

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
System	AMPS/PCS(Rx) Dual SAW Filter	DATE	Mar. 20, 2002
FMD Part Number	FAR-G6CS-1G9600-L255	Version 3.0	Preliminary

Table 1. Electrical specifications

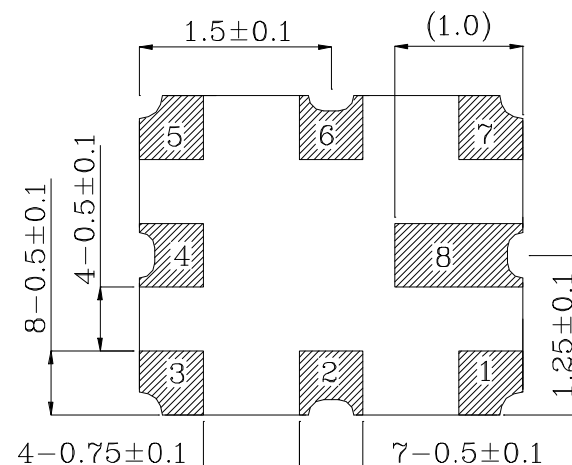
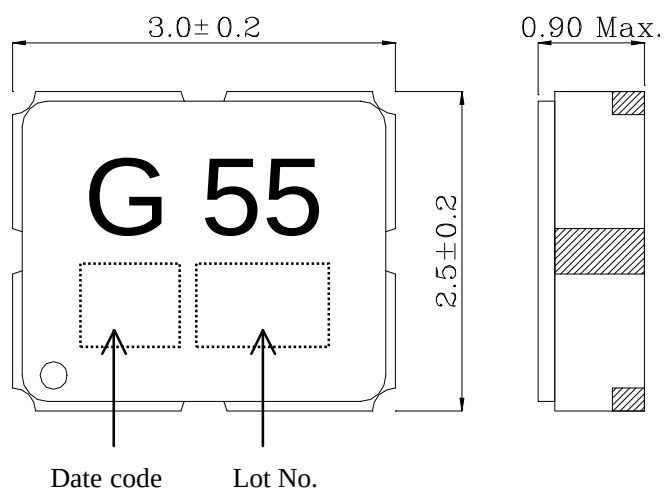
Filter 1 : AMPS-Rx (Passband : 869 ~ 894 MHz)						
Item	Condition (MHz)	Value			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	869 ~ 894	–	2.0	2.5	dB	
Ripple	869 ~ 894	–	0.5	1.0	dB	
Absolute attenuation	DC ~ 800	40	50	–	dB	
	824 ~ 849	40	46	–	dB	
	914 ~ 1100	26	30	–	dB	
	1100 ~ 1500	35	42	–	dB	
	1738 ~ 2000	30	38	–	dB	
	2400 ~ 2483	30	36	–	dB	
VSWR	869 ~ 894	–	1.7	2.0	–	
Filter 2 : PCS-Rx (Passband : 1930 ~ 1990 MHz)						
Item	Condition (MHz)	Value			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	1930 ~ 1990	–	2.4	3.4	dB	
		–	–	2.8	dB	+25 ± 2 °C
Ripple	1930 ~ 1990	–	0.9	2.0	dB	
Absolute attenuation	DC ~ 1600	21	23	–	dB	
	1600 ~ 1850	21	24	–	dB	
	1850 ~ 1910	15	23	–	dB	
		17	–	–	dB	–30~+70 °C
	2010 ~ 2070	10	16	–	dB	+25 ± 2 °C
	2070 ~ 2100	25	31	–	dB	
	2400 ~ 2483	25	28	–	dB	
	3860 ~ 3980	23	27	–	dB	
VSWR	1930 ~ 1990	–	1.8	2.3	–	
Operating temperature		–30	+25	+85	°C	
Storage temperature		–40	–	+100	°C	

1. Dimensions and Pin assignment of G6CS series

Preliminary

July 11, 2001

Version (1.3)



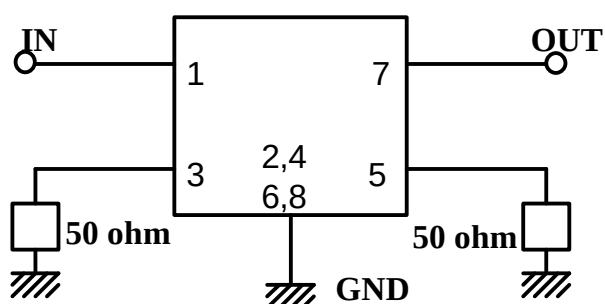
1 ~ 8 : Pin No. Unit : mm

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	869 ~ 894	AMPS-Rx
2	1930 ~ 1990	PCS-Rx

2. Test condition

< Filter 1 >



< Filter 2 >

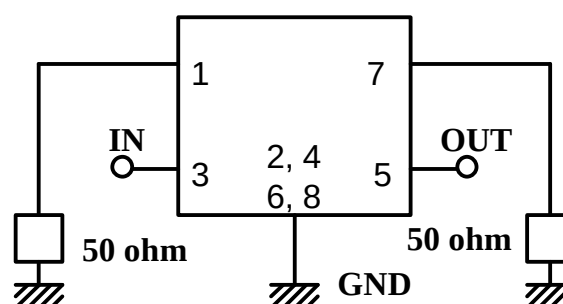


Fig. 1

Customer Name	Standard	FUJITSU MEDIA DEVICES LIMITED	
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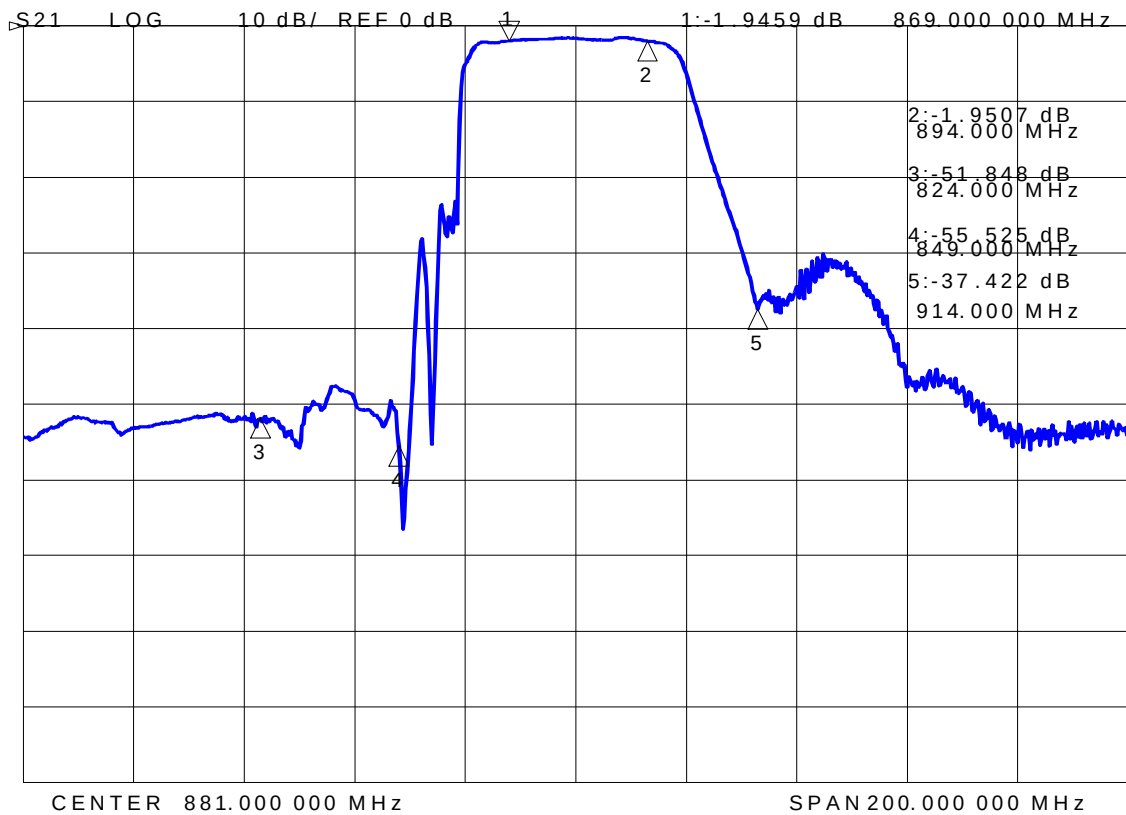


Figure 2-1. Pass-band characteristics of filter 1

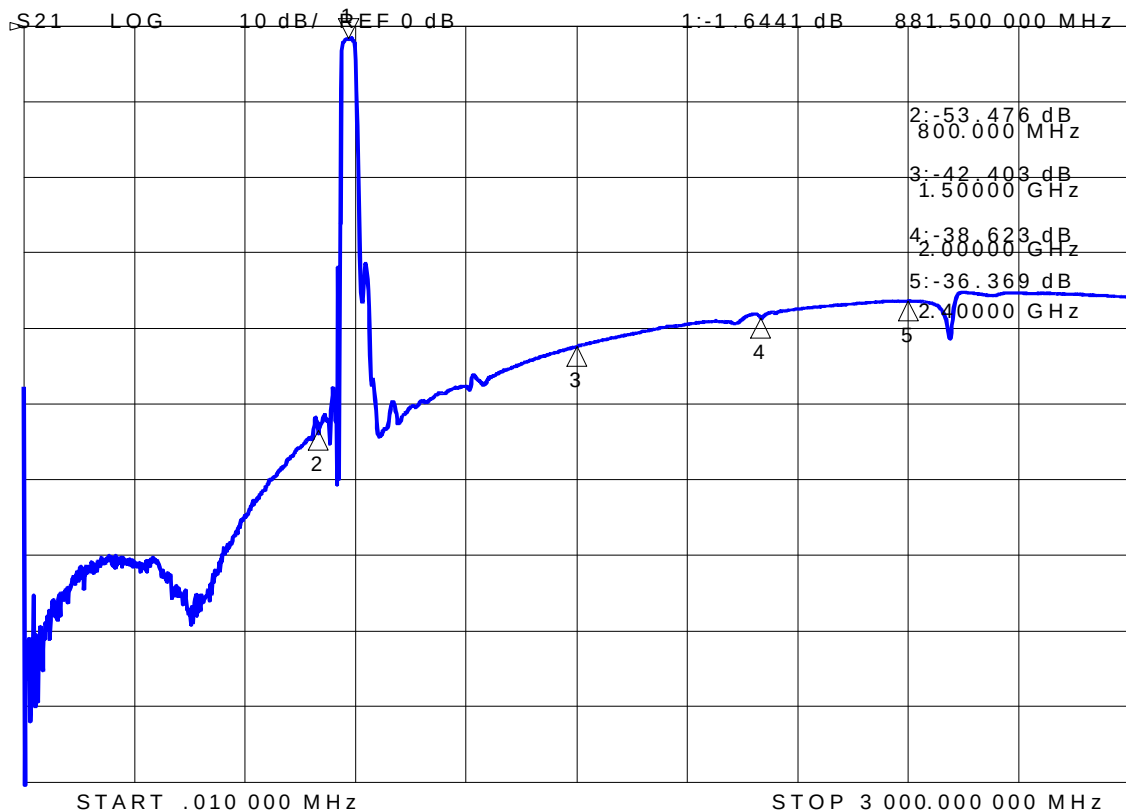


Figure 2-2. Wide-band characteristics of filter 1

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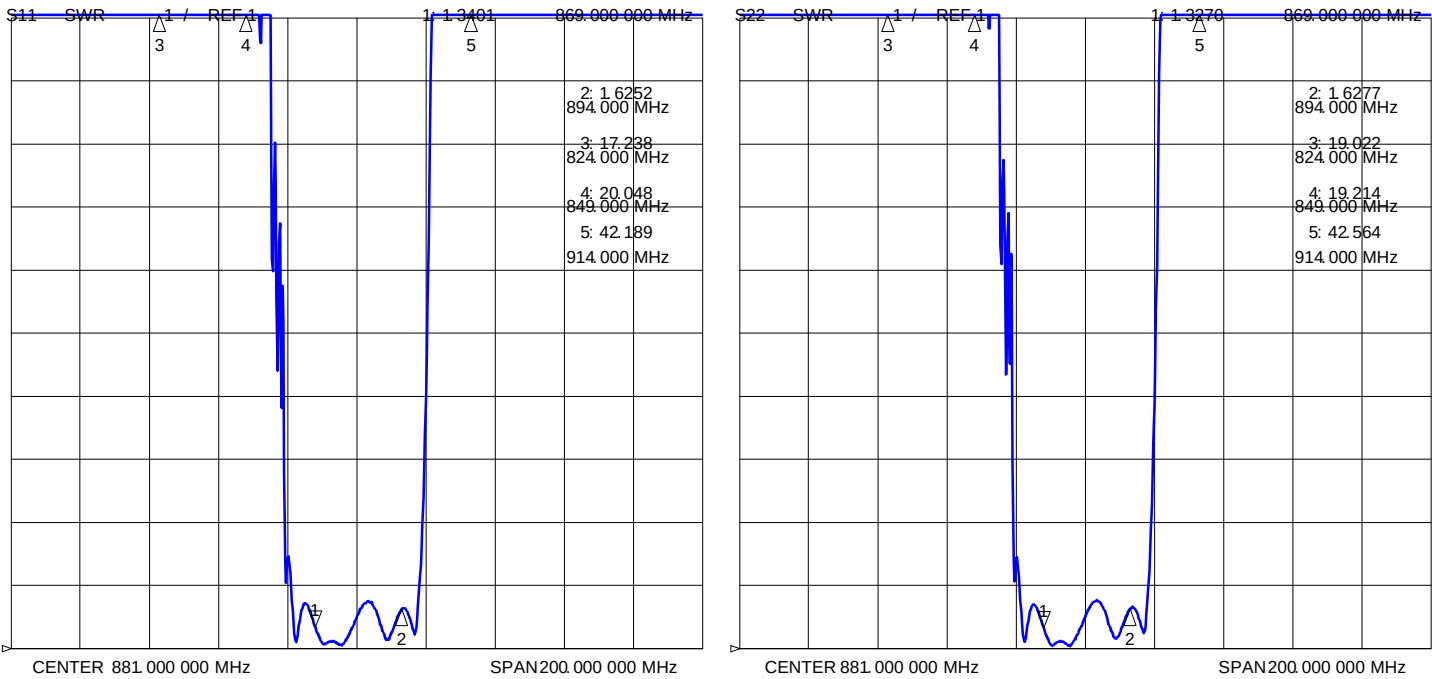


Figure 2-3. VSWR of filter 1

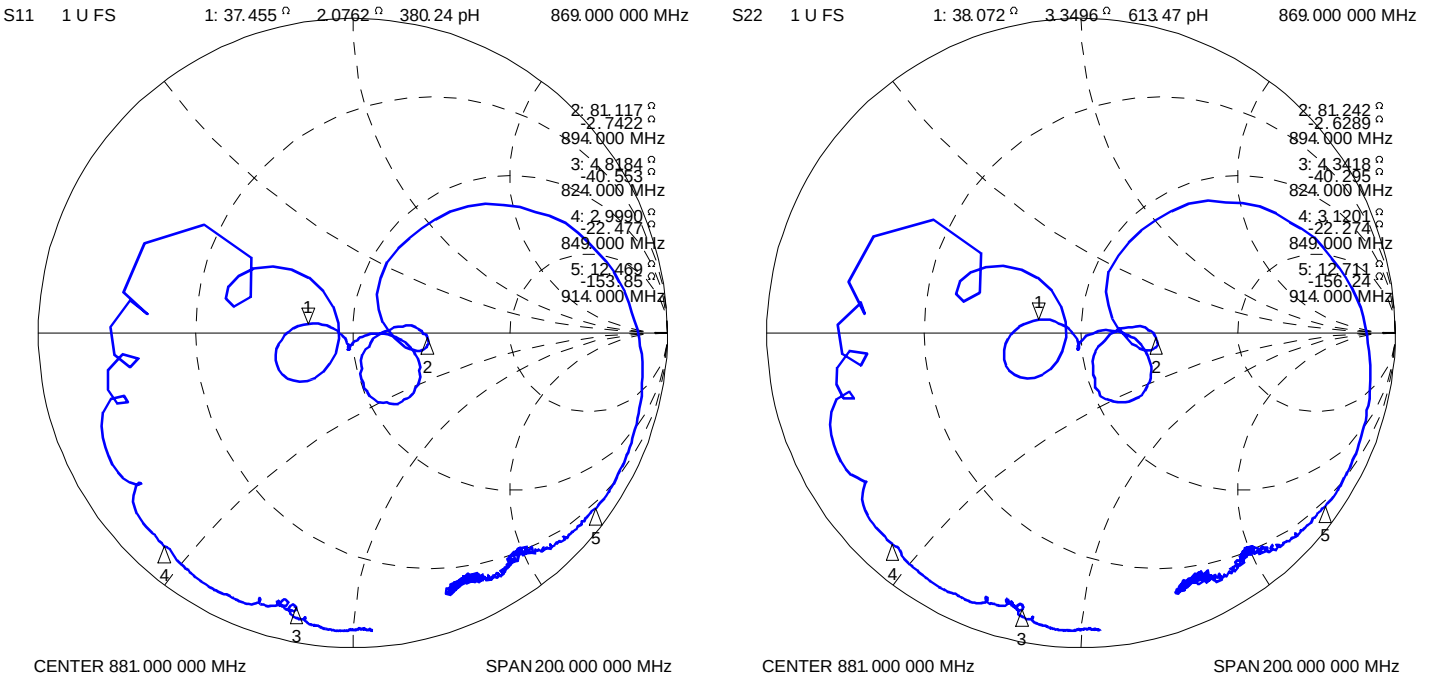


Figure 2-4. Impedance of filter 1

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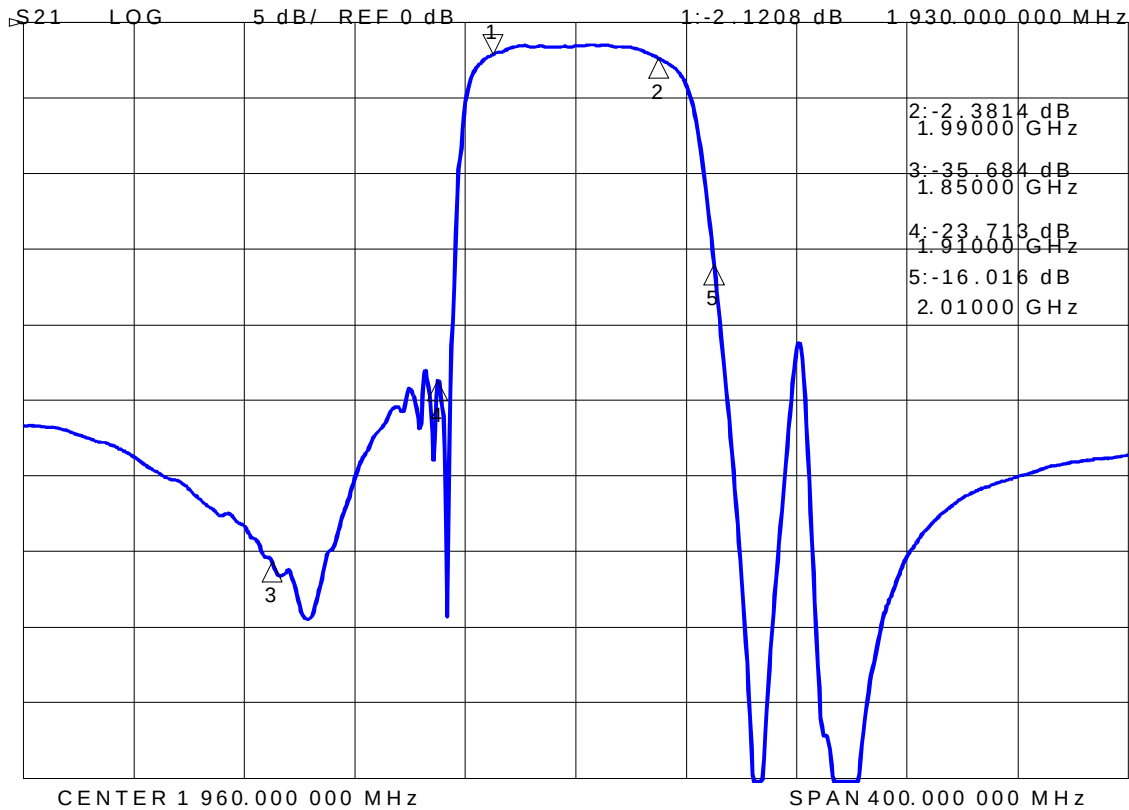


Figure 3-1. Pass-band characteristics of filter 2

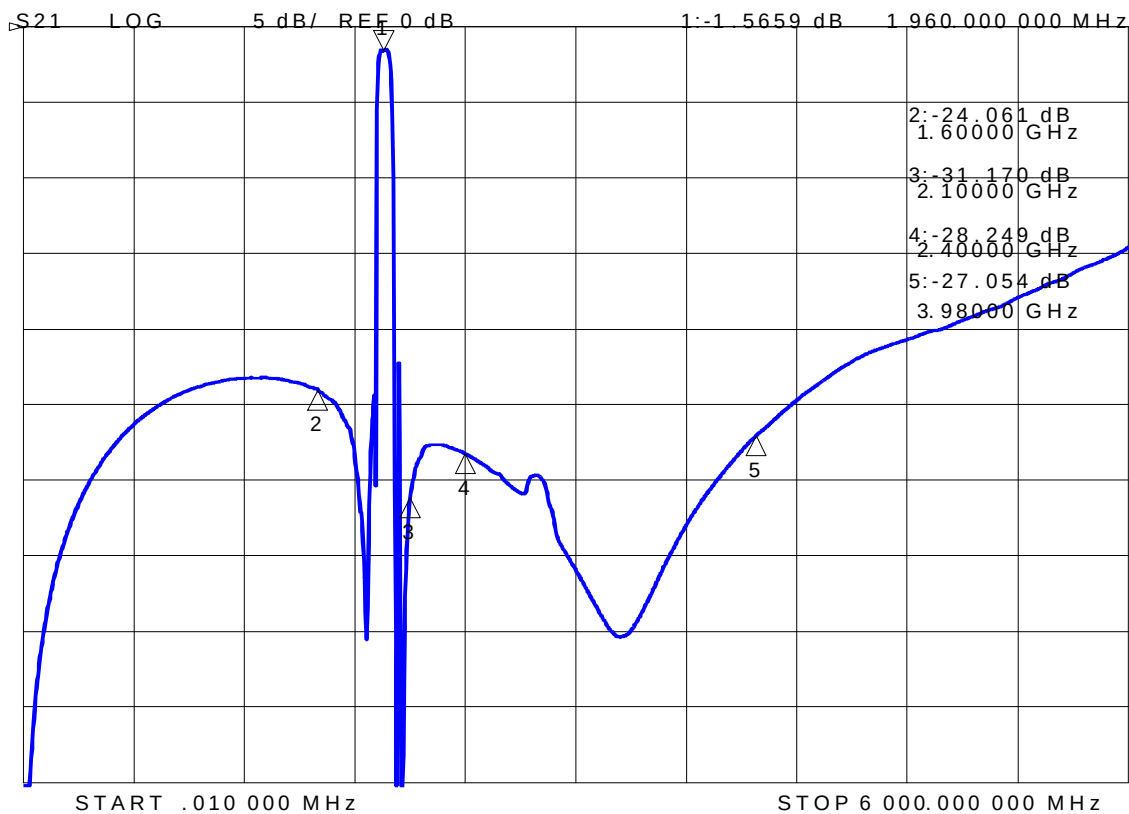


Figure 3-2. Wide-band characteristics of filter 2

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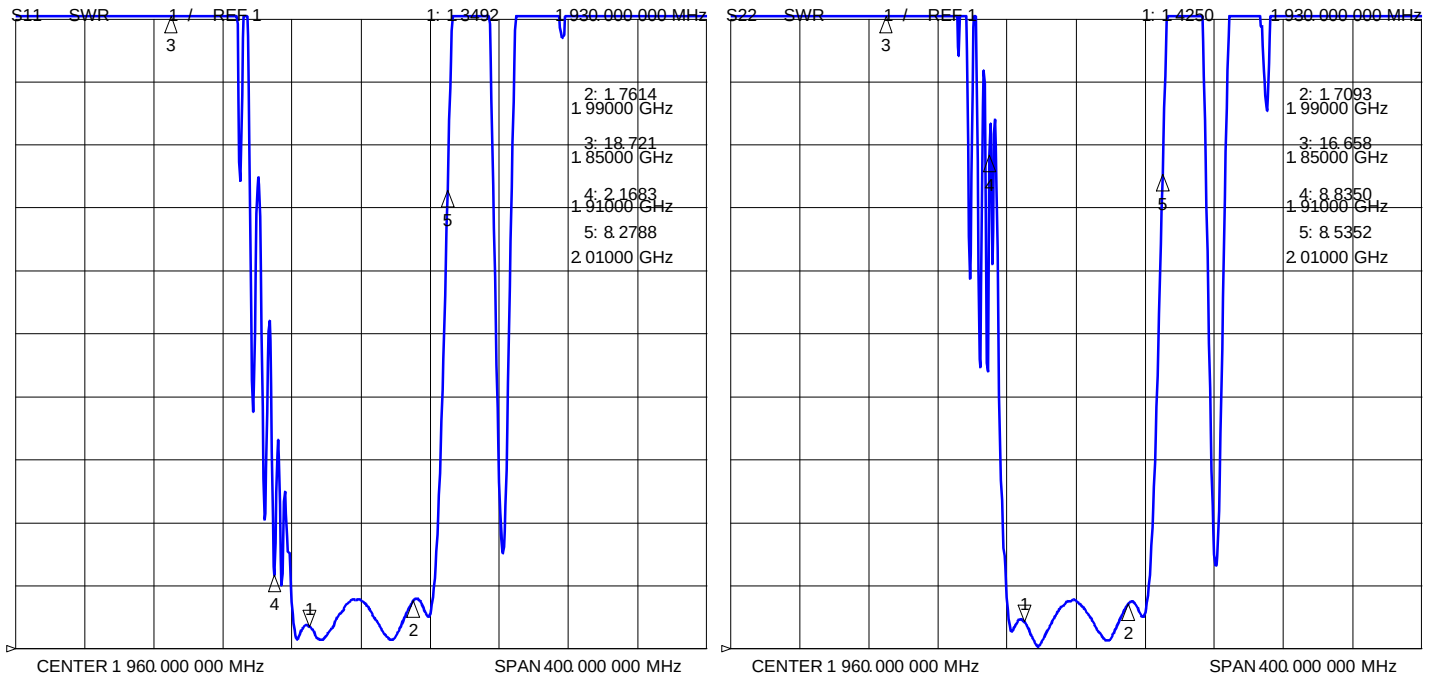


Figure 3-3. VSWR of filter 2

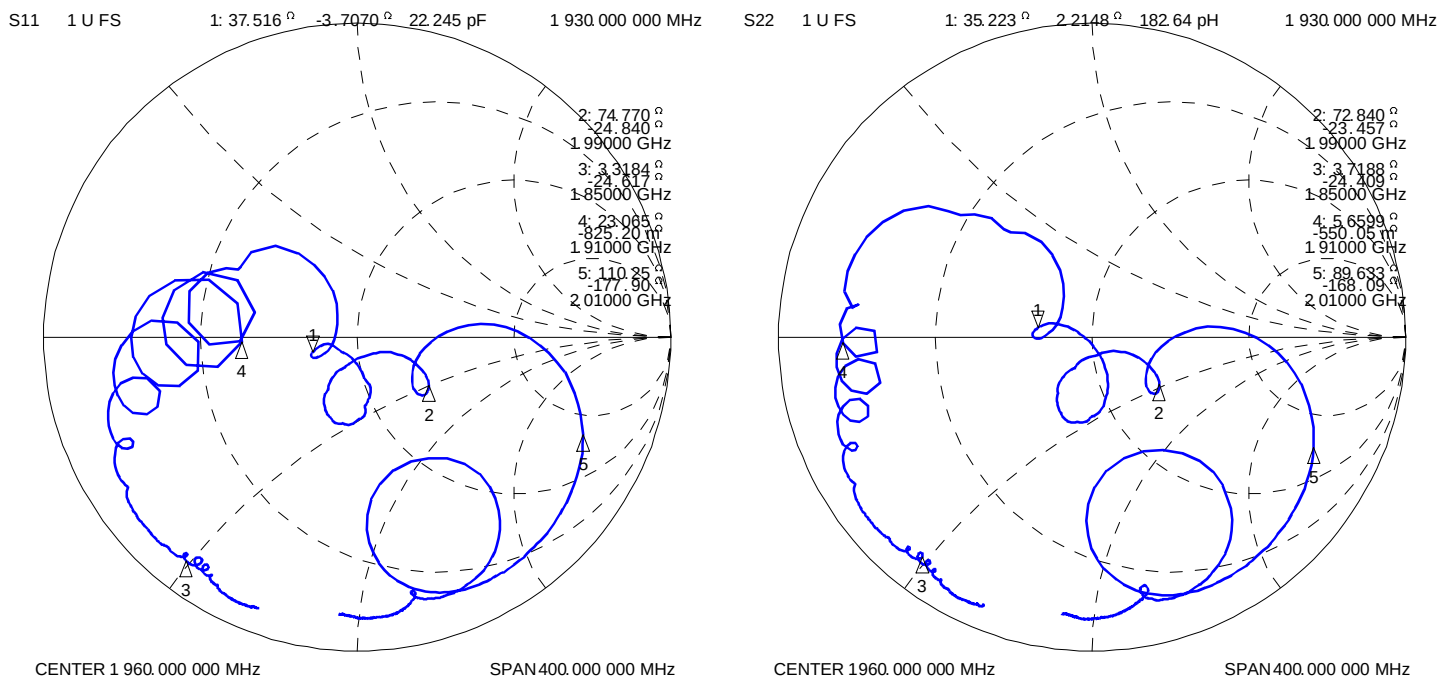


Figure 3-4. Impedance of filter 2