

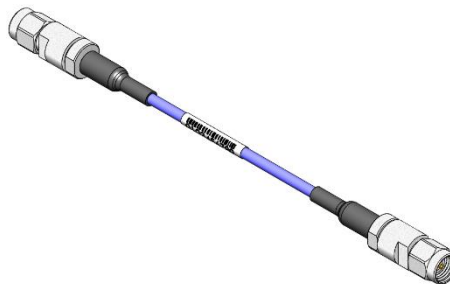


RF Characterization Report

RF086-92SJ-92SJ-XXXX



RF086-92SP-92SP-XXXX



Test Date: 13 Dec 2020

Description:
50 Ohm .086" Diameter RF 40 GHz Cable Assembly

Series: RF086

Description: 50 Ohm .086" Diameter RF 40 GHz Cable Assembly

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Series: RF086

Description: 50 Ohm .086" Diameter RF 40 GHz Cable Assembly

Test Setup Information

Scope:

Provide standing wave ratio, return loss and insertion loss performance parameters for RF086 high frequency 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	40 GHz
Points	4000
Test Cables	Gore 0F0CACB036.0-LF (DC to 67 GHz)

Calibration Type:

A Keysight mechanical calibration is performed for N5227B using the Keysight 2.92mm Electrical Calibration kit.

Calibration Kit	Keysight 4692A 2.92mm Electrical Calibration Kit
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Adapter Use:

No adapter used for the testing.

Series: RF086

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RF086-92SJ-92SJ-XXXX Test Definition

Part Number	End 1	End 2
RF086-92SJ-92SJ-0152	2.92mm Jack	2.92mm Jack
RF086-92SJ-92SJ-1000	2.92mm Jack	2.92mm Jack
RF086-92SP-92SP-0152	2.92mm Plug	2.92mm Plug
RF086-92SP-92SP-1000	2.92mm Plug	2.92mm Plug

Cable Under Test:



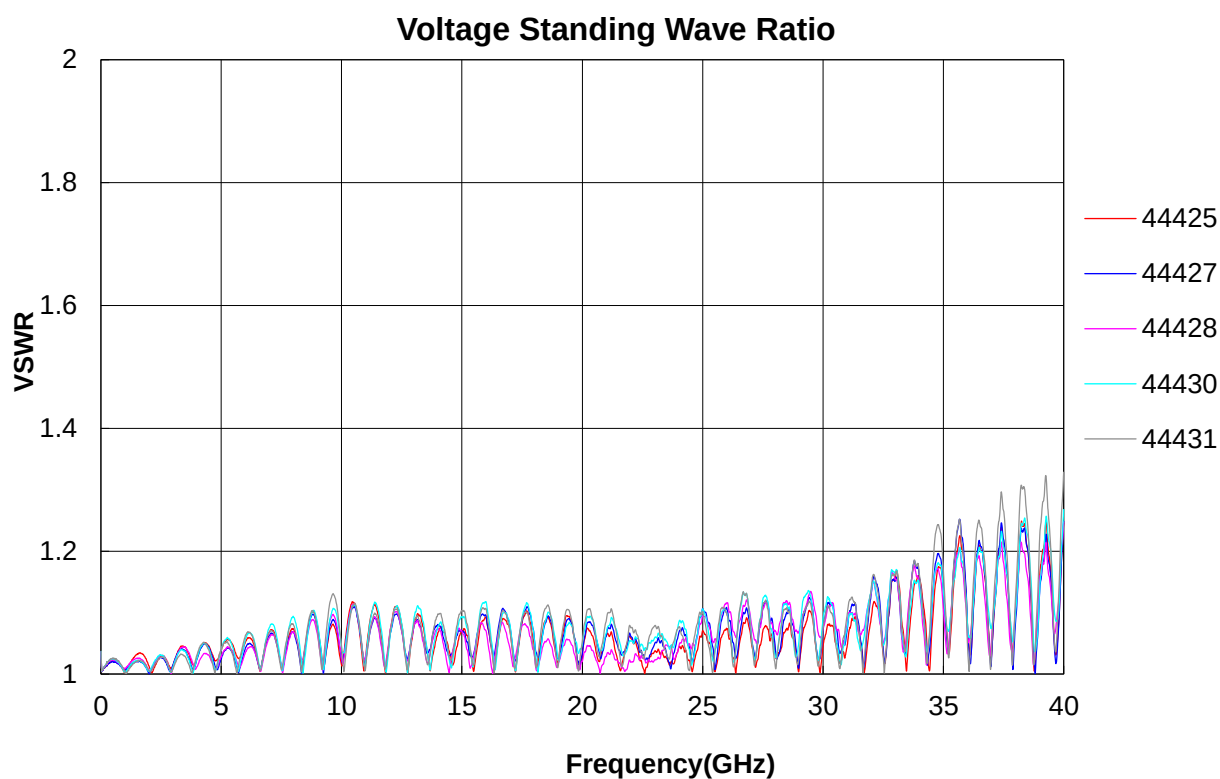
Series: RF086

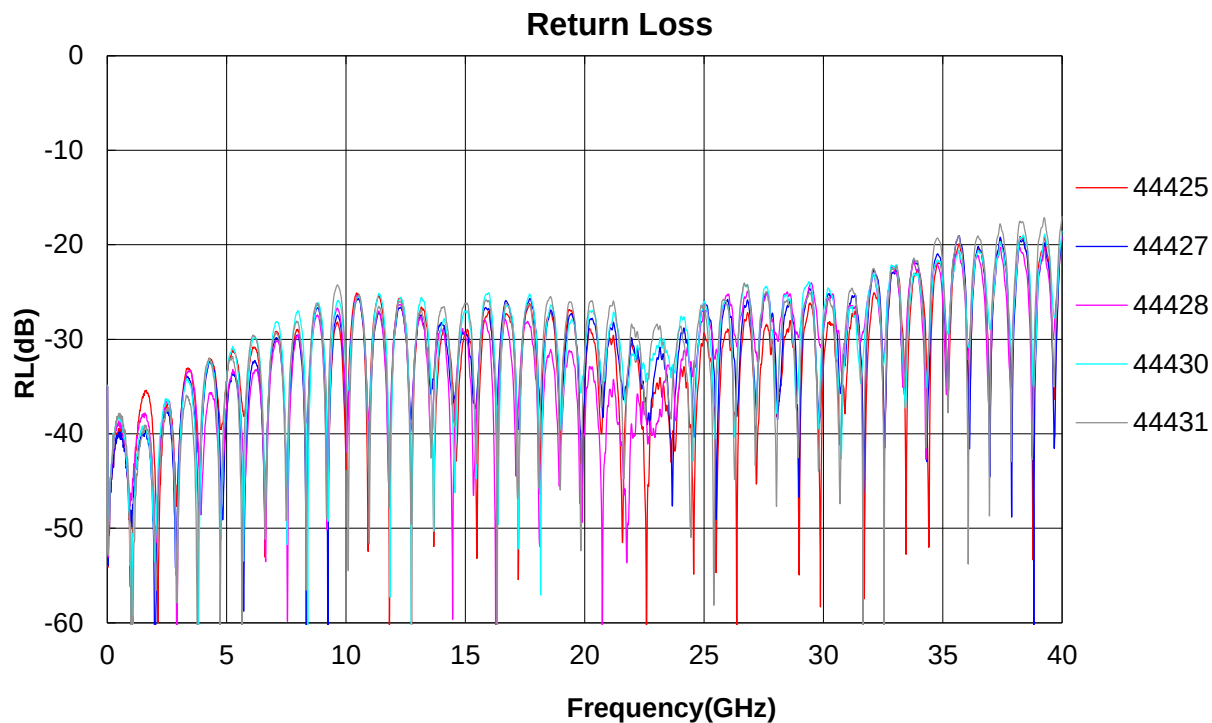
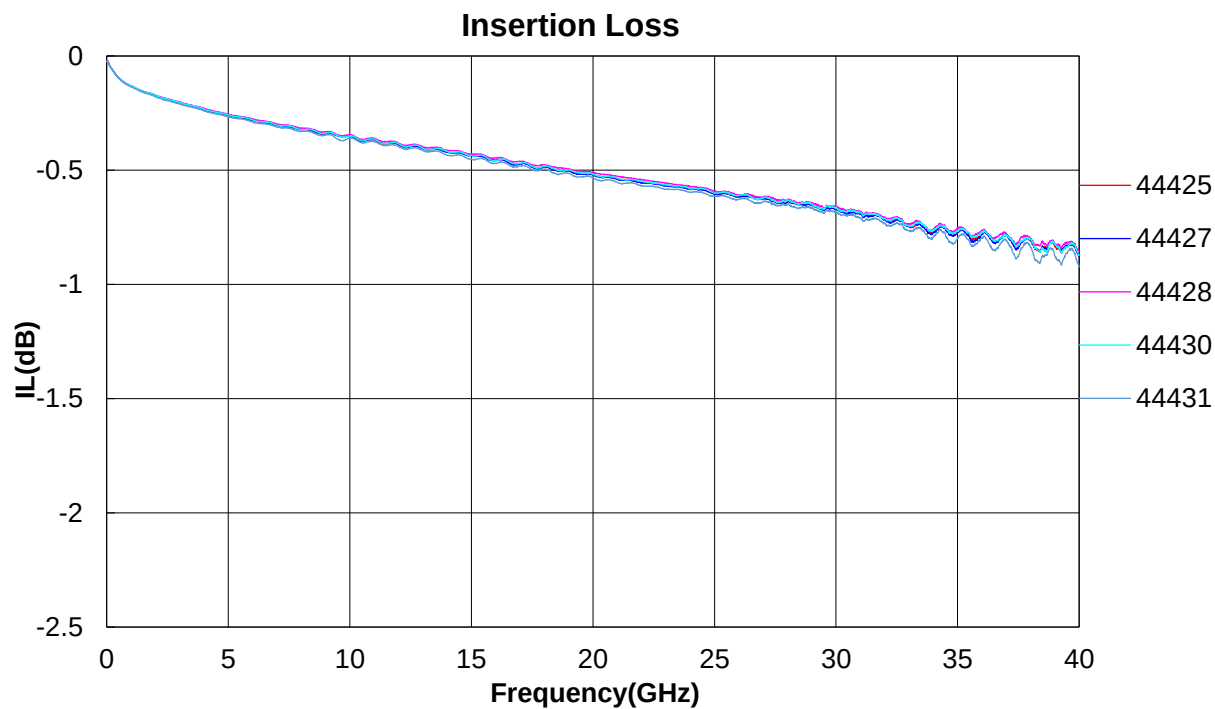
Description: 50 Ohm .086" Diameter RF 40 GHz Cable Assembly

Results: RF086-92SJ-92SJ-0152

Description: RF086 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
44425	1.25 @ 38.25 GHz	-19.12 @ 38.25 GHz	-0.88 dB @ 39.98 GHz
44427	1.25 @ 35.68 GHz	-19.03 @ 35.68 GHz	-0.88 dB @ 40.00 GHz
44428	1.25 @ 40.00 GHz	-19.16 @ 40.00 GHz	-0.86 dB @ 39.99 GHz
44430	1.27 @ 40.00 GHz	-18.56 @ 40.00 GHz	-0.87 dB @ 39.99 GHz
44431	1.33 @ 40.00 GHz	-17.01 @ 40.00 GHz	-0.92 dB @ 40.00 GHz

VSWR



Series: RF086**Description:** 50 Ohm .086" Diameter RF 40 GHz Cable Assembly**Return Loss****Insertion Loss**

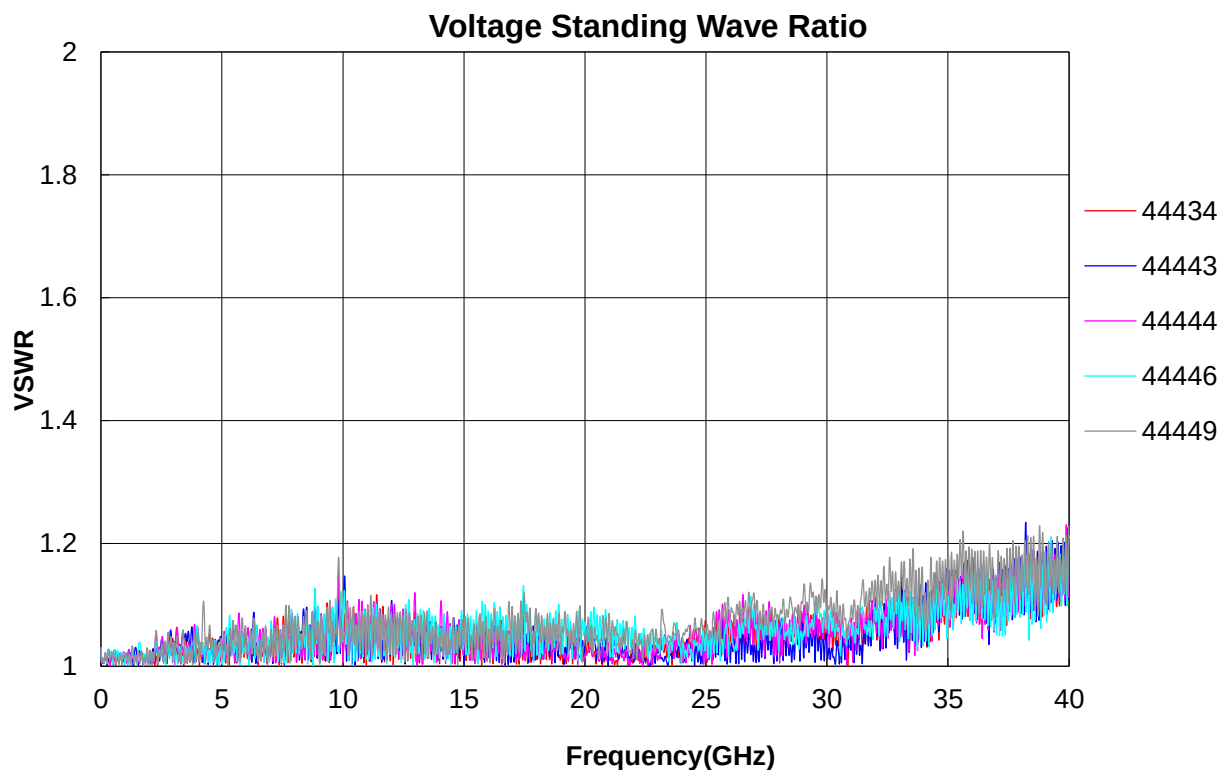
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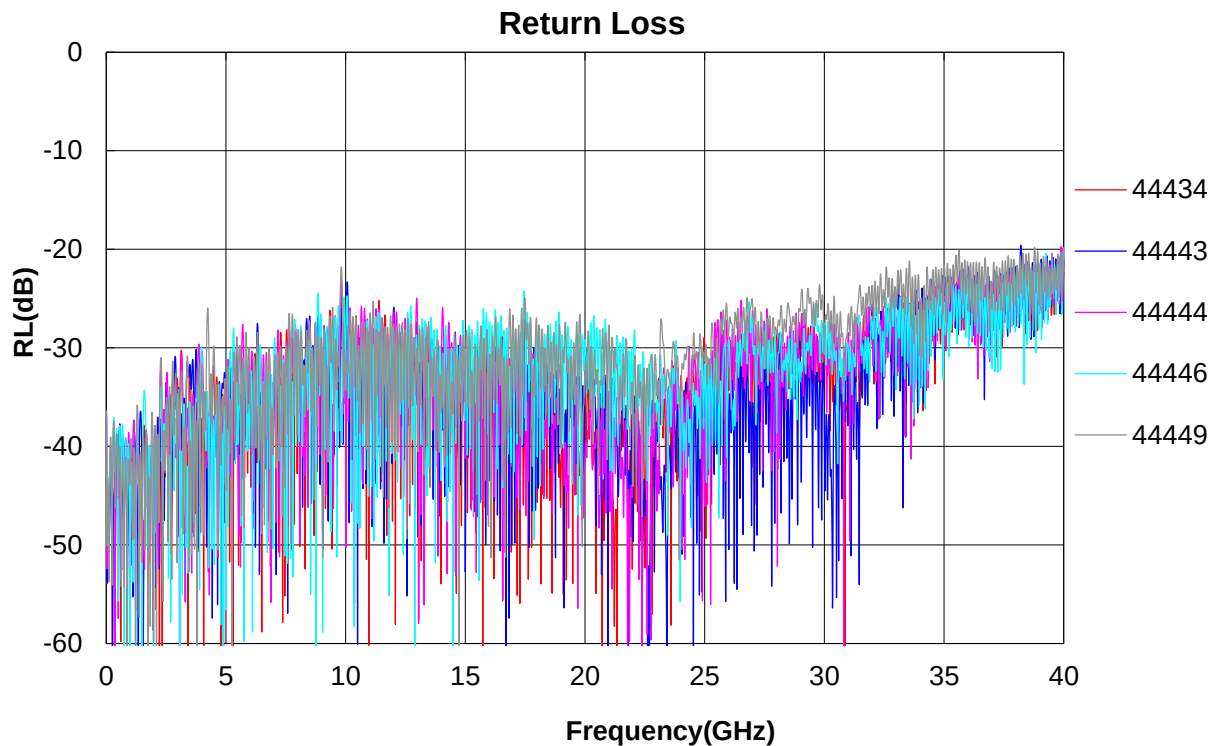
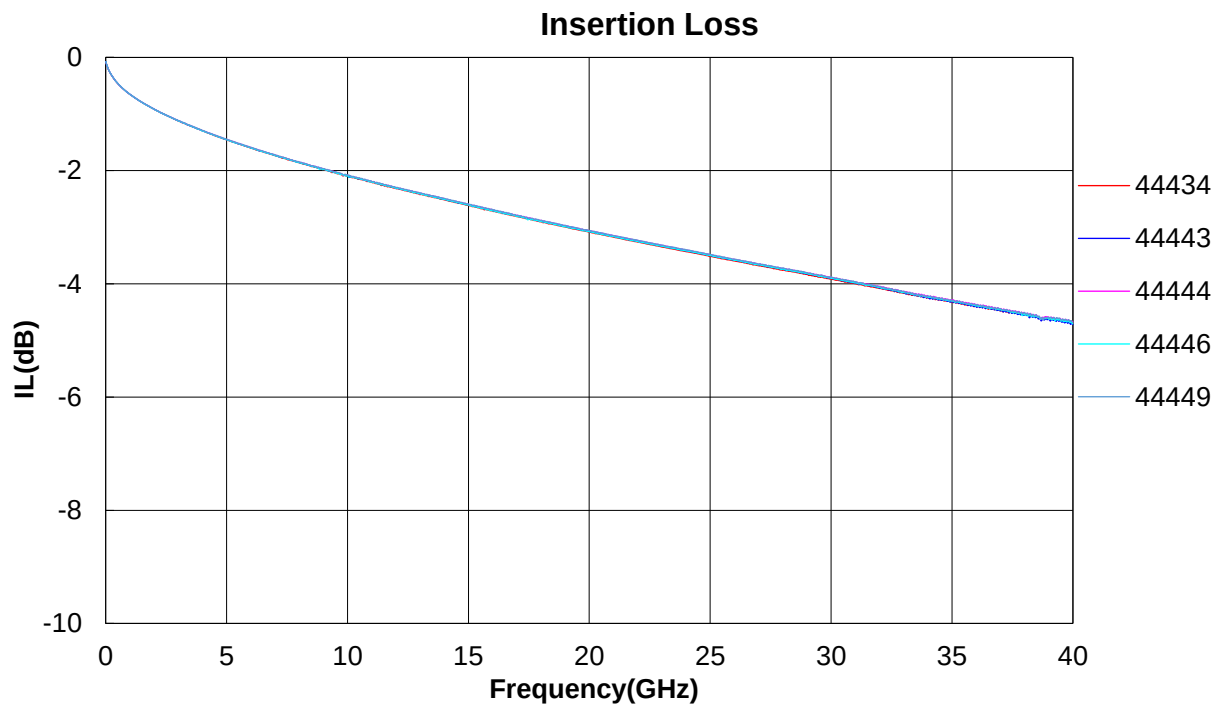
Description: 50 Ohm .086" Diameter RF 40 GHz Cable Assembly

Results: RF086-92SJ-92SJ-1000

Description: RF086 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
44434	1.20 @ 39.91 GHz	-20.87 @ 39.91 GHz	-4.70 dB @ 39.92 GHz
44443	1.23 @ 38.21 GHz	-19.59 @ 38.21 GHz	-4.72 dB @ 40.00 GHz
44444	1.23 @ 39.89 GHz	-19.72 @ 39.89 GHz	-4.76 dB @ 40.00 GHz
44446	1.21 @ 39.99 GHz	-20.32 @ 39.99 GHz	-4.70 dB @ 39.99 GHz
44449	1.23 @ 38.79 GHz	-19.78 @ 38.79 GHz	-4.68 dB @ 39.99 GHz

VSWR



Series: RF086**Description:** 50 Ohm .086" Diameter RF 40 GHz Cable Assembly**Return Loss****Insertion Loss**

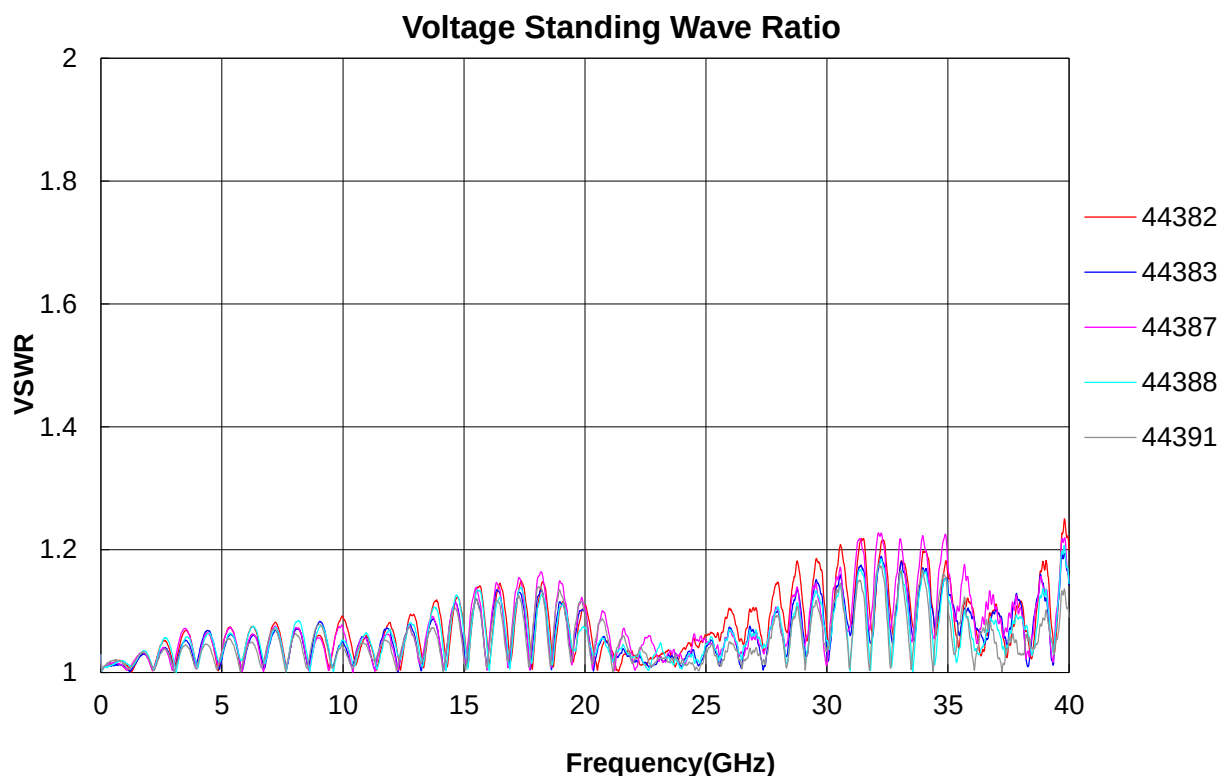
Series: RF086

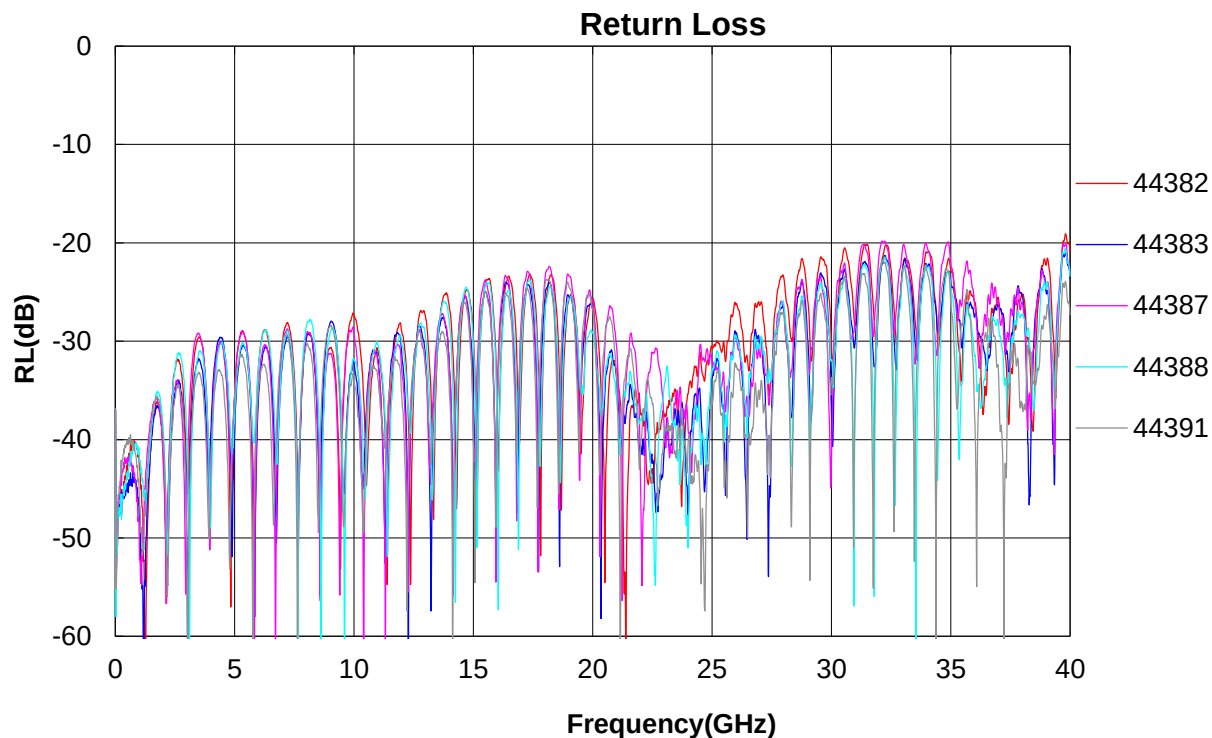
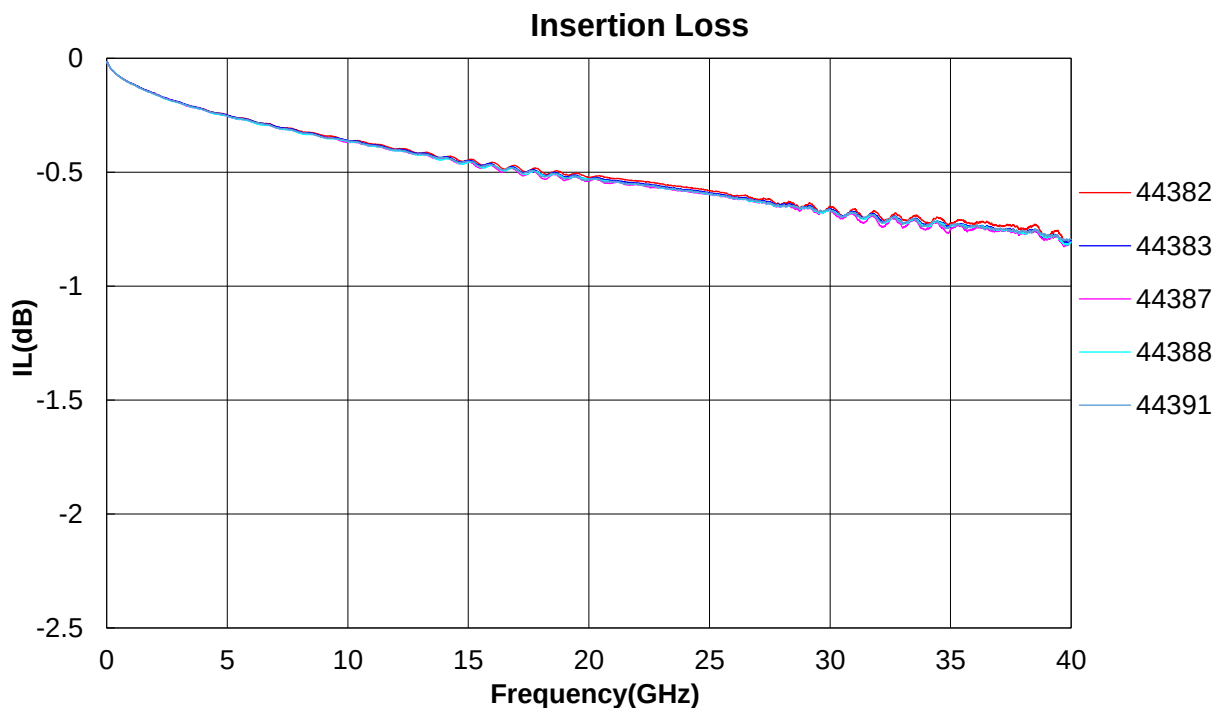
Description: 50 Ohm .086" Diameter RF 40 GHz Cable Assembly

Results: RF086-92SP-92SP-0152

Description: RF086 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
44382	1.25 @ 39.81 GHz	-19.07 @ 39.81 GHz	-0.81 dB @ 39.79 GHz
44383	1.19 @ 39.80 GHz	-21.08 @ 39.80 GHz	-0.81 dB @ 39.88 GHz
44387	1.23 @ 32.12 GHz	-19.82 @ 32.12 GHz	-0.83 dB @ 39.70 GHz
44388	1.21 @ 39.81 GHz	-20.57 @ 39.81 GHz	-0.82 dB @ 39.80 GHz
44391	1.18 @ 32.12 GHz	-21.83 @ 32.12 GHz	-0.80 dB @ 39.88 GHz

VSWR



Series: RF086**Description:** 50 Ohm .086" Diameter RF 40 GHz Cable Assembly**Return Loss****Insertion Loss**

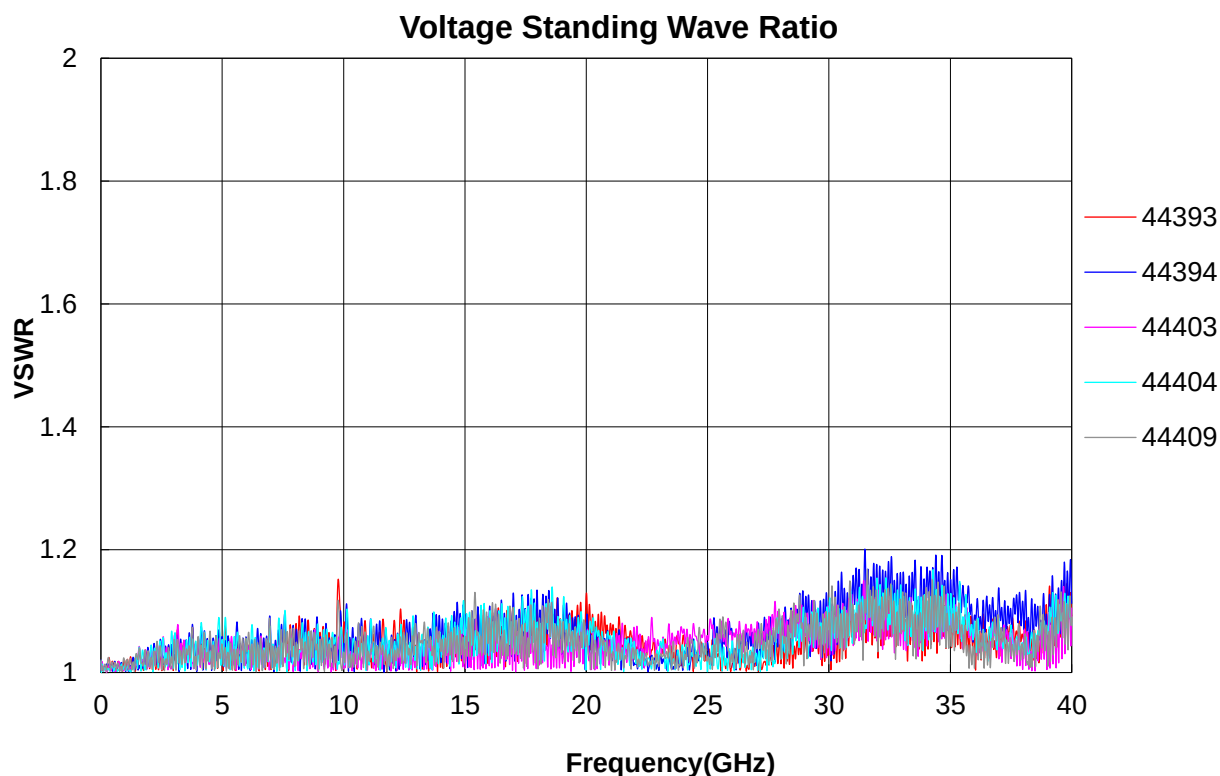
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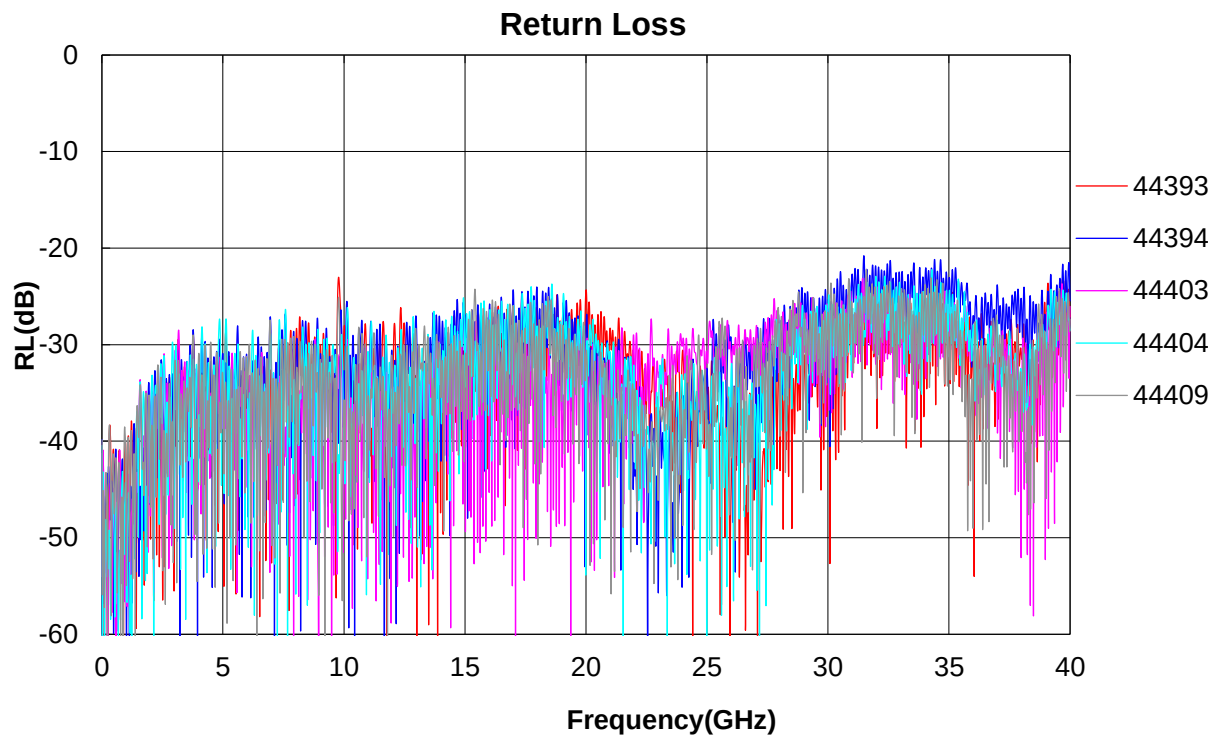
Description: 50 Ohm .086" Diameter RF 40 GHz Cable Assembly

Results: RF086-92SP-92SP-1000

Description: RF086 High Frequency RF Cable Assembly			
Sample	VSWR(max)	RL(max)	IL(min)
44393	1.15 @ 9.78 GHz	-23.02 @ 9.78 GHz	-4.57 dB @ 39.95 GHz
44394	1.20 @ 31.48 GHz	-20.79 @ 31.48 GHz	-4.56 dB @ 39.96 GHz
44403	1.15 @ 31.55 GHz	-23.10 @ 31.55 GHz	-4.50 dB @ 39.92 GHz
44404	1.17 @ 34.29 GHz	-22.24 @ 34.29 GHz	-4.51 dB @ 39.88 GHz
44409	1.17 @ 31.58 GHz	-22.22 @ 31.58 GHz	-4.61 dB @ 39.92 GHz

VSWR



Series: RF086**Description:** 50 Ohm .086" Diameter RF 40 GHz Cable Assembly**Return Loss****Insertion Loss**