

FMD	FAR-G6CR-1G8950-L24A	FUJITSU MEDIA DEVICES LIMITED		
Part Number		DATE	Feb. 12, 2002	
TYPE.	PCS-Tx Split Band Dual SAW Filter	Specification	Version 1.1	

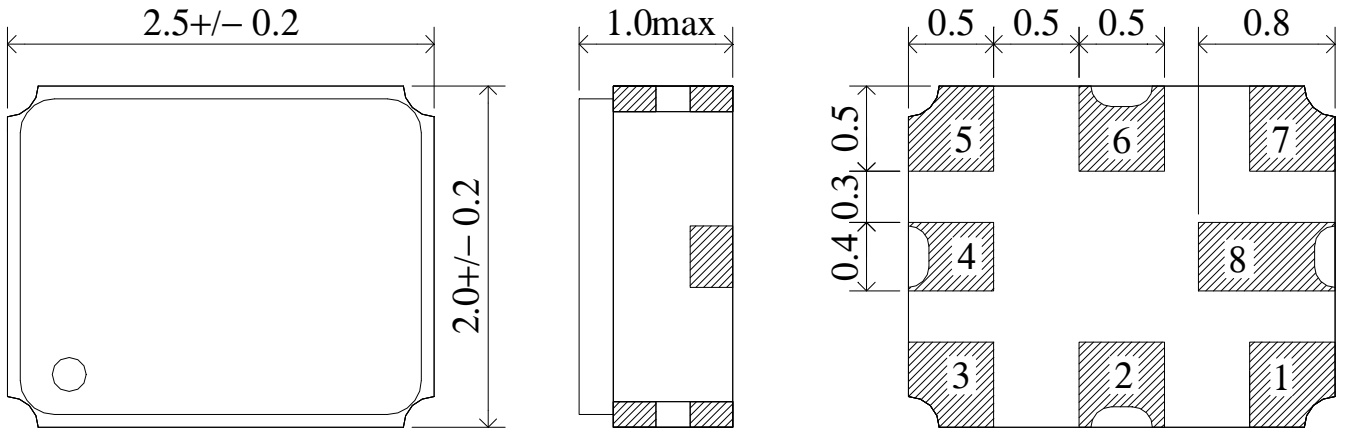
Table 1. Electrical specifications

Filter 1 : Lower side						
Item	Condition (MHz)	Unit	Value			Remarks
			Min.	Typ.	Max.	
Pass band		MHz	1850 ~ 1880			
Insertion Loss	1850 ~ 1880	dB	–	2.1	2.5	
Ripple	1850 ~ 1880	dB	–	0.6	1.2	
VSWR	1850 ~ 1880	dB	–	1.4	2.0	
Absolute attenuation	DC ~ 1700	dB	23	25	–	
	1700 ~ 1760	dB	30	39	–	
	1770 ~ 1800	dB	20	32	–	
	1930 ~ 1960	dB	35	41	–	
	1960 ~ 2100	dB	30	39	–	
	2100 ~ 3000	dB	25	33	–	
Input Power	1850 ~ 1880	dBm	–	–	13	CW
Filter 2 : Upper side						
Item	Condition (MHz)	Unit	Value			Remarks
			Min.	Typ.	Max.	
Pass Band		MHz	1880 ~ 1910			
Insertion Loss	1880 ~ 1910	dB	–	2.1	2.5	
Ripple	1880 ~ 1910	dB	–	0.5	1.2	
VSWR	1880 ~ 1910	dB	–	1.6	2.0	
Absolute attenuation	DC ~ 1700	dB	23	25	–	
	1700 ~ 1760	dB	30	39	–	
	1800 ~ 1830	dB	20	24	–	
	1960 ~ 1990	dB	35	38	–	
	1990 ~ 2100	dB	30	37	–	
	2100 ~ 3000	dB	25	31	–	
Input Power	1880 ~ 1910	dBm	–	–	13	CW
Operating Temperature		°C	–30	+25	+85	
Storage Temperature		°C	–40	–	+100	

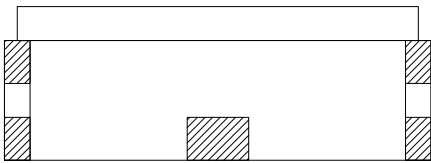


Sep. 25, 2001

1. Pin assignment of 2520 dual filter



1 ~ 8 : Pin No. Unit : mm

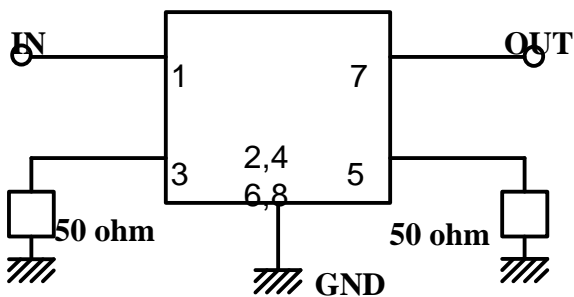


Filter No.	System
1	PCS-Tx lower
2	PCS-Tx upper

Pin No.	Pin name	Description
1	IN	Filter 1 input pin
2	GND	Ground pin
3	IN	Filter 2 input pin
4	GND	Ground pin
5	OUT	Filter 2 output pin
6	GND	Ground pin
7	OUT	Filter 1 output pin
8	GND	Ground pin

2. Test condition

< Filter 1 >



< Filter 2 >

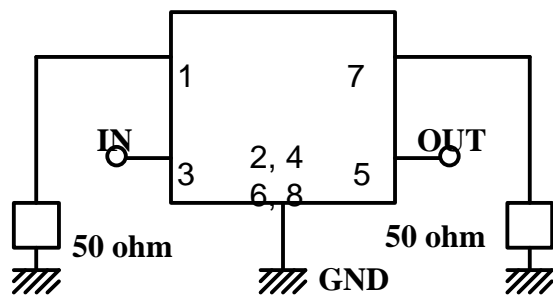
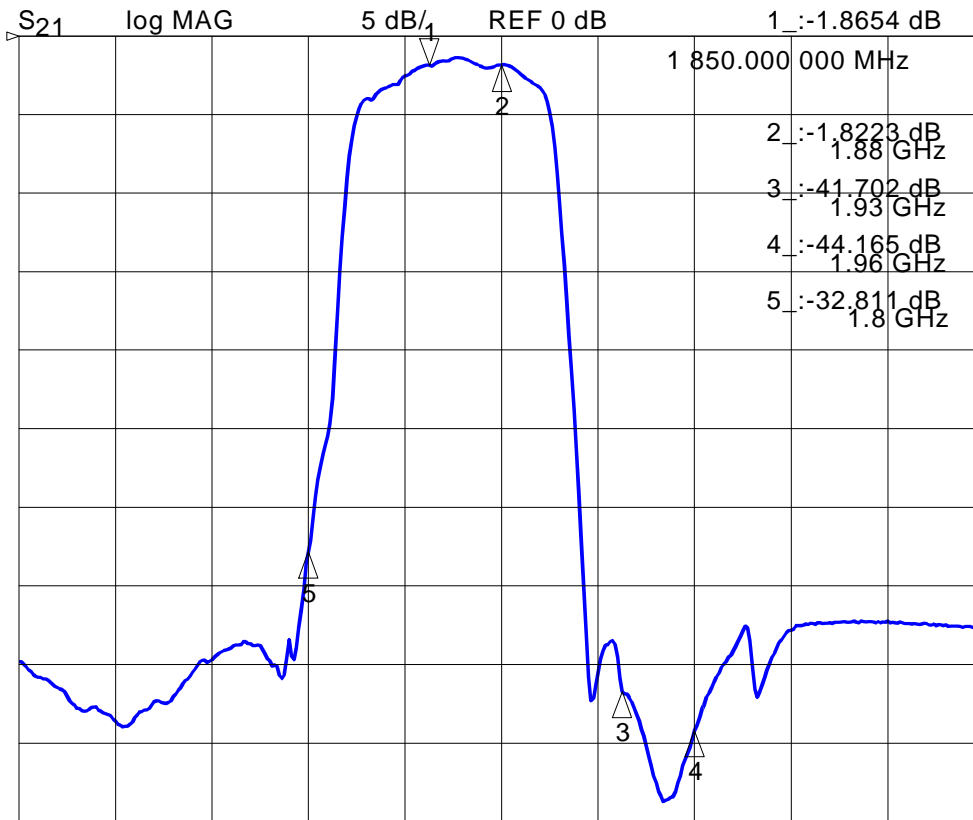


Fig.1

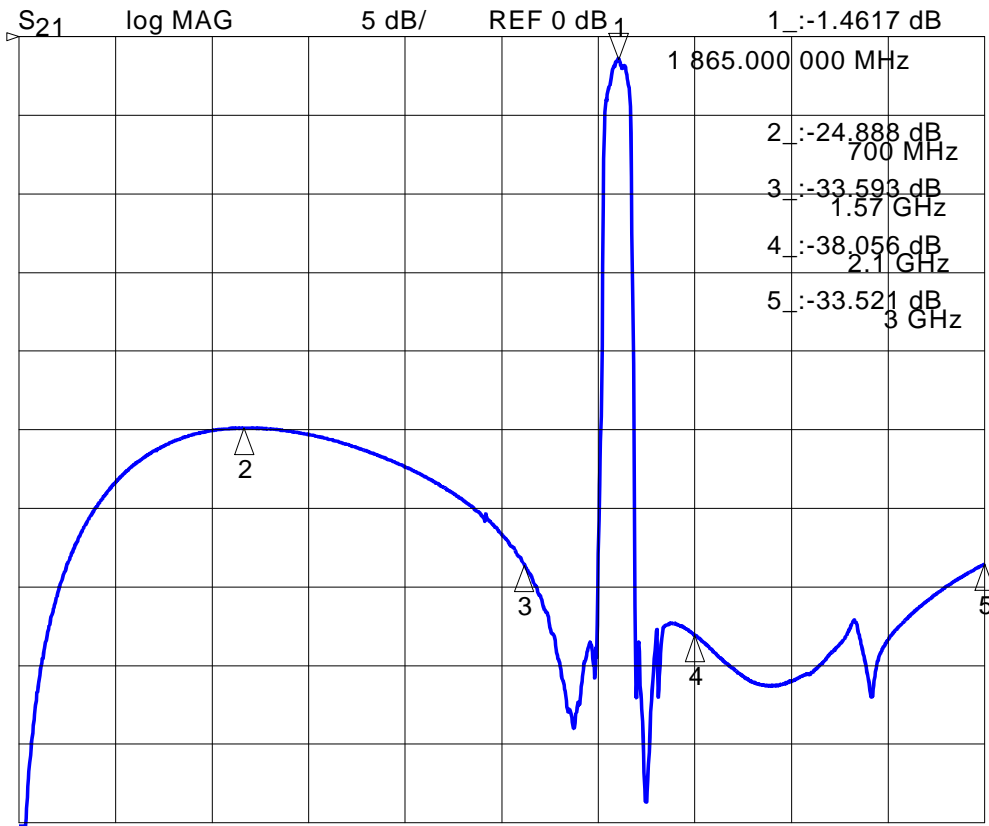
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Filter 1: Lower side



CENTER 1 880.000 000 MHz

SPAN 400.000 000 MHz



START .030 000 MHz

STOP 3 000.000 000 MHz

Fig. 2-1

Filter 1:Lower side

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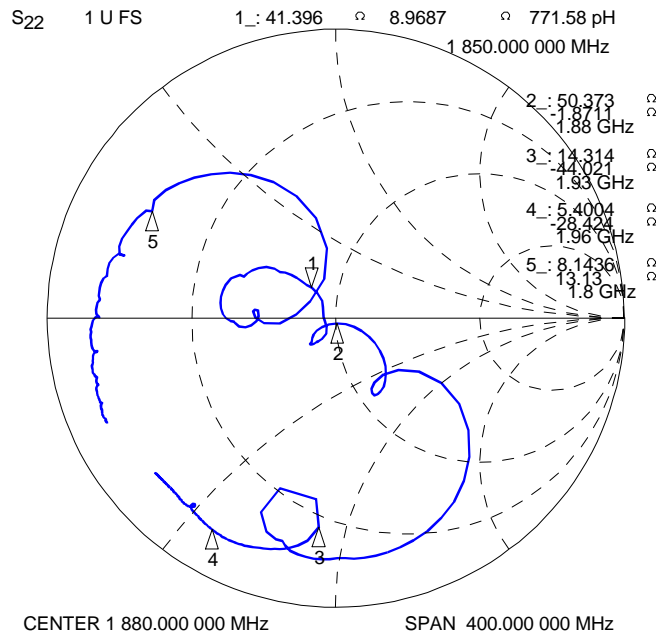
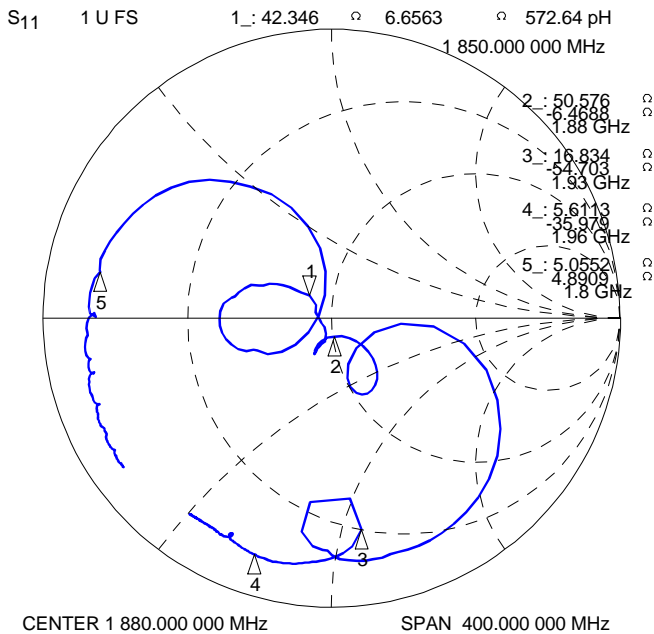
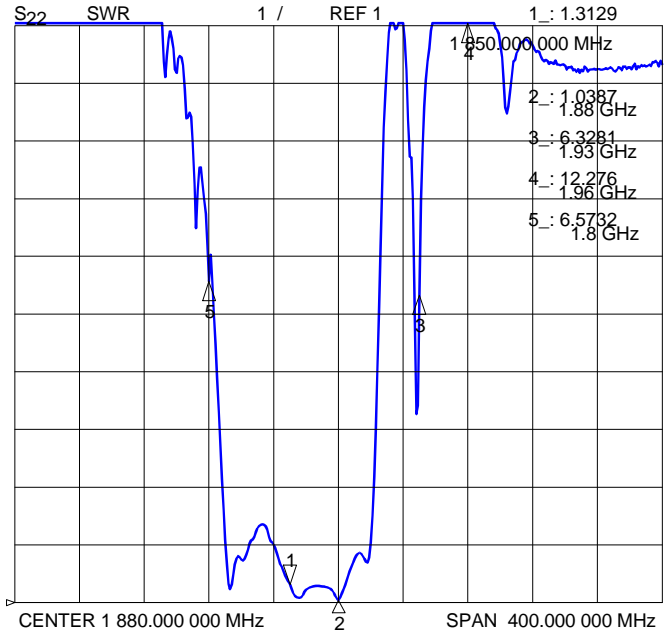
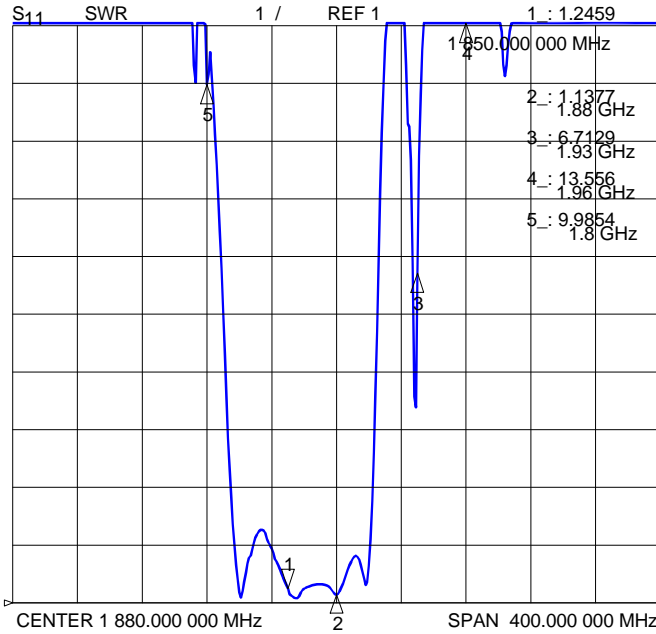
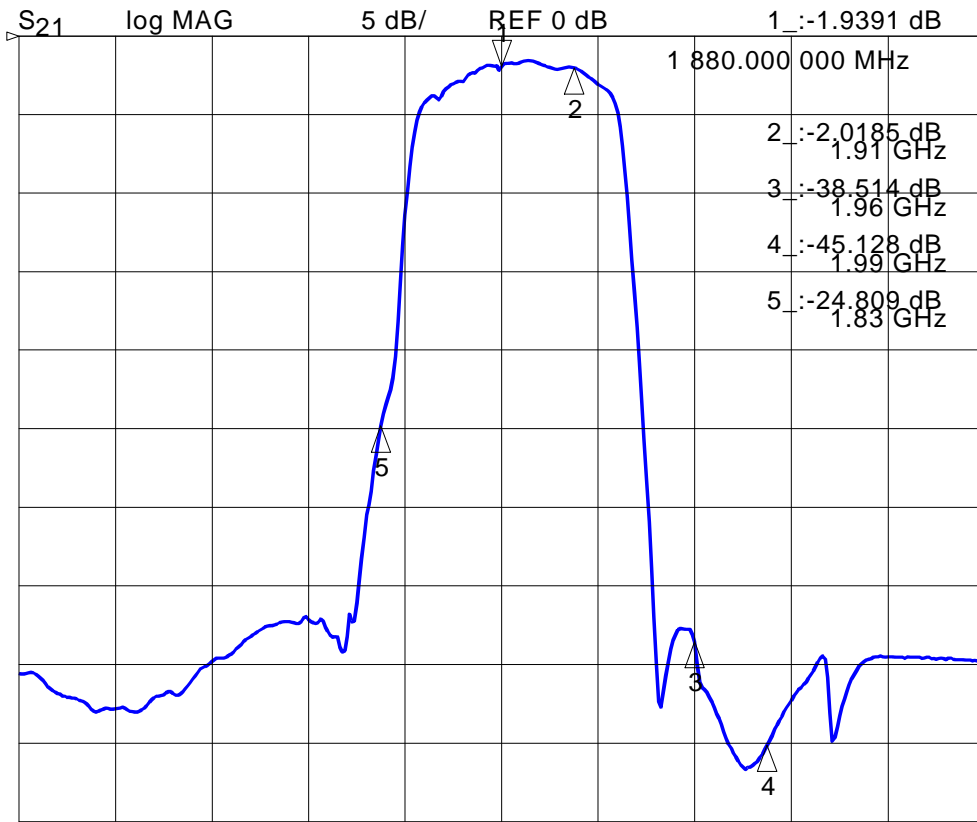


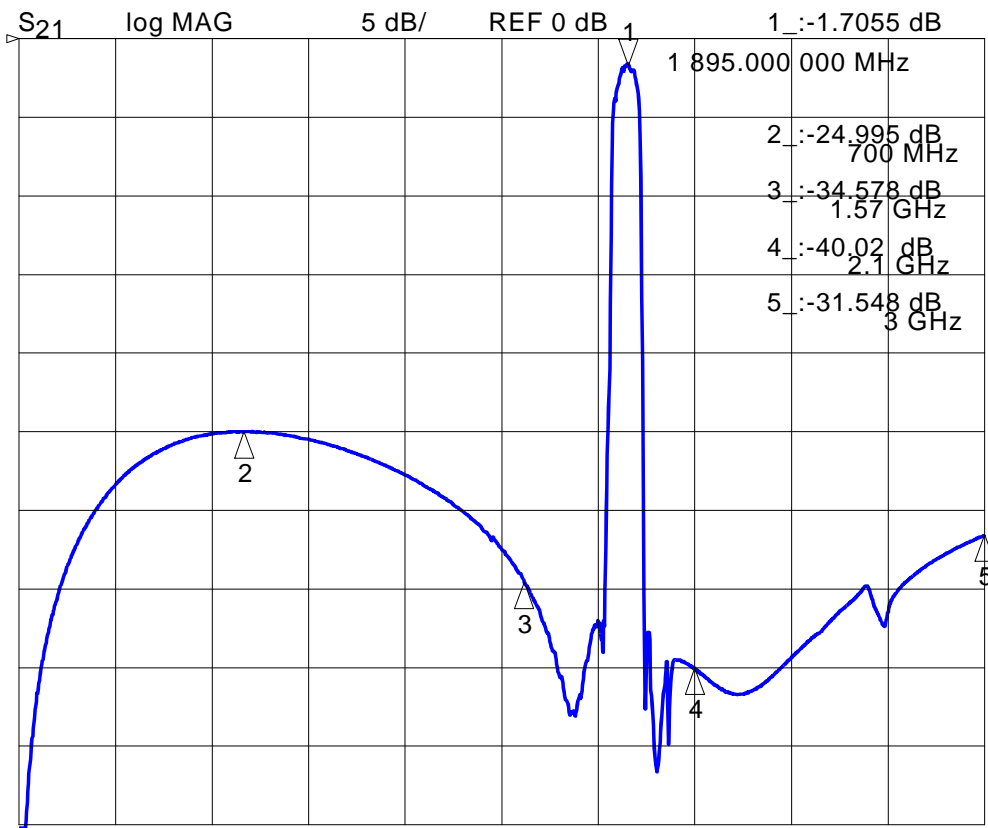
Fig. 2-2

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Filter 2:Upper side



CENTER 1 880.000 000 MHz SPAN 400.000 000 MHz



START .030 000 MHz STOP 3 000.000 000 MHz

Fig. 3-1

Filter 2:Upper side

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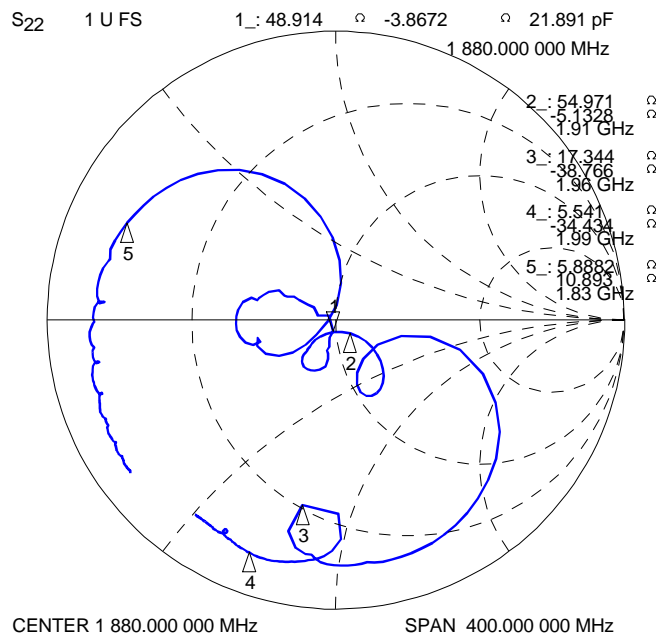
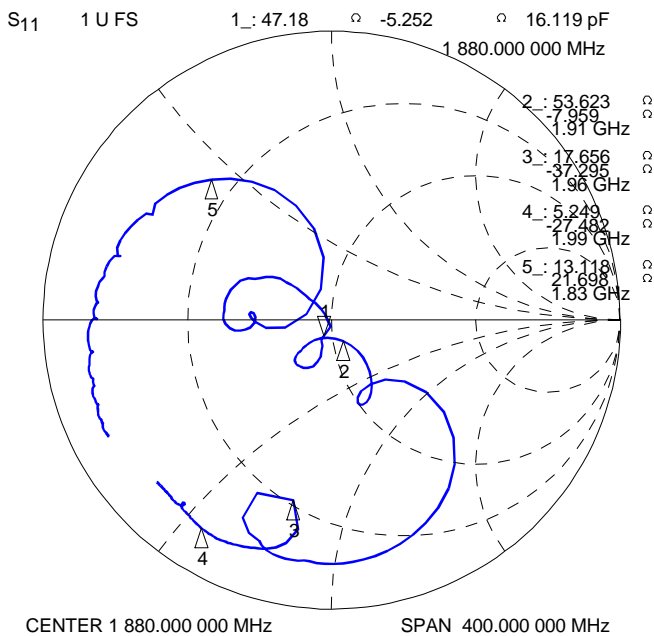
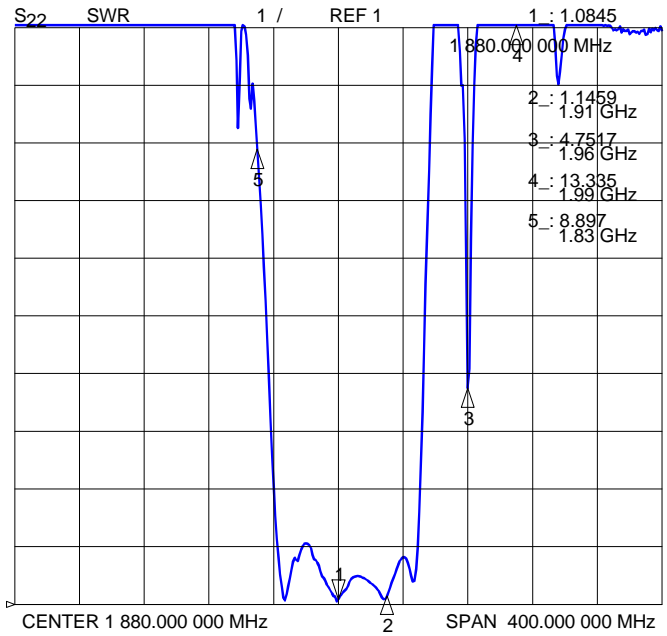
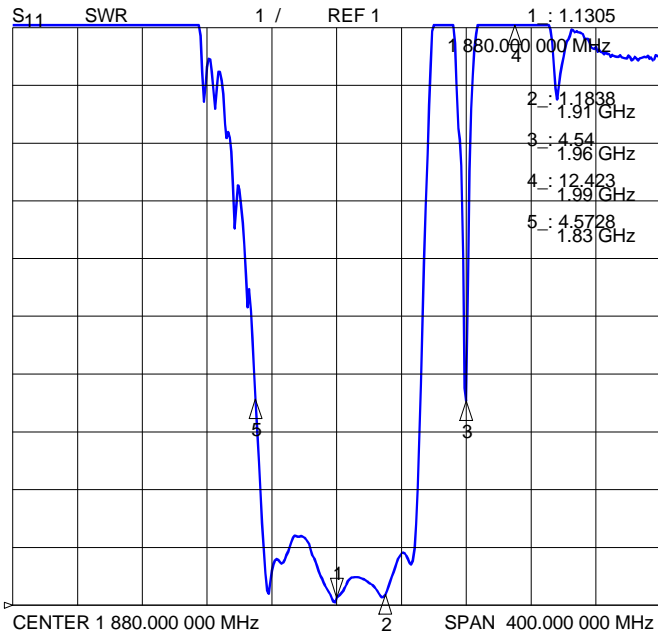


Fig. 3-2