

Microwave Farm's W402 Series are **Low PIM** flexible RF cable assemblies for commercial market. They have excellent **passive Intermodulation of -160 dBc** and achieve velocity propagation of 70 %. W402 Series have excellent RF performance up to 6 GHz according to various types of connectors such as SMA, N-type, respectively.

### ■ Features

- Passive Intermodulation (Max.) : -160 dBc
- Center Conductor : Silver plated Copper Wire
- Dielectric Core : PTFE
- Jacket : FEP
- Connector : Brass with Ternary Alloy plated



### ■ Specification

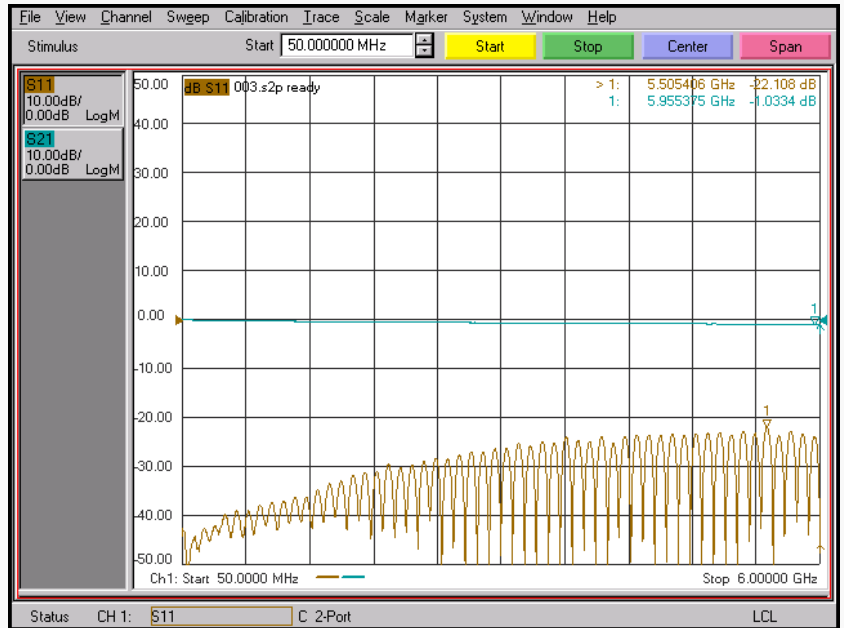
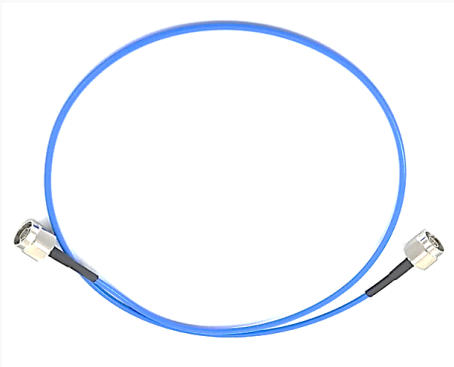
Scope	Specification	MFW402
Physical	Center Conductor	0.93
	Dielectric	3.00
	Outer Shield	3.52
	Jacket	4.10
Electrical	Impedance (Ohm)	50
	Operation Freq.(GHz)	6
	Velocity of propagation( %)	70
	Capacitance (pF/m)	95.1
	Shielding Effectiveness (dB)	100
Mechanical & Environmental	Attenuation(dB/m)	0.27 @ 0.5 GHz 0.39 @ 1.0 GHz 0.73 @ 3.0 GHz 1.10 @ 6.0 GHz
	Weight (g/M)	37
	Operation Temperature	-50~ +125℃

## ■ Test Result

### MFW402 cable Assembly

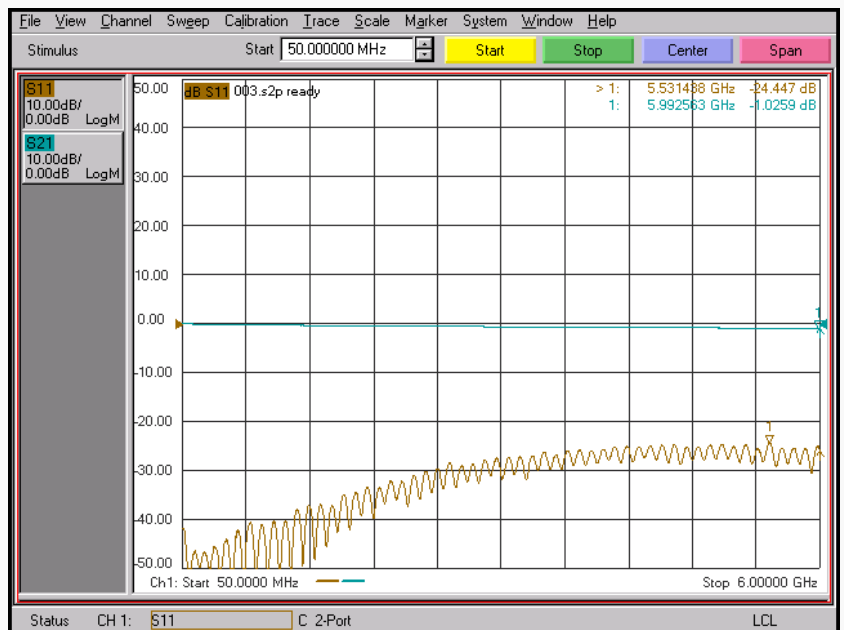
#### Part No: MFW402-NM1NM1-1M

- Frequency : DC to 6 GHz
- Connector : N-type (Male)
- Cable Length : 1 meter



#### Part No: MFW402-NM1SM1-1M

- Frequency : DC to 6 GHz
- Connector : N(Male),SMA(Male)
- Cable Length : 1 meter

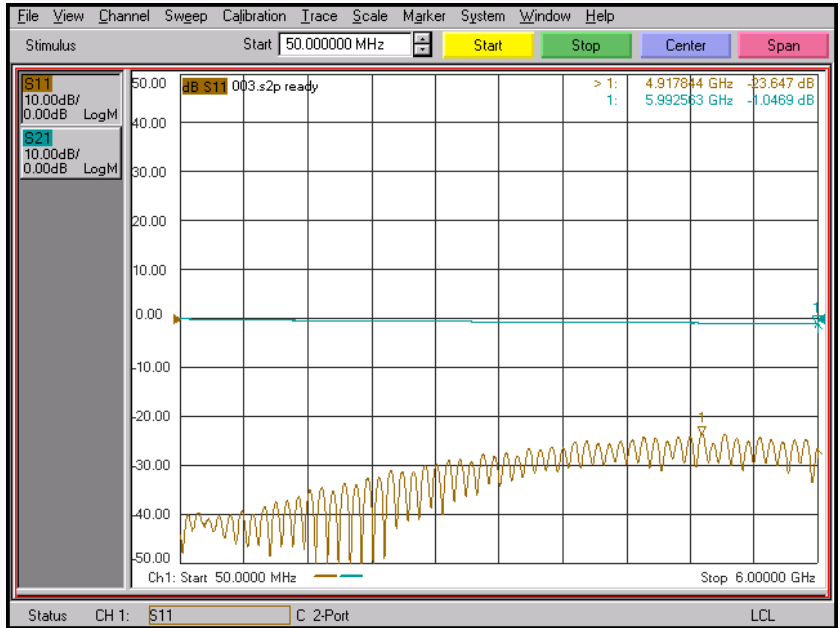
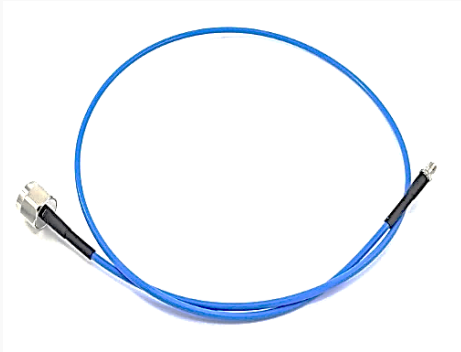


## ■ Test Result

### MFW402 cable Assembly

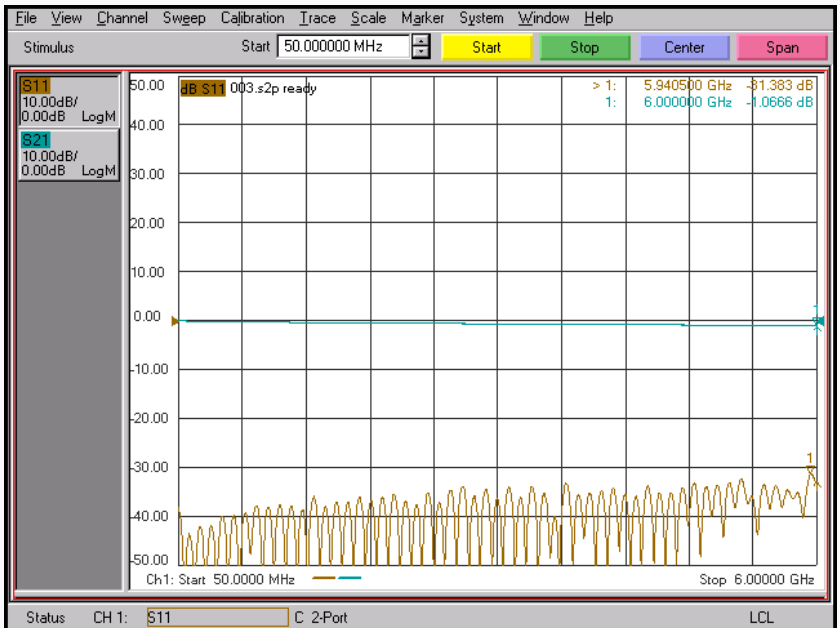
#### Part No: MFW402-NM1SF1-1M

- Frequency : DC to 6 GHz
- Connector : N(Male)  
SMA(Female)
- Cable Length : 1 meter



#### Part No: MFW402-SM1SM1-1M

- Frequency : DC to 6 GHz
- Connector : SMA(Male)
- Cable Length : 1 meter

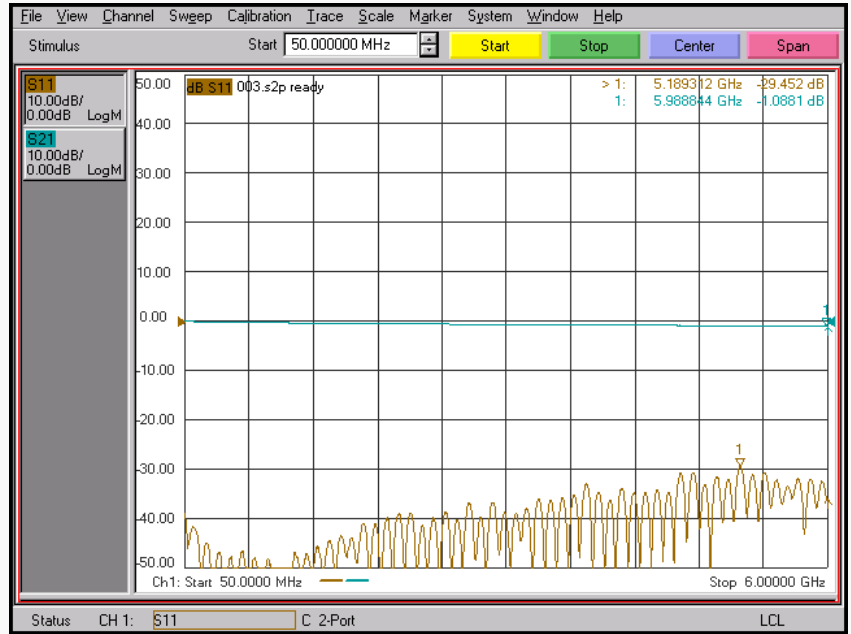


## ■ Test Result

### MFW402 cable Assembly

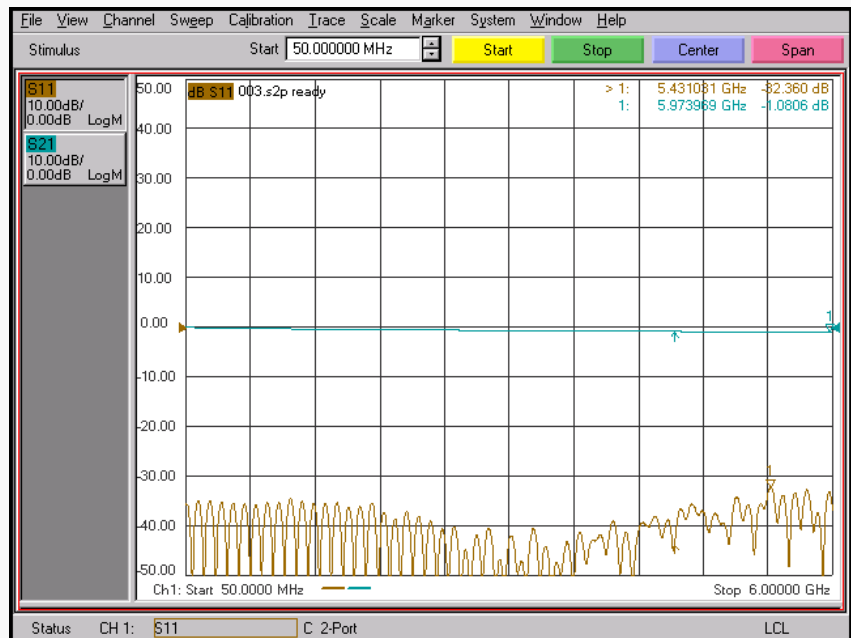
#### Part No: MFW402-SF1SF1-1M

- Frequency : DC to 6 GHz
- Connector : SMA(Female)
- Cable Length : 1 meter



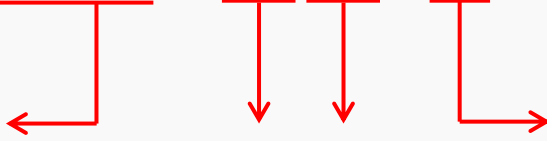
#### Part No: MFW402-SM1SF1-1M

- Frequency : DC to 6 GHz
- Connector : SMA(Male)  
SMA(Female)
- Cable Length : 1 meter



## ■ Selection Guide

**MFW402 – SM1SM1 – 1M**



**Cable Type**

MW402

**Connector Type**

SM1 : SMA(M)  
SF1 : SMA(F)  
NM1 : N-type(M)

**Cable Length**

Unit : Meter

