

Customer Name	<b>Standard</b>	FUJITSU MEDIA DEVICES LIMITED	
System	EGSM/DCS1800(Rx) Dual SAW Filter	DATE	Mar. 19, 2002
FMD Part Number	FAR-G6CS-1G8425-L257	Version 2.0	

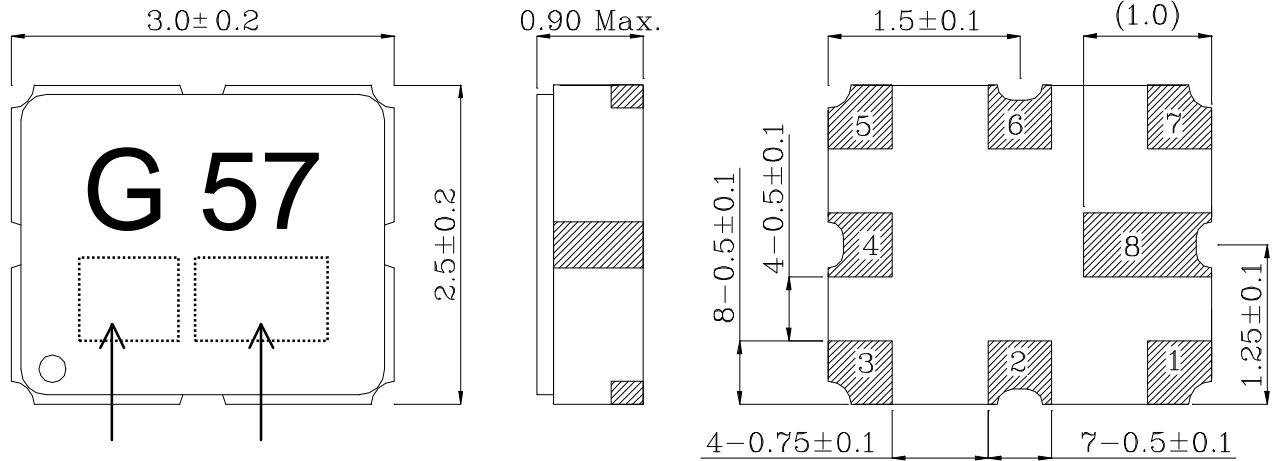
**Table 1. Electrical specifications**

<b>Filter 1 : EGSM- Rx (Passband : 925 ~ 960 MHz)</b>						
Item	Condition (MHz)	Value			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	925 ~ 960	-	2.7	3.5	dB	
		-	-	3.0	dB	+25 ± 2 °C
Ripple	925 ~ 960	-	1.0	2.0	dB	
Absolute attenuation	DC ~ 880	40	50	-	dB	
	880 ~ 915	15	26	-	dB	
		20	-	-	dB	+25 ± 2 °C
	980 ~ 1200	25	28	-	dB	
	1375 ~ 1410	35	45	-	dB	
	1850 ~ 1920	30	40	-	dB	
VSWR	925 ~ 960	-	1.7	2.0	-	
<b>Filter 2 : DCS1800- Rx (Passband : 1805 ~ 1880 MHz)</b>						
Item	Condition (MHz)	Value			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	1805 ~ 1880	-	2.5	3.5	dB	
		-	-	3.0	dB	+25 ± 2 °C
Ripple	1805 ~ 1880	-	1.0	2.2	dB	
Absolute attenuation	DC ~ 1300	20	21	-	dB	
	1355 ~ 1430	20	22	-	dB	
	1600 ~ 1710	22	25	-	dB	
	1710 ~ 1785	10	27	-	dB	
		20	-	-	dB	+25 ± 2 °C
	1920 ~ 1980	25	32	-	dB	
3610 ~ 3760	20	27	-	dB		
VSWR	1805 ~ 1880	-	2.4	2.8	-	
Operating temperature		-30	+25	+85	°C	
Storage temperature		-40	-	+100	°C	

# 1. Dimensions and Pin assignment of G6CS series



Aug. 24, 2001  
Version (1.3)



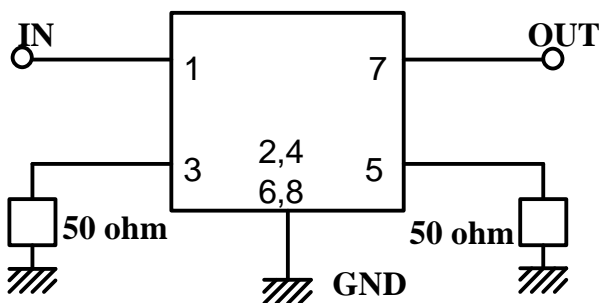
1 ~ 8 : Pin No. Unit : mm

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

Filter No.	Passband(MHz)	System
1	925 ~ 960	EGSM-Rx
2	1805 ~ 1880	DCS1800-Rx

## 2. Test condition

< Filter 1 >



< Filter 2 >

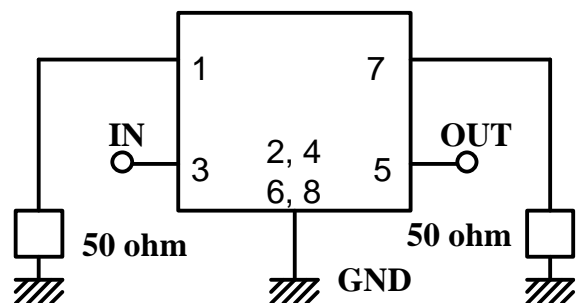


Fig. 1

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	EGSM/DCS1800(Rx) Dual SAW Filter	DATE	Mar. 19, 2002
FMD Part Number	FAR-G6CS-1G8425-L257	Version 2.0	

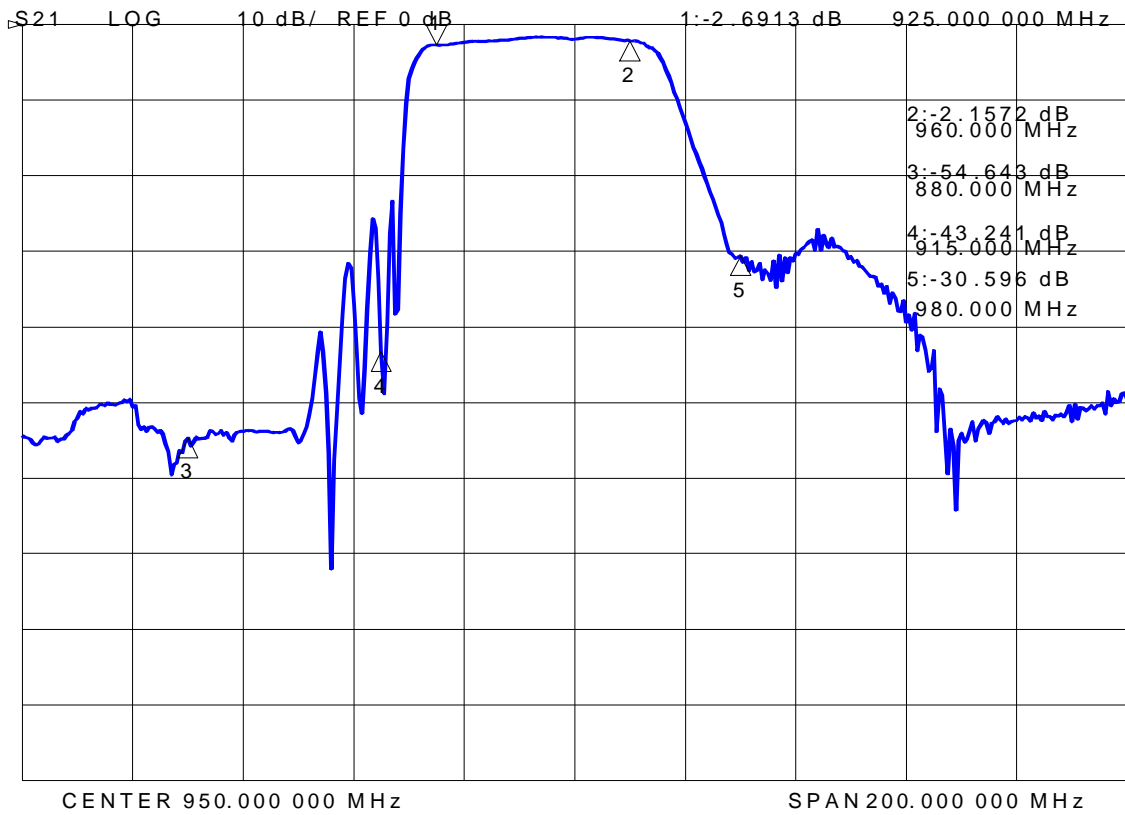


Figure 2-1. Pass-band characteristics of filter 1

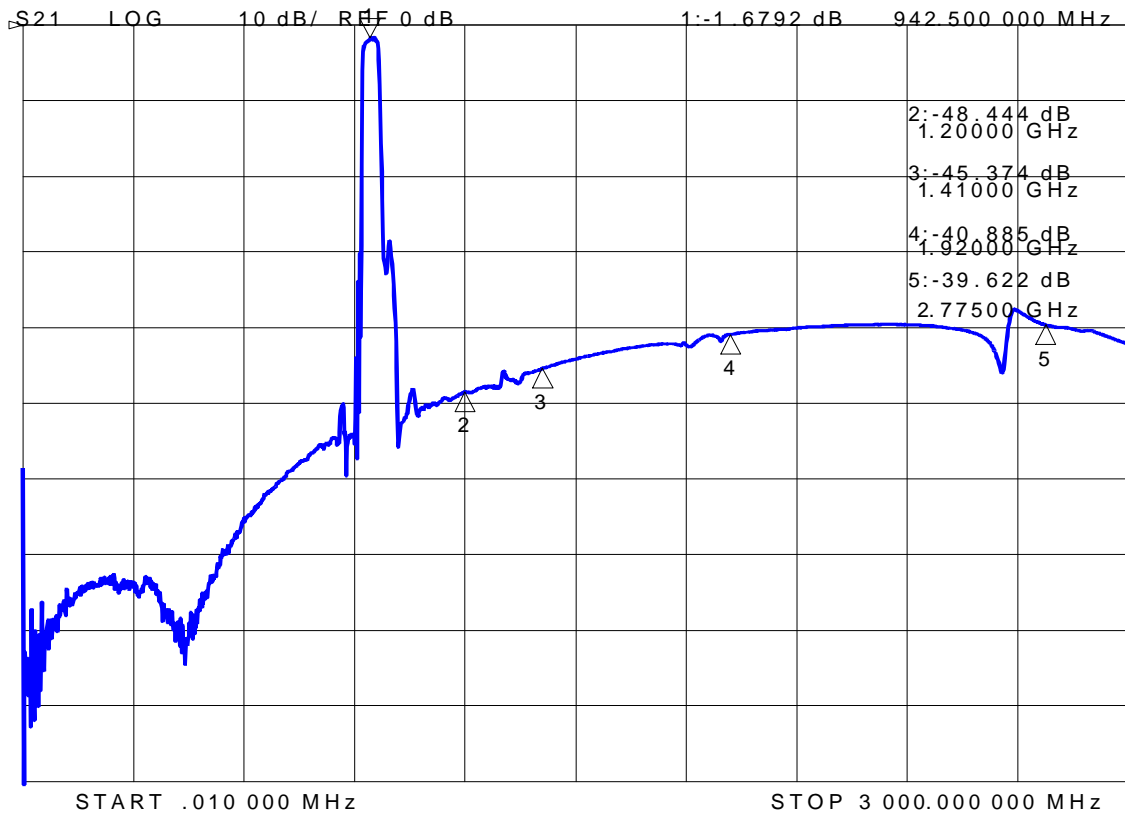


Figure 2-2. Wide-band characteristics of filter 1

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	EGSM/DCS1800(Rx) Dual SAW Filter	DATE	Mar. 19, 2002
FMD Part Number	FAR-G6CS-1G8425-L257	Version 2.0	

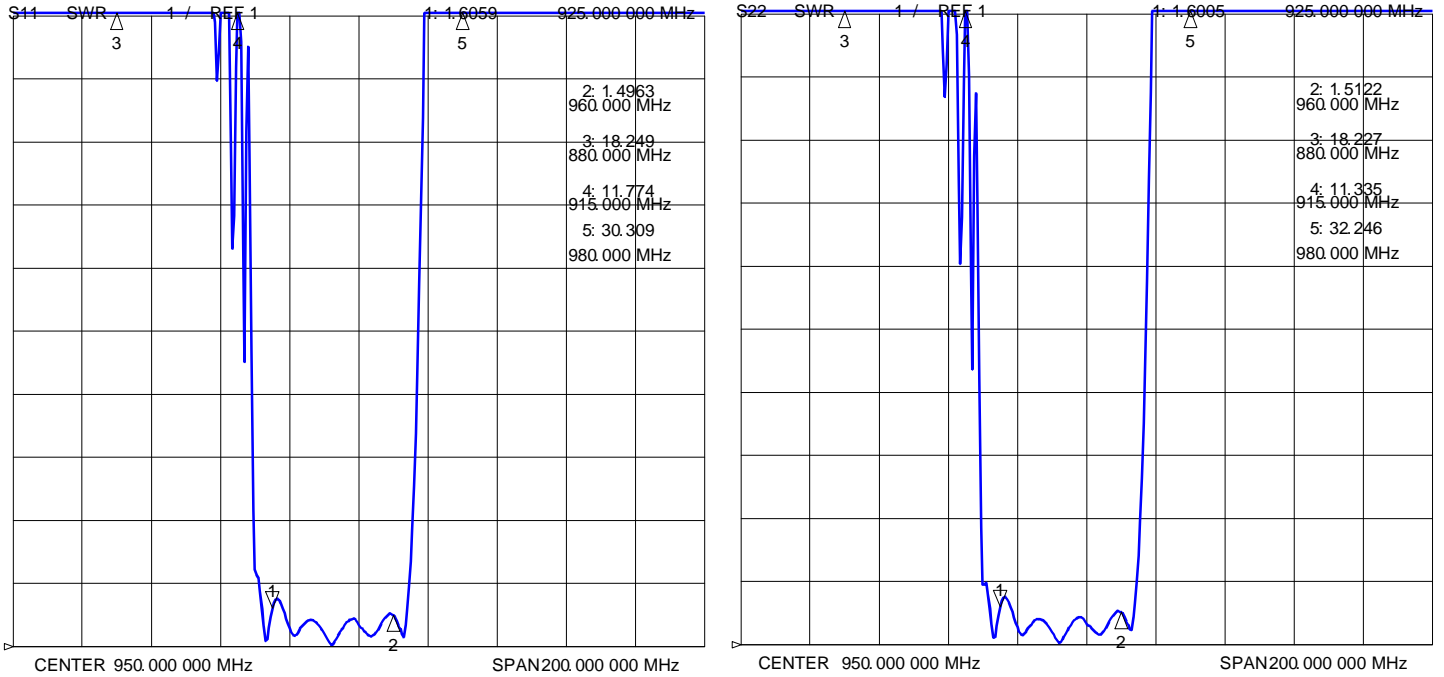


Figure 2-3. VSWR of filter 1

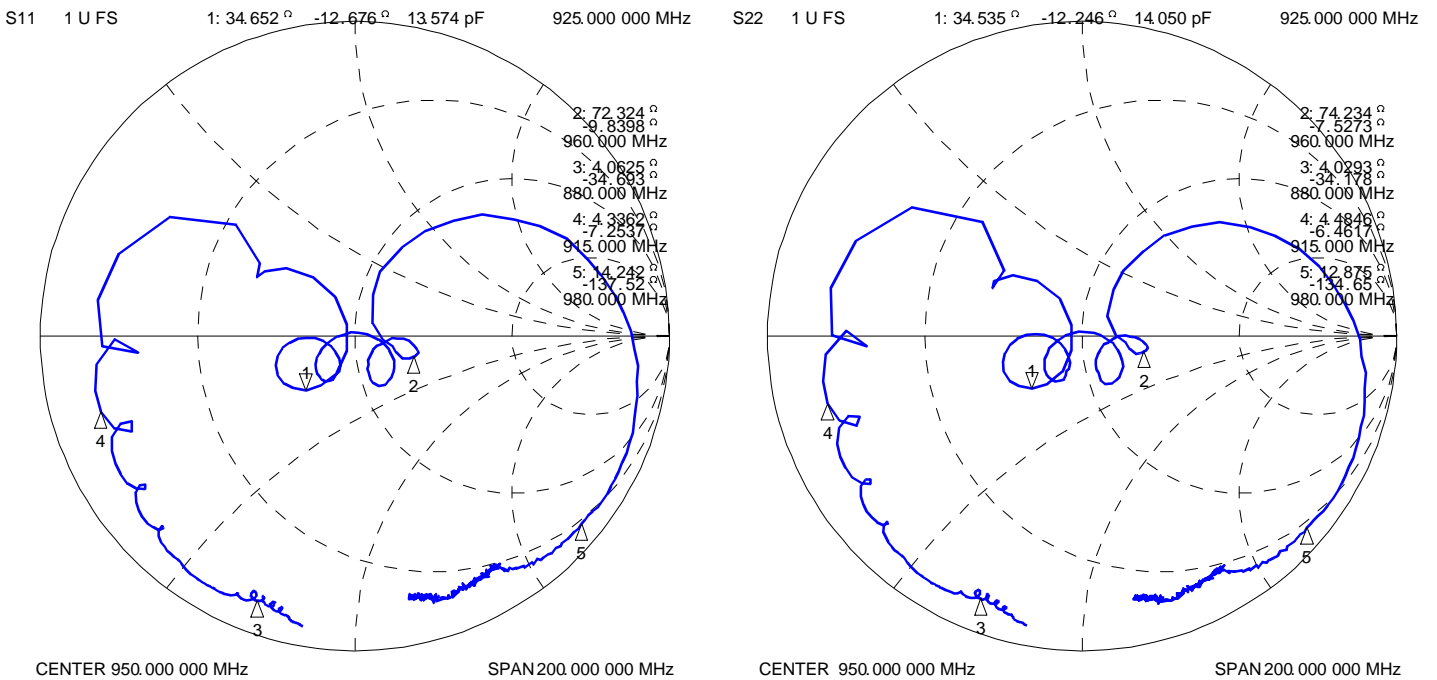


Figure 2-4. Impedance of filter 1

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	EGSM/DCS1800(Rx) Dual SAW Filter	DATE	Mar. 19, 2002
FMD Part Number	FAR-G6CS-1G8425-L257	Version 2.0	

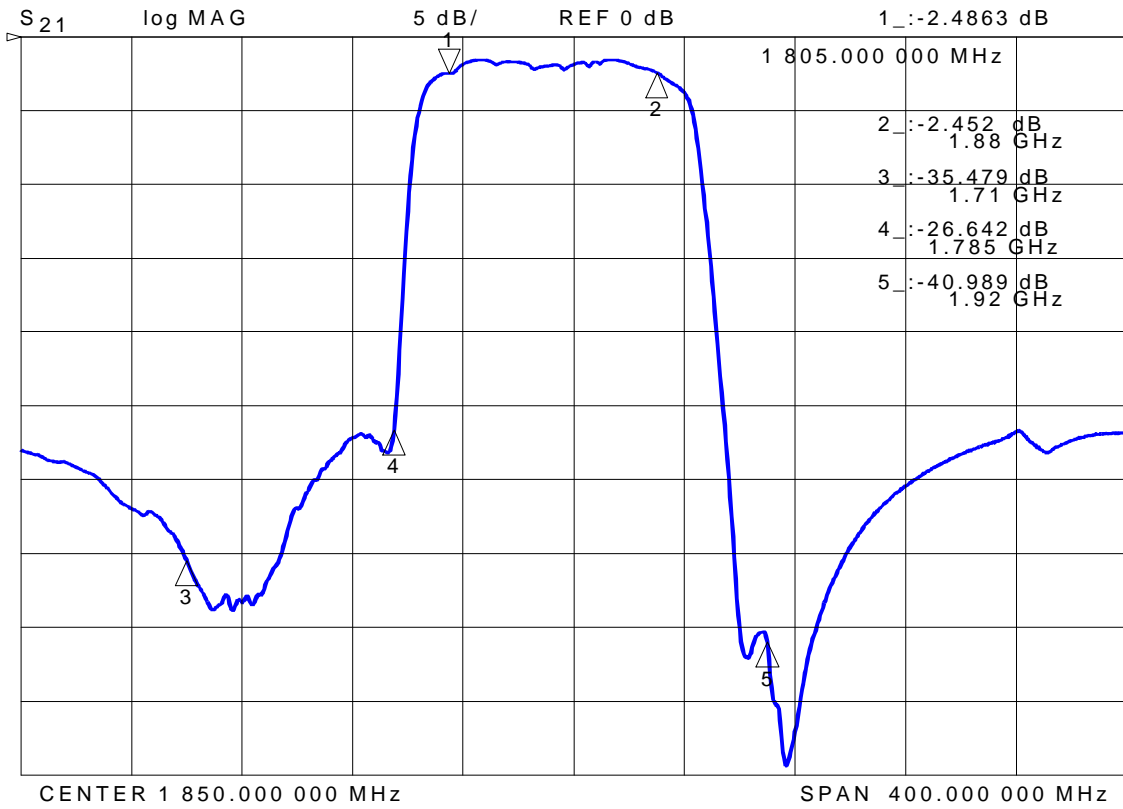


Figure 3-1. Pass-band characteristics of filter 2

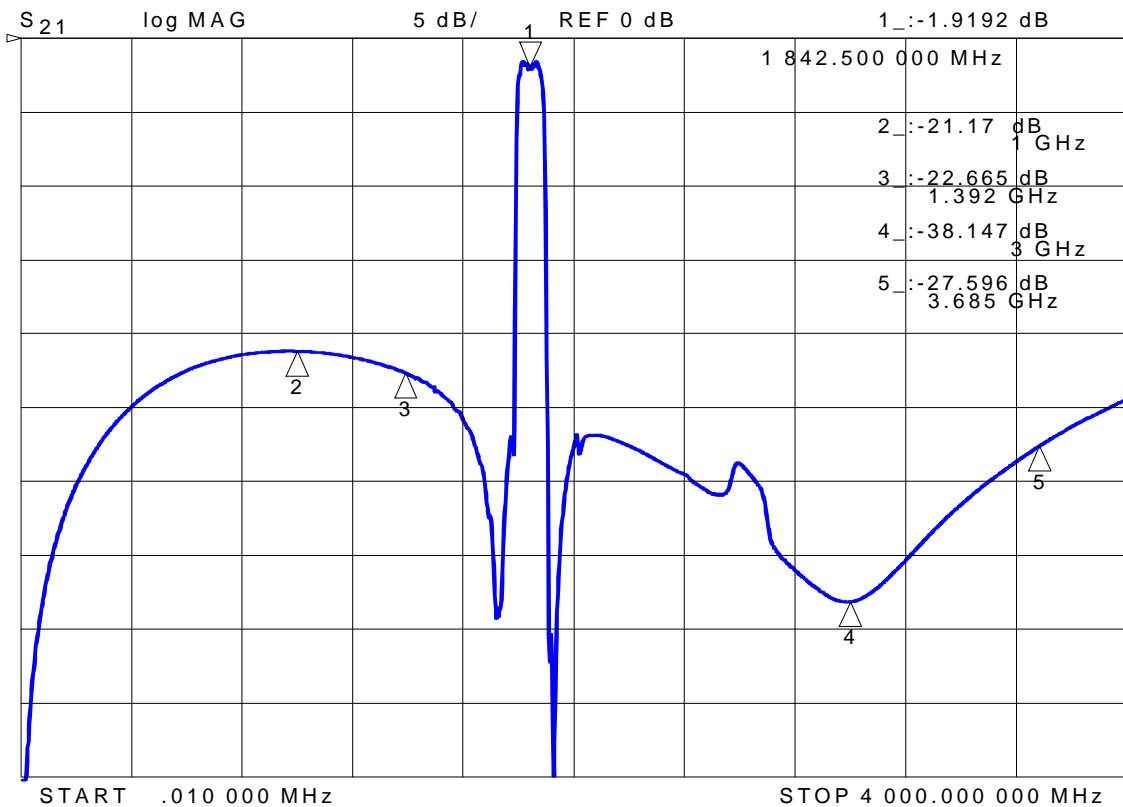


Figure 3-2. Wide-band characteristics of filter 2

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	EGSM/DCS1800(Rx) Dual SAW Filter	DATE	Mar. 19, 2002
FMD Part Number	FAR-G6CS-1G8425-L257	Version 2.0	

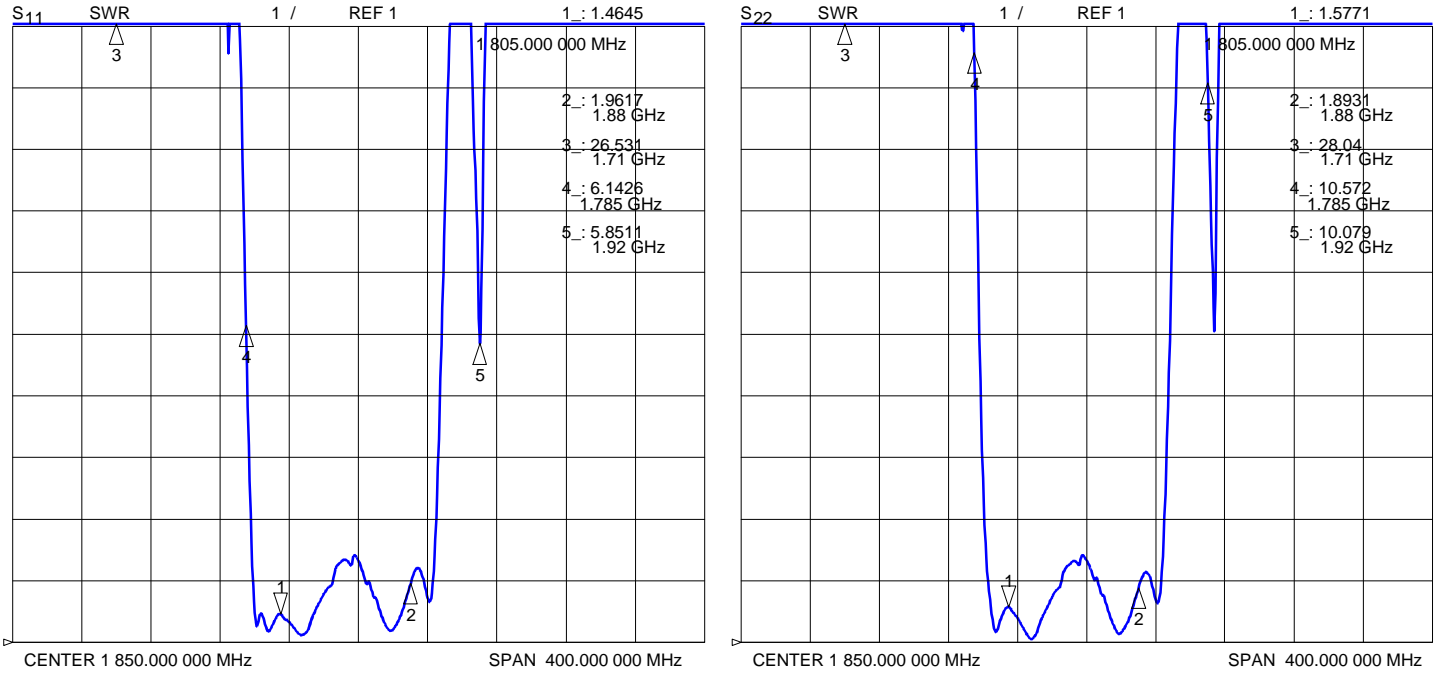


Figure 3-3. VSWR of filter 2

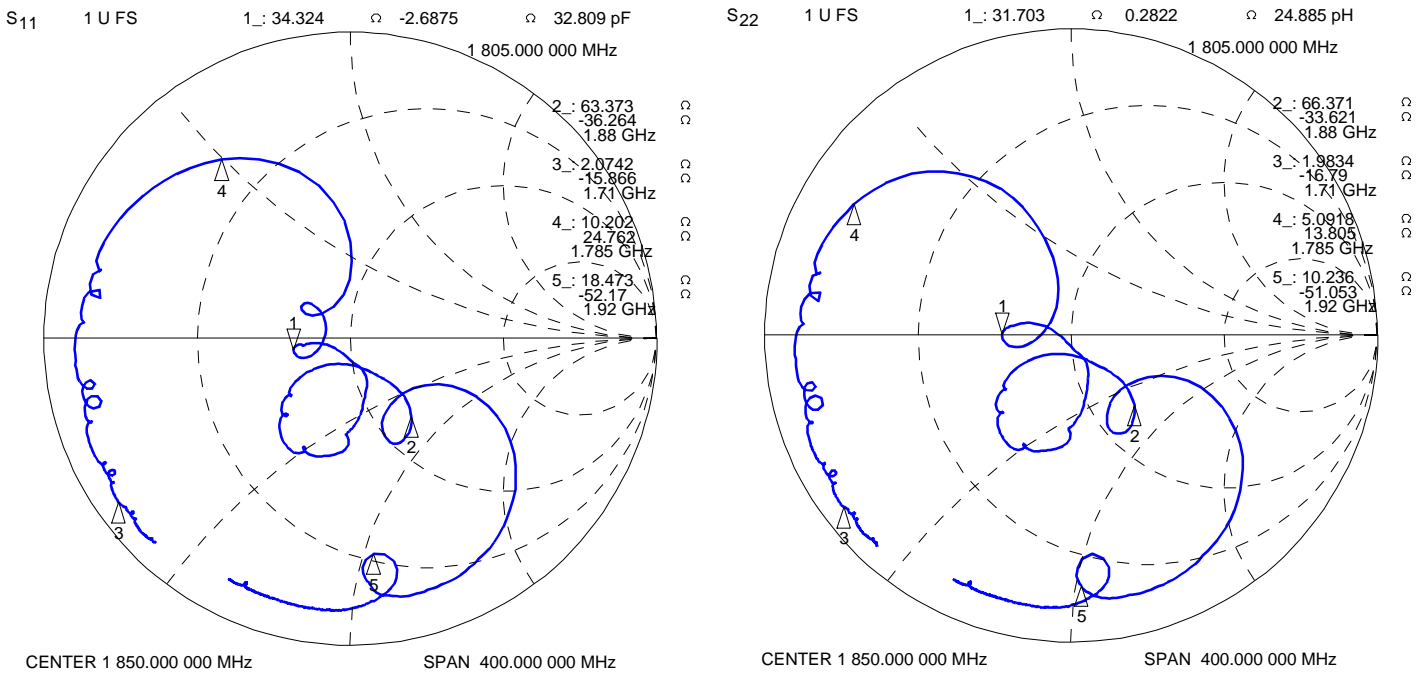


Figure 3-4. Impedance of filter 2