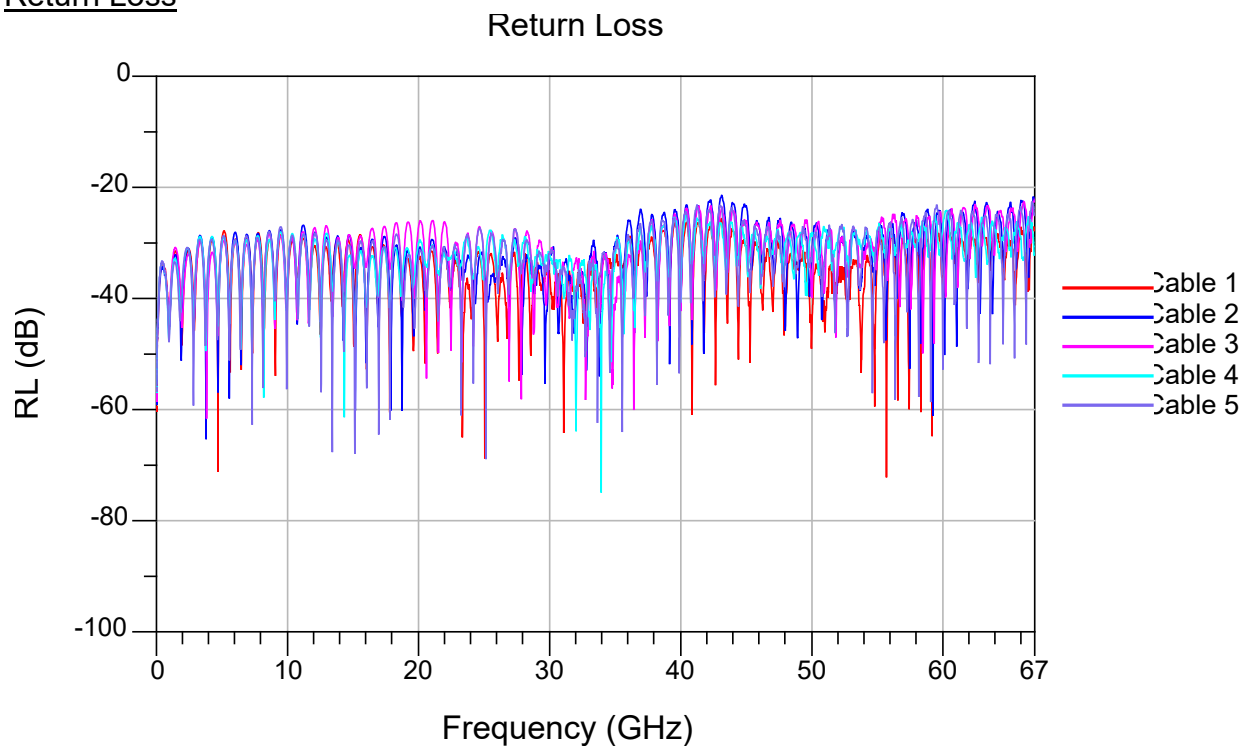
VSWR



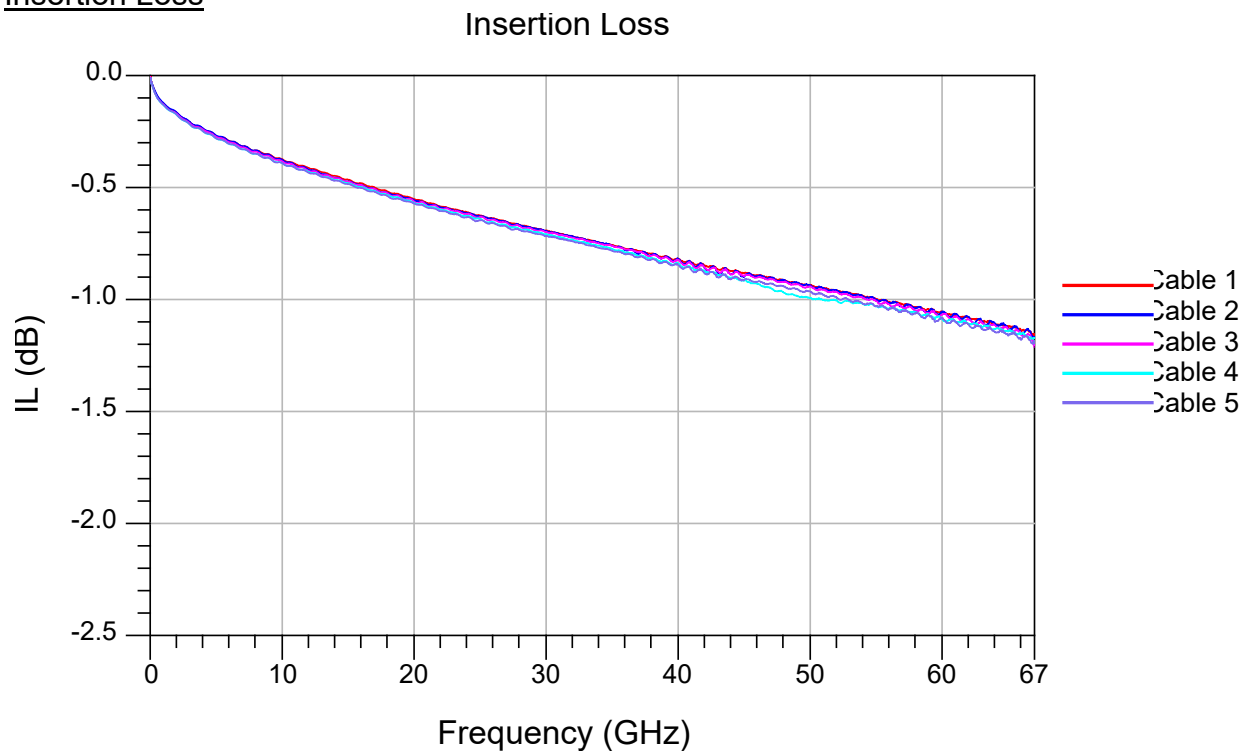
Series: RF086

Description: 50 Ohm .086" RF Millimeter Wave Cable Assembly, 1.85mm Plug End Option

Return Loss



Insertion Loss



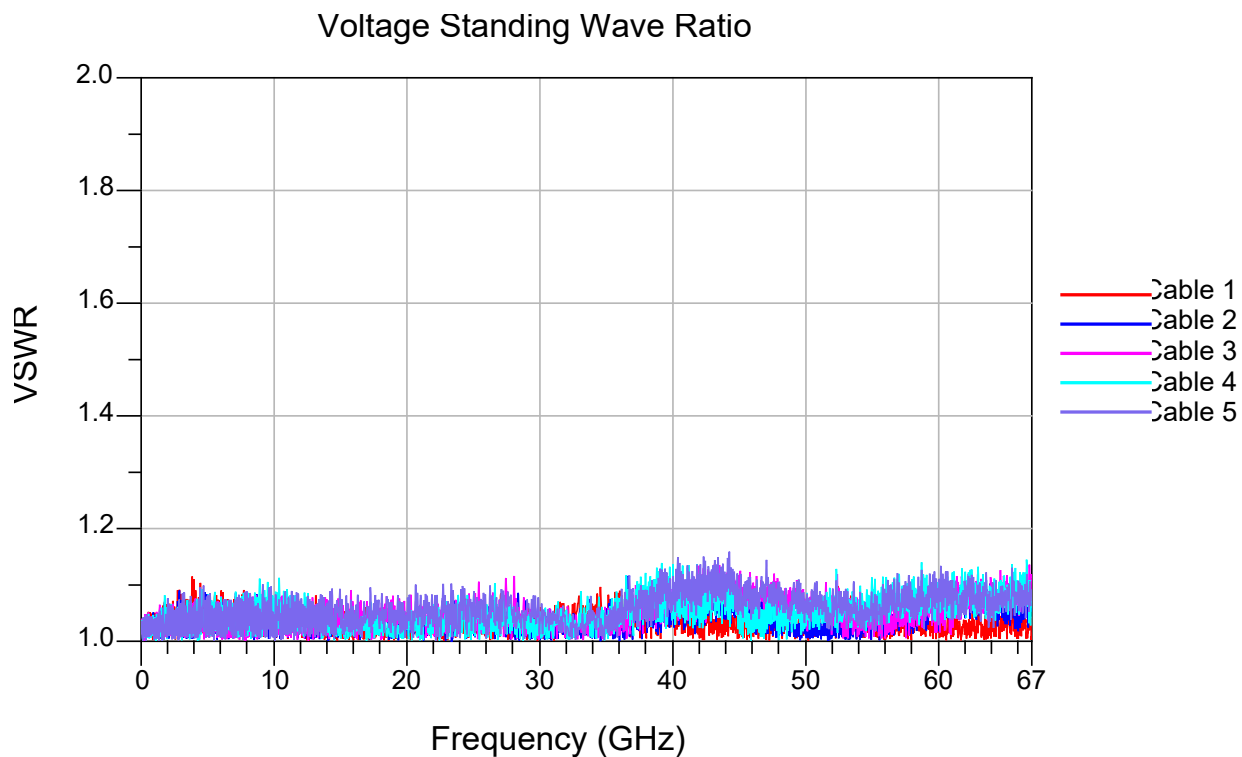
Series: RF086

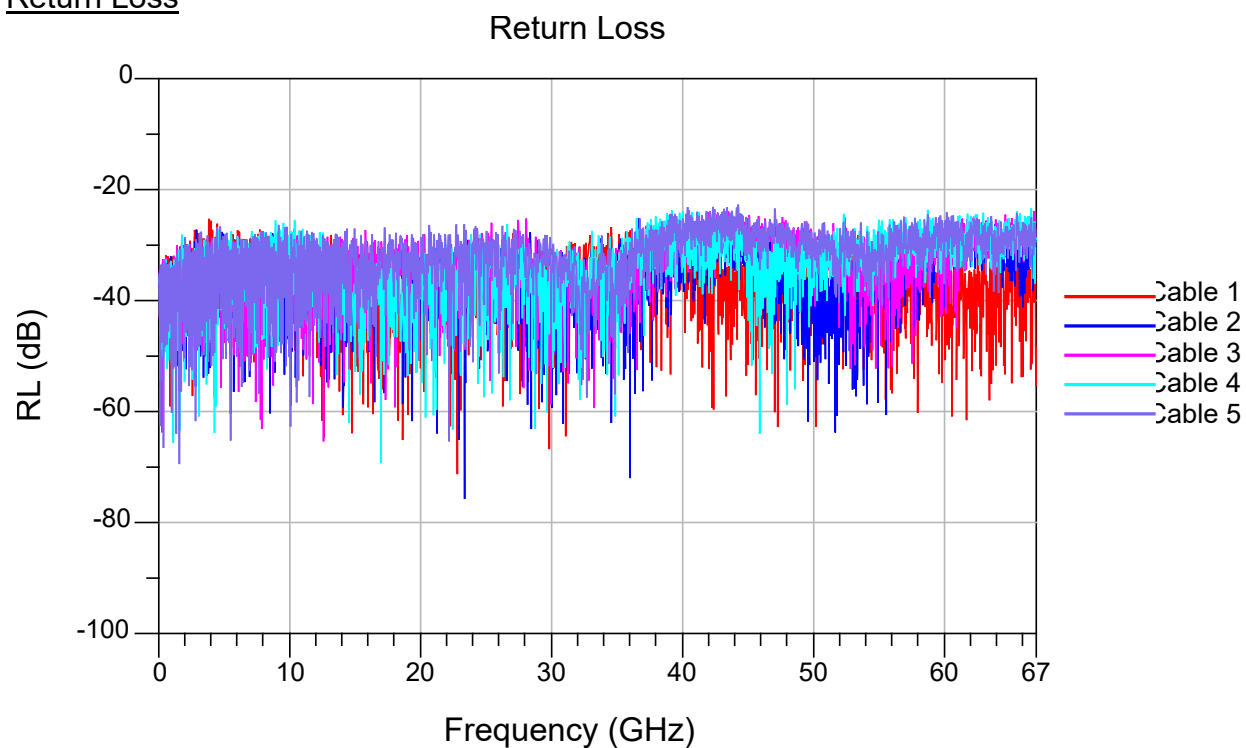
Description: 50 Ohm .086" RF Millimeter Wave Cable Assembly, 1.85mm Plug End Option

Results: RF086-18SP-18SP-1000

Description: RF086 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
Cable1	1.12 @ 3.84 GHz	-25.28 @ 3.84 GHz	-6.68 dB @ 66.94 GHz
Cable2	1.12 @ 36.65 GHz	-25.21 @ 36.65 GHz	-6.72 dB @ 67.00 GHz
Cable3	1.14 @ 43.14 GHz	-23.82 @ 43.14 GHz	-6.70 dB @ 66.84 GHz
Cable4	1.15 @ 66.61 GHz	-23.41 @ 66.61 GHz	-6.70 dB @ 66.86 GHz
Cable5	1.16 @ 44.25 GHz	-22.67 @ 44.25 GHz	-6.70 dB @ 66.85 GHz

VSWR



Series: RF086**Description:** 50 Ohm .086" RF Millimeter Wave Cable Assembly, 1.85mm Plug End OptionReturn LossInsertion Loss