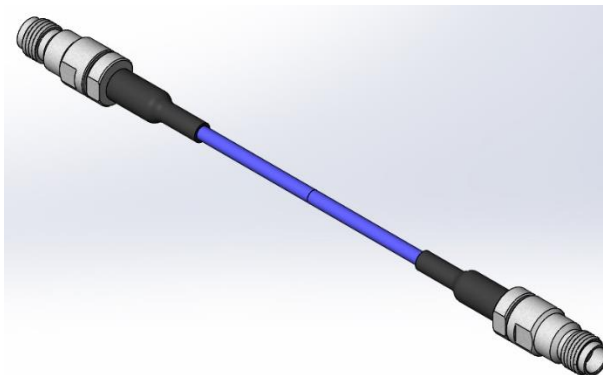




RF Characterization Report

RF086-18SJ-18SJ-XXXX



Test Date: Sep 2021

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

Series: RF086

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

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Series: RF086

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

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.

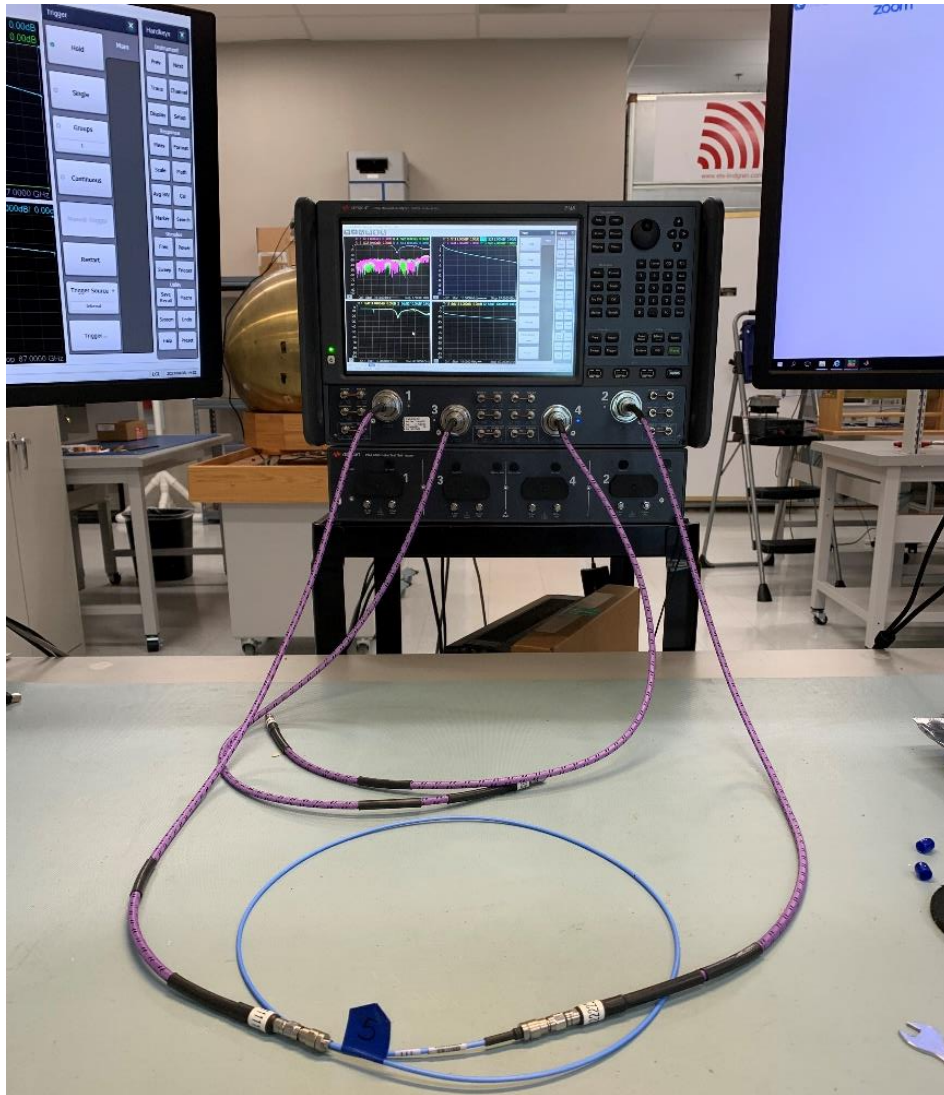
Series: RF086

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

RF086-18SJ-18SJ-XXXX Test Definition

Part Number	End 1	End 2
RF086-18SJ-18SJ-XXXX	1.85 mm Straight Jack	1.85 mm Straight Jack

Cable Under Test:



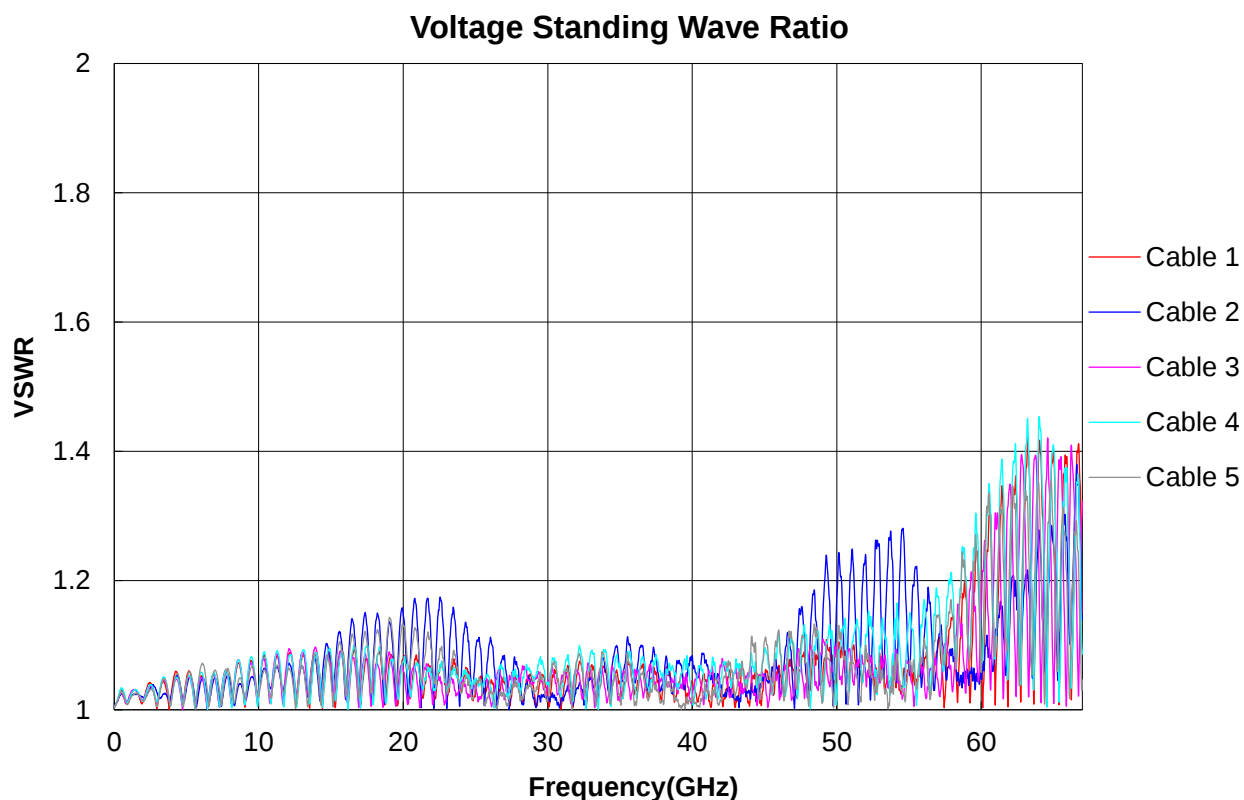
Series: RF086

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

Results: RF086-18SJ-18SJ-0152

Description: RF086 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
Cable1	1.42 @ 63.23 GHz	-15.19 @ 63.23 GHz	-1.27 dB @ 66.76 GHz
Cable2	1.38 @ 66.61 GHz	-15.94 @ 66.61 GHz	-1.29 dB @ 66.62 GHz
Cable3	1.42 @ 64.60 GHz	-15.20 @ 64.60 GHz	-1.35 dB @ 67.00 GHz
Cable4	1.45 @ 64.01 GHz	-14.66 @ 64.01 GHz	-1.46 dB @ 66.88 GHz
Cable5	1.35 @ 64.84 GHz	-16.46 @ 64.84 GHz	-1.24 dB @ 67.00 GHz

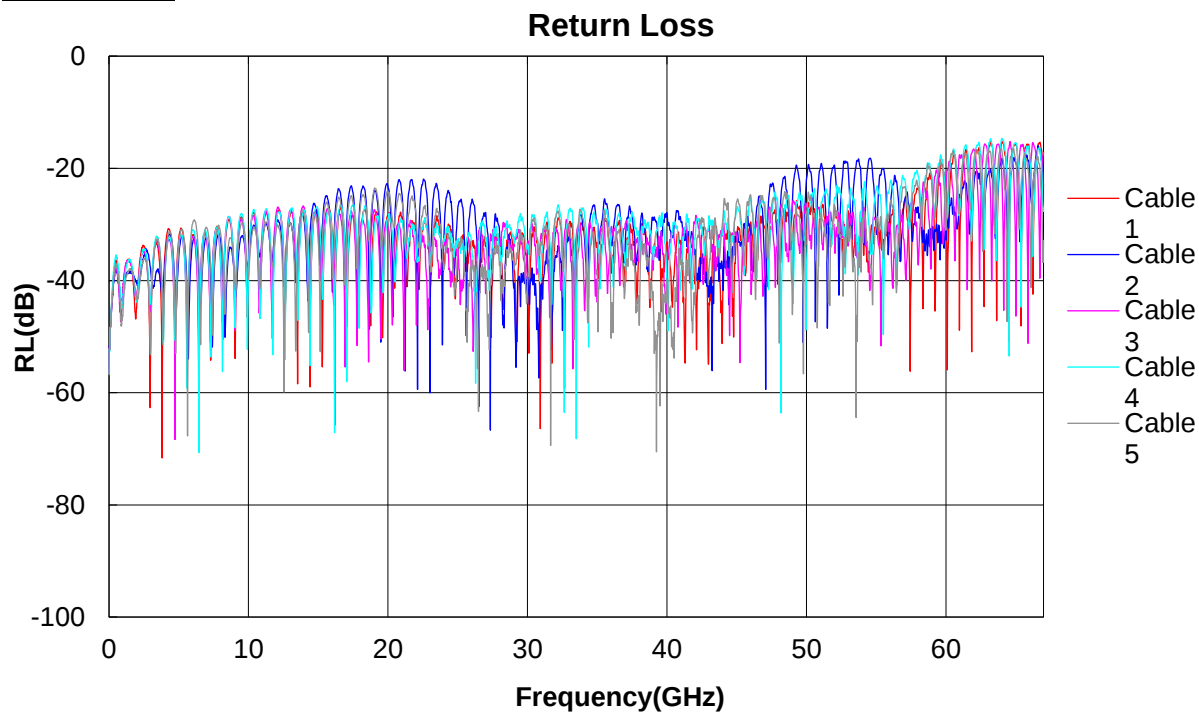
VSWR



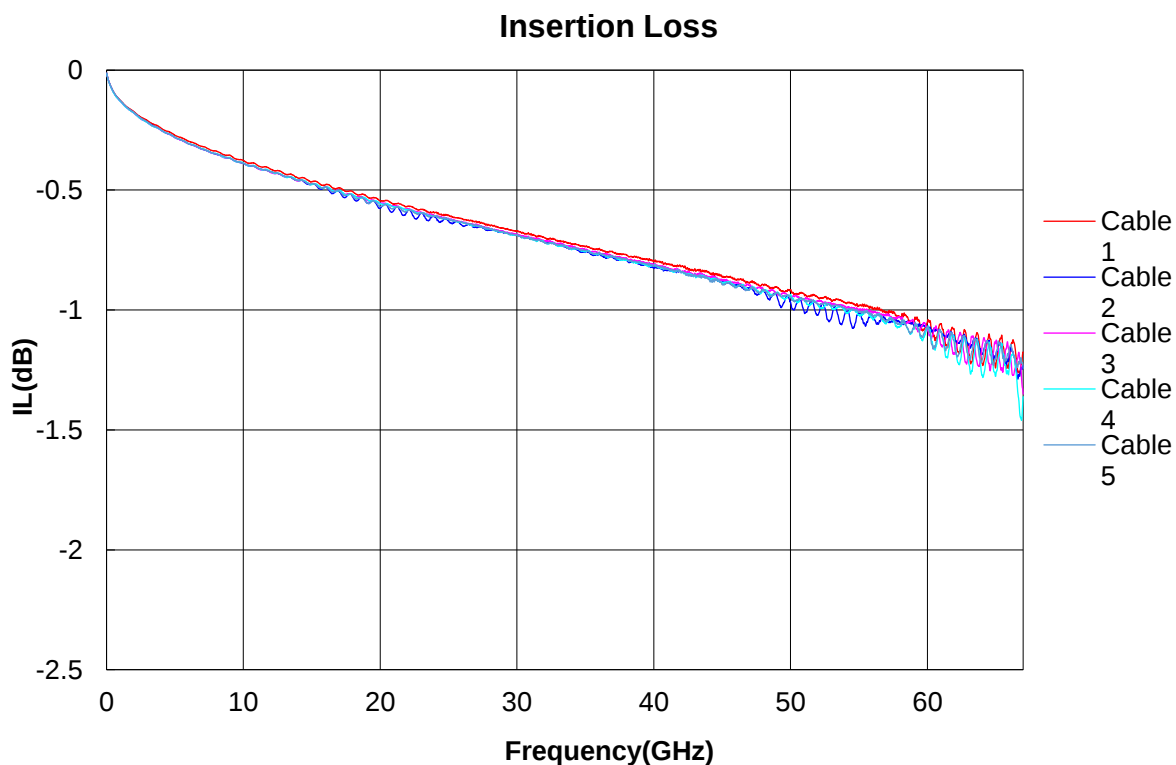
Series: RF086

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

Return Loss



Insertion Loss



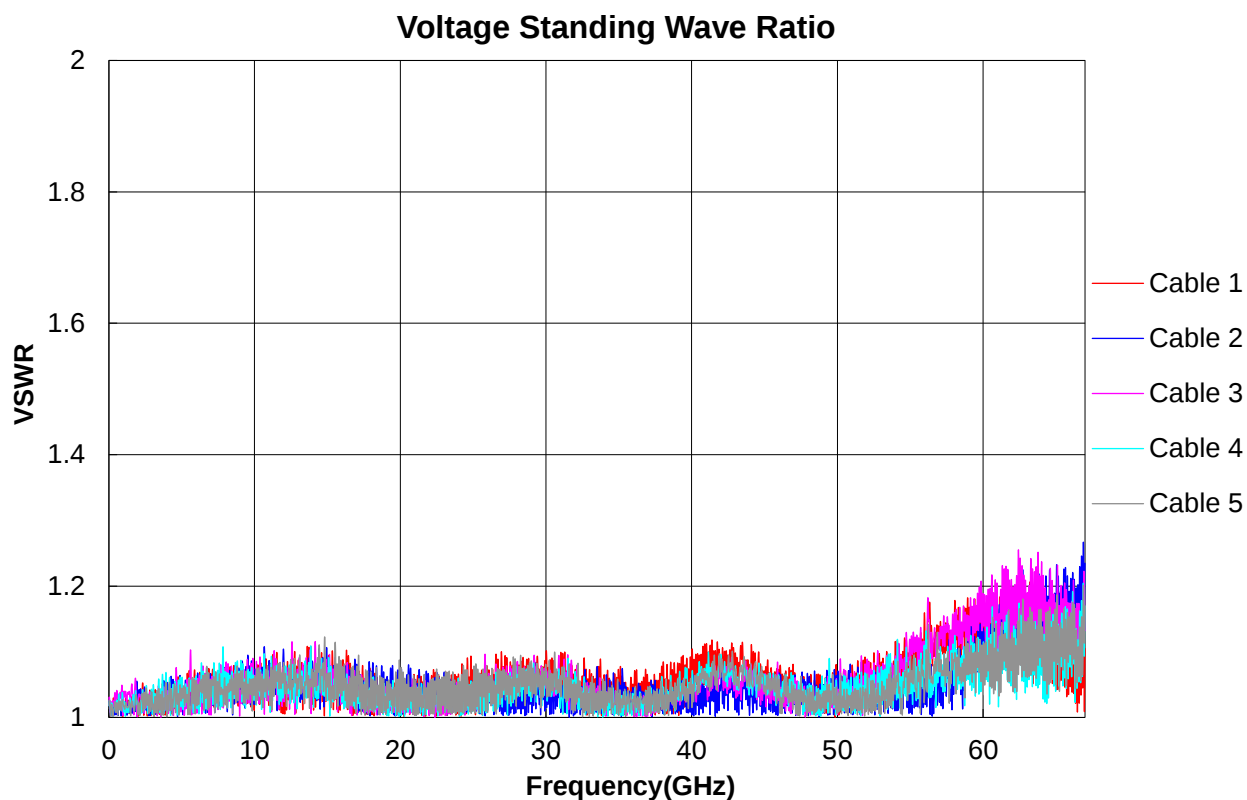
Series: RF086

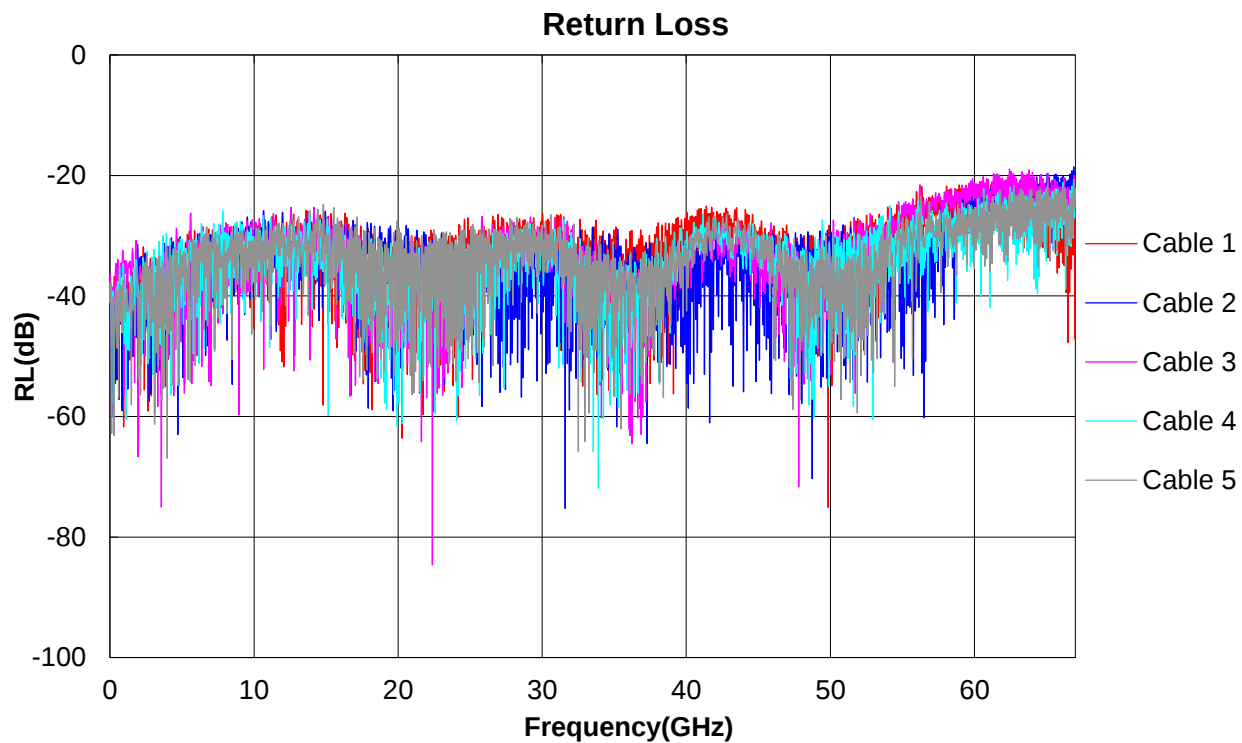
Description: 50 Ohm, .086" RF Millimeter Wave Cable Assembly, 1.85mm End Options

Results: RF086-18SJ-18SJ-1000

Description: RF086 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
Cable1	1.21 @ 61.40 GHz	-20.44 @ 61.40 GHz	-6.90 dB @ 67.00 GHz
Cable2	1.27 @ 66.89 GHz	-18.58 @ 66.89 GHz	-6.89 dB @ 67.00 GHz
Cable3	1.26 @ 62.43 GHz	-18.93 @ 62.43 GHz	-6.84 dB @ 66.93 GHz
Cable4	1.20 @ 66.88 GHz	-20.66 @ 66.88 GHz	-6.87 dB @ 67.00 GHz
Cable5	1.20 @ 66.89 GHz	-20.78 @ 66.89 GHz	-6.79 dB @ 67.00 GHz

VSWR



Series: RF086**Description:** 50 Ohm, .086" RF Millimeter Wave Cable Assembly, 1.85mm End Options**Return Loss****Insertion Loss**