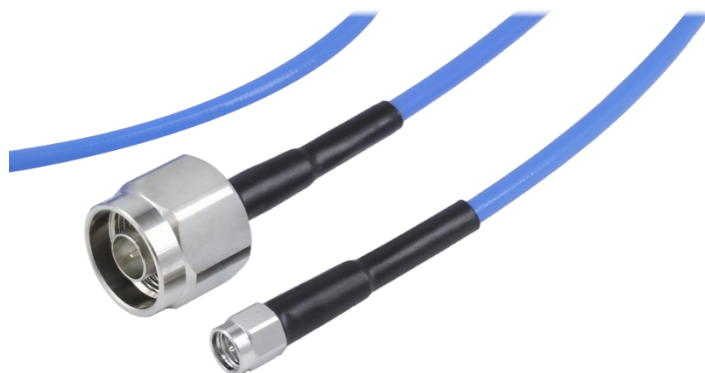


**Withwave's W402 Series** are **Low PIM** flexible RF cable assemblies for commercial market. They have excellent **passive Intermodulation of -160 dBc** and achieve velocity propagation of 70 %. **W402 Series** have excellent RF performance up to 6 GHz according to various types of connectors such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

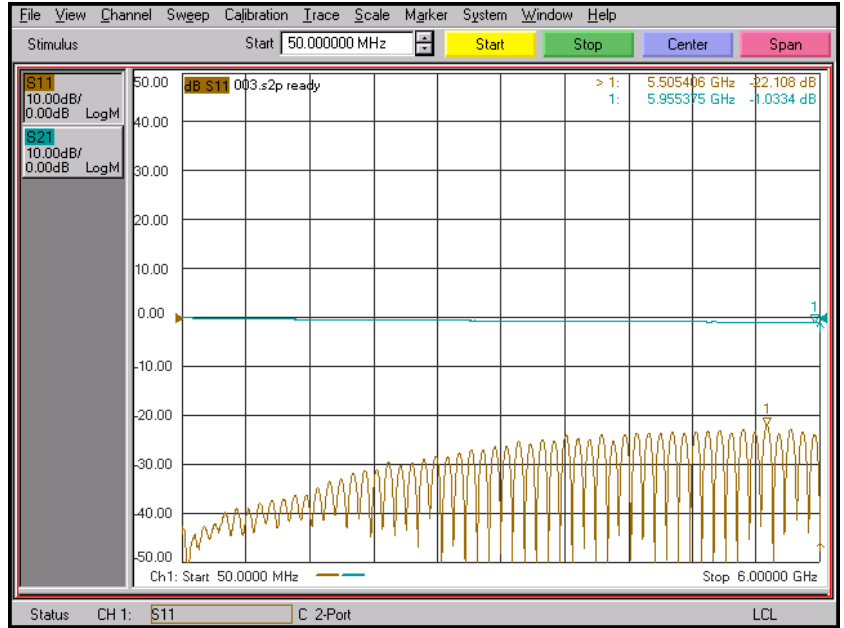
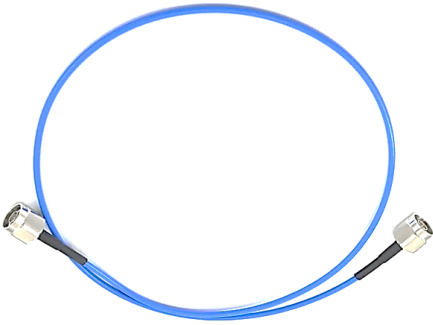
Scope	Specification	W402
Physical	Center Conductor	0.93
	Dielectric	3.00
	Outer Shield	3.52
	Jacket	4.10
Electrical	Impedance (Ohm)	50
	Operation Freq.(GHz)	6
	Velocity of propagation( %)	70
	Capacitance (pF/m)	95.1
	Shielding Effectiveness (dB)	100
Mechanical & Environmental	Attenuation(dB/m)	0.27 @ 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°C

## ■ Test Result

### W402 cable Assembly

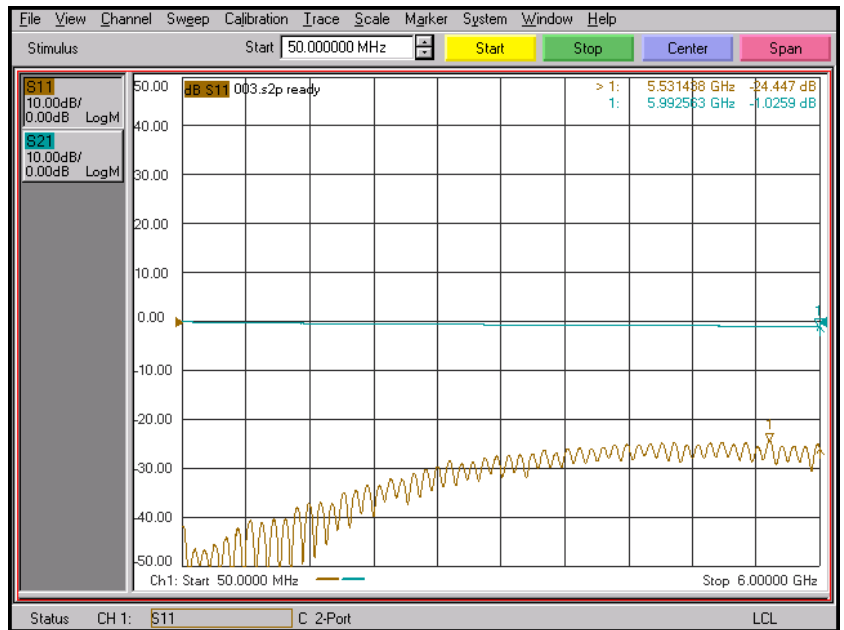
#### Part No: W402-NM1NM1-1M

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



#### Part No: W402-NM1SM1-1M

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

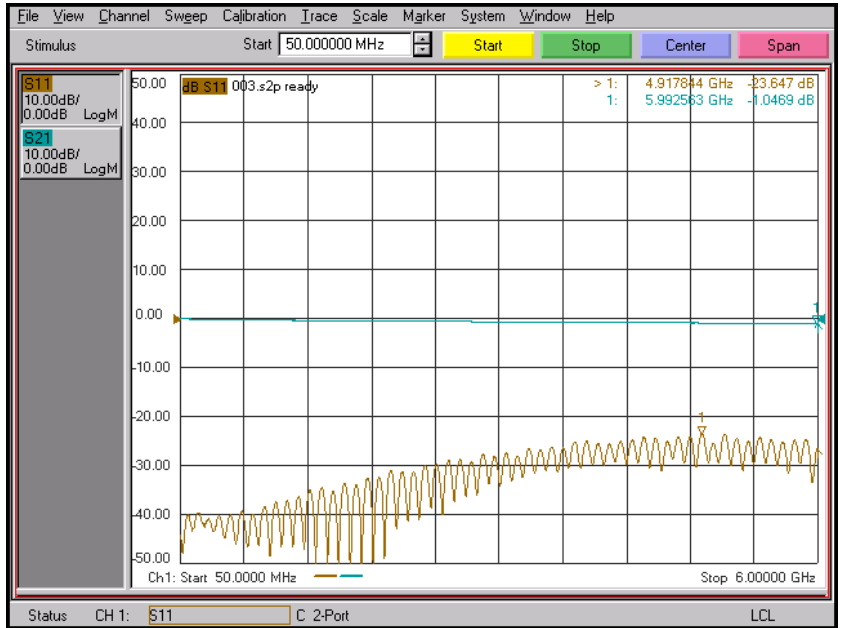
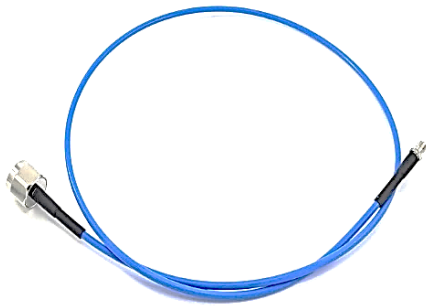


■ **Test Result**

**W402 cable Assembly**

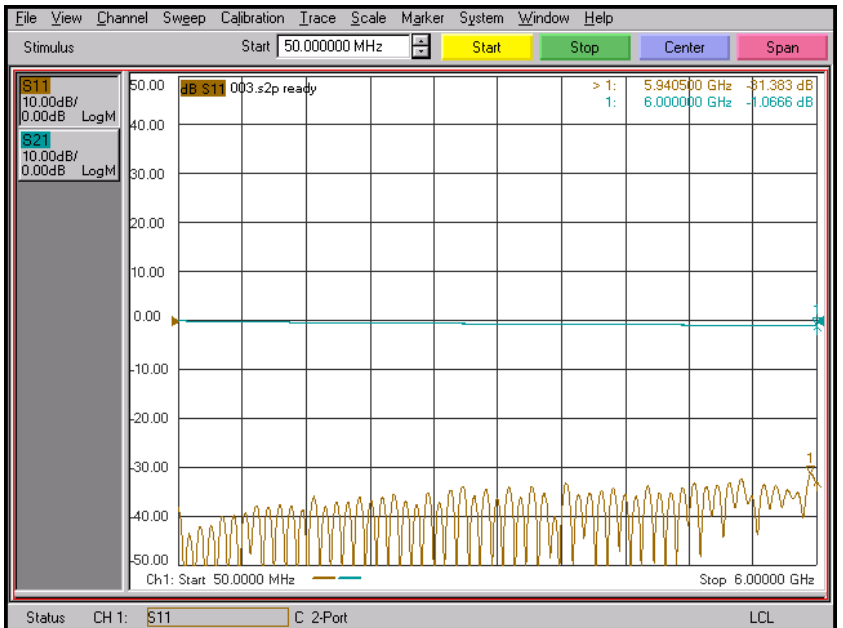
**Part No: W402-NM1SF1-1M**

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



**Part No: W402-SM1SM1-1M**

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

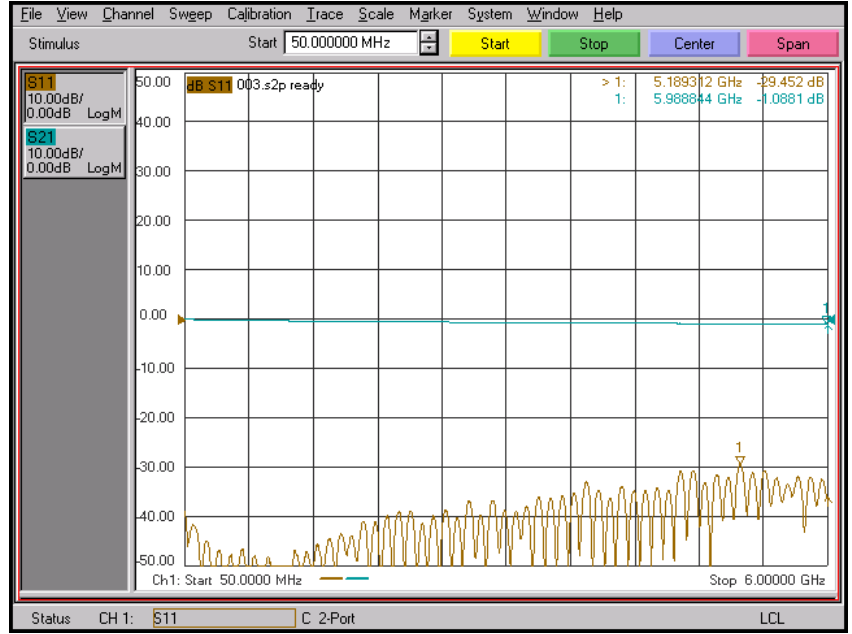
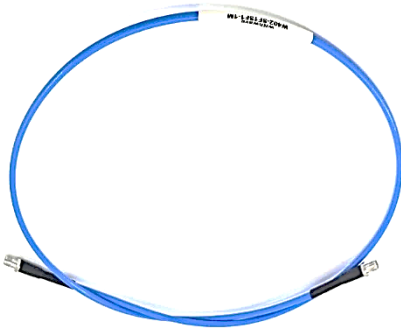


■ **Test Result**

**W402 cable Assembly**

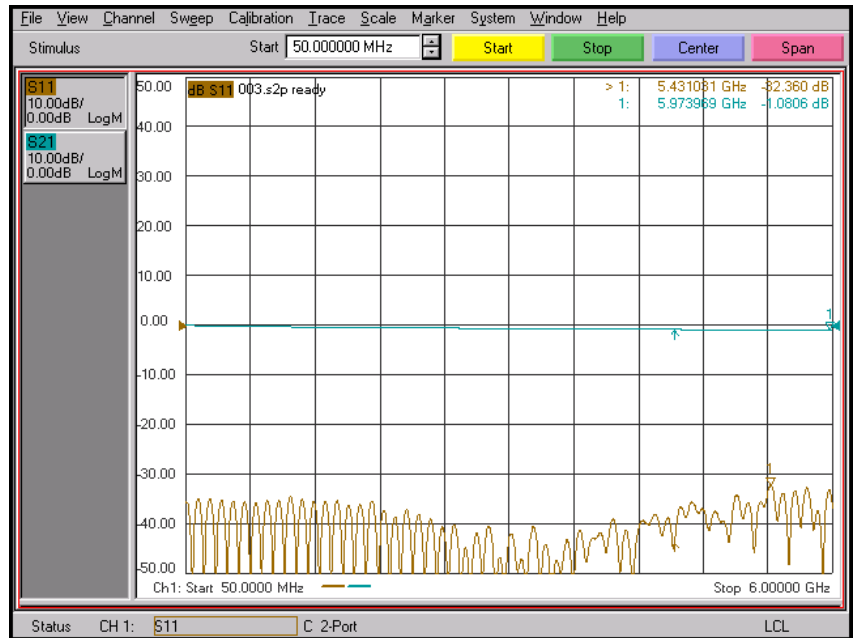
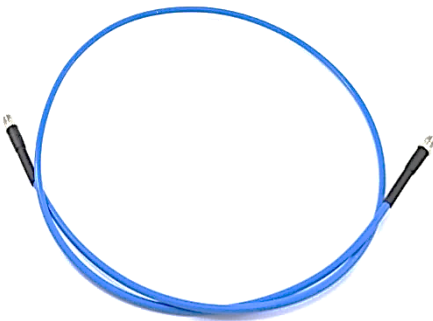
**Part No: W402-SF1SF1-1M**

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



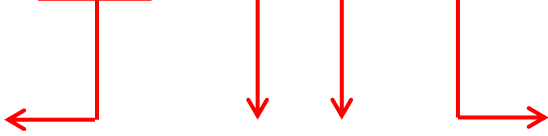
**Part No: W402-SM1SF1-1M**

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



■ **Selection Guide**

**W402 - SM1SM1 - 1M**



<u>Cable Type</u>	<u>Connector Type</u>	<u>Cable Length</u>
W402	SM1 : SMA(M) SF1 : SMA(F) NM1 : N-type(M)	Unit : Meter



**N-Type (Male)**



**SMA(Male)**



**SMA(Female)**