



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Rx (50/100ohm)	Date	March 31, 2010
Part Number	FAR-F5KY-740M00-B4UR	Version 3.0c	

Table 1 Electrical Specification 1

Item	Condition	Specification			Unit	Remarks	
		Min.	Typ.	Max.			
Insertion Loss	734-746MHz	-	1.4	2.0	dB		
Ripple	734-746MHz	-	0.5	1.5	dB		
VSWR	Input(S11)	734-746MHz	-	1.5	2.0	-	
	Output(S22)		-	1.5	2.0	-	
Amplitude balance	734-746MHz	-1.0	-0.1/+0.1	+1.0	dB		
Phase balance	734-746MHz	-10	-1.0/+1.0	+10	degree		
Attenuation	DC-686MHz	60	70	-	dB		
	704-716MHz	52	60	-	dB		
	716-722MHz	21	32	-	dB		
	1400-2300MHz	45	60	-	dB		
	2300-3000MHz	40	55	-	dB		
	3000-4000MHz	35	50	-	dB		
	4000-5000MHz	30	45	-	dB		
	5000-6000MHz	25	40	-	dB		
Terminating Impedance	Input	50			ohm	Single-ended	
	Output	100			ohm	Differential	
Operating Temperature		-30 to +85			°C		



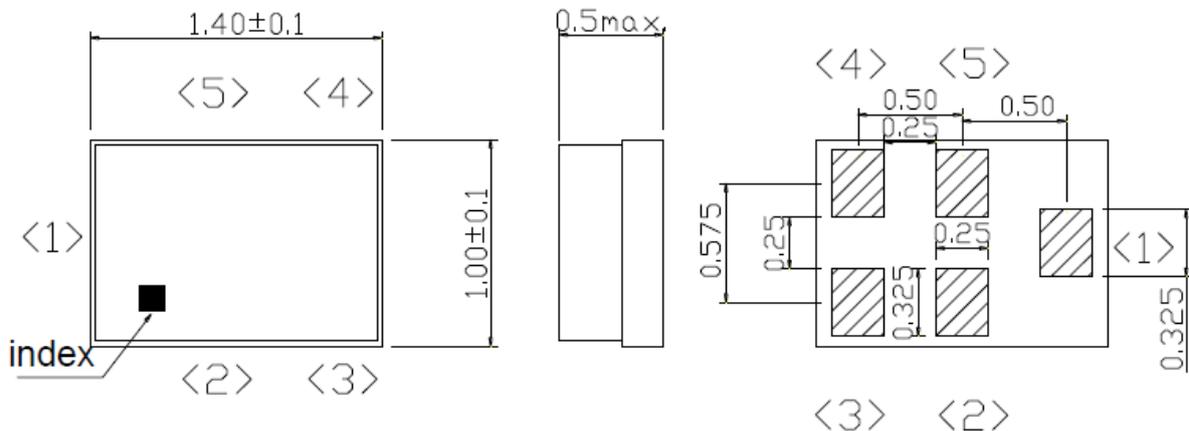
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Dimensions

Device size: 1.4typ. x 1.0typ. x 0.5max.

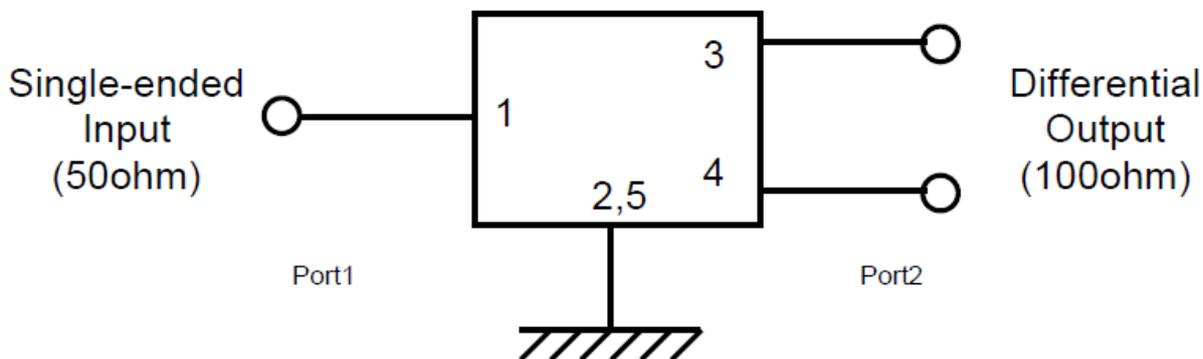


Unit: mm

Pin Configuration

Pin No.	Symbol	Function
1	IN	Single-ended pin
2	GND	Ground
3	OUT	Differential Pin
4	OUT	Differential Pin
5	GND	Ground

Evaluation Condition





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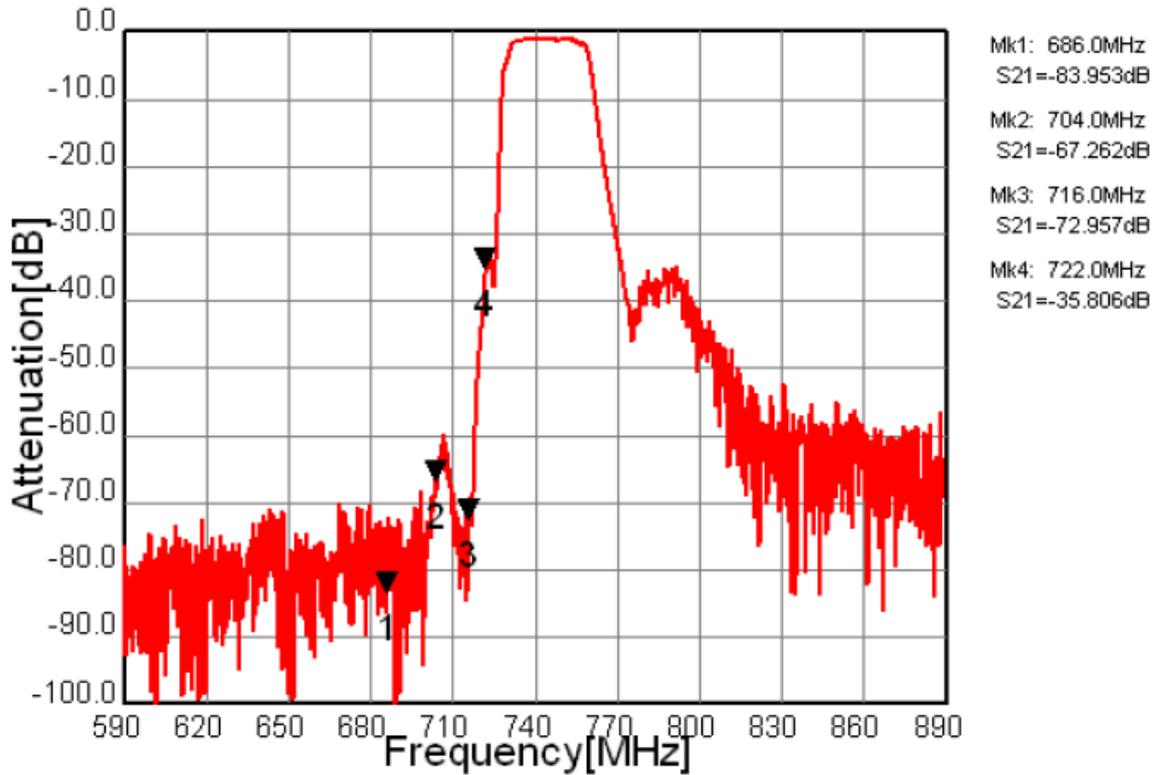


Fig.1 Pass-band Characteristic

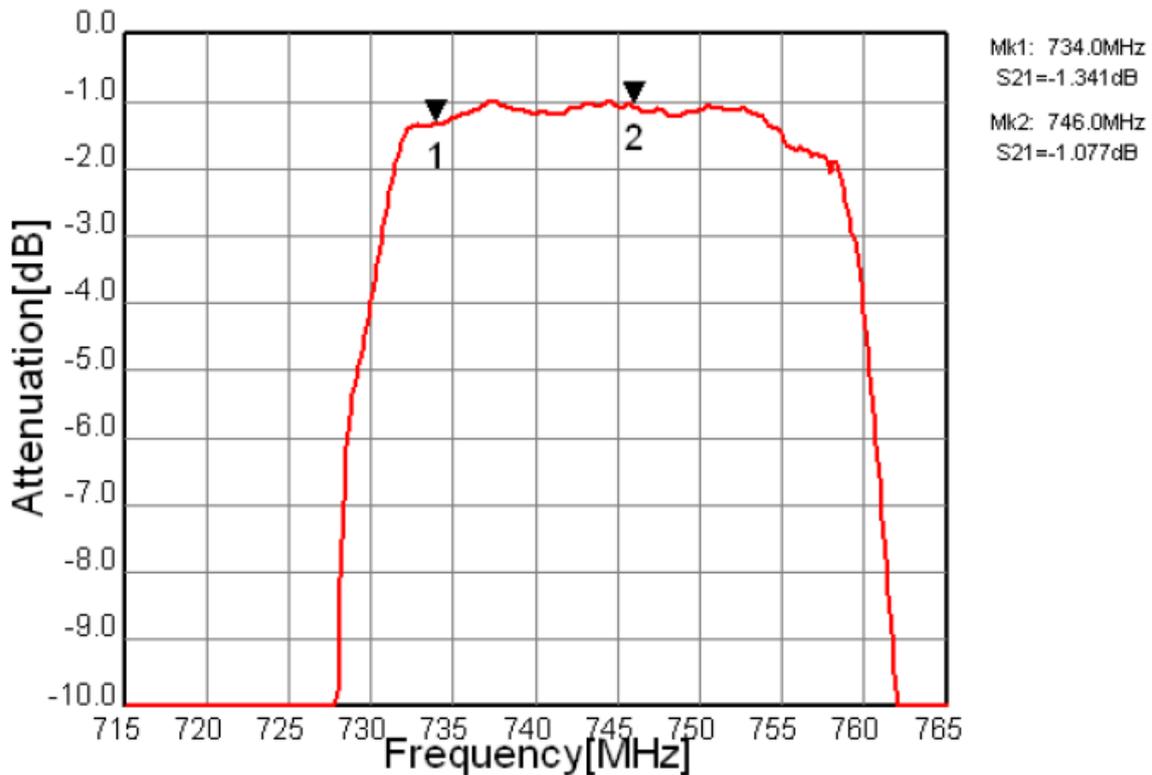


Fig.2 In-band Characteristic



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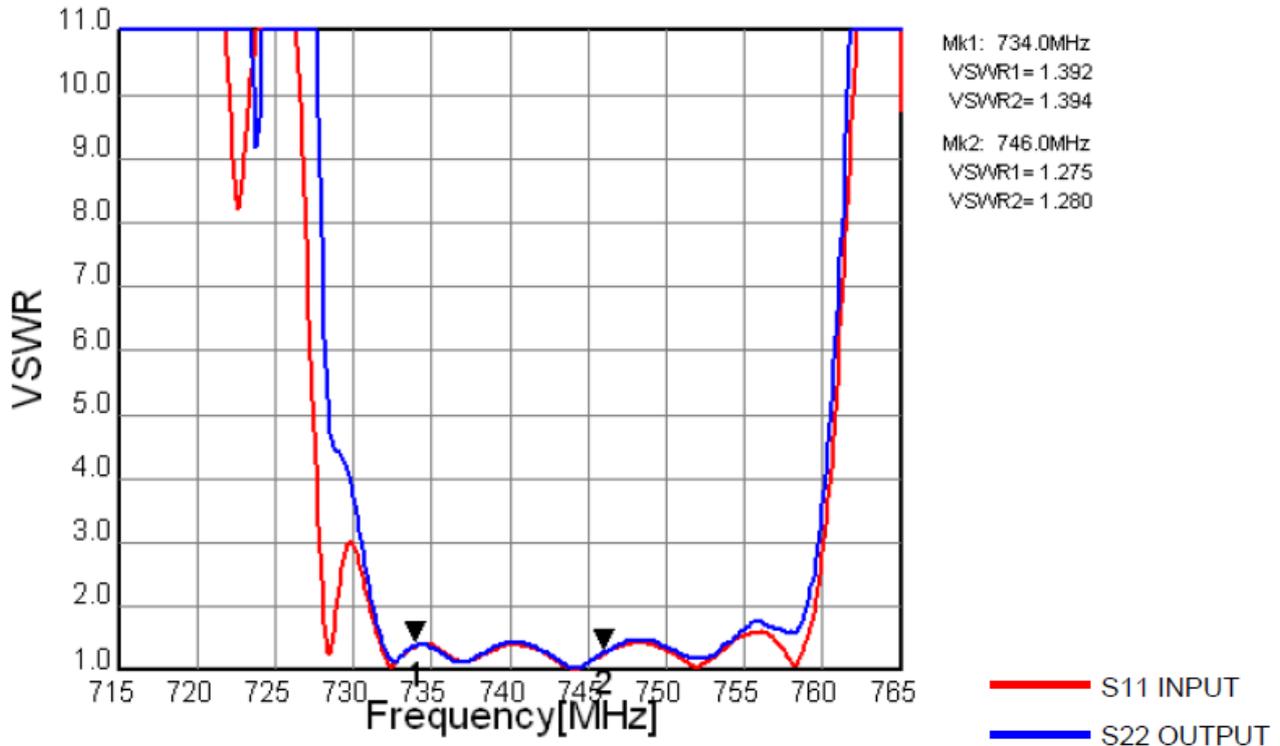


Fig.3 VSWR

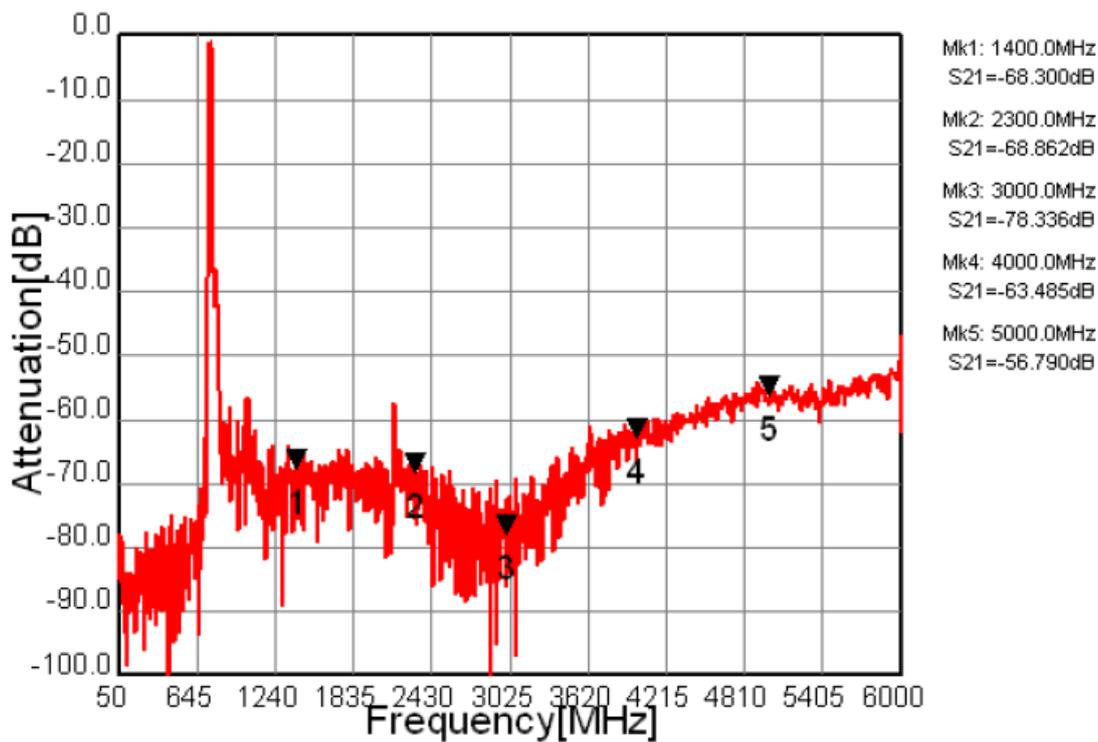


Fig.4 Wide-band Characteristic



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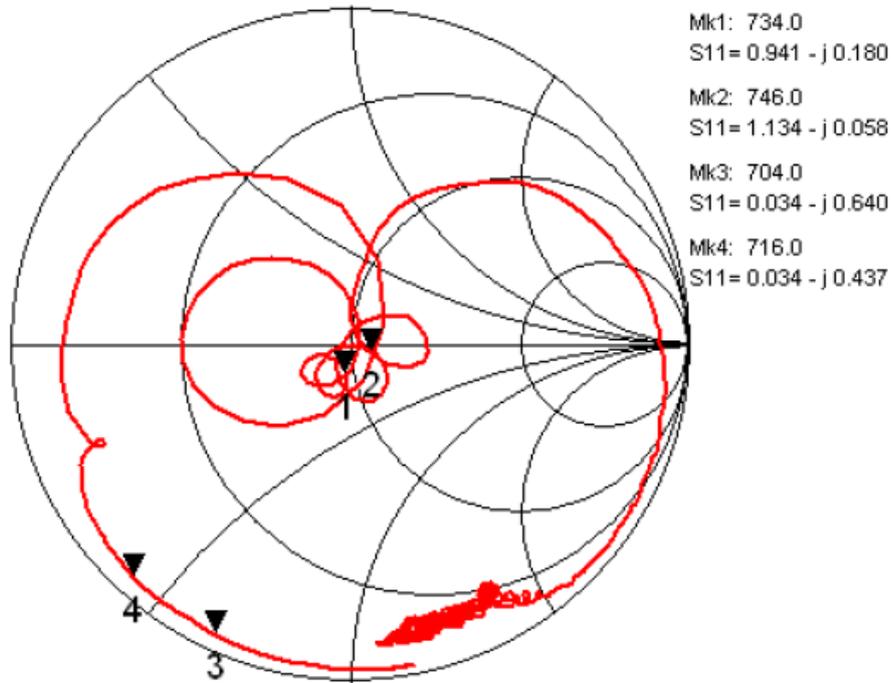


Fig.5 Impedance (INPUT)

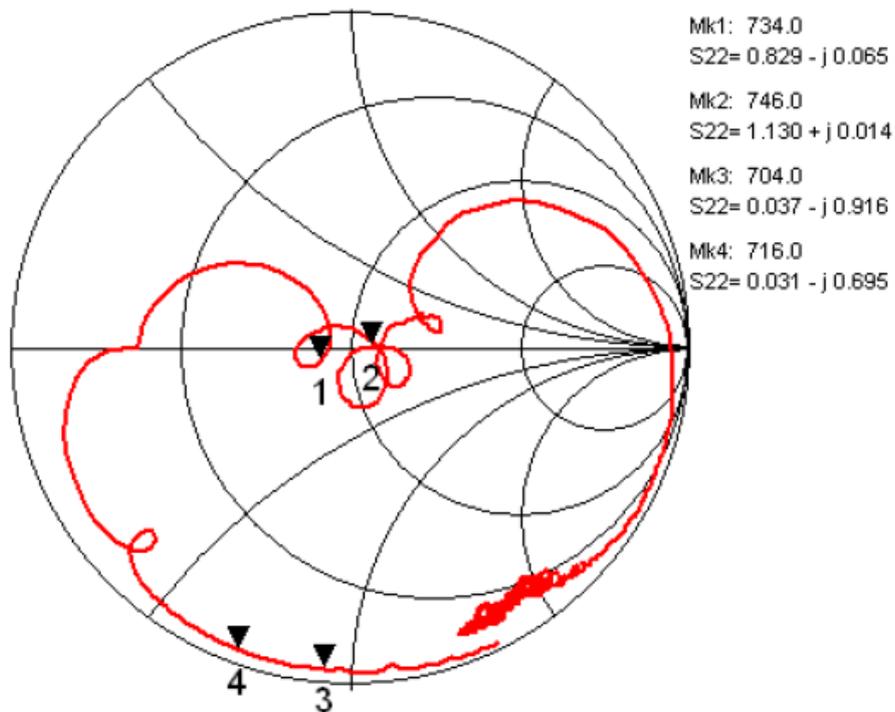


Fig.6 Impedance (OUTPUT)



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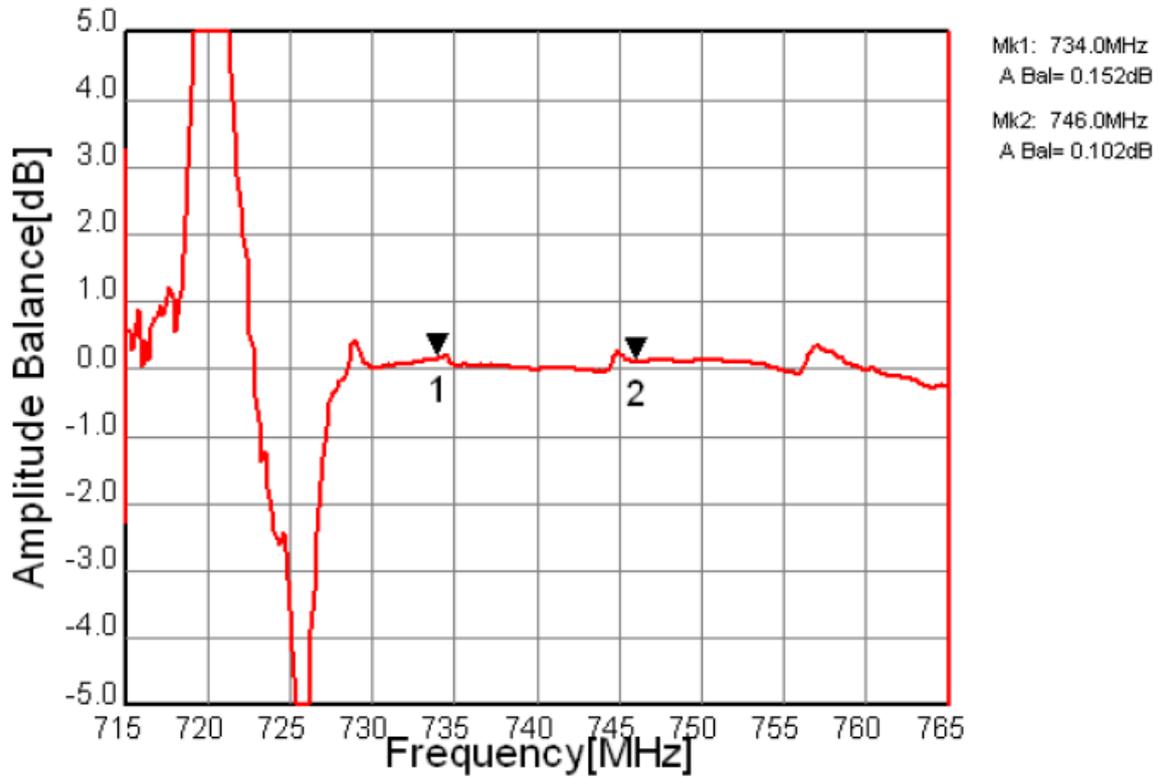


Fig.7 Amplitude Balance

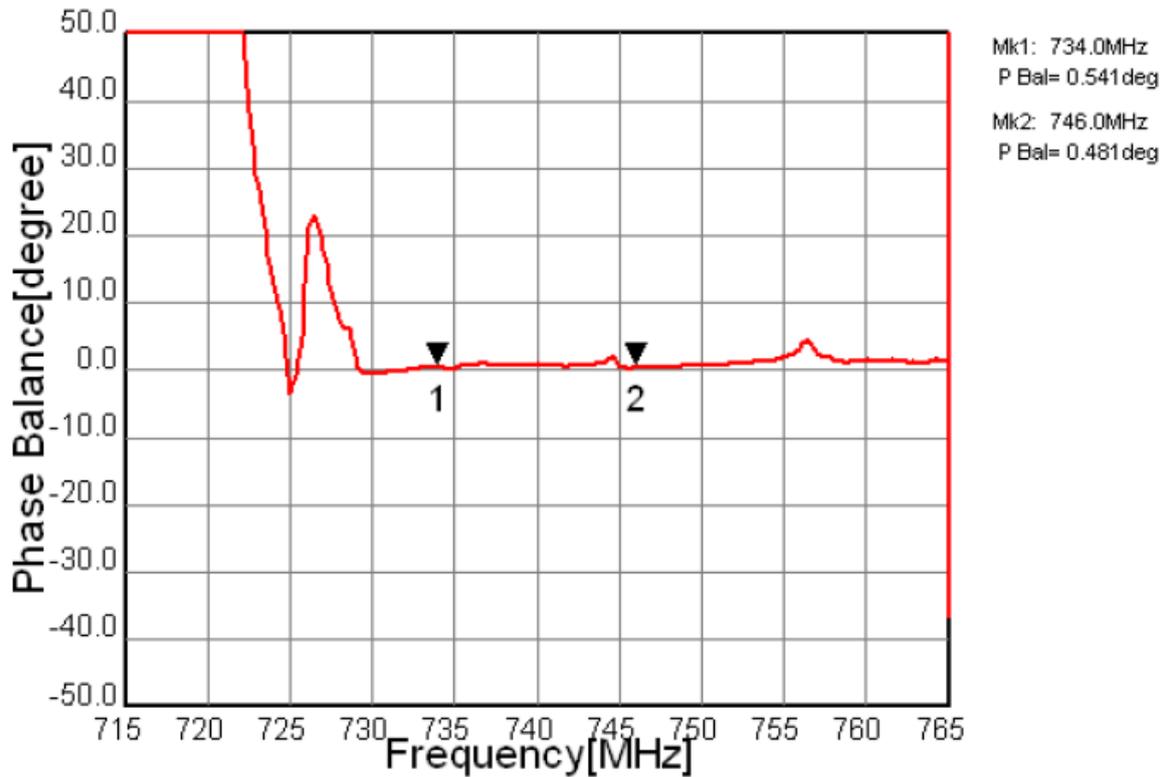


Fig.8 Phase Balance