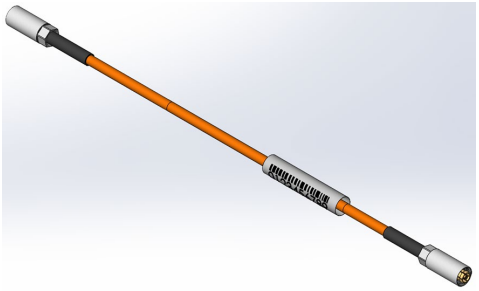
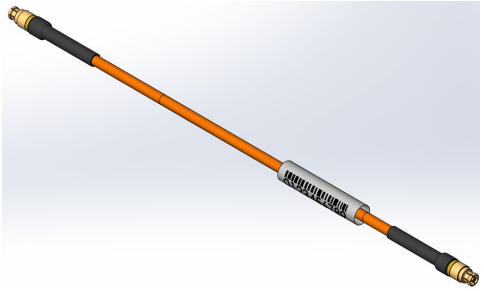
RF Characterization Report

LL095-MTSJ-MTSJ-XXXX



LL095-M0SJ-M0SJ-XXXX



Test Date: Aug 2026

Description:

95 GHZ, Nitrowave™ High-Performance Microwave Cable Assembly, SMPM Jack End Option

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Series: LL095
Description: 95 GHZ, Nitrowave™ High-Performance Microwave Cable Assembly, SMPM Jack End Option

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Series: LL095
Description: 95 GHZ, Nitrowave™ High-Performance Microwave Cable Assembly, SMPM Jack End Option

Test Setup Information

Scope:

Provide standing wave ratio, return loss and insertion loss performance parameters for LL095 high frequency RF cable assembly with SMPM Jack End Option.

Instrument Setup & Test Accessories:

Network Analyzer	Keysight PNA N5227B
Averaging Factor	1
Smoothing	Off
IF Bandwidth	1 KHz
Sweep Start	10 MHz
Sweep End	65 GHz
Points	6500
Test Cables	Gore 0F0CACB036.0-LF(DC to 67 GHz)

Calibration Type:

A Keysight calibration is performed for N5227B using the Keysight ECAL N4694D kit.

Calibration Kit	Keysight ECAL N4694D

Adapter Use:

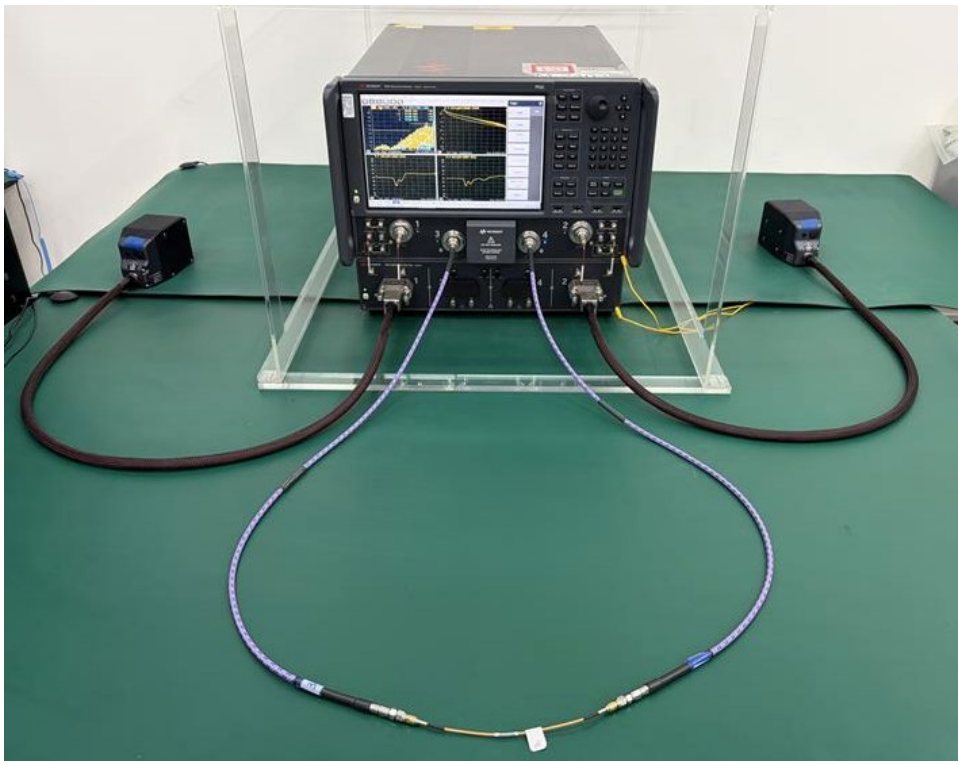
SMPM adapters Samtec (PRFBA-SMPM-J-185-J-S-1) were used for the measurement. The adapter effects were removed from the measurement using the PNA's Fixture Removal method.

Series: LL095
Description: 95 GHZ, Nitrowave™ High-Performance Microwave Cable Assembly, SMPM Jack End Option

LL095-MXSJ-MXSJ-XXXX Test Definition

Part Number	End 1	End 2
LL095-MTSJ-MTSJ-0152	SMPM Threaded Jack	SMPM Threaded Jack
LL095-M0SJ-M0SJ-1000	SMPM Jack	SMPM Jack

Cable Under Test:

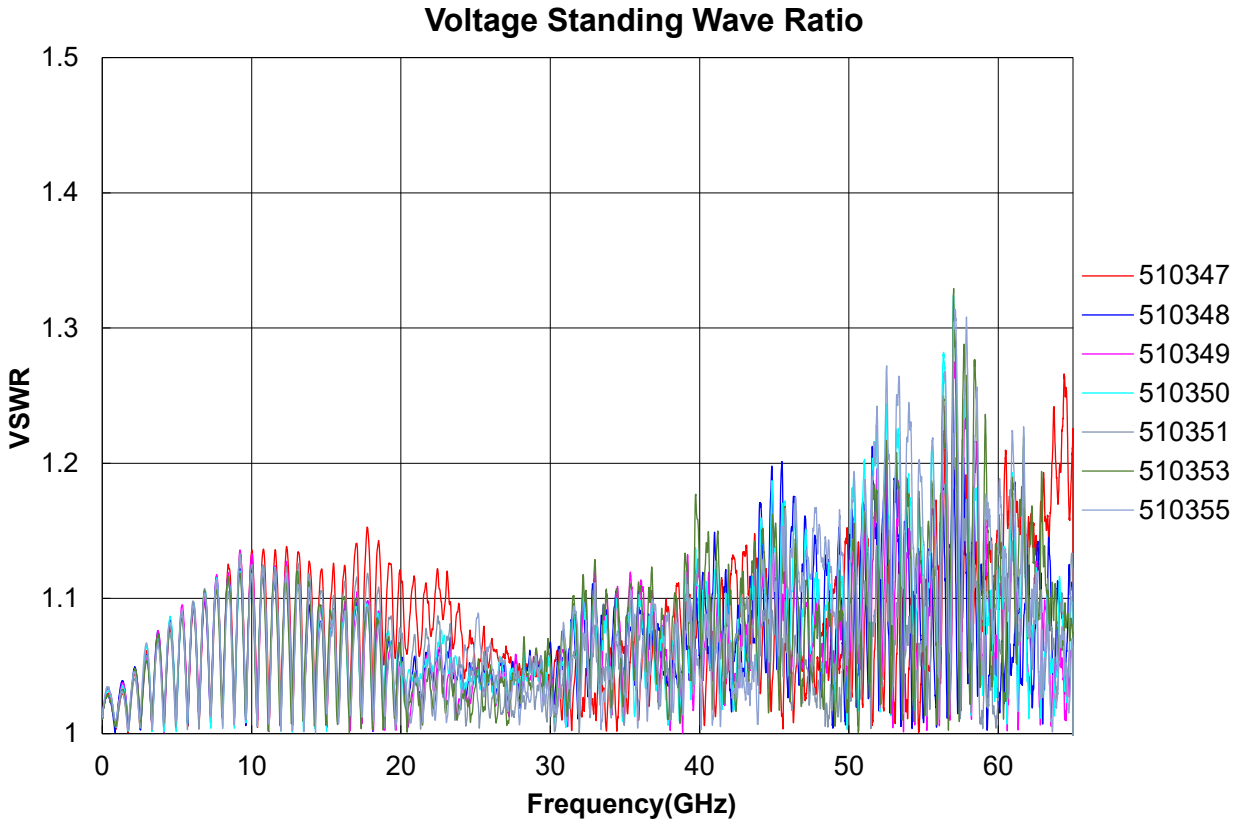


Series: LL095
Description: 95 GHZ, Nitrowave™ High-Performance Microwave Cable Assembly, SMPM Jack End Option

Results: LL095-MTSJ-MTSJ-0152

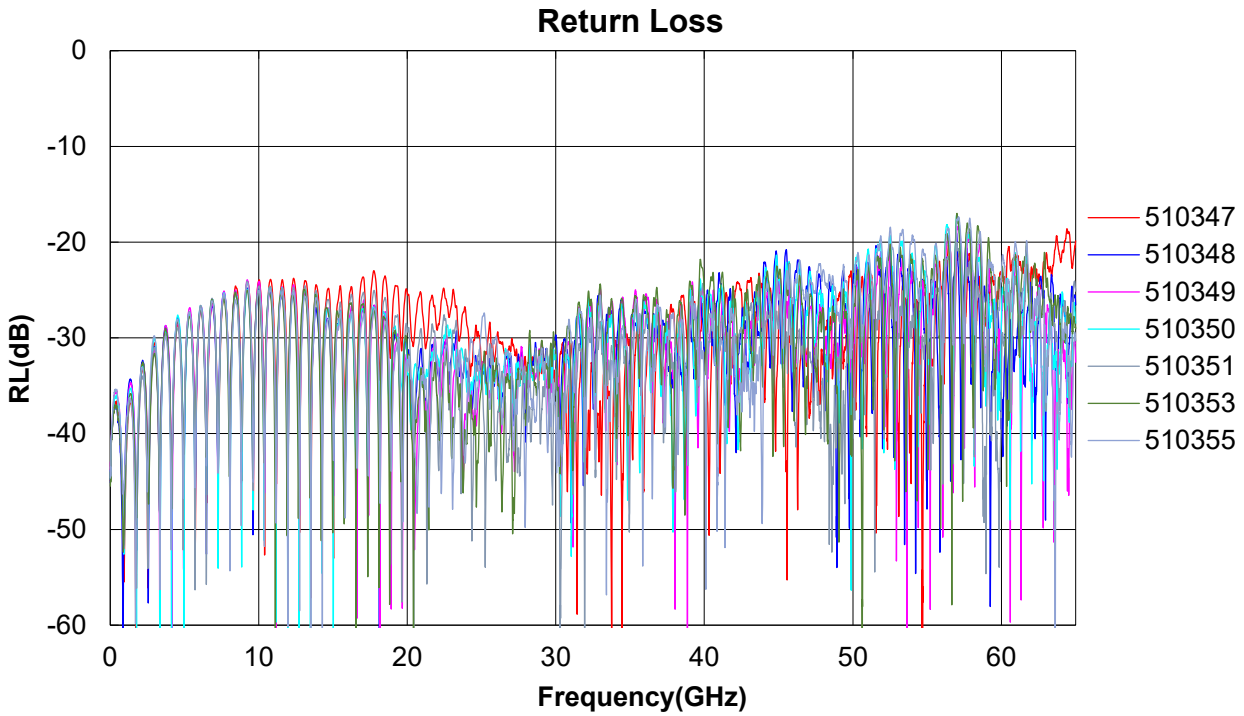
Description: LL095 High Frequency RF Cable Assembly			
Sample	**VSWR(max)**	**RL (dB, max)**	**IL(dB, min)**
510347	1.27@64.41GHz	-18.60@64.41GHz	-1.84@64.35GHz
510348	1.25@59.97GHz	-19.04@59.97GHz	-1.59@63.96GHz
510349	1.27@57.03GHz	-18.35@57.03GHz	-1.68@64.69GHz
510350	1.32@56.99GHz	-17.11@56.99GHz	-1.60@63.97GHz
510351	1.22@57.01GHz	-20.01@57.01GHz	-1.66@64.21GHz
510353	1.33@57.01GHz	-16.99@57.01GHz	-1.53@64.69GHz
510355	1.31@57.10GHz	-17.35@57.10GHz	-1.78@64.69GHz

VSWR

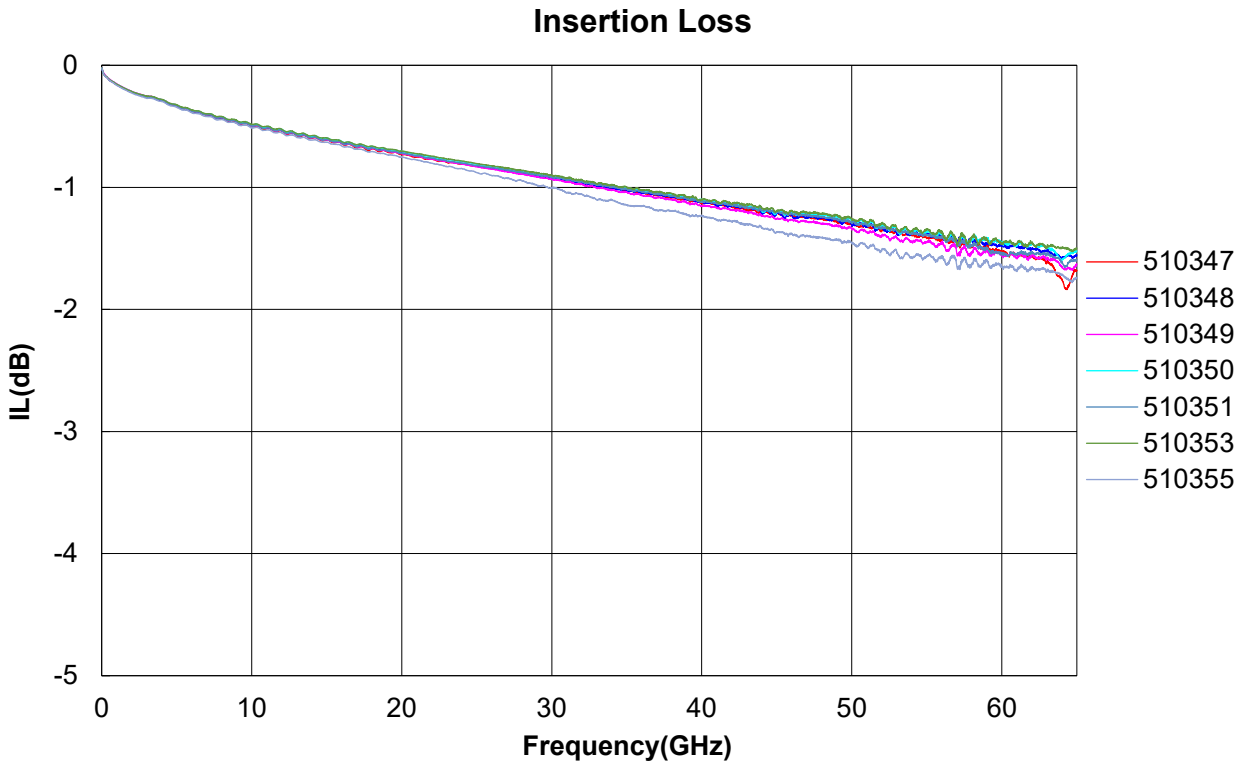


Series: LL095
Description: 95 GHZ, Nitrowave™ High-Performance Microwave Cable Assembly, SMPM Jack End Option

Return Loss



Insertion Loss

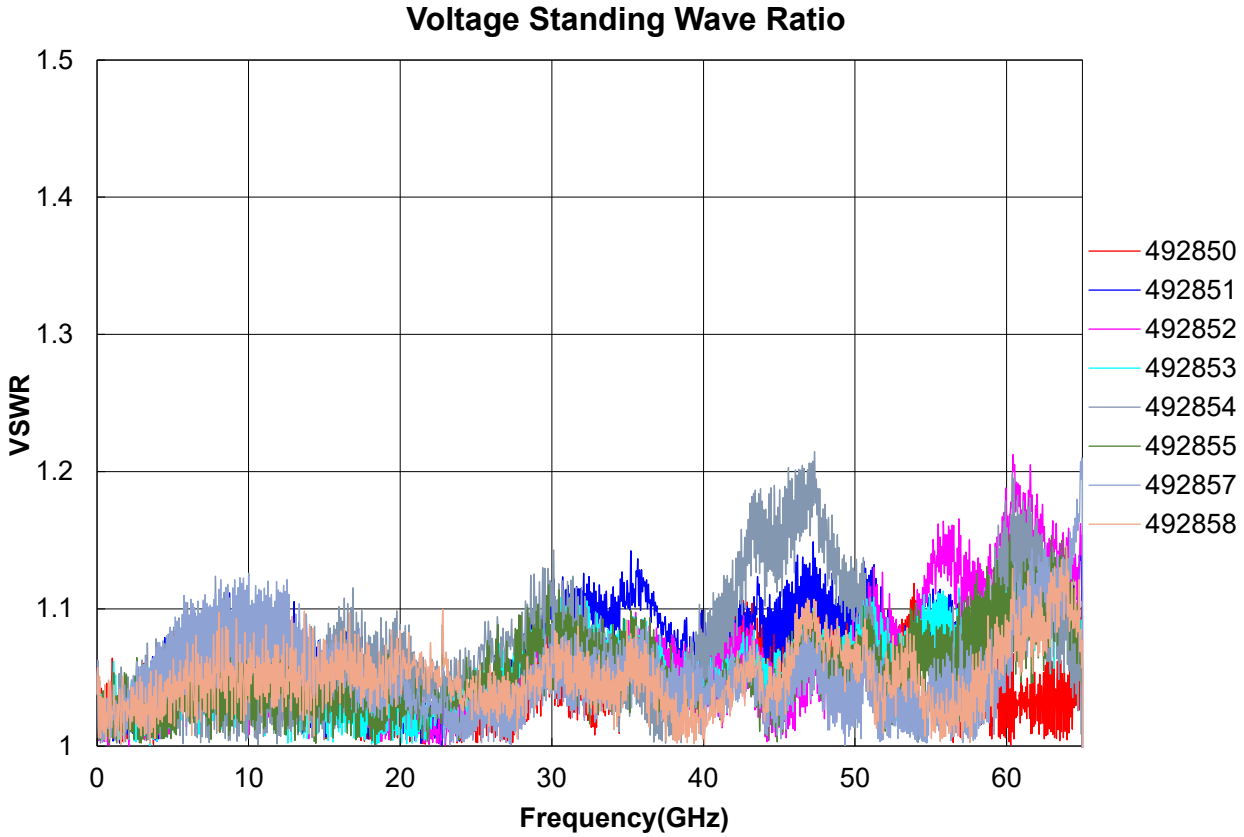


Series: LL095
Description: 95 GHZ, Nitrowave™ High-Performance Microwave Cable Assembly, SMPM Jack End Option

Results: LL095-M0SJ-M0SJ-1000

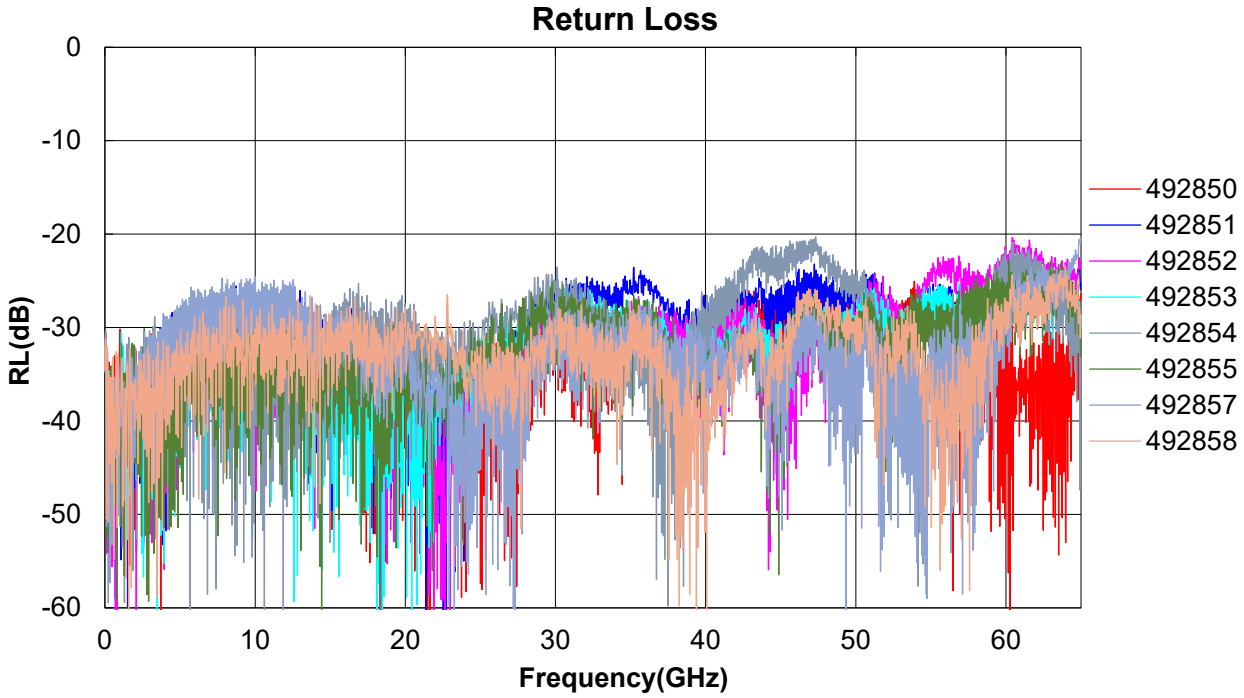
Description: LL095 High Frequency RF Cable Assembly			
Sample	**VSWR(max)**	**RL (dB, max)**	**IL(dB, min)**
492850	1.13@47.24GHz	-24.43@47.24GHz	-8.23@64.78GHz
492851	1.17@60.43GHz	-22.24@60.43GHz	-8.20@64.70GHz
492852	1.21@60.43GHz	-20.35@60.43GHz	-8.00@64.88GHz
492853	1.15@60.42GHz	-23.35@60.42GHz	-8.07@64.69GHz
492854	1.21@47.33GHz	-20.27@47.33GHz	-8.40@64.97GHz
492855	1.15@60.20GHz	-22.90@60.20GHz	-8.09@64.70GHz
492857	1.21@64.97GHz	-20.45@64.97GHz	-8.03@64.98GHz
492858	1.15@63.95GHz	-23.36@63.95GHz	-8.21@64.77GHz

VSWR



Series: LL095
Description: 95 GHZ, Nitrowave™ High-Performance Microwave Cable Assembly, SMPM Jack End Option

Return Loss



Insertion Loss

