芝程科技有限公司
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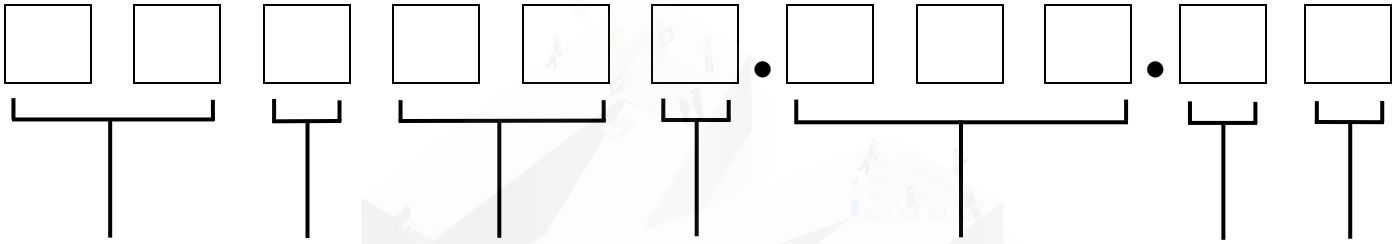
STANDARD COAXIAL CABLE ASSEMBLIES

MVE standard coaxial cable can provide not only inexpensive cost but also a lot of variety models to meet your needs. The overall diameter of flexible series is including, 2.59mm(RG316) , 2.93mm(RG316 Double Shielding), 0.085inch(F085/SS405), 0.141inch(F141/SS402); Semi-flex series are including: 0.085 inch(SF085/RG405), 0.141inch(SF141/RG402); Semi-rigid series are including: 0.034inch(SR034), 0.047 inch(SR047);0.085 inch(SR085); 0.141inch (SR141). In the meantime, MVE can offer customized services and support the optimization of cable assembly. With MVE service, customize product to let user easy to install. MVE is aimed to provide a wide range of performance coaxial cable for various demands.



No	Conn. A/B
10	1.85mm-M
11	1.85mm-F
12	2.4mm-M
13	2.4mm-F
14	2.9mm-M
15	2.9mm-F
16	3.5mm-M
17	3.5mm-F
18	APC7-M
19	APC7-F
20	BNC-M
21	BNC-F
22	MCX-M
23	MCX-F
24	MMCX-M
25	MMCX-F
26	N-M
27	N-F
28	SMA-M
29	SMA-F
30	SSMA-M
31	SSMA-F
32	TNC-M
33	TNC-F
34	MHF202781-M

No	Conn. A/B
35	75ΩBNC-M
36	75ΩBNC -F
37	MHF20311-M
38	75ΩF-M
39	75ΩF-F
40	MHF20367-M
41	MHF20448-M
42	75ΩN-M
43	75ΩN-F
44	75ΩSMB-M
45	75ΩSMB-F
46	MS147-M
47	MM8430-M
48	SMP-F
49	MHF20428-M
50	SMB-F
51	SMB-M
52	UHF-F
53	UHF-M
54	Fakra SMB-M
55	Fakra SMB-F
56	MM8030-M
57	7/16DIN-M
58	MS180-M
59	MS162-M

No	Conn. A/B
60	CRC9-M
61	MS162-M
62	SSMCX-M
63	SMPM-M
64	FAKRA-M
65	TS9A-M
66	MS156C-M
67	MHF20567-M
68	MS156-M
69	MM8930-M
No	**Body Style**
0	Standard
1	Reverse
2	Right angle
3	Quick
4	RP-Right angle
5	RP-Quick
6	Bulkhead
7	Opposite Direction R/A
8	2Hole Flange
9	RP-Bulkhead
A	Quick/No hex
B	4Hole Flange

No	Coaxial Cables ©
6	RG-6(U)
58	RG58(U)
59	RG59
081	Mini-coaxial 0.81mm
113	Mini-coaxial 1.13mm
137	Mini-coaxial 1.37mm
142	RG-142
174	RG-174
178	RG-178
214	RG-214
316	RG-316
316D	RG-316 Doubt Shield
400	RG-400
F085	SS405
F141	SS402
SF085	RG405
SF141	RG402
SF085JB	RG405(Blue Jacket)
SF141JB	RG402(Blue Jacket)
SPF085	SFL405
SPF141	SFL402
SR034	Semi-rigid 034
SR047	Semi-rigid 047
SR085	Semi-rigid RG405
SR141	Semi-rigid RG402
200LL	200LL,LMR200
400LL	400L,CFD400,LMR400
600LL	600LL,LMR600
2CS	AWG28 x2C
3CS	AWG28 x3C

Code(D)	A	B	C
Tube Type	Brass Tubing	Double Heat-shrink Tubing	Rigid Glued Tubing

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COAXIAL CABLE

1.37mm(Black)

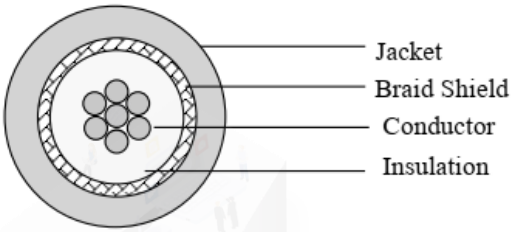
MCBL-137.50

Features

✓Frequency up to 6 GHz

✓ Low signal attenuation

✓ Convenient assembly



Specifications

CONSTRUCTION		
ITEM	MATERIAL	DIAMETER
CENTER CONDUCTOR	Silver-Coated Copper	0.31 mm
INSULATION	FEP	0.92 ± 0.03 mm
BRAID SHIELD (Coverage:95%)	Tinned-Coated Copper	1.15 ± 0.05 mm
JACKET	FEP	1.37 ±0.05mm

ELECTRICAL DATA	
ITEM	SPECIFICATION
OPERATING FREQUENCY	6GHz
BEDNING RADIUS	9mm Min.(Static)
CAPACITANCE	96 pF/M ± 3pF/M
DIELECTRICE STRENGTH	AC 1KV/Minute
NOM. VEL. OF PROP.	69%
OPETATING TEMP.	-60 ~ + 200℃
BRAID SHIELD COVERAGE	95%

MAXIMUM ATTENUATION	
FREQUENCY	ATTENUATION dB/1M
2.0GHz	2.2
2.4GHZ	2.6
3.0GHz	2.8
4.0GHz	3.4
5.0GHz	3.8
6.0GHz	4.3

NOTES:
1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
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RoHS

Cable Assembly Part Number

MVE PART NUMBER	CONNECTOR 1	CONNECTOR 2	XX- LENGTH (cm)	FREQUENCY (GHz)	VSWR (TYP.)
240280.137.XX	MMCX Male S/T	SMA Male S/T	30, 40, 50, 60, 80	6.0	1.30
240290.137.XX	MMCX Male S/T	SMA Female S/T	30, 40, 50, 60, 80	6.0	1.30
242280.137.XX	MMCX Male R/A	SMA Male S/T	30, 40, 50, 60, 80	6.0	1.35
242296.137.XX	MMCX Male R/A	SMA Female B.H	30, 40, 50, 60, 80	6.0	1.35
280280.137.XX	SMA Male S/T	SMA Male S/T	30, 40, 50, 60, 80	6.0	1.30
280282.137.XX	SMA Male S/T	SMA Male R/A	30, 40, 50, 60, 100	6.0	1.35
280282.137.XX(H)	SMA Male S/T	SMA Male R/A	30, 40, 50, 60, 100	8.0	1.50
280SXX.137.XX	SMA Male S/T	Stripped(mm)	30, 40, 50, 60, 100	6.0	-
282292H.137.XX	SMA Male R/A	SMA Female 2 Hole	30, 40, 50, 60, 100	8.0	1.50
290290.137.XX	SMA Female	SMA Female	30, 40, 50, 60, 100	6.0	1.30
290SXX.137.XX	SMA Female	Stripped(mm)	30, 40, 50, 60, 100	6.0	-
296SXX.137.XX	SMA Female B.H	Stripped(mm)	30, 40, 50, 60, 100	6.0	-
342280.137.XX	MHF(20351-112R)	SMA Male S/T	30, 40, 50, 60, 100	6.0	1.50
342280.137.XX(H)	MHF(20351-112R)	SMA Male S/T	30, 40, 50, 60, 100	8.0	1.50
342282.137.XX	MHF(20351-112R)	SMA Male R/A	30, 40, 50, 60, 100	6.0	1.50
342282.137.XX(H)	MHF(20351-112R)	SMA Male R/A	30, 40, 50, 60, 100	8.0	1.50
342291.137.XX	MHF(20351-112R)	SMA Female Reverse	30, 40, 50, 60, 100	6.0	1.50
342296.137.XX	MHF(20351-112R)	SMA Female B.H	30, 40, 50, 60, 100	6.0	1.50
342296.137.XX(H)	MHF(20351-112R)	SMA Female B.H	30, 40, 50, 60, 100	8.0	1.50
342299.137.XX	MHF(20351-112R)	SMA Female(RP) B.H	30, 40, 50, 60, 100	6.0	1.50
342299.137.XX(H)	MHF(20351-112R)	SMA Female(RP) B.H	30, 40, 50, 60, 100	8.0	
342342.137.(H)	MHF(20351-112R)	MHF(20351-112R)	30, 40, 50, 60, 100	8.0	1.50
342412L.137.XX	MHF(20351-112R)	MHF4L(20632-112R)	30, 40, 50, 60, 100	8.0	1.90
342C280.137.XX	MHF1	SMA Male S/T	30, 40, 50, 60, 100	6.0	1.50
412L280.137.XX	MHF4L(20632-112R)	SMA Male S/T	30, 40, 50, 60, 100	6.0	1.40
412L280.137.XX(H)	MHF4L(20632-112R)	SMA Male S/T	30, 40, 50, 60, 100	8.0	1.40
412L291.137.XX	MHF4L(20632-112R)	SMA Female Reverse	30, 40, 50, 60, 100	6.0	1.40
412L296.137.XX	MHF4L(20632-112R)	SMA Female B.H	30, 40, 50, 60, 100	6.0	1.40
412L296.137.XX(H)	MHF4L(20632-112R)	SMA Female B.H	30, 40, 50, 60, 100	8.0	1.40
412L299.137.XX(H)	MHF4L(20632-112R)	SMA Female(RP) B.H	30, 40, 50, 60, 100	8.0	1.40

***Definition of Length: " XX "**

Length≦30CM, the length cable is referring to exclude two terminal length of connector.
Length >30CM, the length cable is referring to include two terminal length of connector.

****Definition of Tolerance**

Length ≦10cm: ±0.5cm , Length ≦30cm: ±1.0 cm , Length≦50cm: ±2.0 cm ,
Length ≦100cm: ±2.5 cm, Length ＞101cm: ±3.0cm

*****Estimate of Cable Assembly loss**

Cable assembly loss =Connector loss + Assembly loss + Cable loss
Connector Loss: 0.08 x √Frequency x 2 (2 connectors)
Assembly Loss：0.12 *2(sides)
Cable Loss: per cable attenuation (Max.) * Cable length

NOTES:
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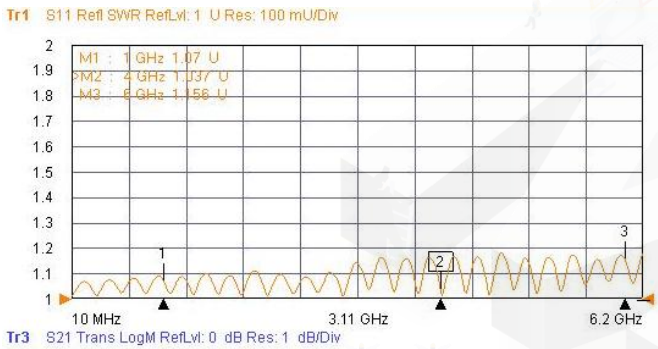
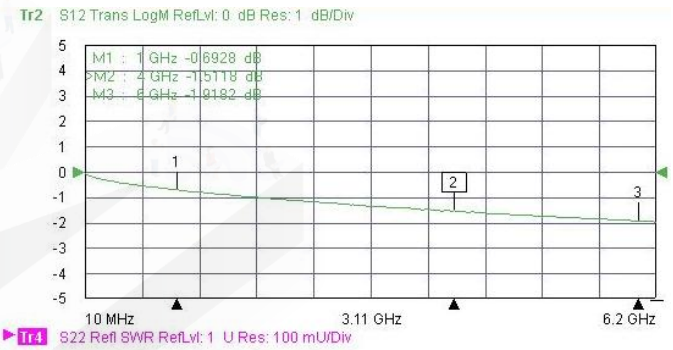
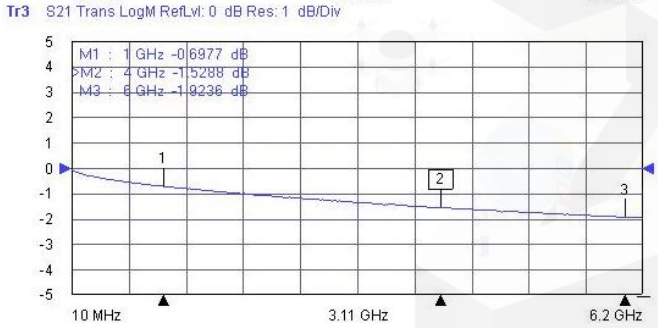
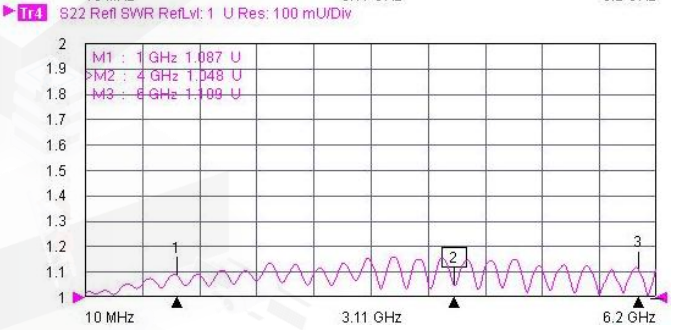
Typical Test Result

PART NUMBER	DESCRIPTION
240280.137.40A	MMCX Male To SMA Male ,1.37 Black/L:40cm



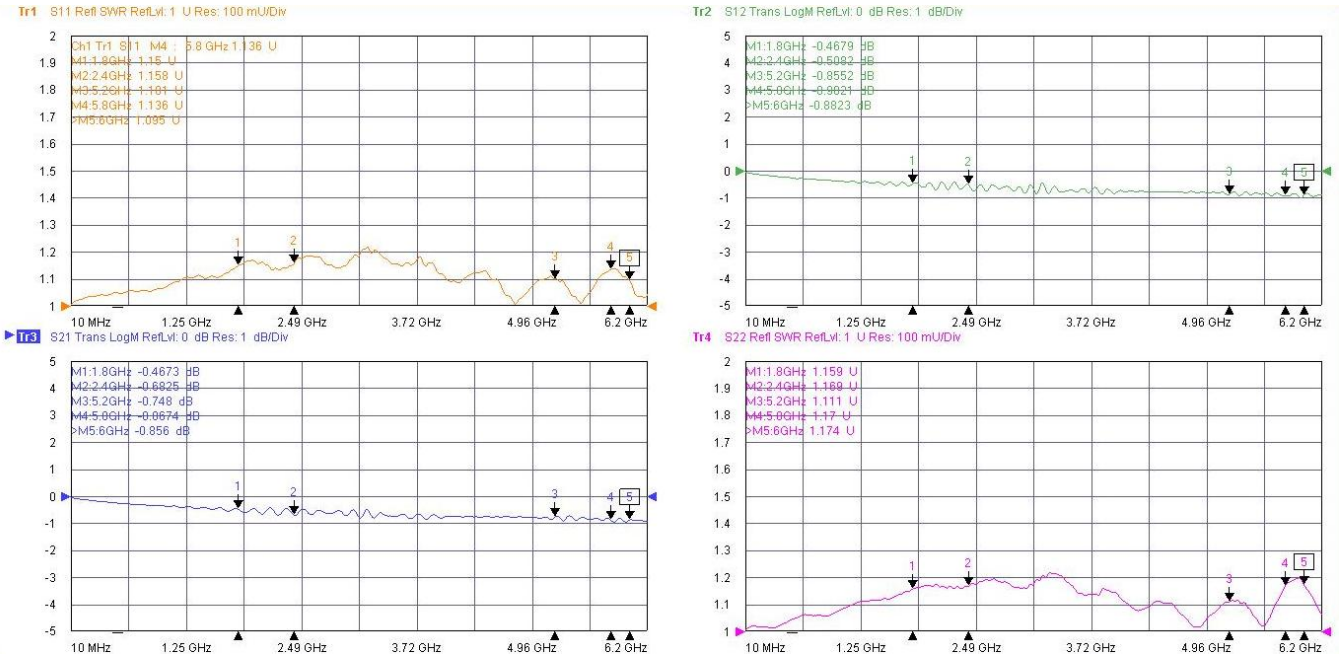






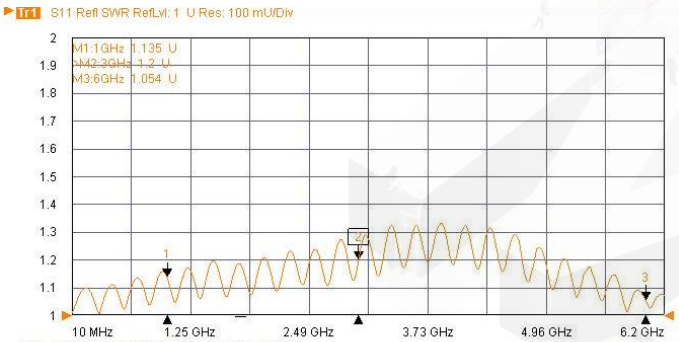
Typical Test Result

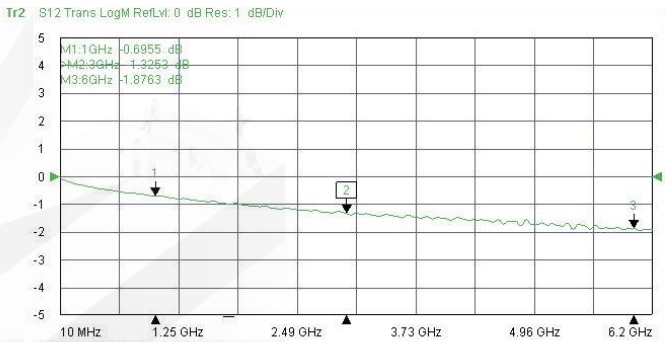
PART NUMBER	DESCRIPTION
240290.137.15A	MMCX Male S/T To SMA Female S/T, 1.37 Black/L:15cm/Brass Tubing

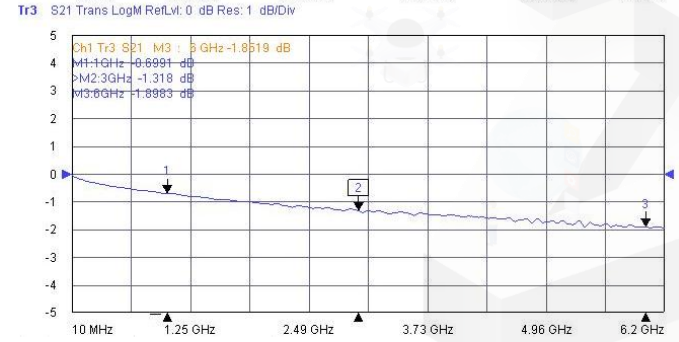


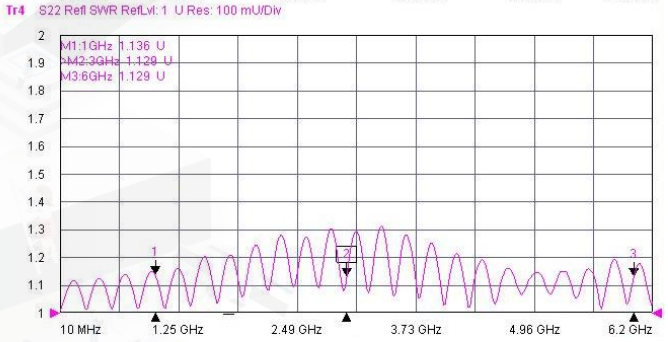
Typical Test Result

PART NUMBER	DESCRIPTION
242280.137.40A	MMCX Male R/A To SMA Male ,1.37 Black/L:40cm



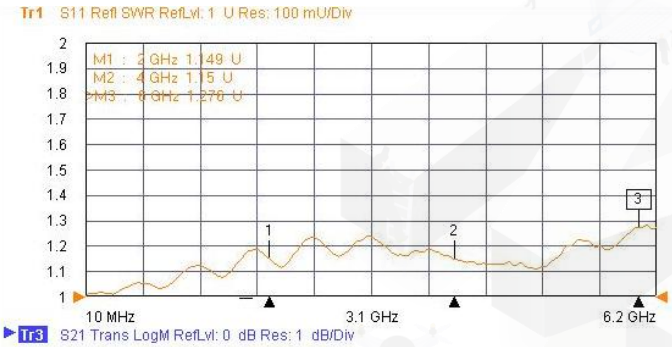


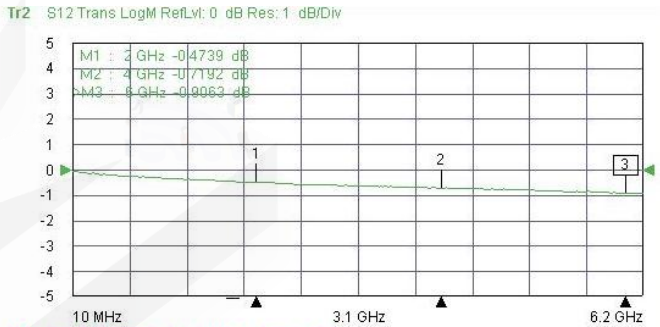


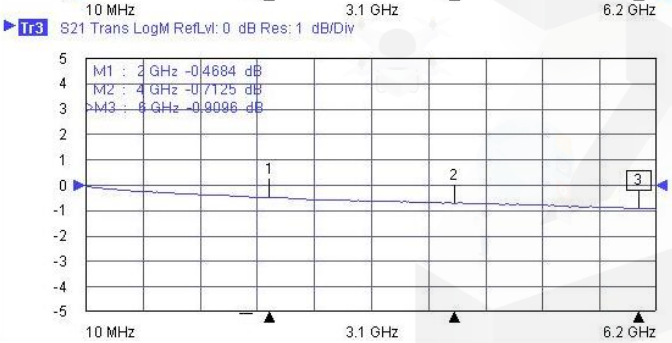


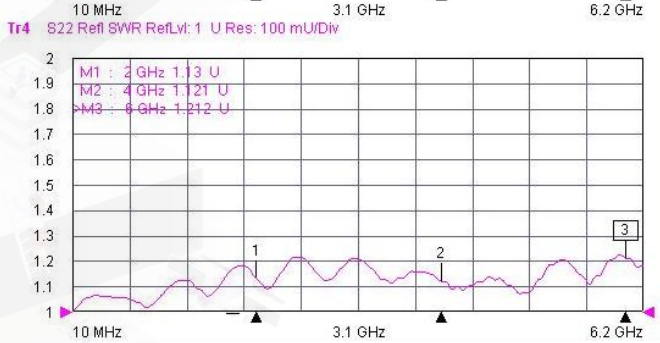
Typical Test Result

PART NUMBER	DESCRIPTION
242296.137.15A	MMCX Male R/A To SMA Female B.H, 1.37mm/L:15cm/Brass Tubing



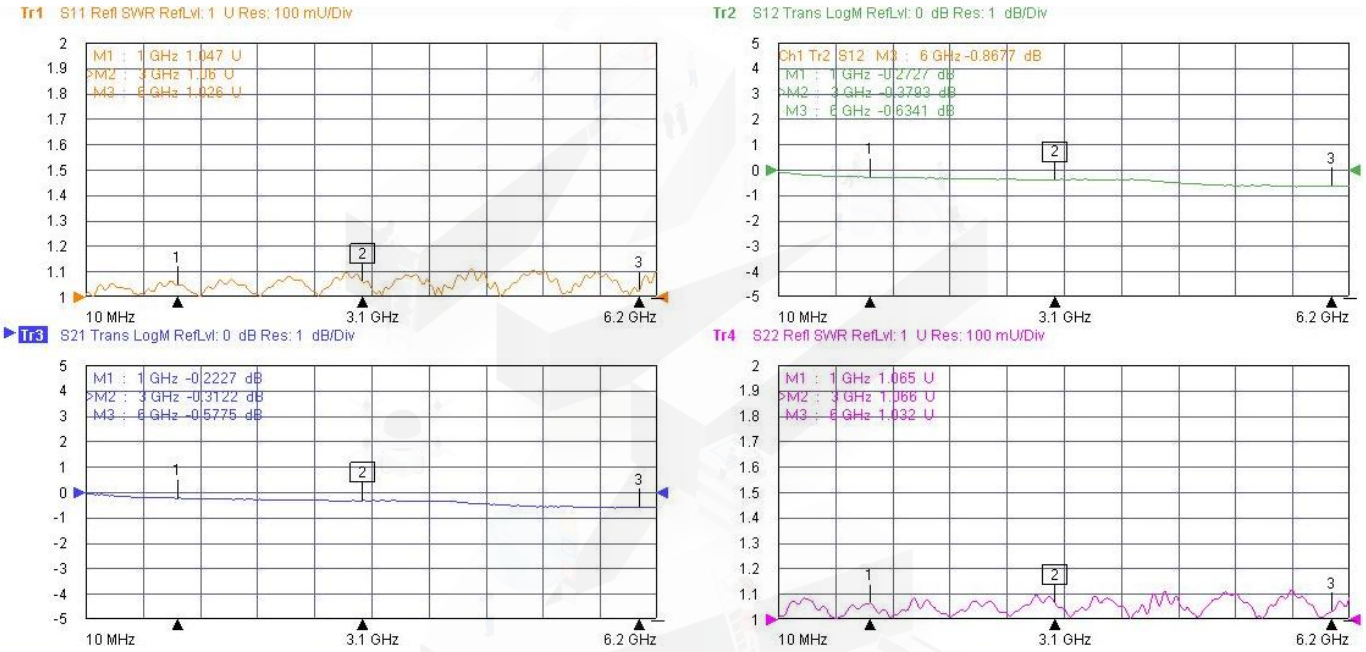






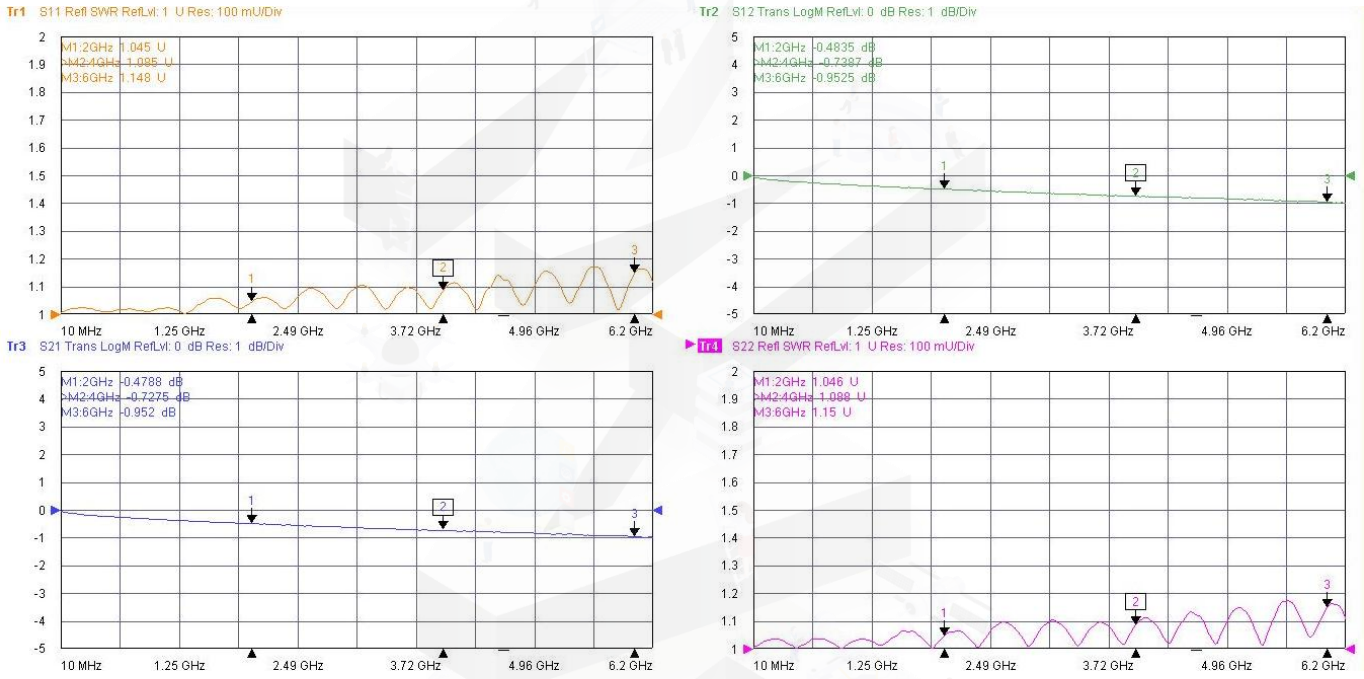
Typical Test Result

PART NUMBER	DESCRIPTION
280280.137.15A	SMA Male To SMA Male, 1.37 Black/L:15cm/Brass Tubing



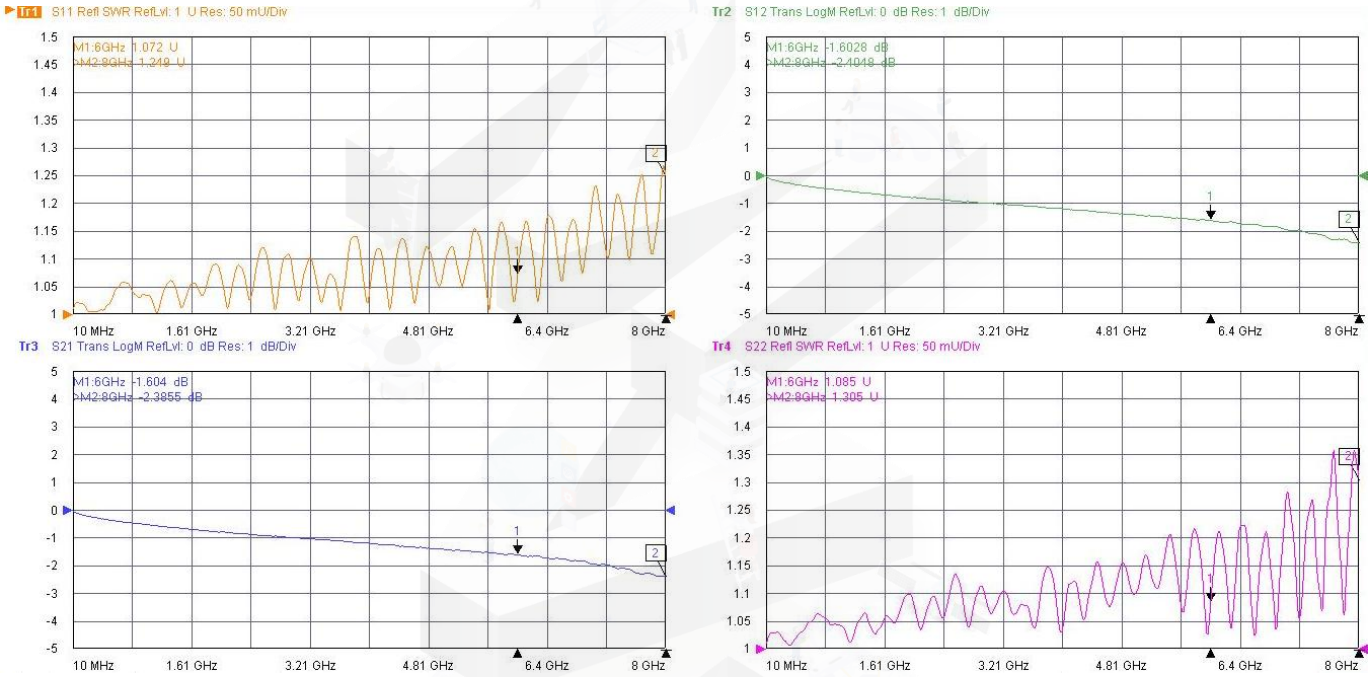
Typical Test Result

PART NUMBER	DESCRIPTION
280282.137.20A	SMA Male To SMA Male R/A, 1.37mm Black/L:20cm/Brass Tubing



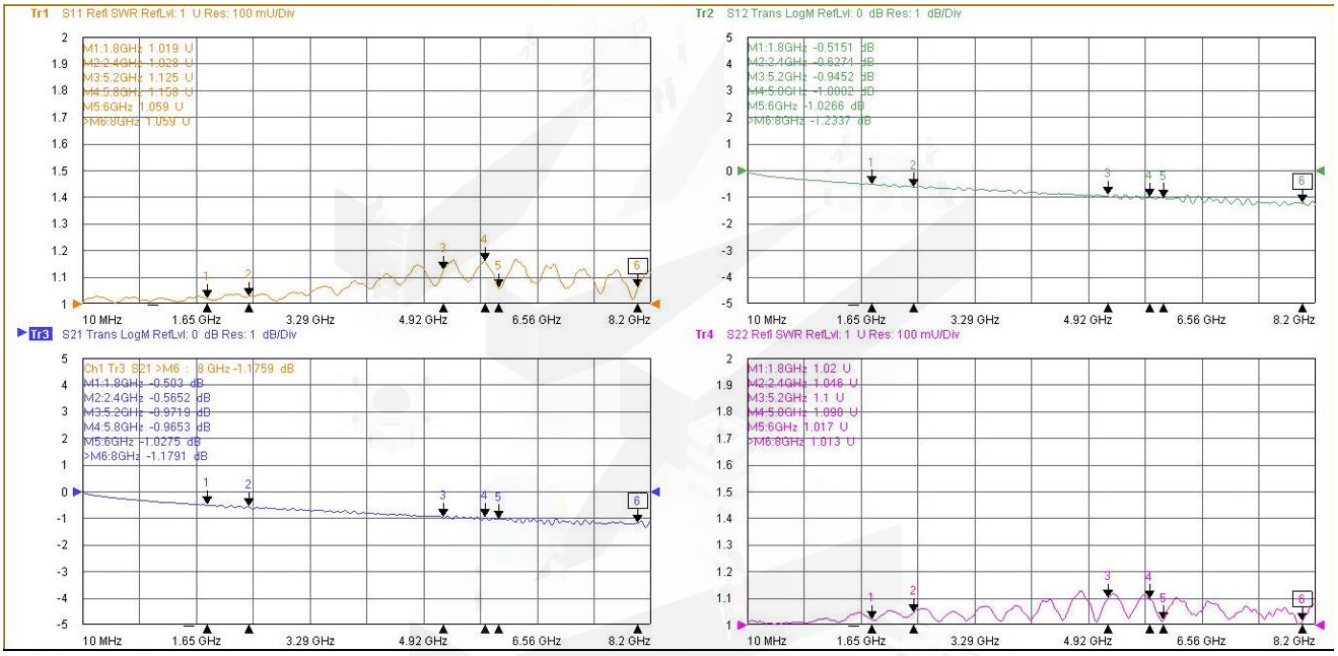
Typical Test Result

PART NUMBER	DESCRIPTION
280282.137.35A(H)	SMA Male To SMA Male R/A, 1.37mm Black/L:35cm/Brass Tubing, DC-8GHz



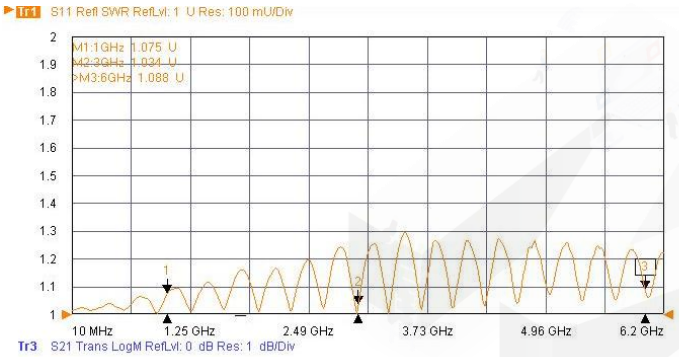
Typical Test Result

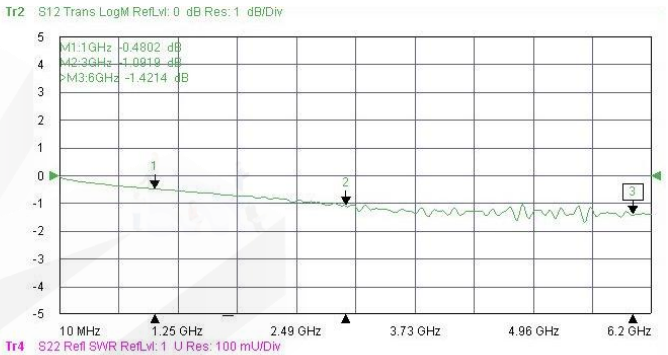
PART NUMBER	DESCRIPTION
290290.137.20	SMA Female To SMA Female, 1.37 Black/L:20cm

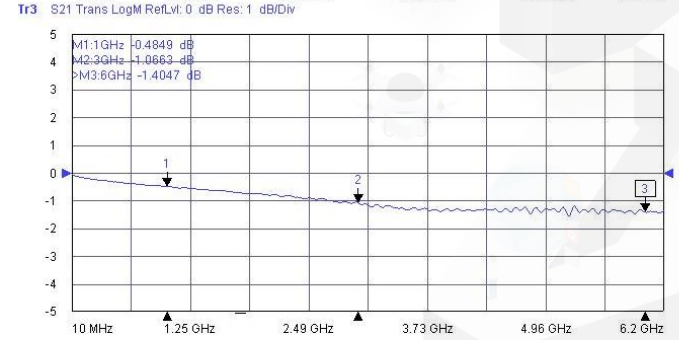


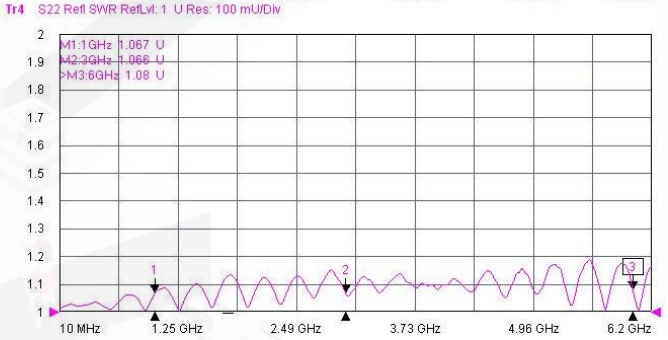
Typical Test Result

PART NUMBER	DESCRIPTION
342280.137.30	MHF 20351-112R To SMA Male, 1.37 Black/L:30cm



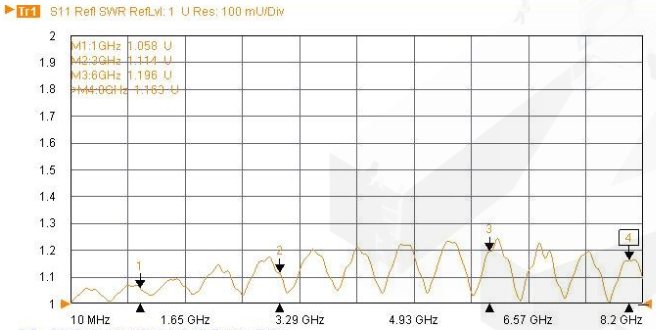


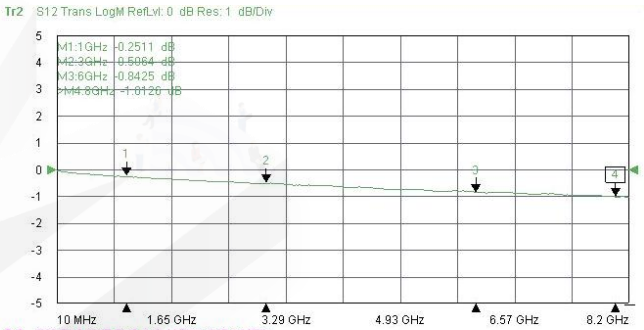


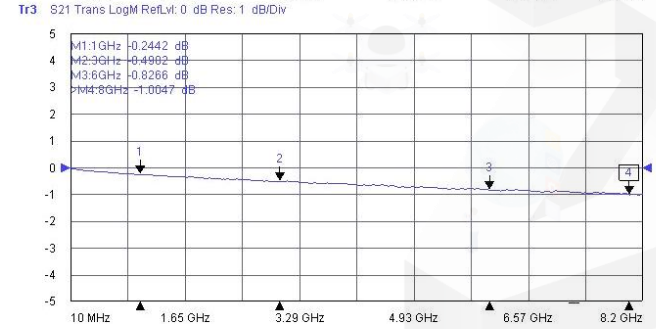


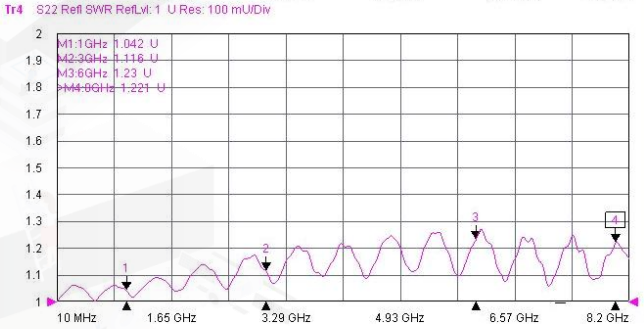
Typical Test Result

PART NUMBER	DESCRIPTION
342280.137.15(H)	MHF 20351-112R To SMA Male, 1.37mm /L:15cm/DC-8GHz



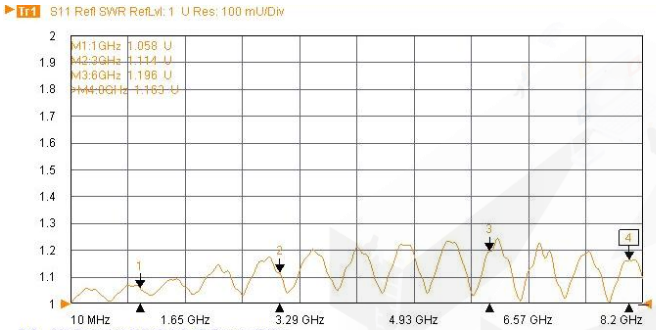


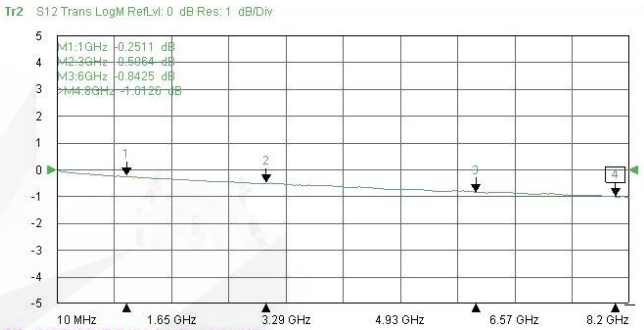


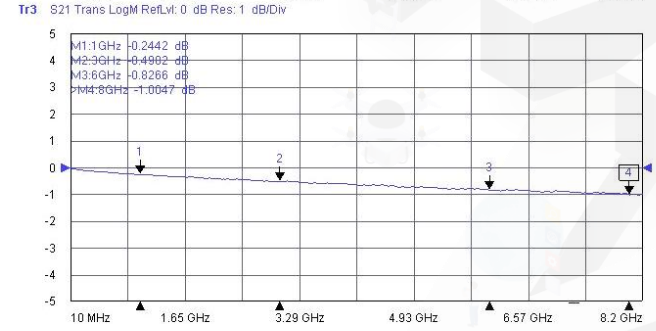


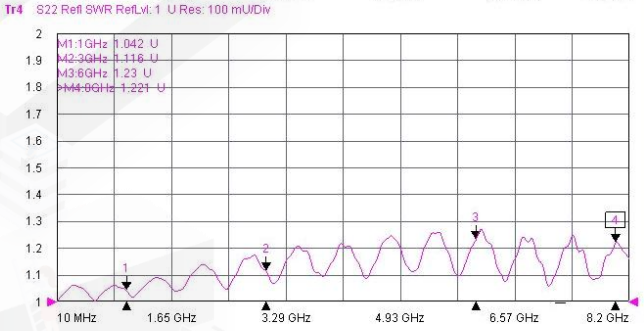
Typical Test Result

PART NUMBER	DESCRIPTION
342280.137.30(H)	MHF 20351-112R To SMA Male, 1.37mm /L:30cm/DC-8GHz



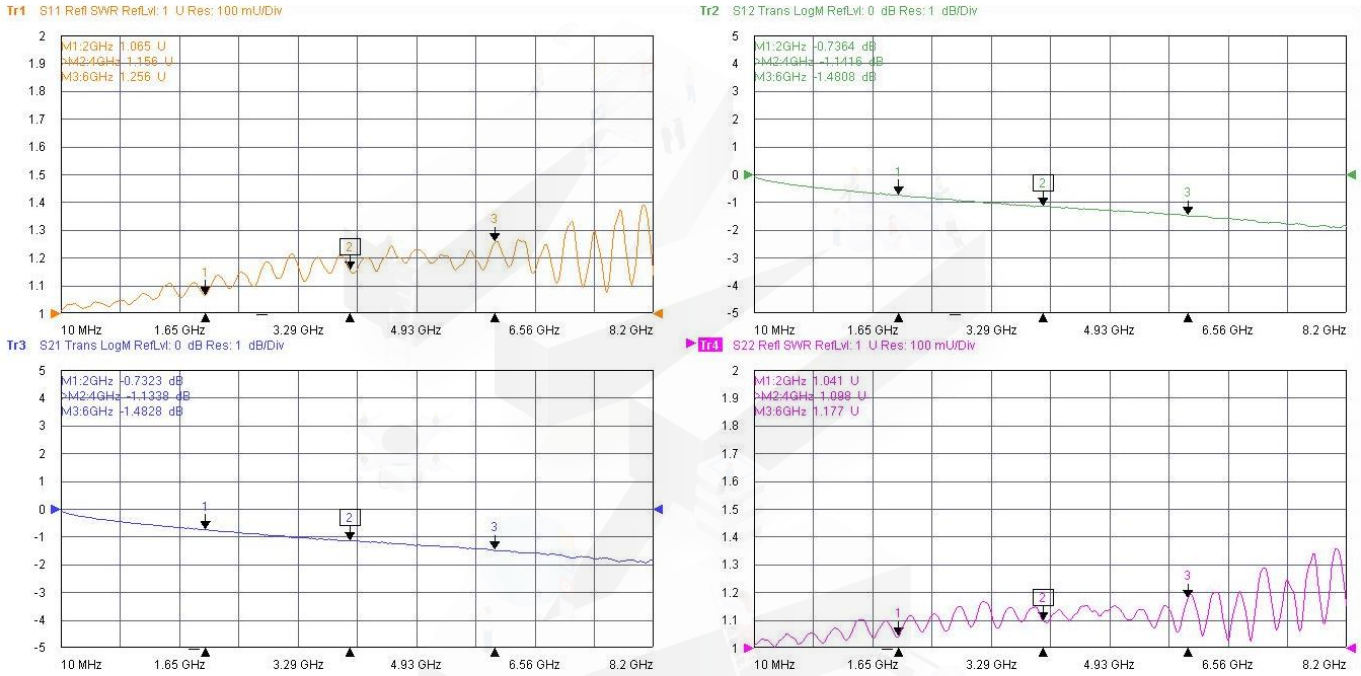






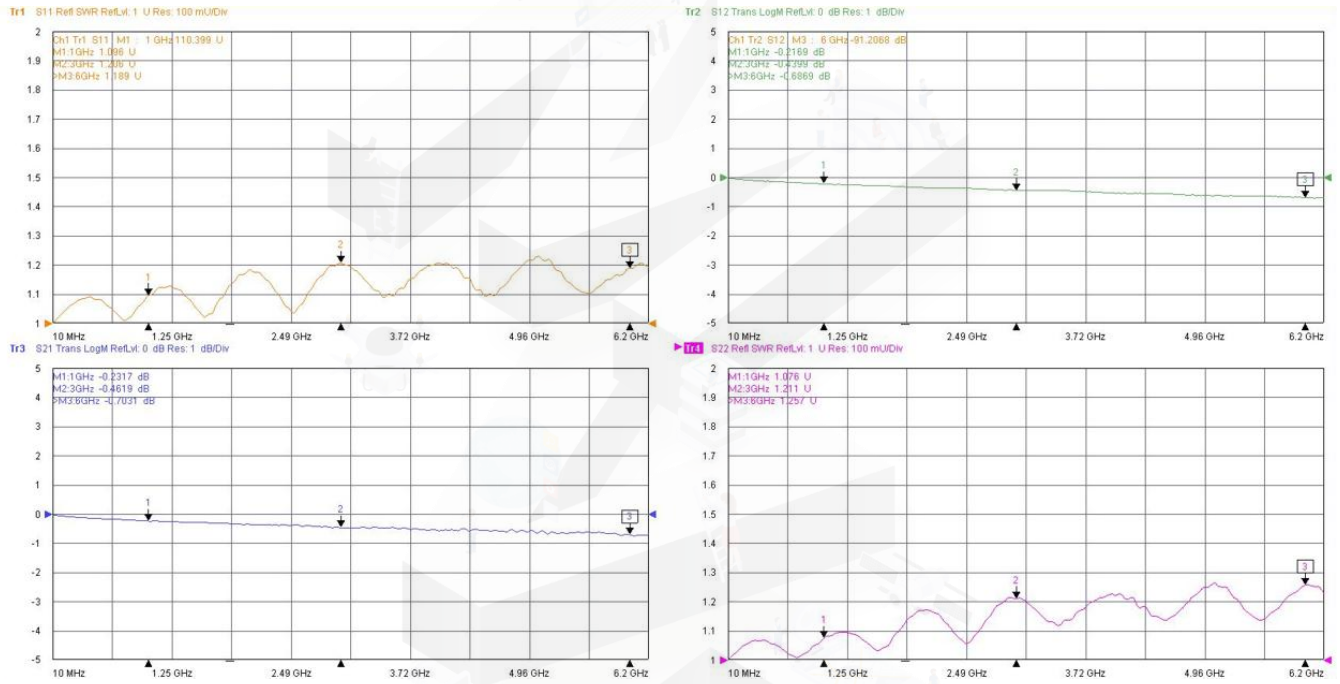
Typical Test Result

PART NUMBER	DESCRIPTION
342282.137.30(H)	IPEX1 to SMA Male R/A, 1.37 Black/L:30cm/DC-8GHz



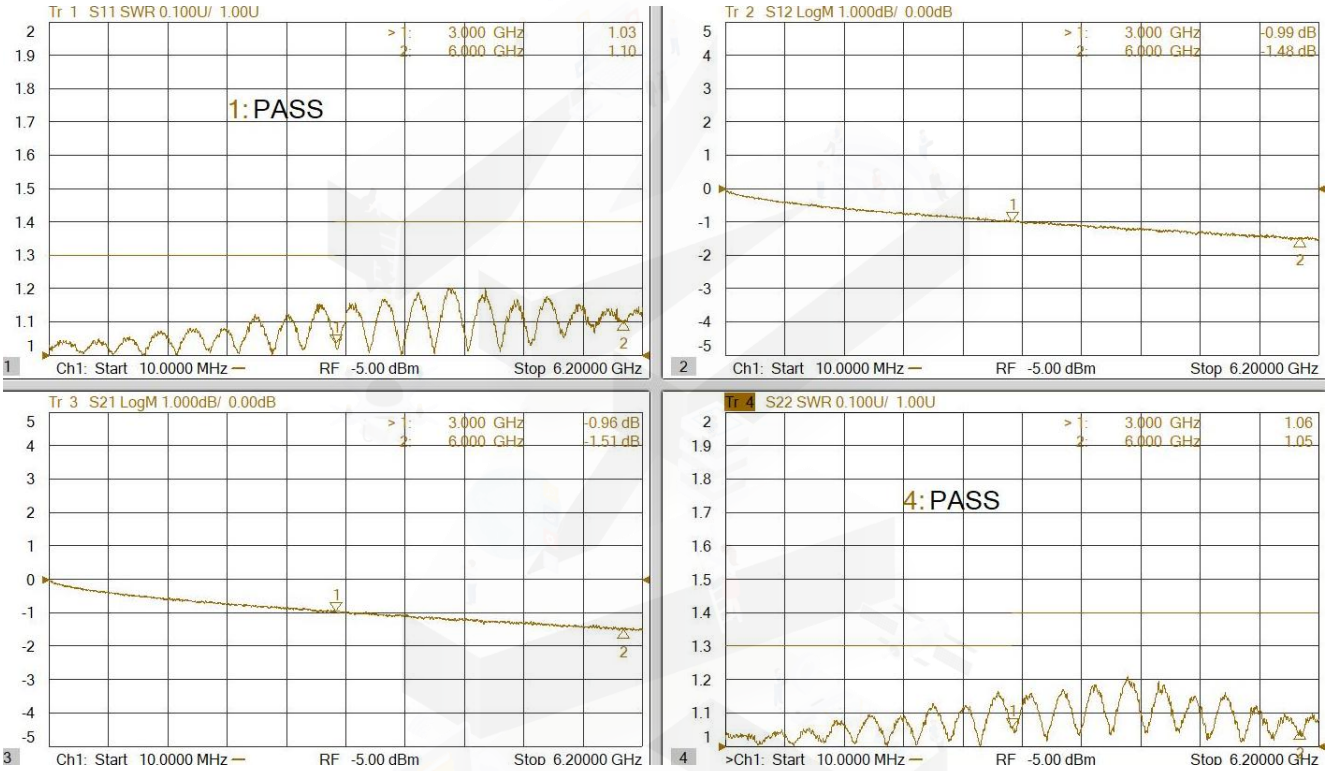
Typical Test Result

PART NUMBER	DESCRIPTION
342291.137.10	MHF 20351-112R To SMA Female Reverse , 1.37 Black/L:10cm



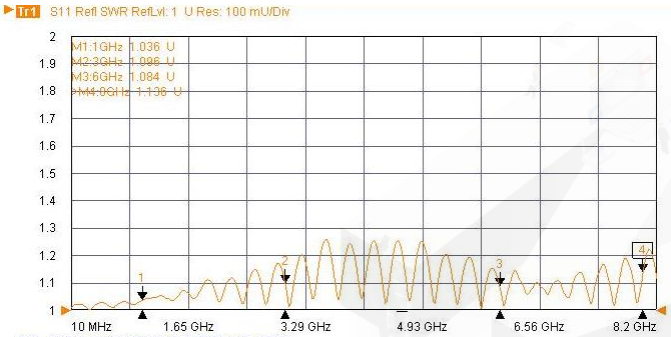
Typical Test Result

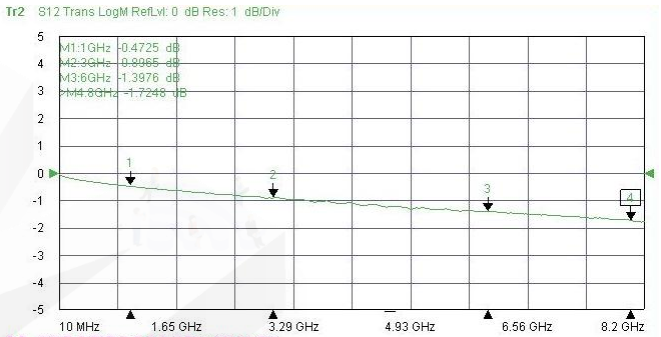
PART NUMBER	DESCRIPTION
342296.137.30	MHF 20351-112R To SMA Female BH, 1.37mm /L:30cm

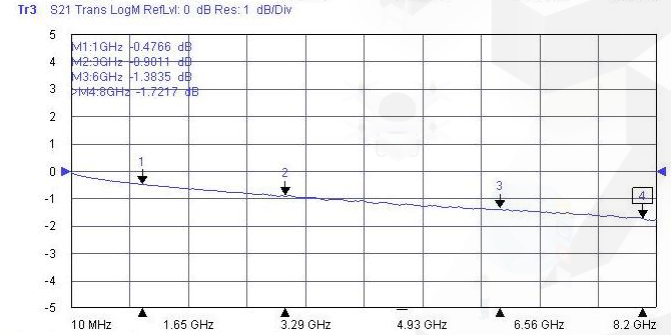


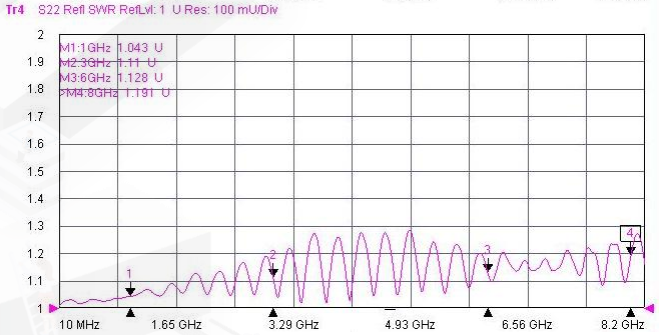
Typical Test Result

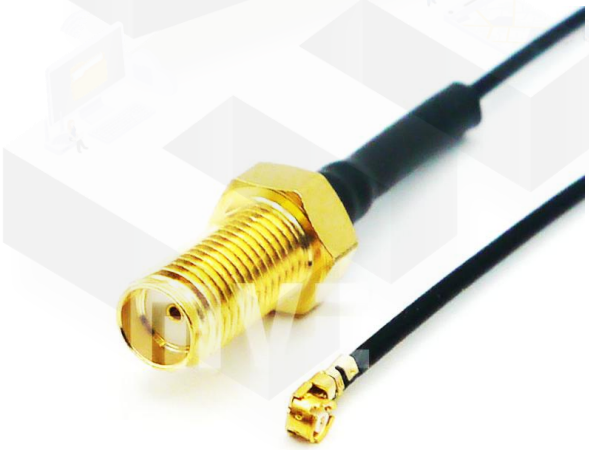
PART NUMBER	DESCRIPTION
342296.137.30(H)	MHF 20351-112R To SMA Female BH, 1.37mm/L:30cm/DC-8GHz





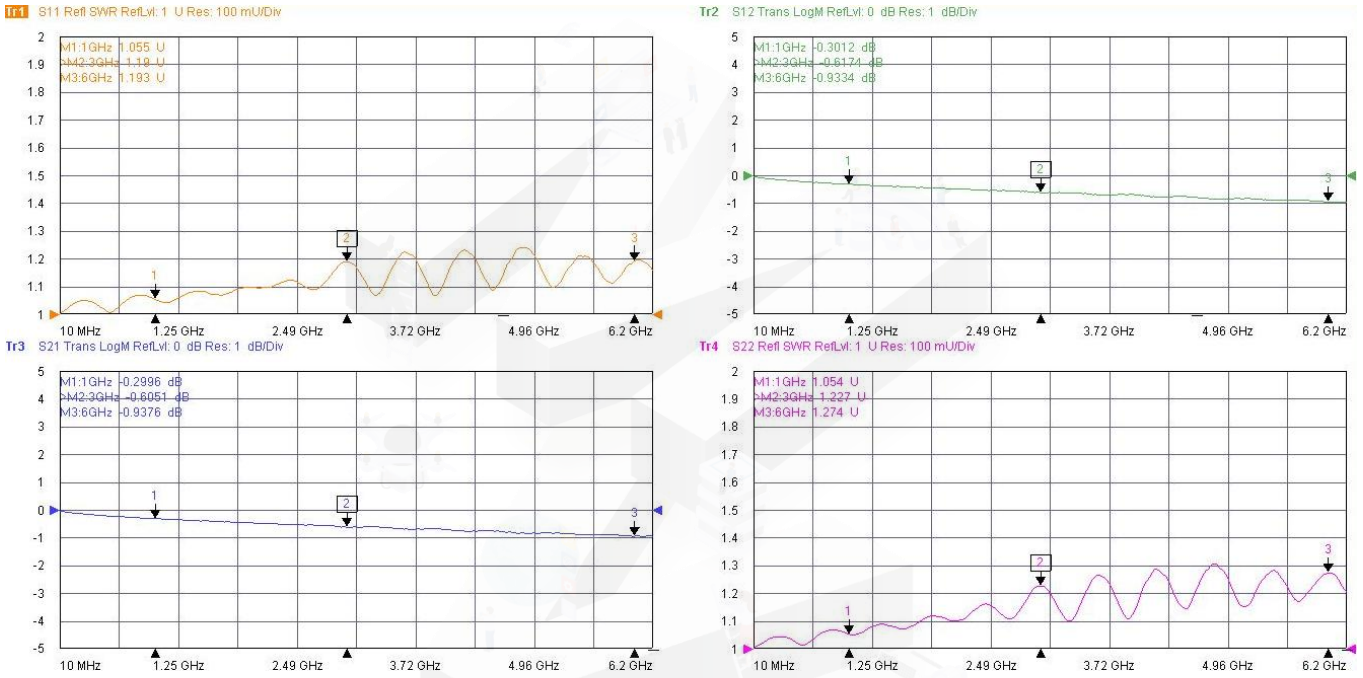






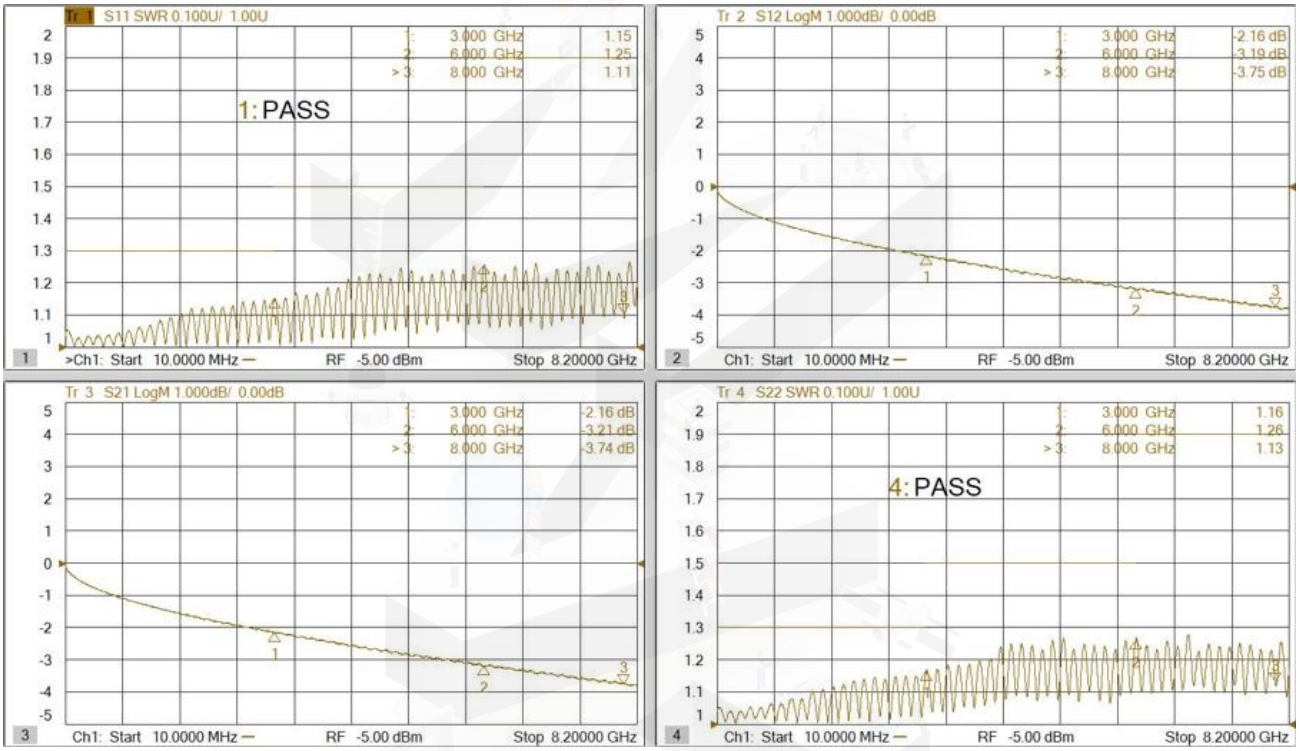
Typical Test Result

PART NUMBER	DESCRIPTION
342299.137.15	MHF 20351-112R To SMA Female Reverse BH, 1.37 Black/L:15cm



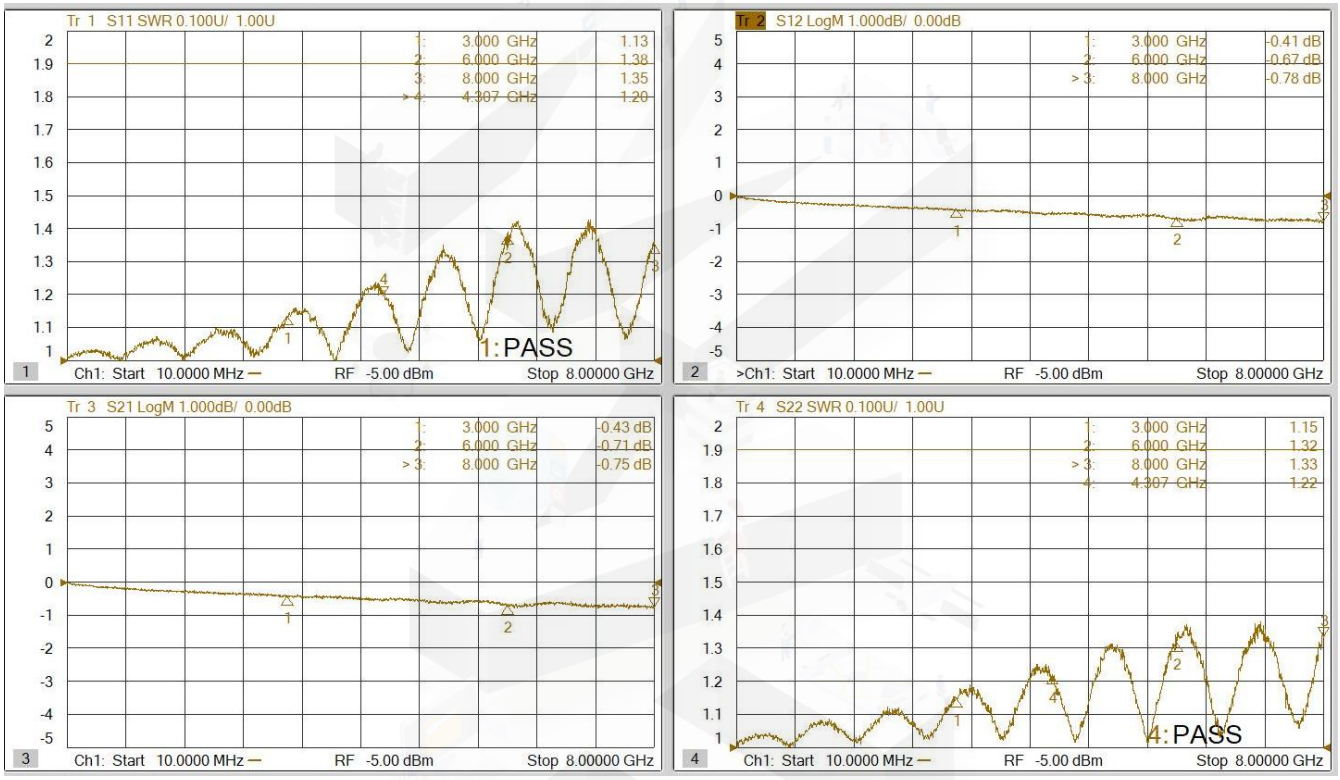
Typical Test Result

PART NUMBER	DESCRIPTION
342342.137.70H	20351-112R To 20351-112R, 1.37 Black/L:70cm



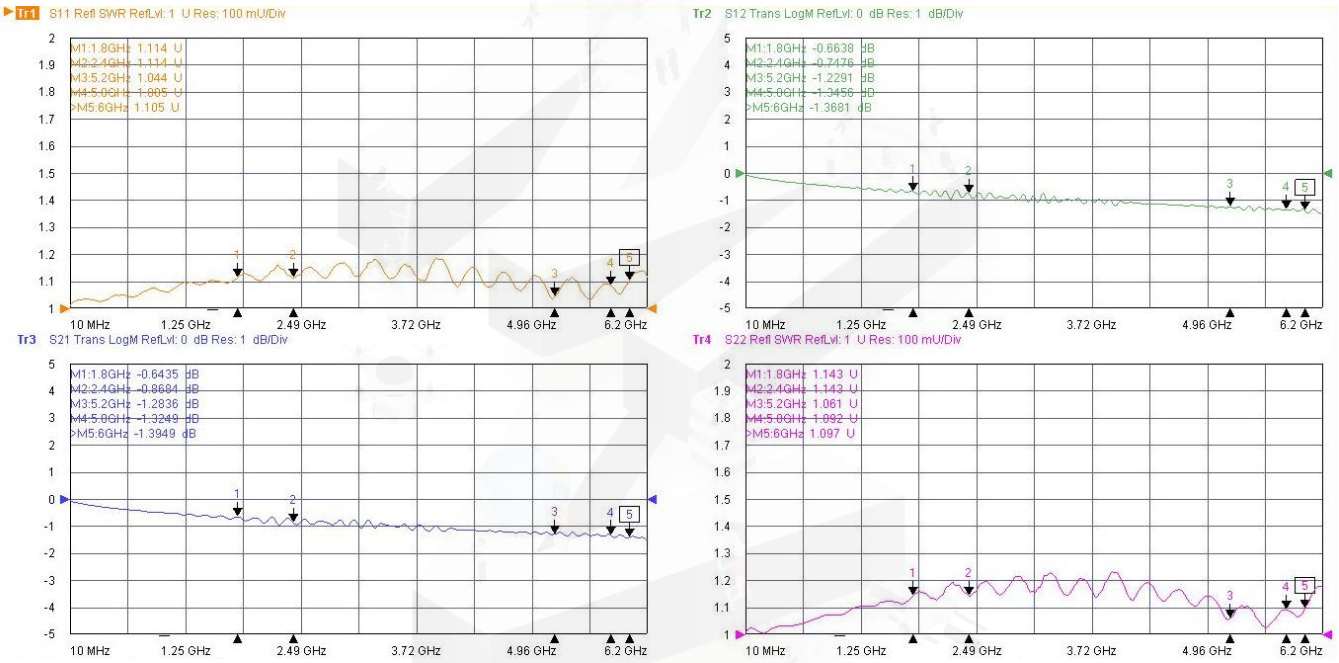
Typical Test Result

PART NUMBER	DESCRIPTION
342412L.137.10	MHF 20351-112R To MHF4L 20632-001R, 1.37Black/L:10cm



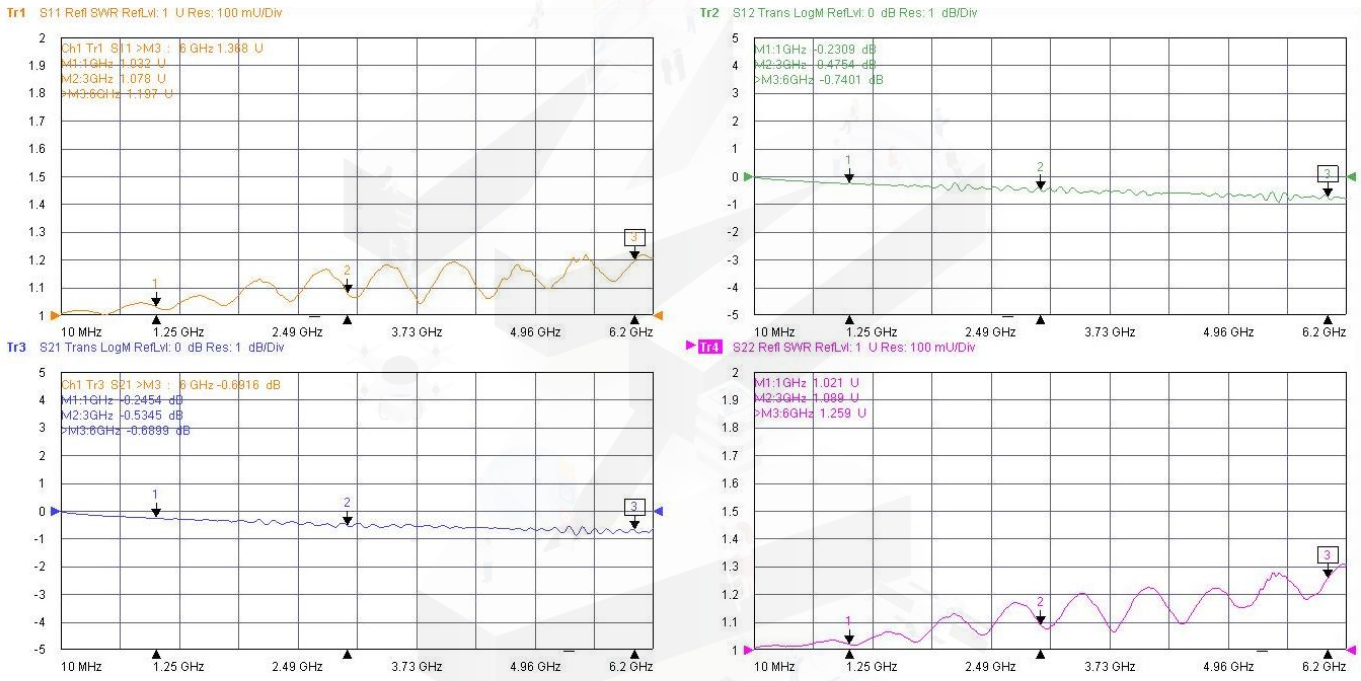
Typical Test Result

PART NUMBER	DESCRIPTION
342C280.137.30	MHF 20351-112R(Custom design) To SMA Male, 1.37 Black/L:30cm



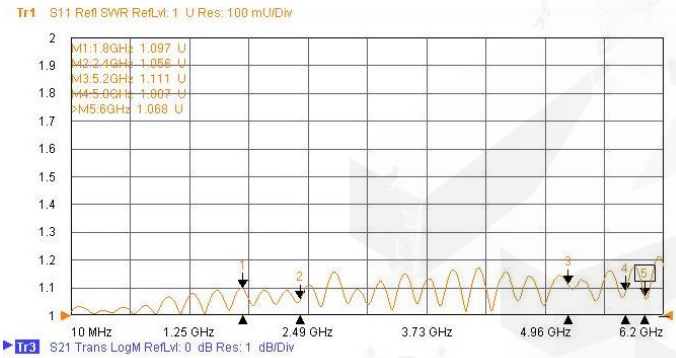
Typical Test Result

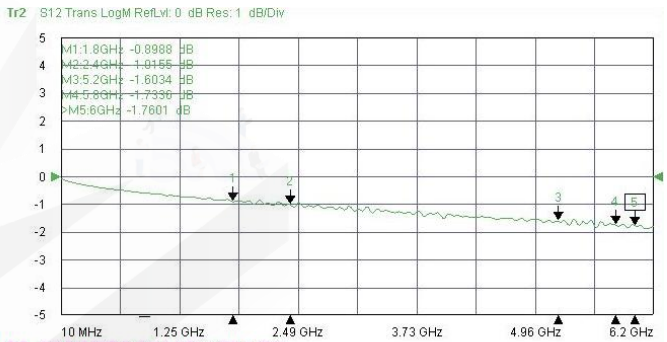
PART NUMBER	DESCRIPTION
412L280.137.10	MHF4L 20632-001R To SMA Male, 1.37mm Black/L:10cm

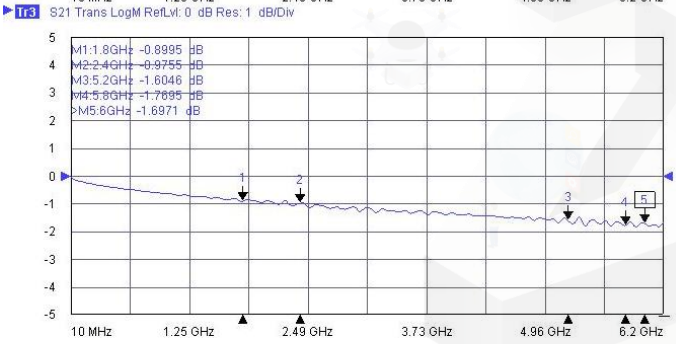


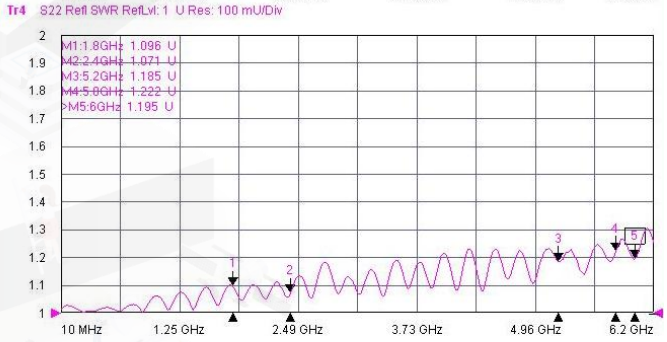
Typical Test Result

PART NUMBER	DESCRIPTION
412L291.137.40	MHF4L 20632-001R To SMA Female Reverse, 1.37mm Black/L:40cm



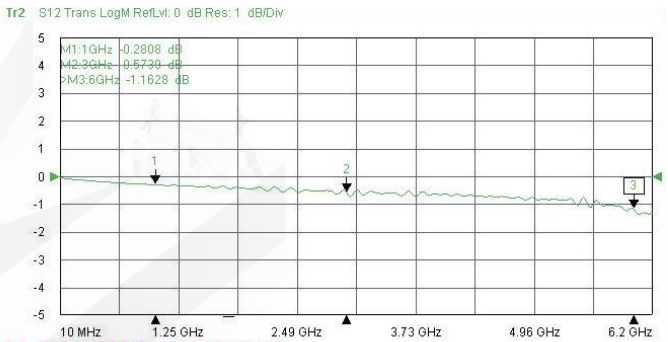


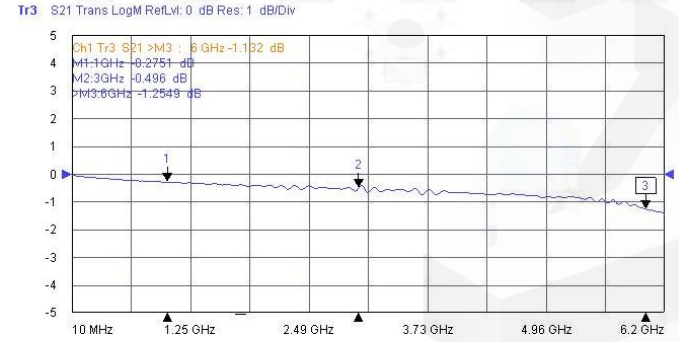


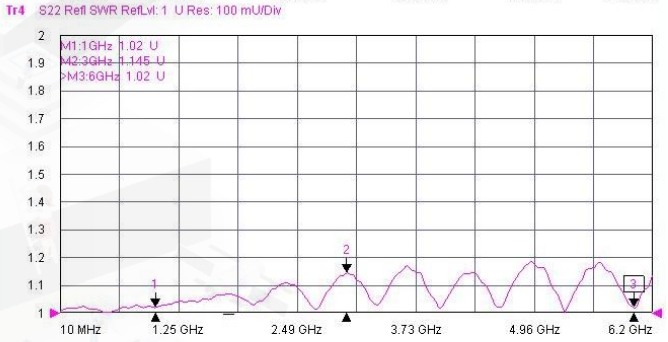


Typical Test Result

PART NUMBER	DESCRIPTION
412L296.137.15	MHF4L 20632-001R To SMA Female, 1.37mm Black/L:15cm

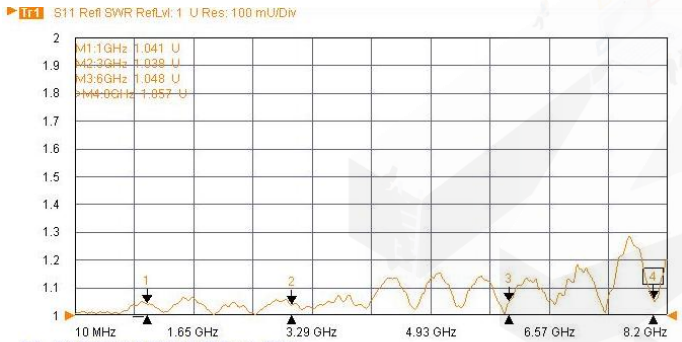


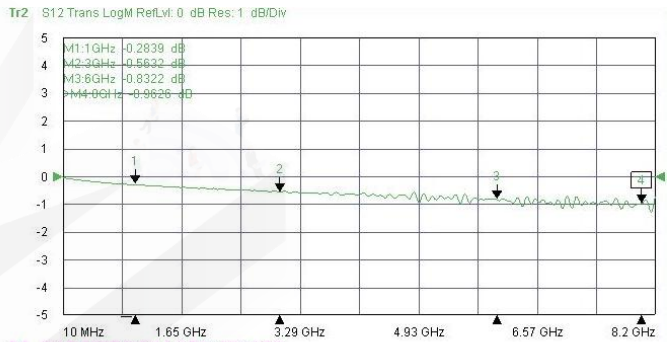


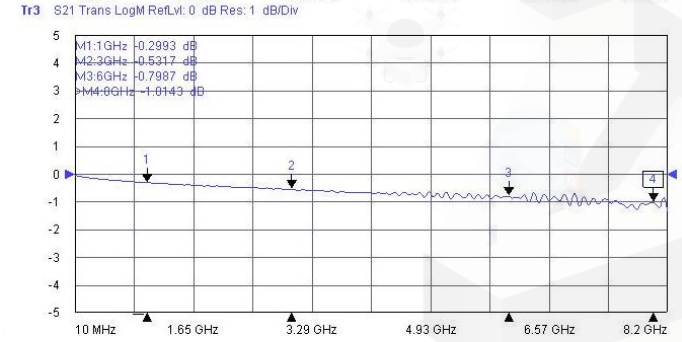


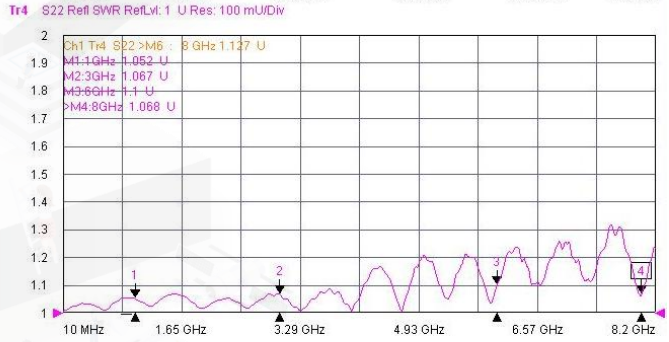
Typical Test Result

PART NUMBER	DESCRIPTION
412L296.137.15(H)	MHF4L 20632-001R To SMA Female, 1.37mm Black/L:15cm/DC-10GHz









Typical Test Result

PART NUMBER	DESCRIPTION
412L299.137.15(H)	MHF4L 20632-001R To SMA Female Reverse BH, 1.37mm Black/L:XXcm/DC-8GHz