

Customer Name	Standard Specification	FUJITSU MEDIA DEVICES LIMITED	
System	EGSM-Rx (50/150ohm)	DATE	May 28, 2003
FMD Part Number	FAR-F5EC-942M50-B29C	Version 4.0d	
Customer No.		Reference No.	

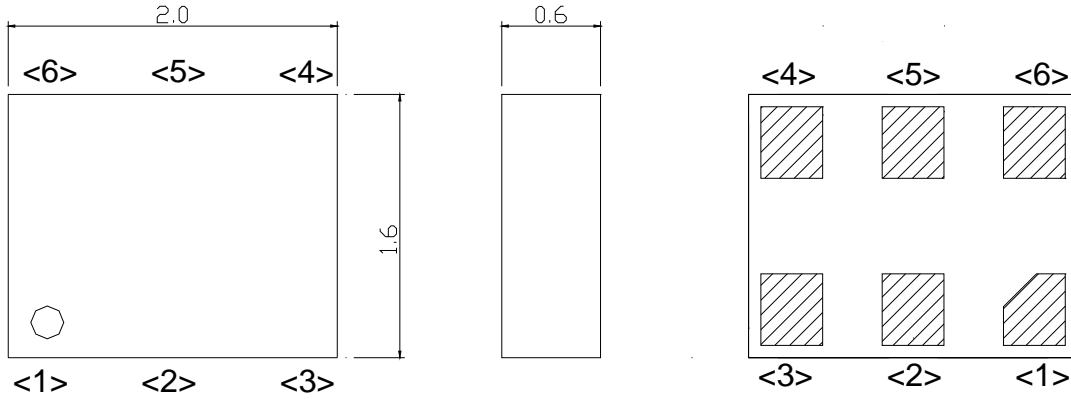
Table 1 Electrical Specification

Passband : 925 ~ 960 MHz						
Item	Condition (MHz)	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	925 ~ 960	-	2.1	2.8	dB	
Ripple	925 ~ 960	-	0.7	1.6	dB	
Absolute attenuation	DC ~ 880	35	51	-	dB	
	880 ~ 905	30	47	-	dB	
	905 ~ 915	17	33	-	dB	
	980 ~ 1025	25	31	-	dB	
	1025 ~ 2880	35	47	-	dB	
	2880 ~ 6000	30	42	-	dB	
VSWR	925 ~ 960	-	1.8	2.2	-	
Output Amplitude Balance	925 ~ 960	-1.0	+0.3/ 0.0	+1.0	dB	
Output Phase Balance	925 ~ 960	-10	+5/ +3	+10	deg	
Input Impedance	Unbalanced	50			ohm	
Output Impedance	Balanced	150//47nH			ohm	
Operating temperature		-30 ~ +85			°C	
Device size		2.0typ. x 1.6typ. x 0.6max.			mm	

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● **Dimensions**

Device size: 2.0typ. x 1.6typ. x 0.6max.

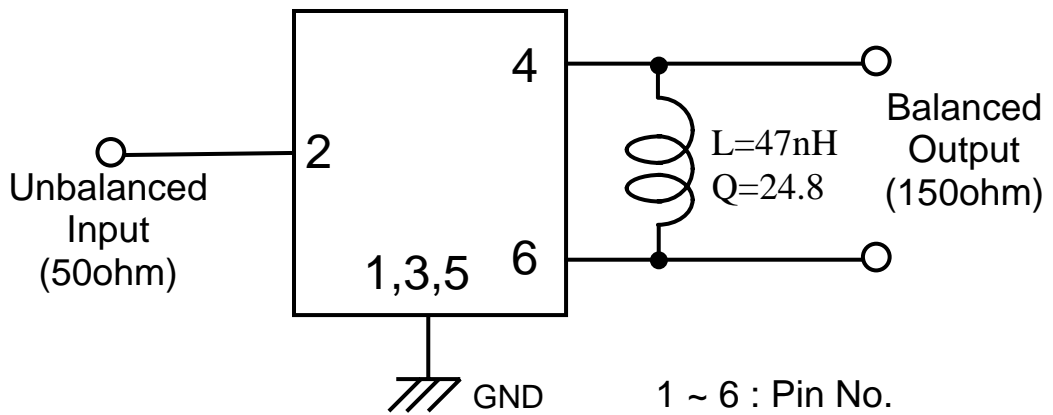


Unit: mm

● **Pin Configuration**

Pin No.	Symbol	Function
1	GND	Ground
2	IN	Unbalanced pin
3	GND	Ground
4	OUT	Balanced pin
5	GND	Ground
6	OUT	Balanced pin

● **Evaluation Circuit**



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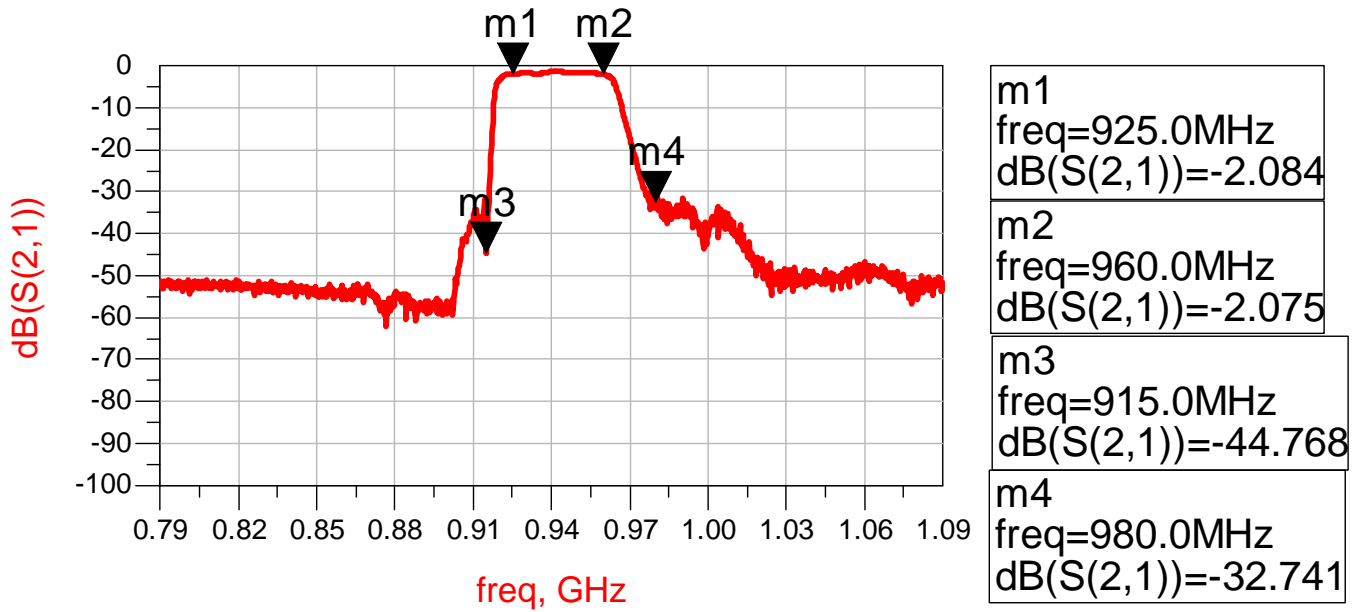


Fig.1 Pass-band Characteristics

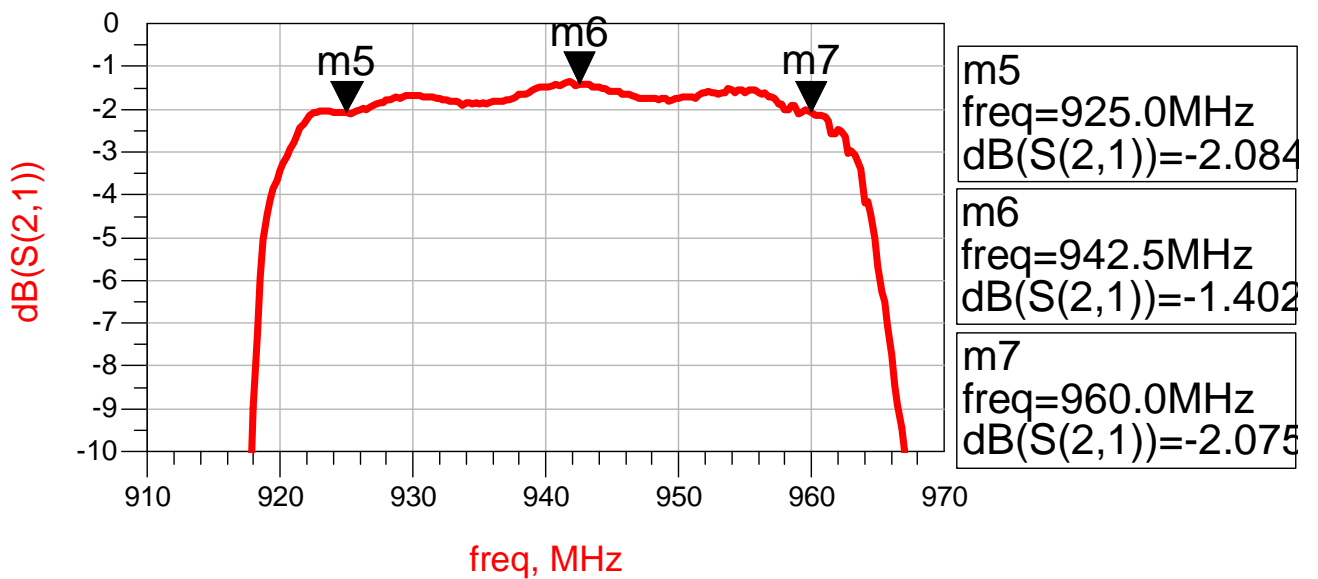


Fig.2 In-band Characteristics

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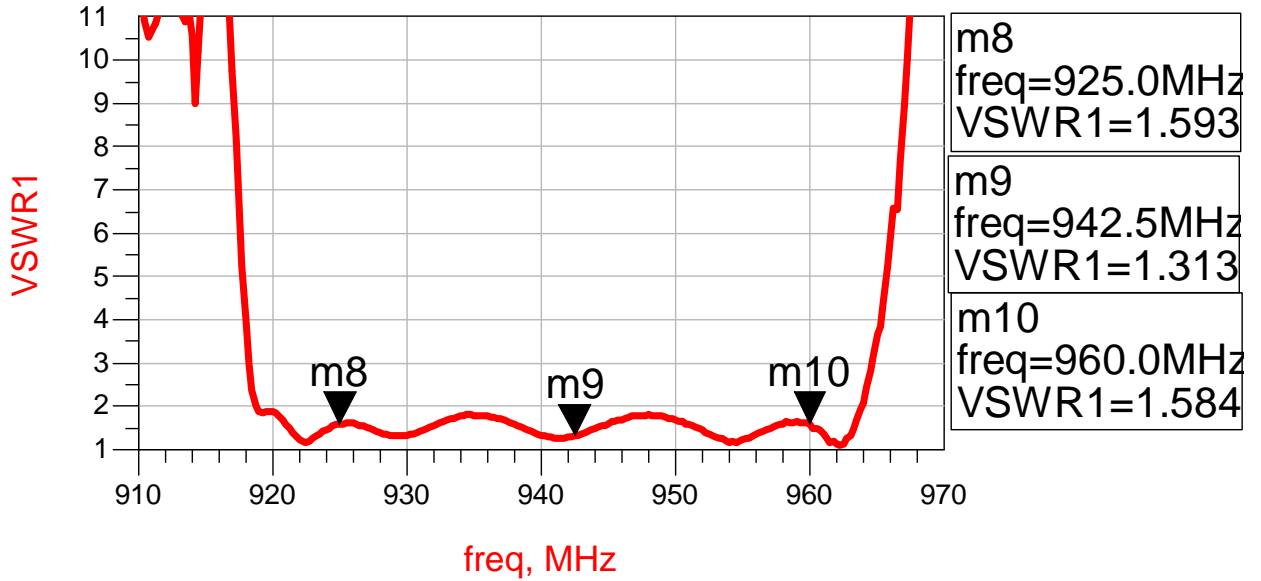


Fig.3 VSWR(Unbal.)

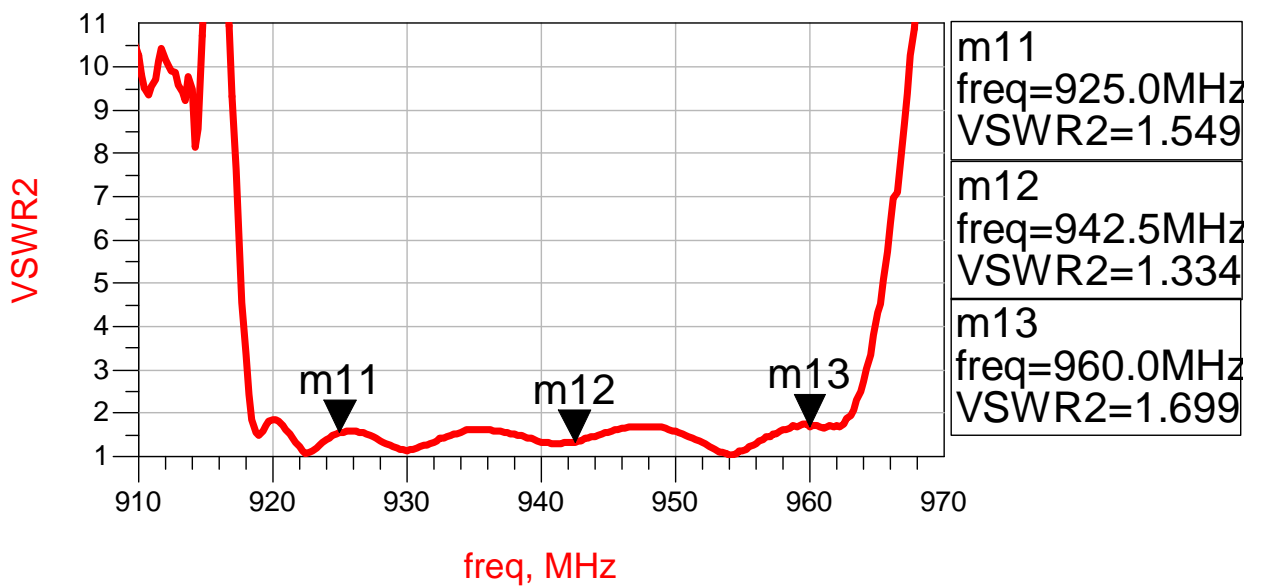


Fig.4 VSWR(Bal.)

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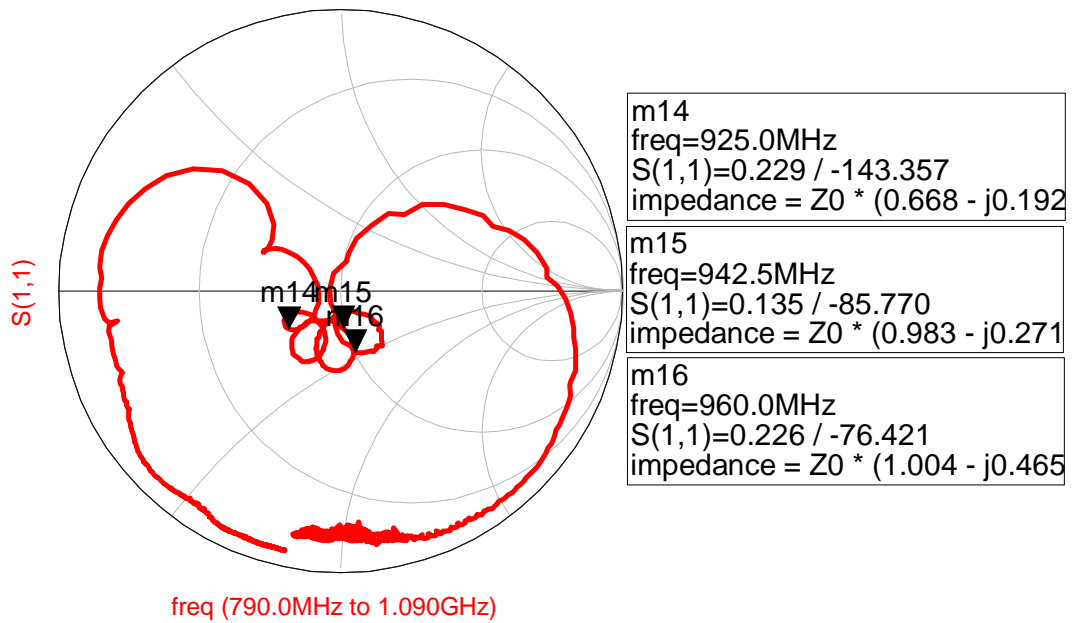


Fig.5 Impedance S11 (Unbal.)

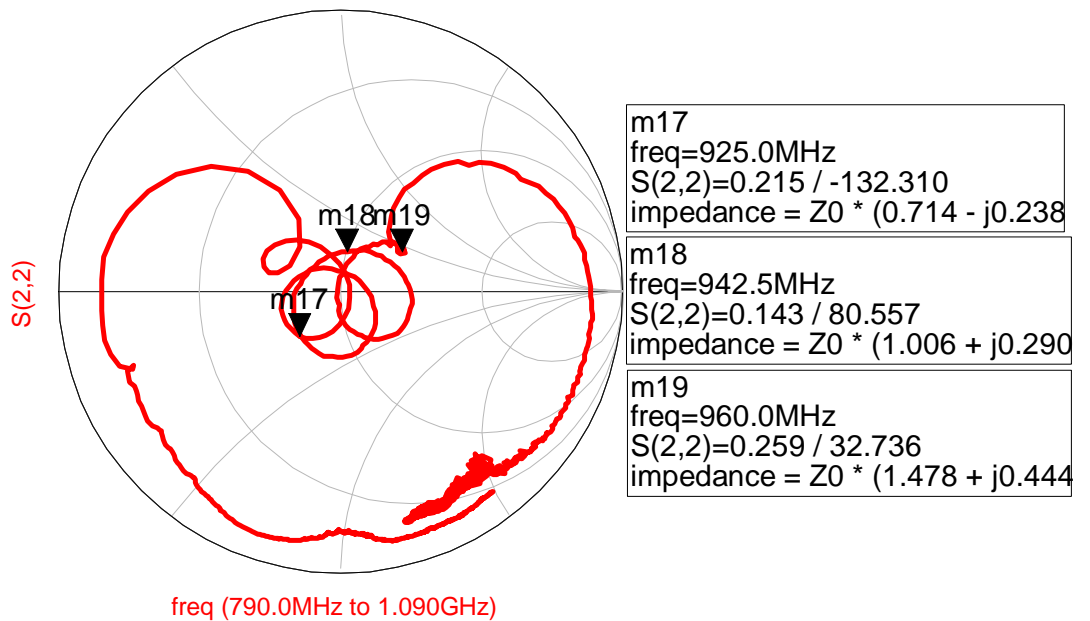


Fig.6 Impedance S22 (Bal.)

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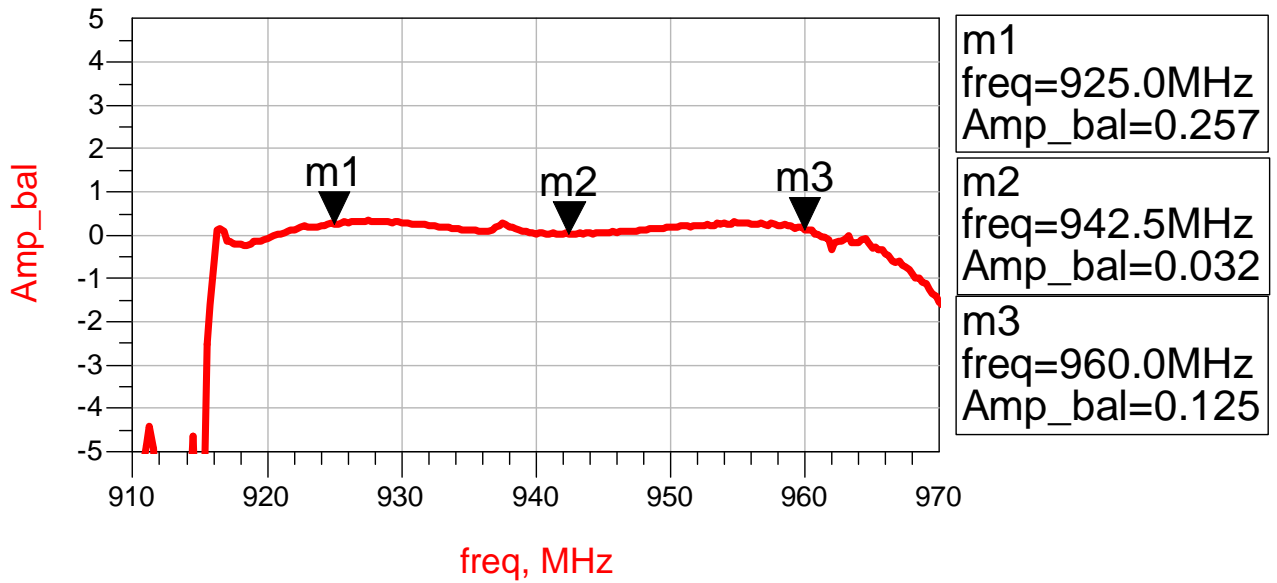


Fig.7 Amplitude balance

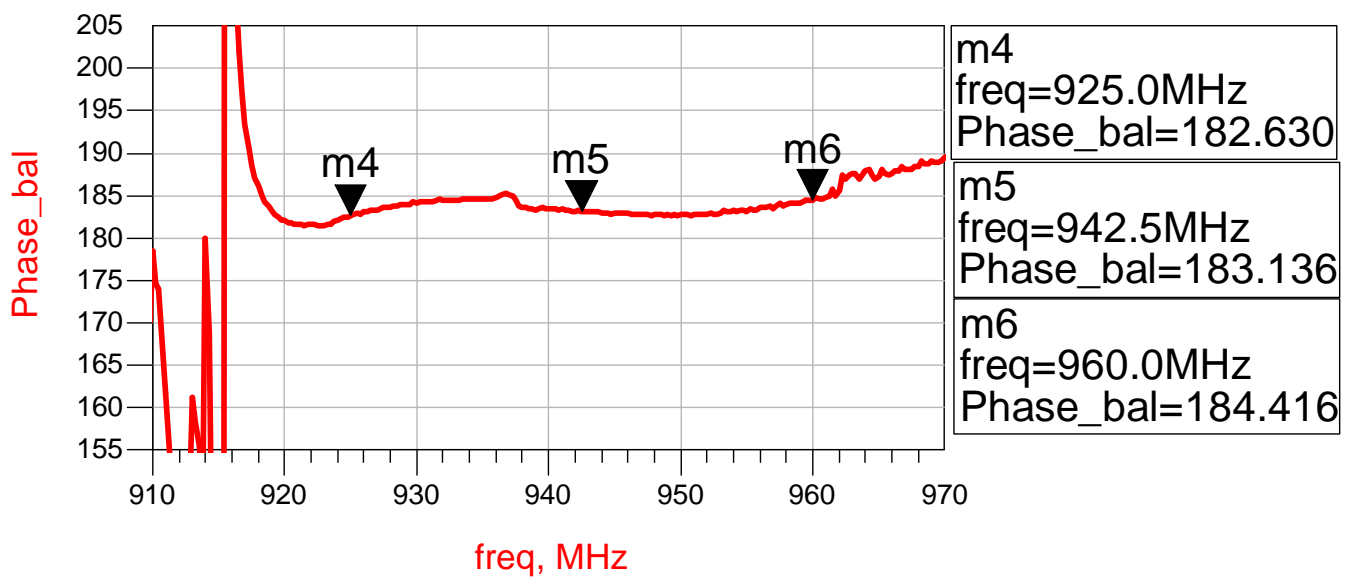


Fig.8 Phase balance

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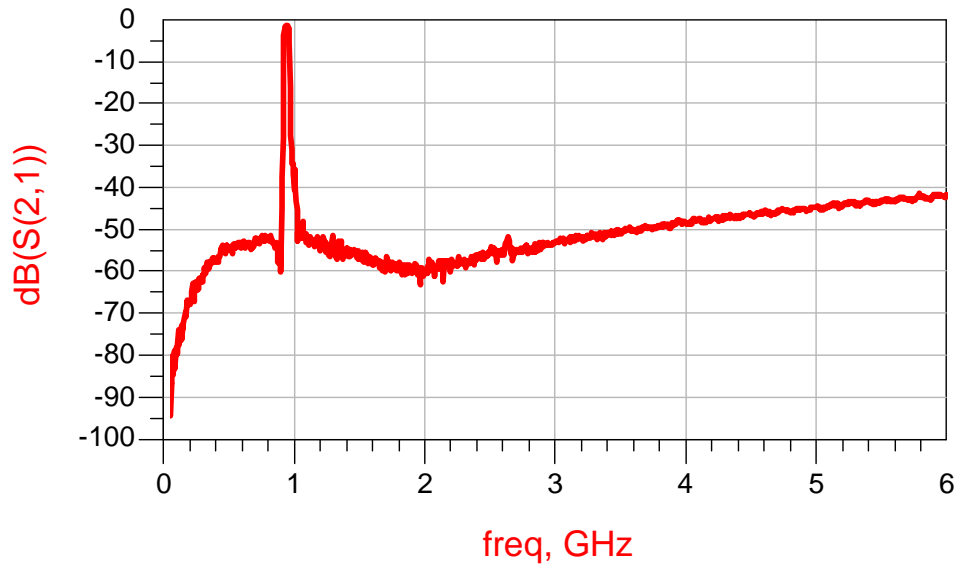


Fig.9 Wide-band Characteristics