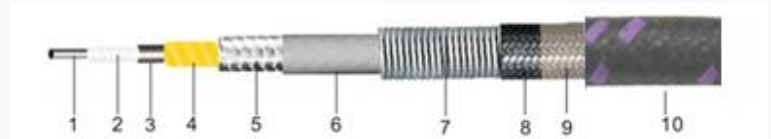
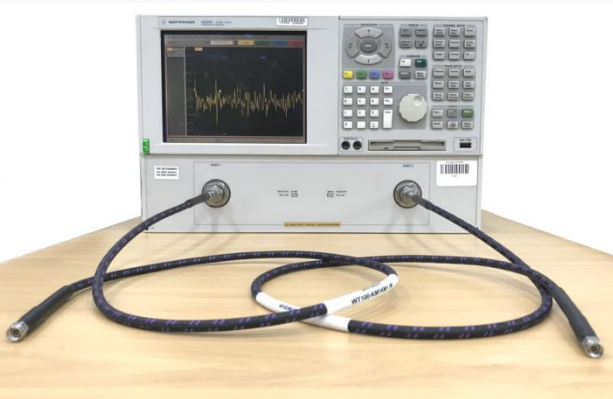


TM  
**MFW-Test Cable Assemblies** are complete line of high precision flexible microwave cable assemblies, specially for stable phase testing. These *series* are designed by excellent microwave interconnection technologies and have **good phase and amplitude stability**. The **40, 50 & 67 GHz** cable assemblies are claimed to have excellent insertion loss, high phase/amplitude stability in relation to temperature.



■ **Features**



1. Center Conductor : Silver Plated Copper
2. Dielectric core : LD PTFE
3. Outer Conductor : Silver Plated Copper Ribbon
4. Stable Layer : PTFE
5. Inner Braiding : SPC
6. Jacket : FEP
7. Crush Protection Layer
8. Braiding
9. PTFE Stable Gum.
10. Braided Outer Jacket

■ **Specification**

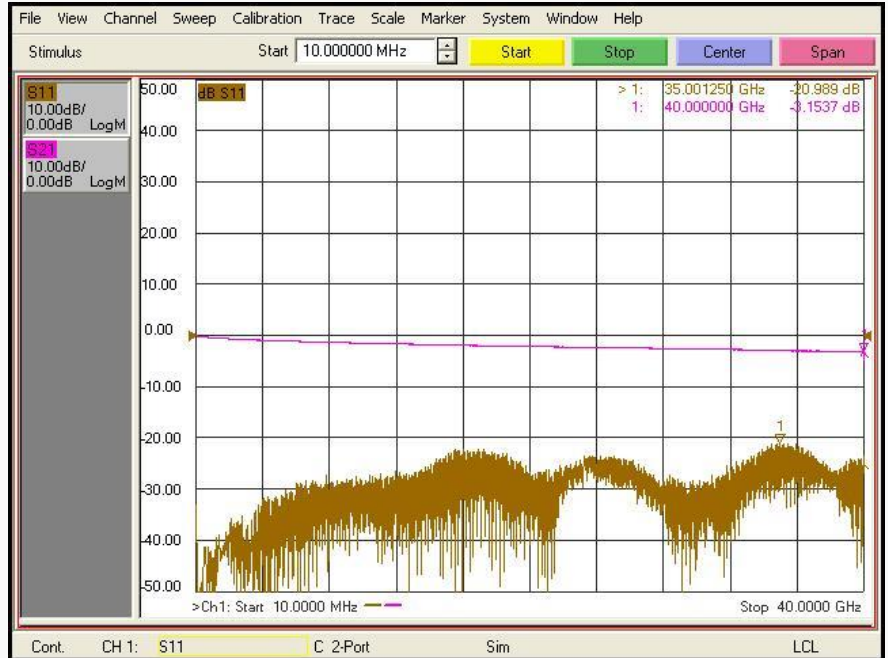
Scope	Specification	MFWT100	MFWT200	MFWT300
Electrical	Impedance(Ohm)		50	
	Operation Freq.(GHz)	40	50	67
	VSWR(Max)	1.3	1.3	1.3
	Amplitude stability (dB)*	<+/- 0.03	<+/- 0.05	<+/- 0.1
	Phase stability (degree)*	<+/- 3.0	<+/- 5.0	<+/- 5.0
	Attenuation (dB/M)	2.9 @ 40 GHz	3.6 @ 50 GHz	6.9 @ 67 GHz
Physical	Velocity of propagation(%)		76	
	Bending radius(Min)		20 mm	
	Connector	2.92 mm	2.4 mm	1.85 mm
	Cable Diameter(mm)		6.4	
Environmental	Operating Temperature (degree)		- 55 to +125	

\* Cable (length : 1 meter) was wrapped 360 degree around Φ 40 mm mandrel

■ **Test Result**

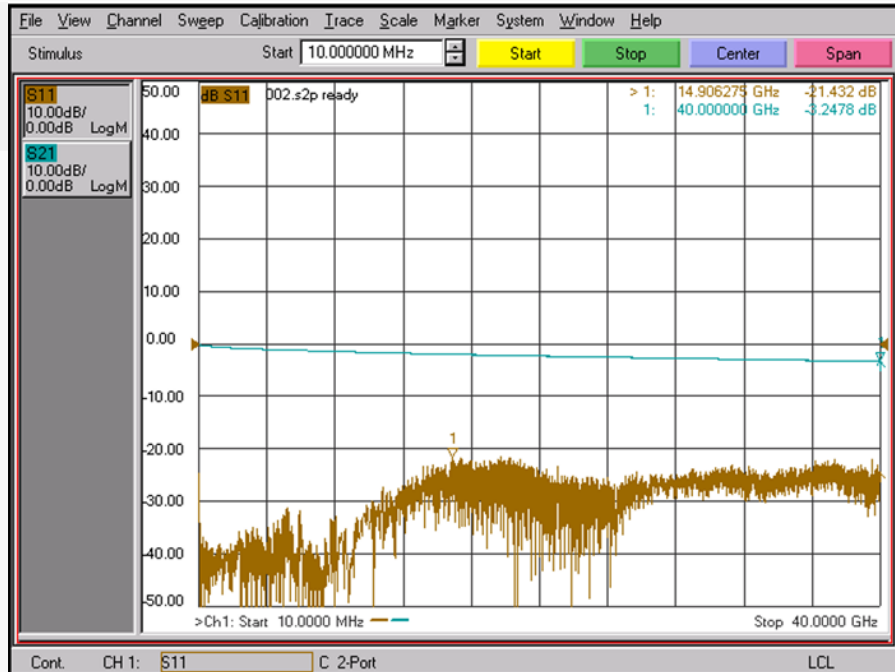
**Part No. : MFWT100-KM1KM1-1M**

- Frequency : DC to 40 GHz
- Connector : 2.92 mm (Male)
- Cable Length : 1 meter



**Part No. : MFWT100-KF1KF1-1M**

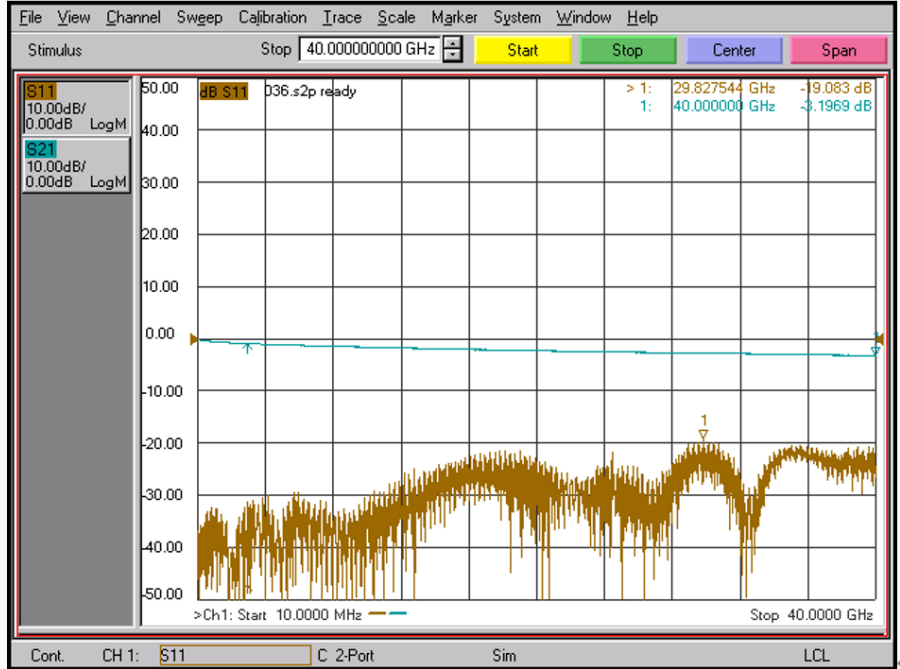
- Frequency : DC to 40 GHz
- Connector : 2.92 mm (Female)
- Cable Length : 1 meter



## ■ Test Result

### Part No. : MFWT100-2M1KM1-1M

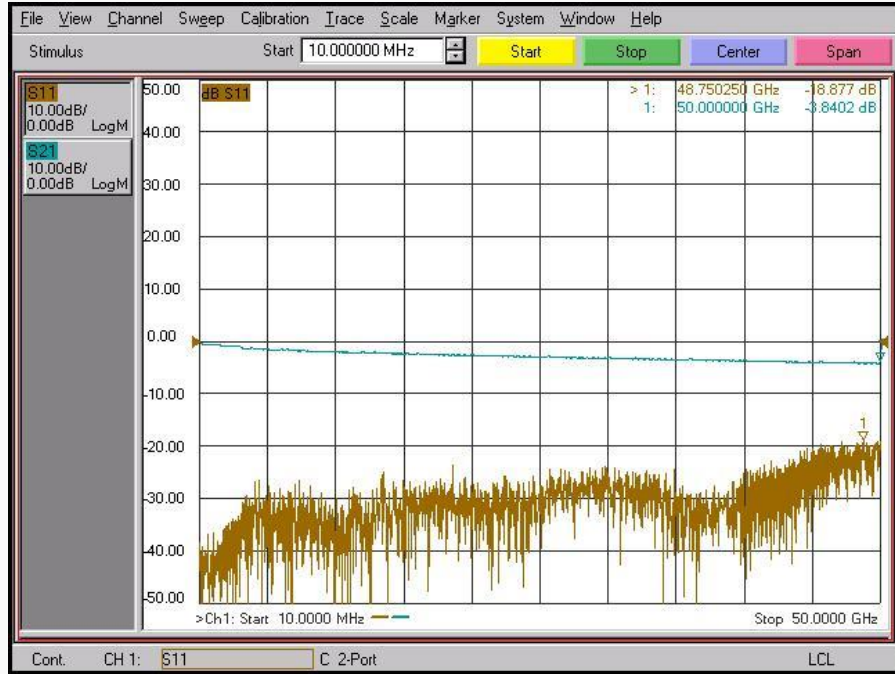
- Frequency : DC to 40 GHz
- Connector : 2.4 mm (Male),  
2.92 mm (Male)
- Cable Length : 1 meter



■ **Test Result**

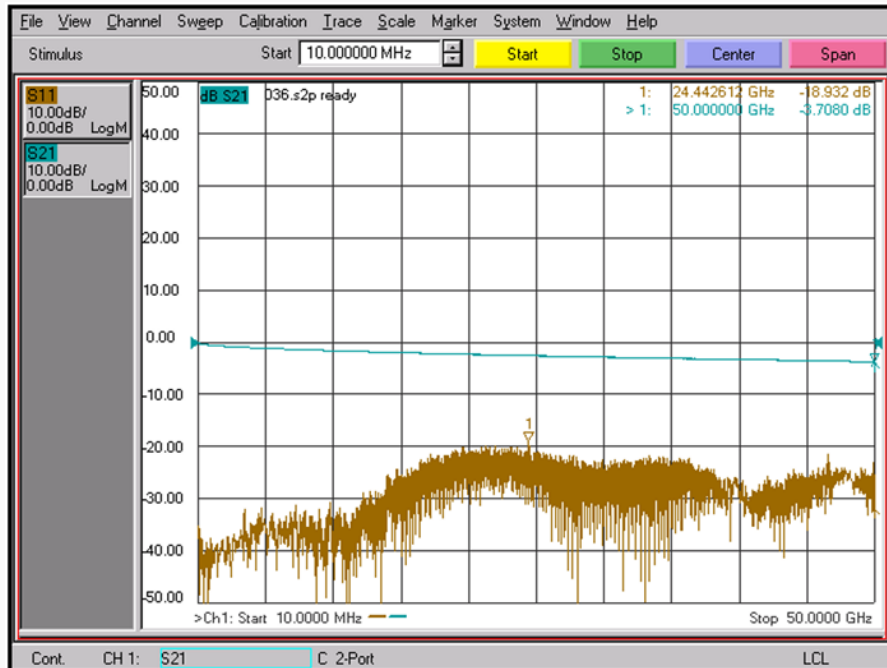
**Part No. : MFWT200-2M12M1-1M**

- Frequency : DC to 50 GHz
- Connector : 2.4 mm (Male)
- Cable Length : 1 meter



**Part No. : MFWT200-2F12F1-1M**

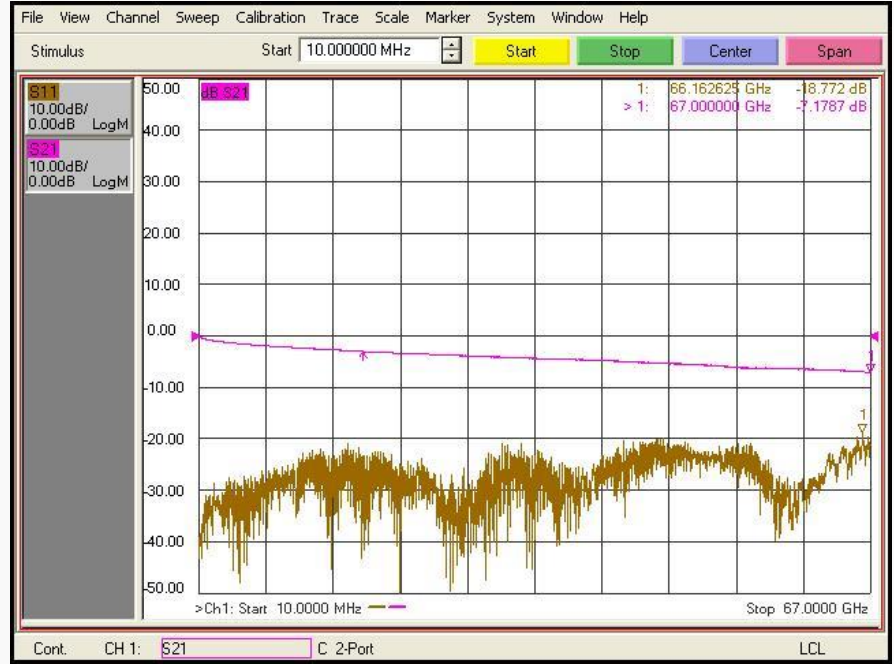
- Frequency : DC to 50 GHz
- Connector : 2.4 mm (Female)
- Cable Length : 1 meter



## ■ Test Result

### Part No. : MFWT300-VM1VM1-1M

- Frequency : DC to 67 GHz
- Connector : 1.85 mm (Male)
- Cable Length : 1 meter



■ **Selection Guide**

**MFWT100 – KM1KM1 – 1M**



**Cable Type**

MFWT100 (40 GHz)  
MFWT200 (50 GHz)  
MFWT300 (67 GHz)

**Connector Type**

KM1 : 2.92 mm Male  
KF1 : 2.92 mm Female  
2M1 : 2.4 mm Male  
2F1 : 2.4 mm Female  
VM1 : 1.85 mm Male  
VF1 : 1.85 mm Female

**Cable Length**

Unit : Meter

