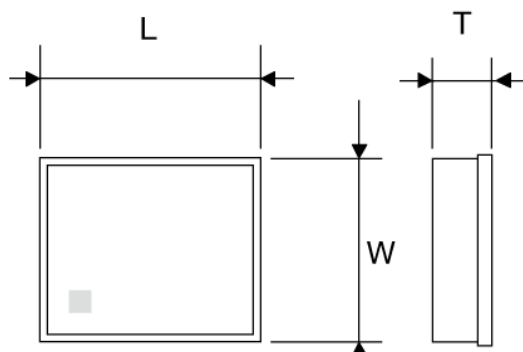


SAW Filter

FAR-F6KA-1 G9600-D4DQ



■ Features

- Item Summary
W-CDMA / CDMA , Rx, 504
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 3000 , 15000pcs

■ Products characteristics table

Temperature Range	-30 to +85°C
Band(3GPP)	B2
Band(3GPP2)	BC1
Use	WCDMA / CDMA
Transmitting / Receiving	Rx Filter
Insertion Loss	3.4dB
Attenuation	44dB
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

■ External Dimensions

L	1.4mm +0.1:-0.1
W	1.0mm +0.1:-0.1
T	0.5mm max

2015.06.03

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
 TAIYO YUDEN reserves the right to make change to the Date at any time without notice.
 Before making final selection, please check product specification.



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	PCS-Rx Antenna Filter	Date	March 31, 2010
Part Number	FAR-F6KA-1G9600-D4DQ	ver.1.1a	

Table 1 Electrical Specification

Passband : 1930.6 ~ 1989.4 MHz						
Item	Condition(MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	1930.6 – 1989.4	-	3.4	5.0	dB	
Input Return Loss (VSWR)	1930.6 – 1989.4	6	8.2 (2.3)	(2.9)	dB	
Output Return Loss (VSWR)	1930.6 – 1989.4	6	8.3 (2.4)	(2.9)	dB	
Passband Ripple	1930.6 – 1989.4		1.5	3.8	dB	
Absolute Attenuation	50-1850.6	40	45	-	dB	
	1850.6-1909.4	40	44	-	dB	
	2040-2800	35	44	-	dB	
	2800-3400	28	38		dB	
	3400-6000	18	33	-	dB	
Input Power	1850.6-1909.4	-	-	+13	dBm	CW, 2000h Ta=50°C
Input Impedance	unbalanced	50			Ohm	
Output Impedance	unbalanced	50			Ohm	
Operating Temperature		-30 to +85			°C	
Storage Temperature		-40 to +85			°C	
Package Size		1.4 Typ. X 1.0 Typ.			mm ²	
Package Height		0.5 Max			mm	



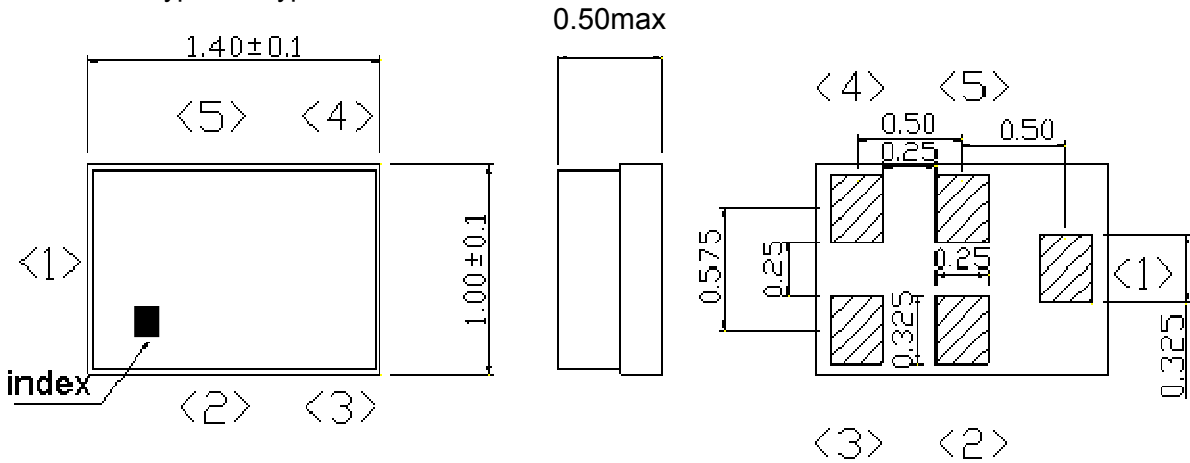
MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	PCS-Rx Antenna Filter	Date	March 31, 2010
Part Number	FAR-F6KA-1G9600-D4DQ	ver.1.1a	

Dimensions

Device size: 1.4typ. x 1.0typ. x 0.5max.

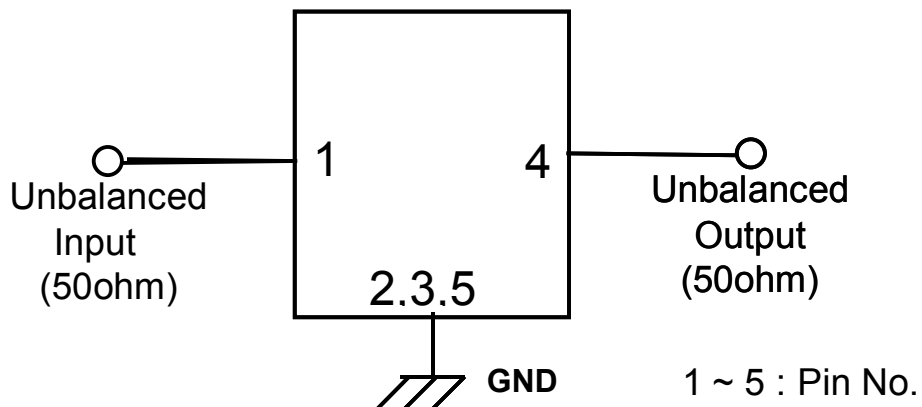


Unit : mm

Pin Configuration

Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

Evaluation Circuit





MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	PCS-Rx Antenna Filter	Date	March 31, 2010
Part Number	FAR-F6KA-1G9600-D4DQ	ver.1.1a	

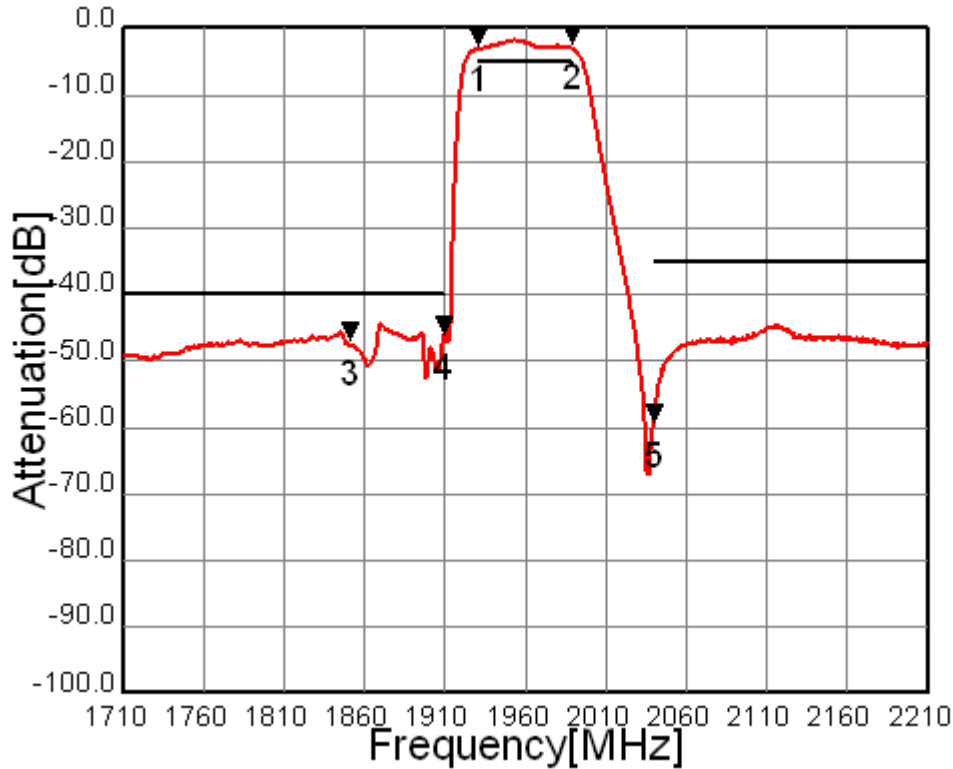


Fig.1 Pass-band Characteristics

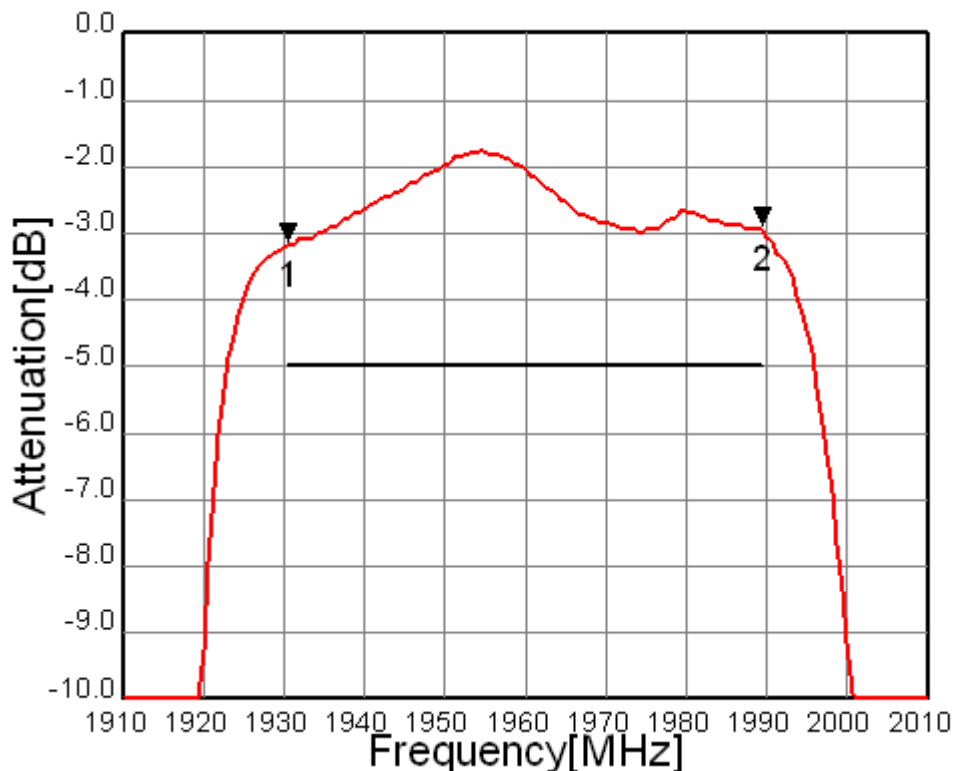


Fig.2 In-band Characteristics



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co., Ltd.	
System	PCS-Rx Antenna Filter	Date	March 31, 2010
Part Number	FAR-F6KA-1G9600-D4DQ	ver.1.1a	

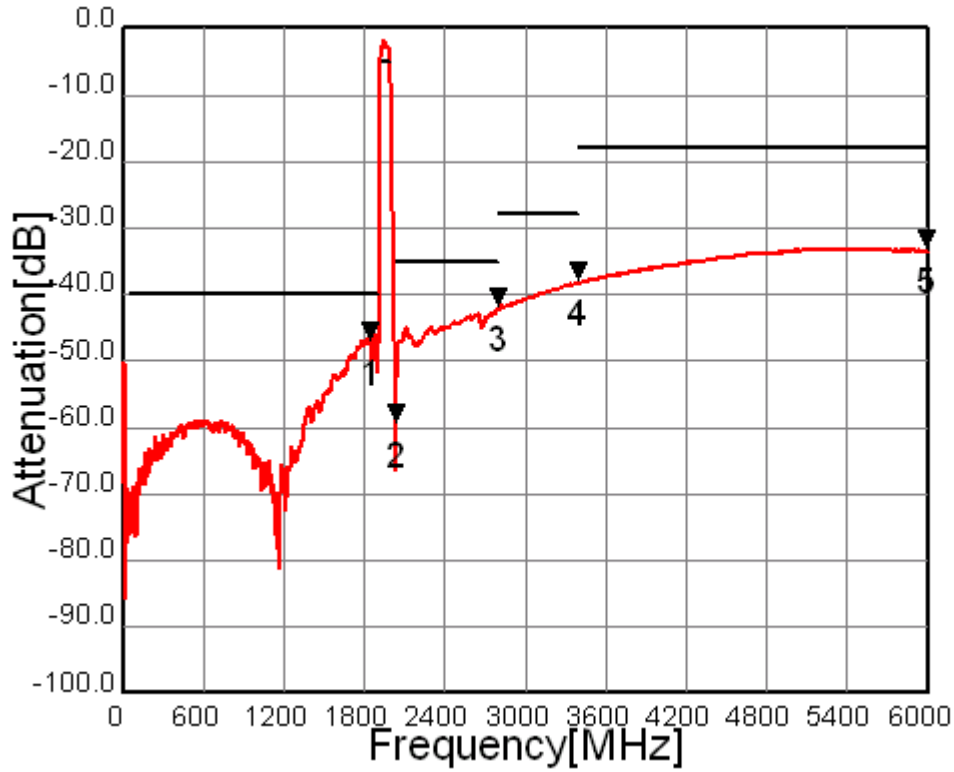


Fig.3 Wide-band Characteristics



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	PCS-Rx Antenna Filter	Date	March 31, 2010
Part Number	FAR-F6KA-1G9600-D4DQ	ver.1.1a	

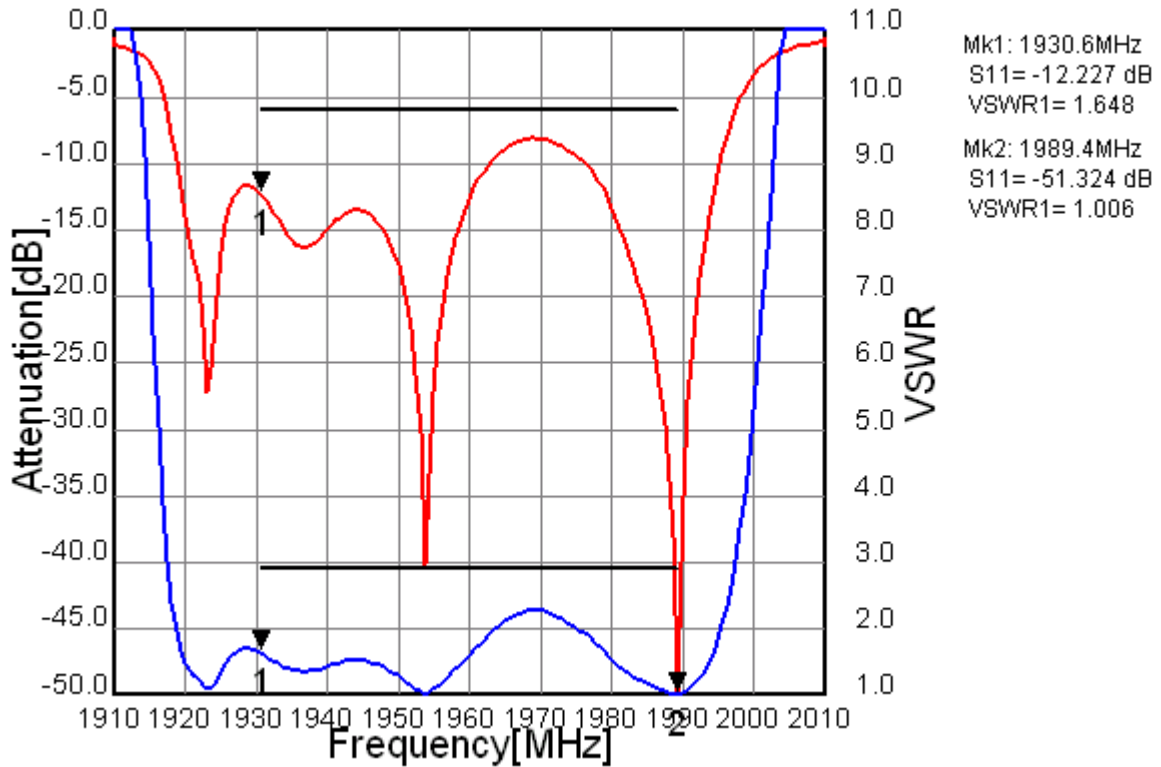


Fig.4 Return Loss and VSWR S11

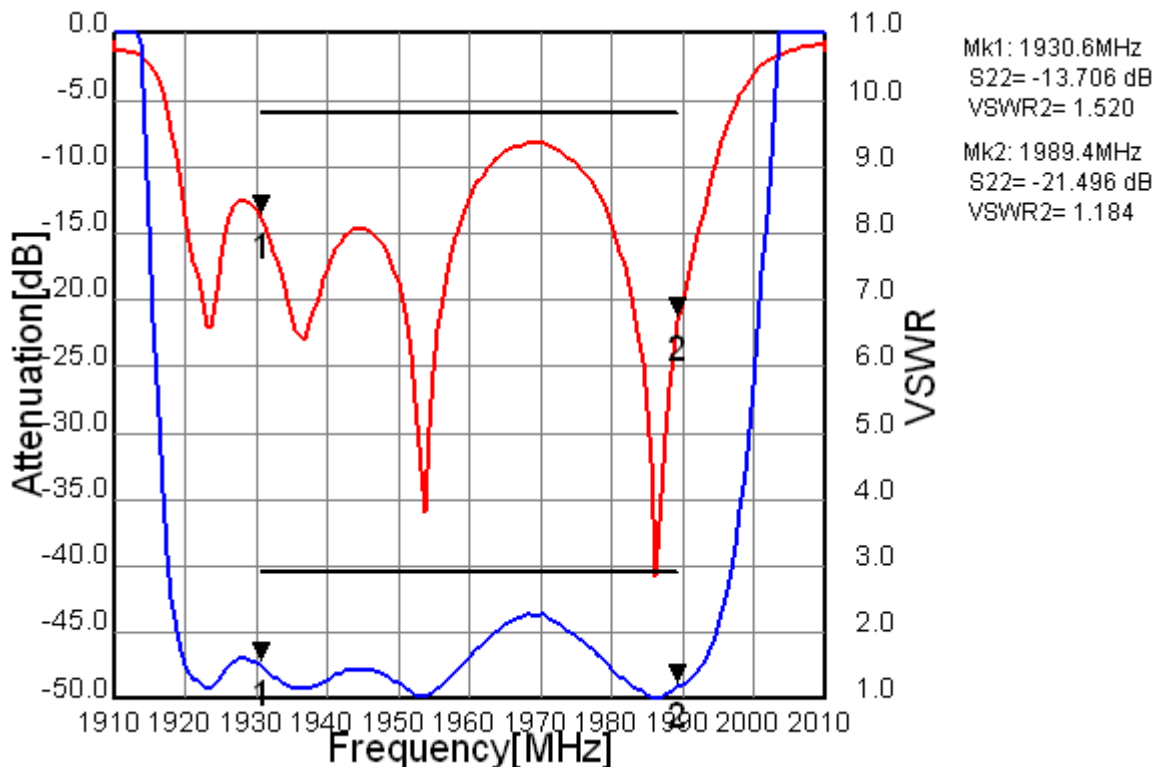


Fig.5 Return Loss and VSWR S22



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	PCS-Rx Antenna Filter	Date	March 31, 2010
Part Number	FAR-F6KA-1G9600-D4DQ	ver.1.1a	

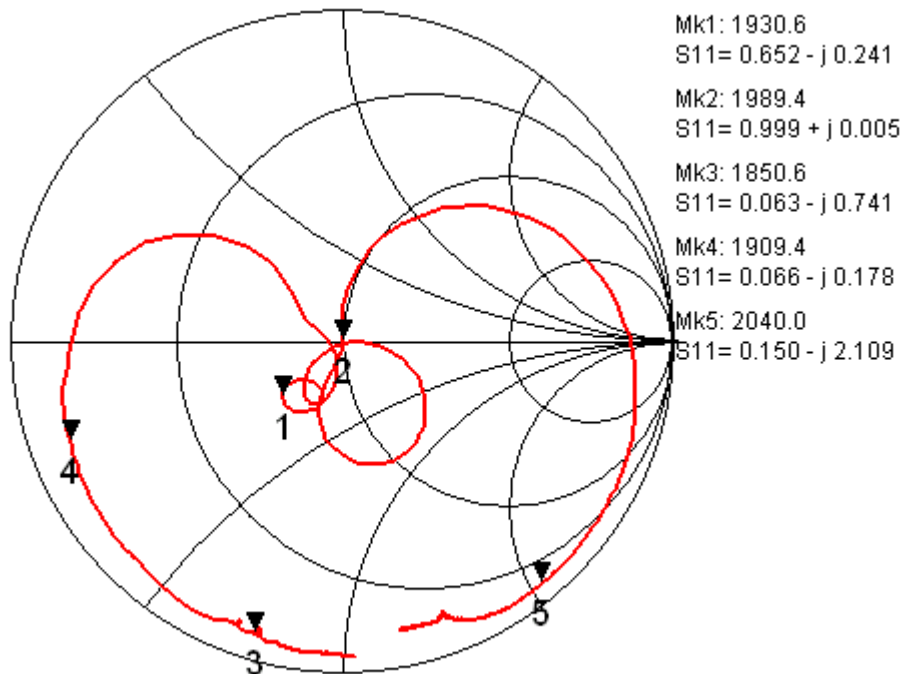


Fig.6 Impedance S11

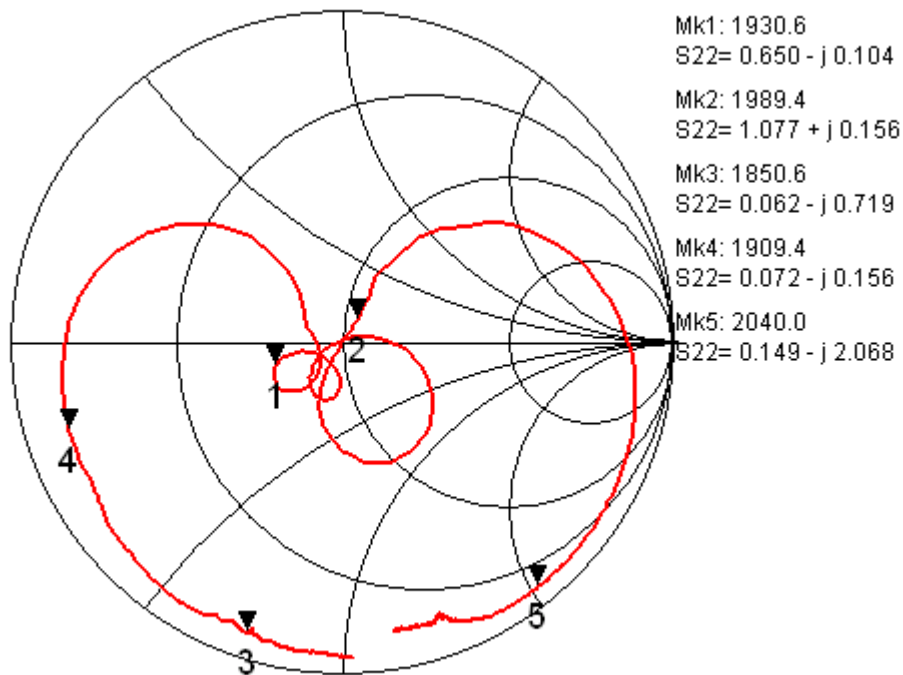


Fig.7 Impedance S22