

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
System	GSM850 Rx (50/150ohm)	DATE	May.09, 2003
FMD Part Number	FAR-F5EC-881M50-B29P	Version 1.0a	

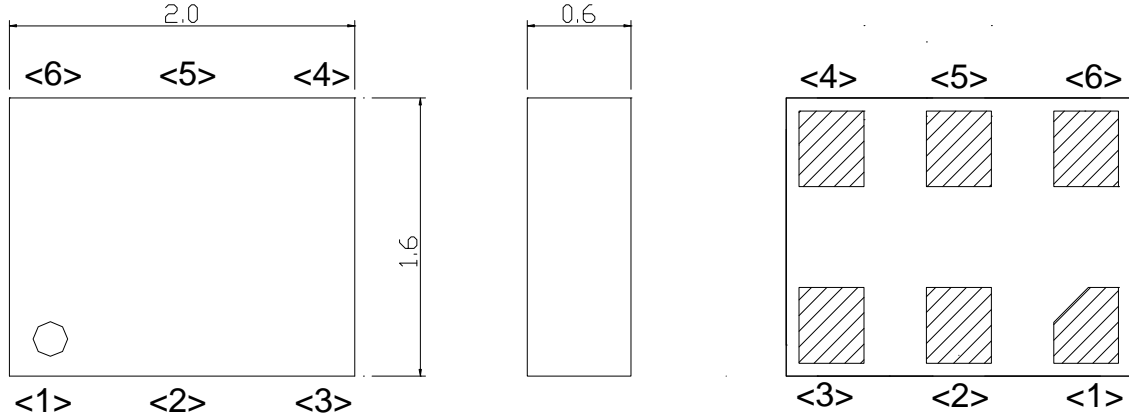
Table 1.Electrical specifications

Passband:869 ~ 894 MHz						
Item	Condition	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	869~894 MHz	–	1.9	2.6	dB	
Ripple	869~894 MHz	–	0.6	1.4	dB	
VSWR	869~894 MHz	–	1.7	2.1	–	
Absolute attenuation	DC~800 MHz	40	52	–	dB	
	800~849 MHz	29	44	–	dB	
	914~1000 MHz	23	27	–	dB	
	1000~2000 MHz	40	48	–	dB	
	2000~4000 MHz	30	37	–	dB	
	4000~6000 MHz	18	25	–	dB	
Amplitude balance	869~894 MHz	-1.0	–	+1.0	dB	
Phase balance	869~894 MHz	170	180	190	deg.	
Input Impedance	Single ended	50			Ohm	
Output Impedance	Balance	150			Ohm	
Operating Temperature		-30 ~ +85			°C	
Dimension		2.0typ.x1.6typ.x0.6max.			mm	

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Dimension

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

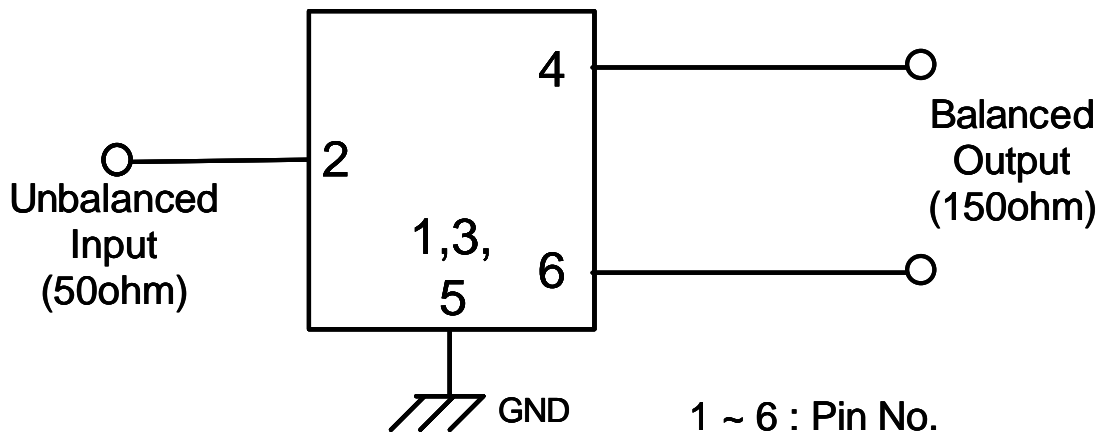


Unit: mm

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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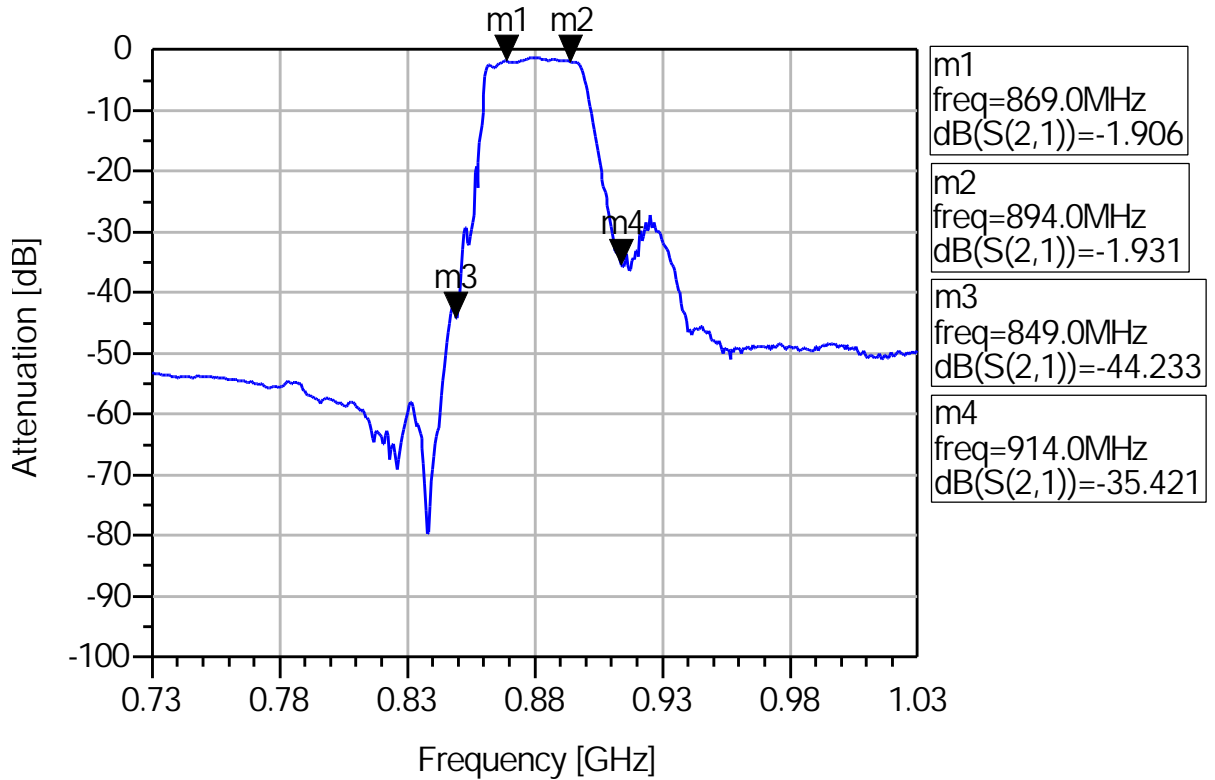


Figure 1. Pass-band Characteristics

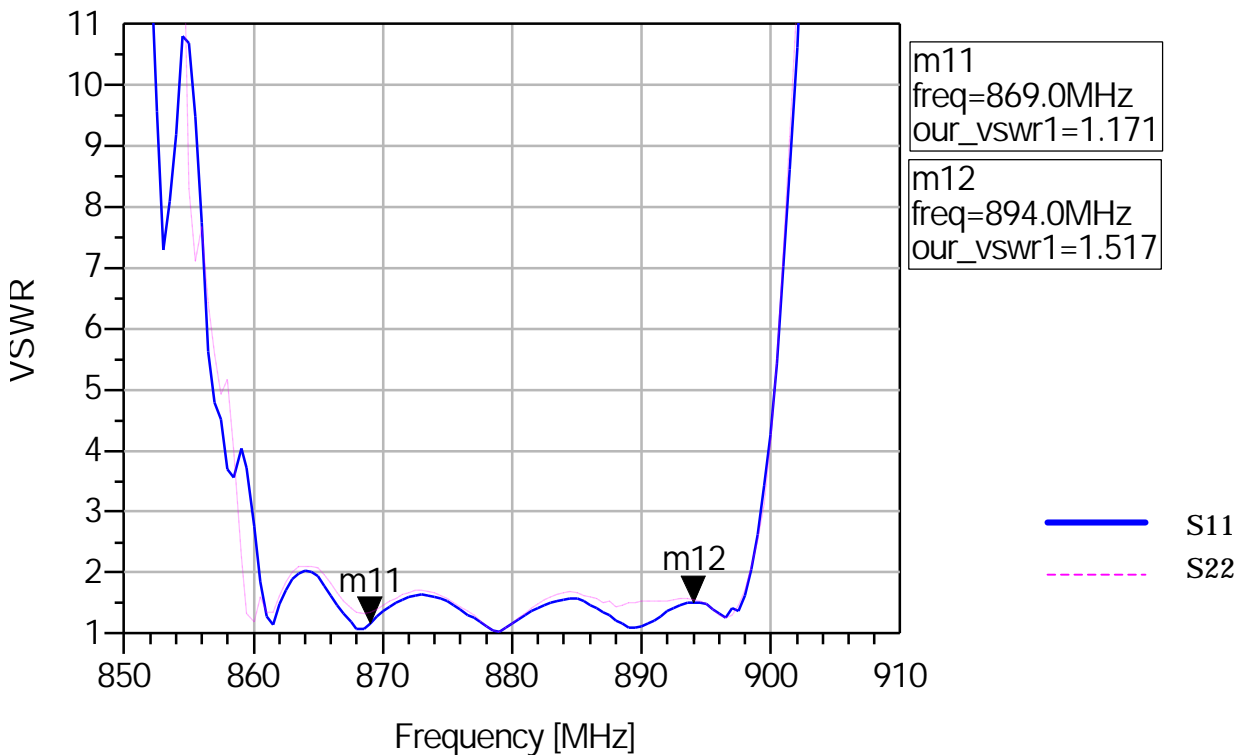


Figure 2. VSWR

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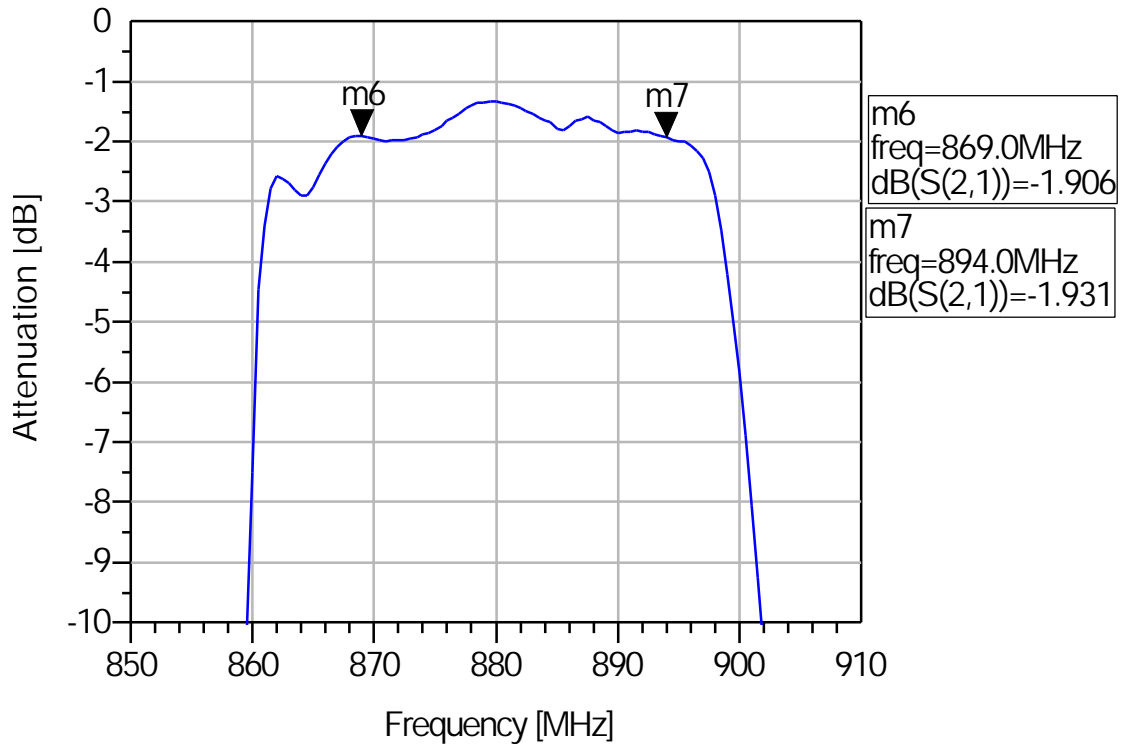


Figure 3. In-band Characteristics

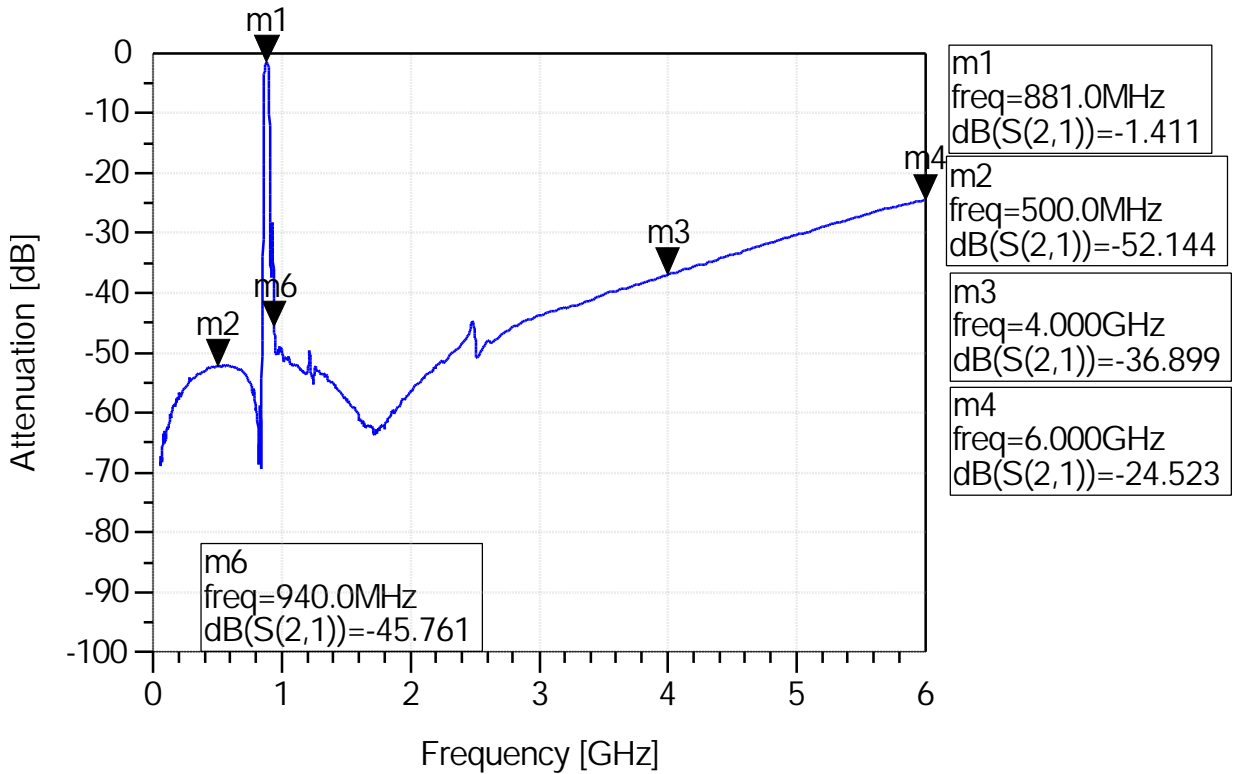


Figure 4. Wide-band Characteristics

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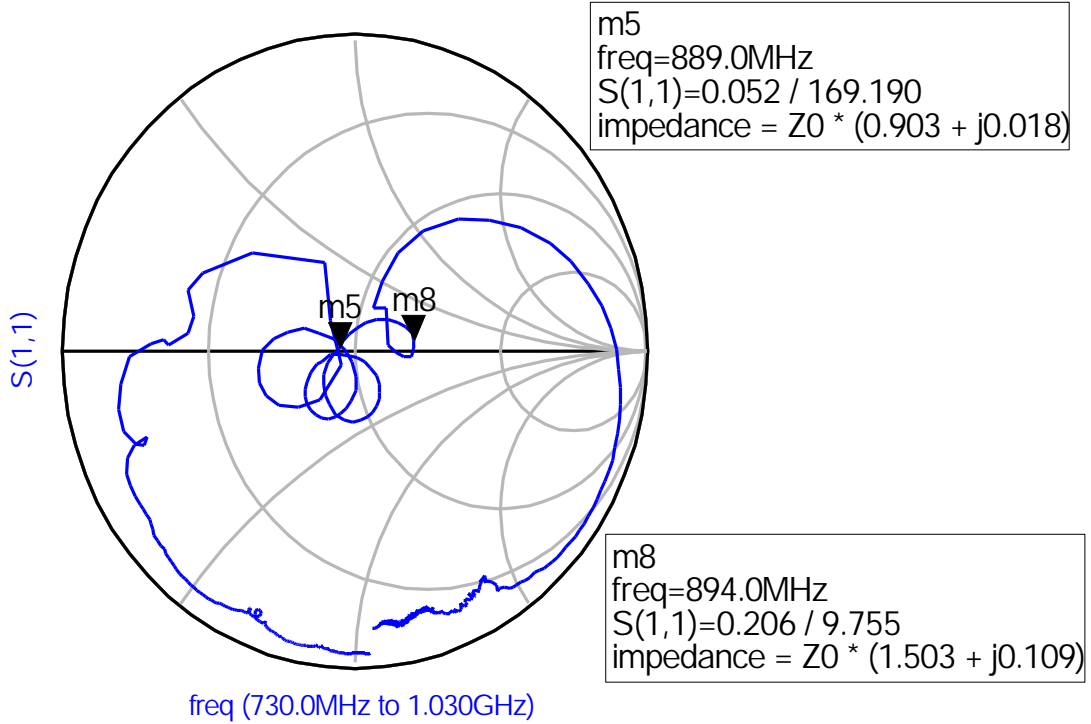


Figure 5. S11(Unbalanced)

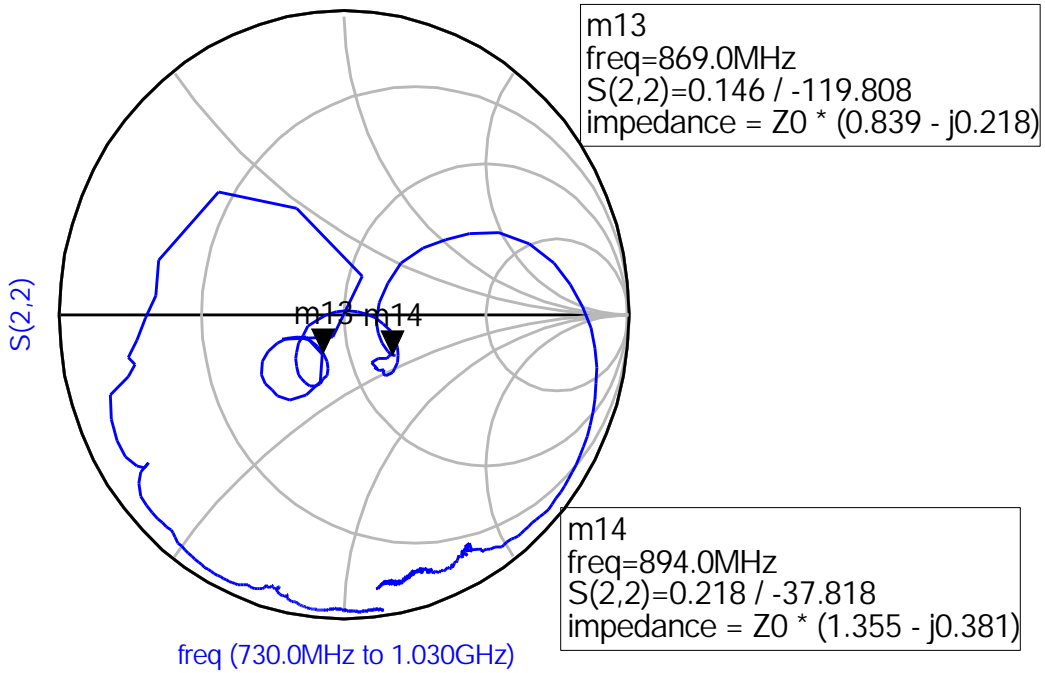


Figure 6. S22 (Balanced)

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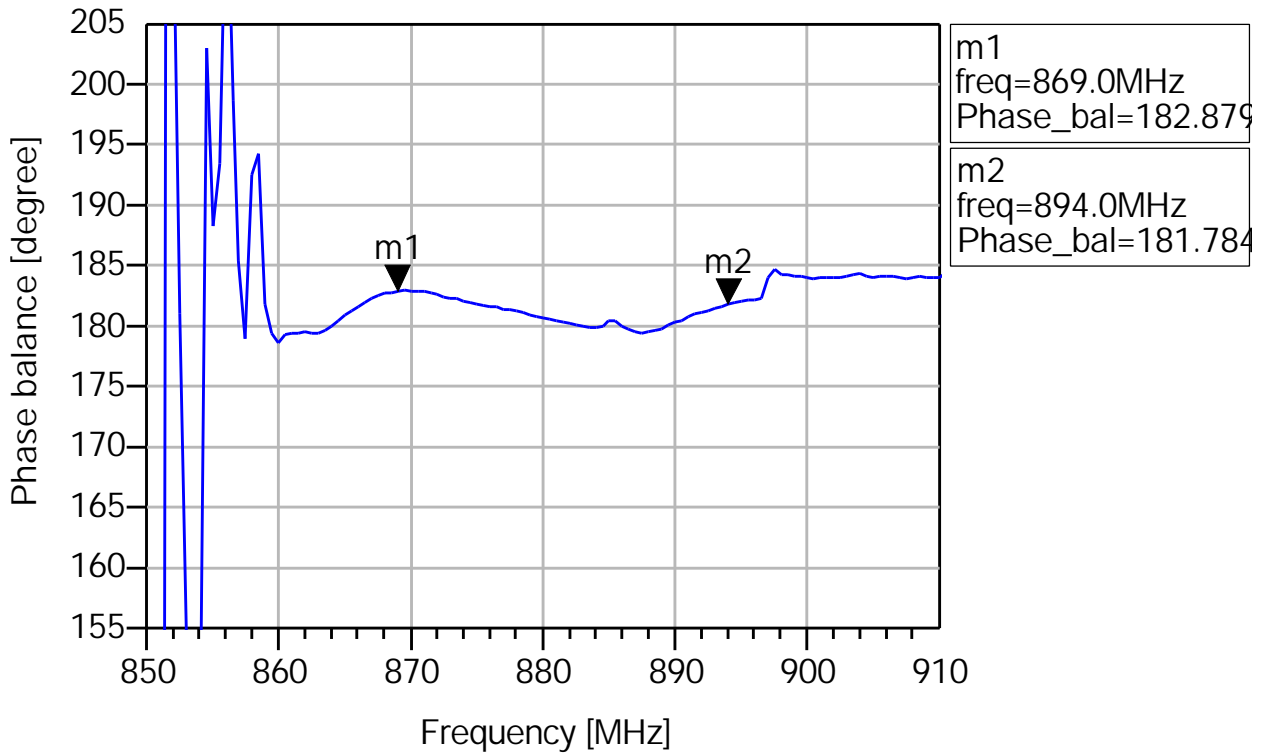


Figure 7. Amplitude balance

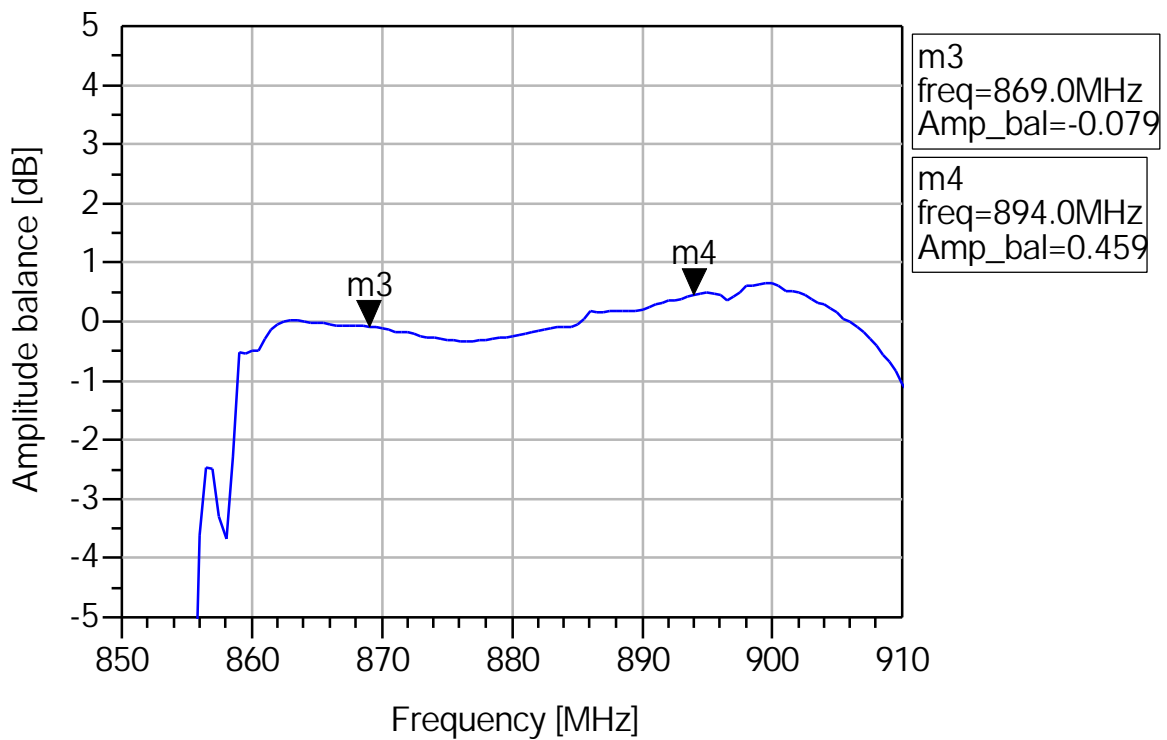


Figure 8. Phase balance