

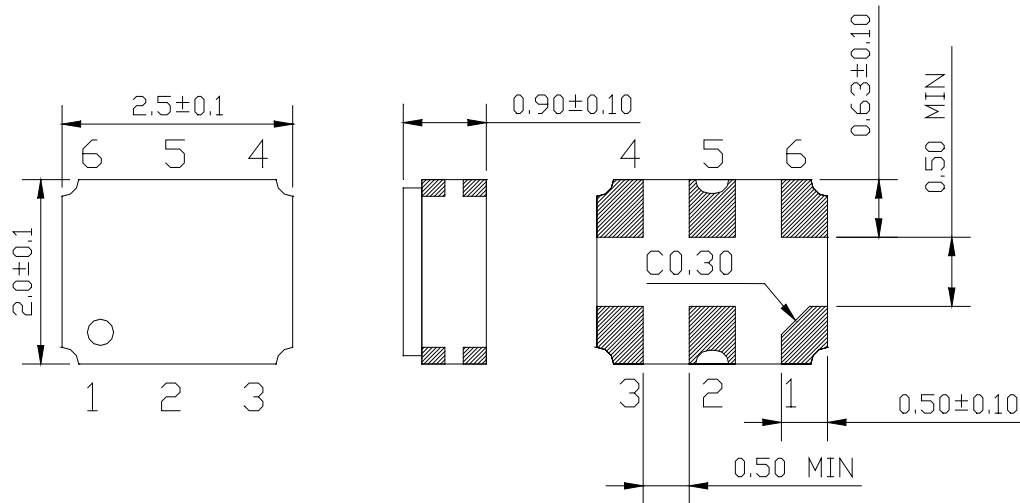
Customer Name	Standard Specification	FUJITSU MEDIA DEVICES LIMITED	
System	Cellular Rx (50/100ohm)	DATE	June.15, 2002
FMD Part Number	FAR-F5CQ-881M50-B25R	Version 2.2	Preliminary

Table 1. Electrical specifications

Passband : 869 ~ 894 MHz						
Item	Condition	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	869~894 MHz	–	2.0	2.8	dB	
Ripple	869~894 MHz	–	0.7	1.5	dB	
Absolute attenuation	DC~824 MHz	40	58	–	dB	
	824~849 MHz	30	42	–	dB	
	915~960 MHz	25	30	–	dB	
	960~3000 MHz	40	43	–	dB	
VSWR	869~894 MHz	–	1.8	2.2	–	
Amplitude balance	869~894 MHz	-1.0	–	+1.0	dB	
Phase balance	869~894 MHz	170	–	190	deg.	
Input Impedance	Unbalanced	50			Ohm	
Output Impedance	Balanced	100			Ohm	
Operating Temperature		-30 ~ +85			°C	
Device Size		2.5typ.x2.0typ.x1.0max.			mm	

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● Dimensions

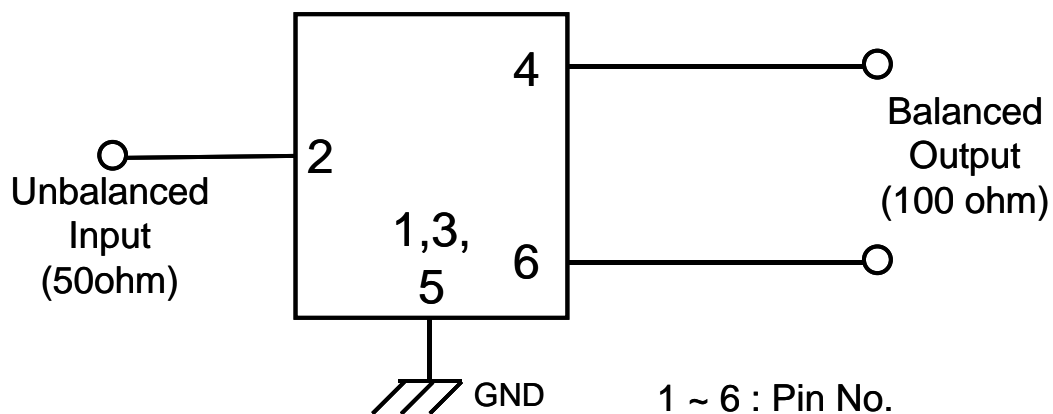


Unit: mm

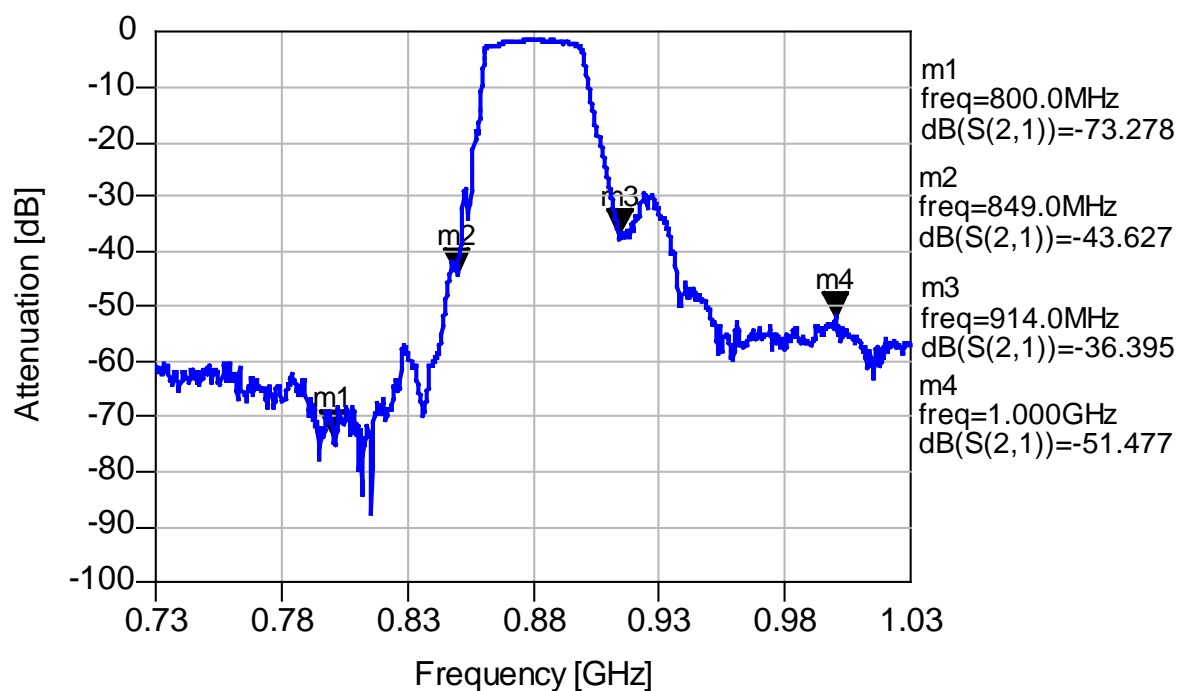
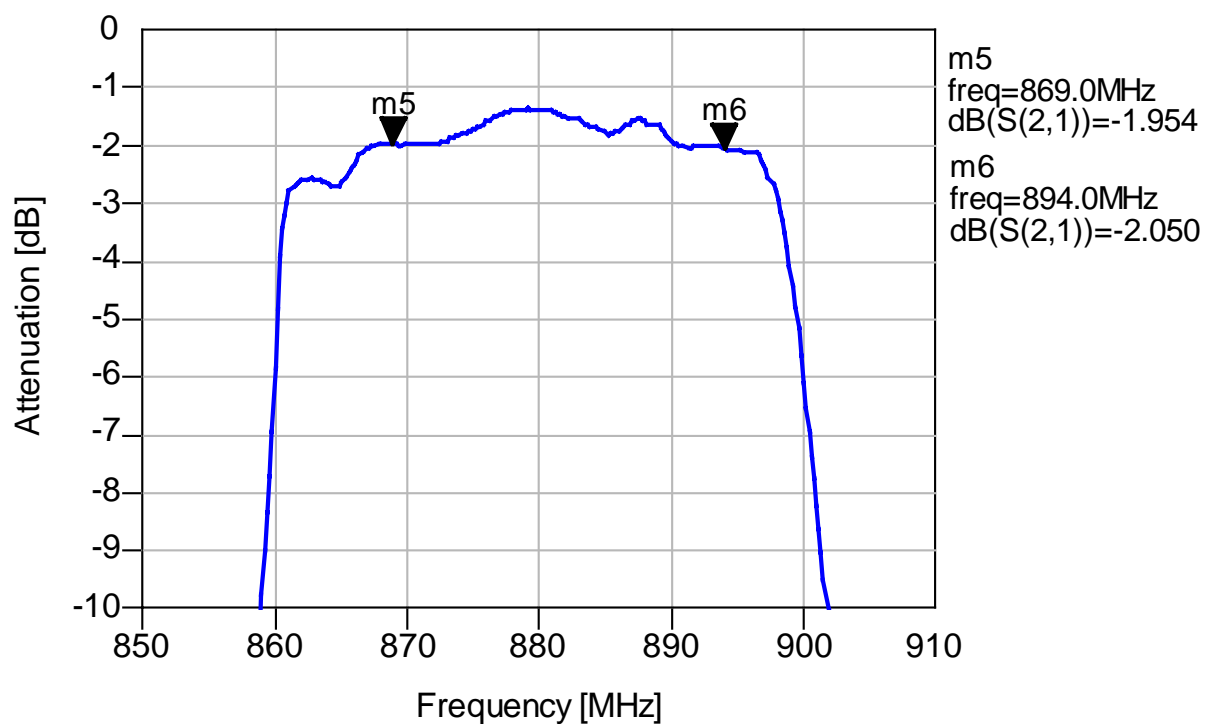
● Pin Configuration

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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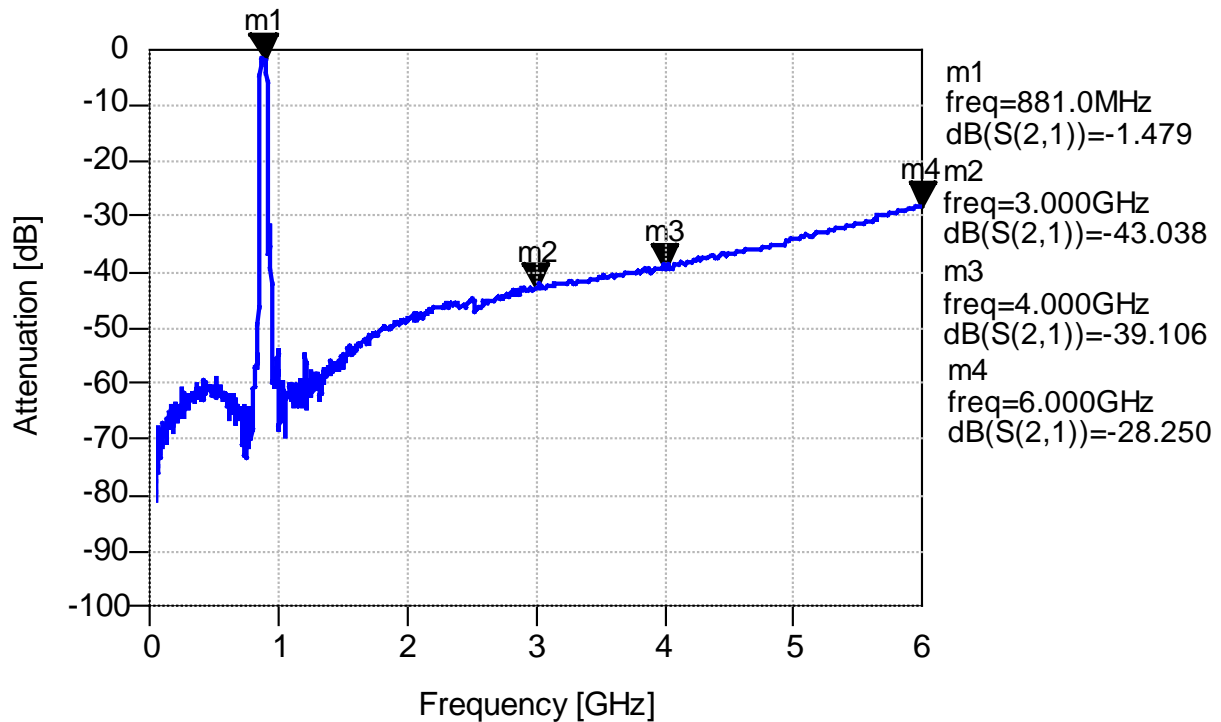


Fig.3 Wide-band Characteristics

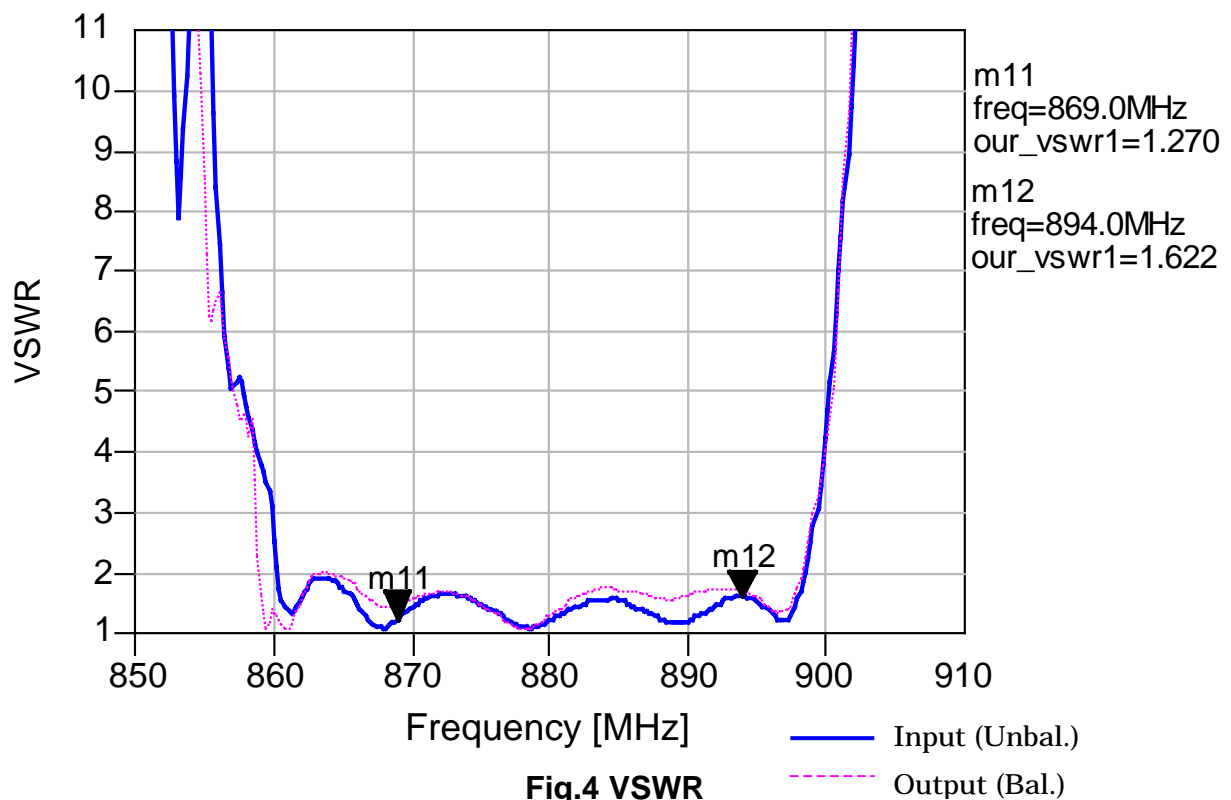


Fig.4 VSWR

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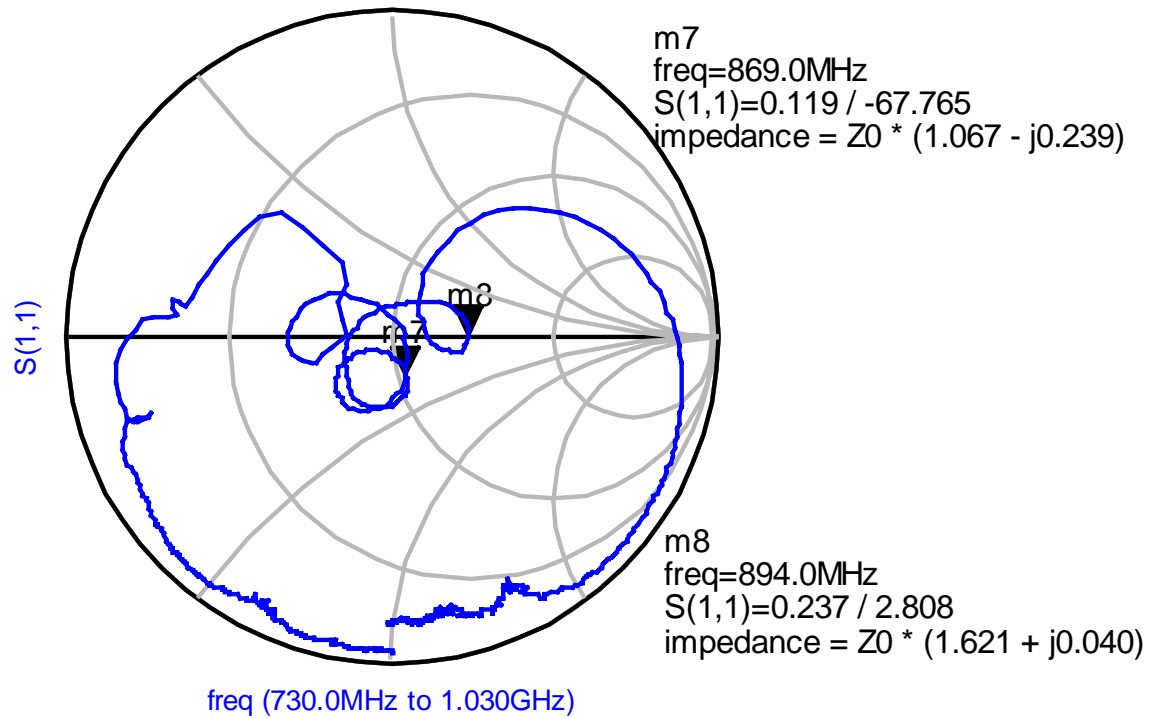


Fig.5 Input Impedance (Unbal.)

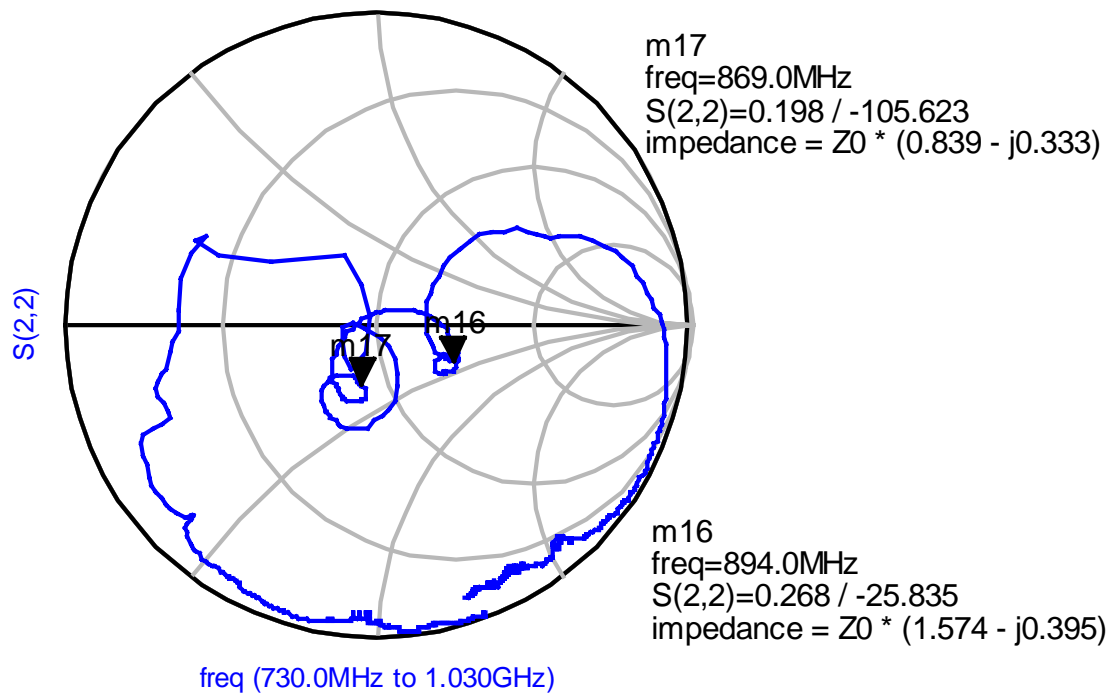
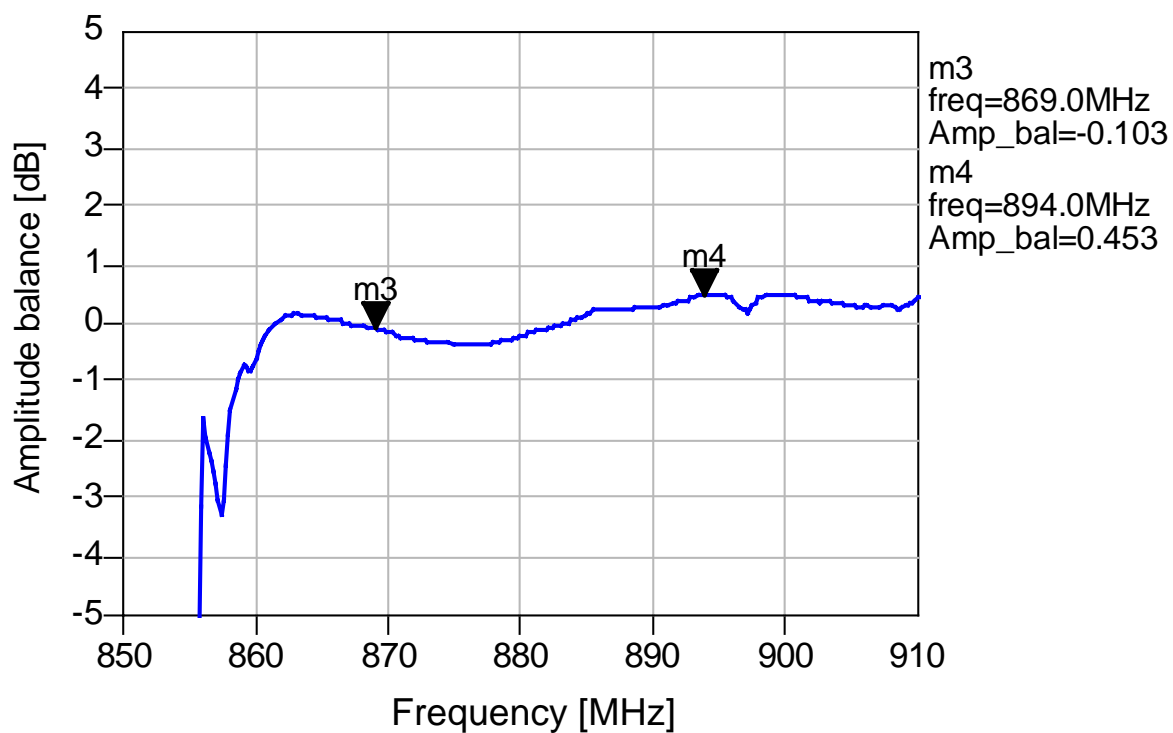
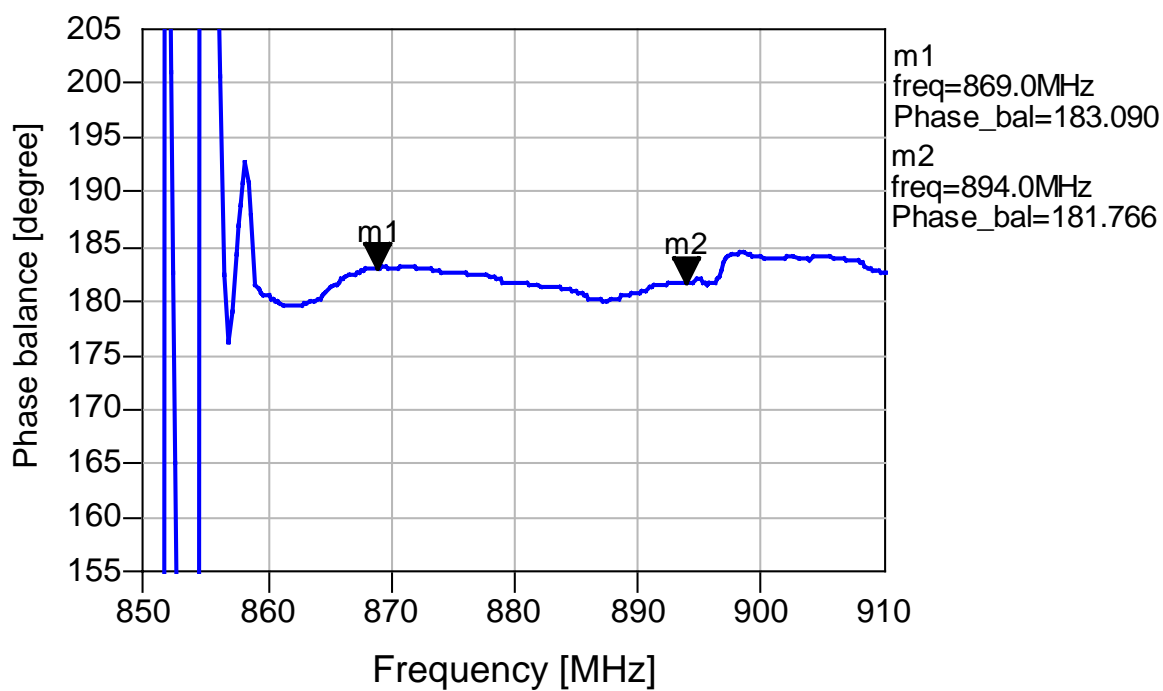


Fig.6 Output Impedance (Bal.)

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**Fig.7 Amplitude Balance****Fig.8 Phase Balance**