



MSL1

* Pb Free Part

Customer Name	Standard specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 13C Rx (50/100ohm)	Date	Aug. 10, 2011
Part Number	FAR-F5KY-751M00-B4UQ	Version 4.0d	FINAL

Table 1 Electrical Specification

Passband: 746MHz - 756MHz							
Item	Condition	Specification			Unit	Remarks	
		Min.	Typ.	Max.			
Insertion Loss	746-756MHz	-	1.7	3.0	dB	(*1)	
Ripple	746-756MHz	-	0.4	2.2	dB		
VSWR	Input(S11)	746-756MHz	-	1.4	2.0	-	
	Output(S22)		-	1.4	2.0	-	
Amplitude balance	746-756MHz	-1.0	-0.1/+0.2	+1.0	dB		
Phase balance	746-756MHz	-10	-1.0/+1.0	+10	deg		
Attenuation	DC-716MHz	45	66	-	dB		
	716-722MHz	40	62	-	dB		
	777-787MHz	48	55	-	dB		
	808-818MHz	48	55	-	dB		
	1400-2300MHz	45	60	-	dB		
	2300-3000MHz	40	58	-	dB		
	3000-4000MHz	35	54	-	dB		
	4000-5000MHz	30	49	-	dB		
	5000-6000MHz	25	47	-	dB		
Terminating Impedance	Input	50			ohm	Unbalanced	
	Output	100			ohm	Balanced	
Operating Temperature		-30 to +85			°C		

(*1) Specification of insertion loss includes loss that comes from the test board.(0.05dB)



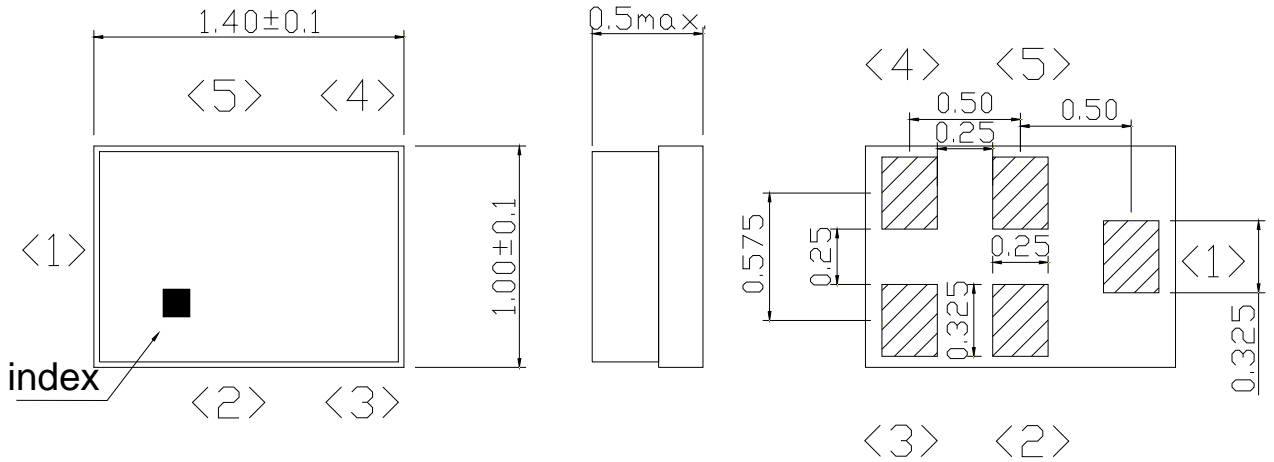
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Dimensions

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

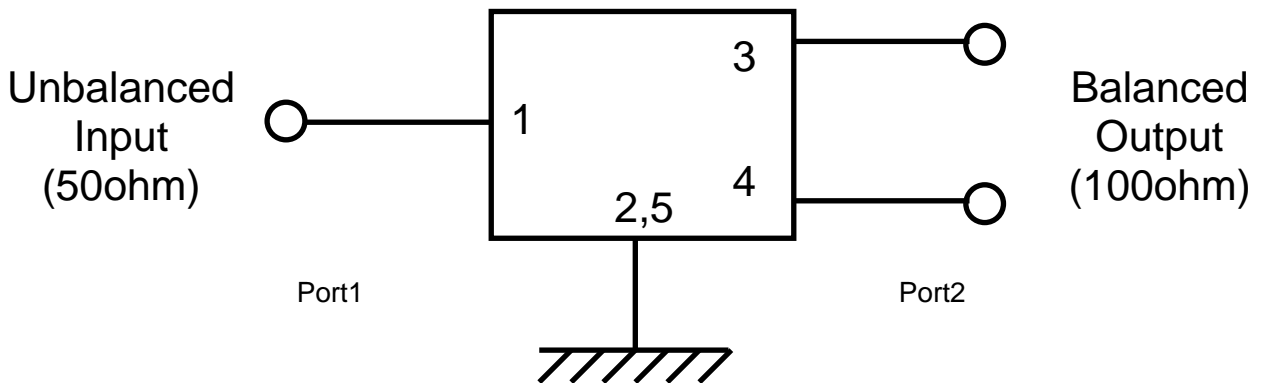


Unit: mm

Pin Configuration

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

Evaluation Condition





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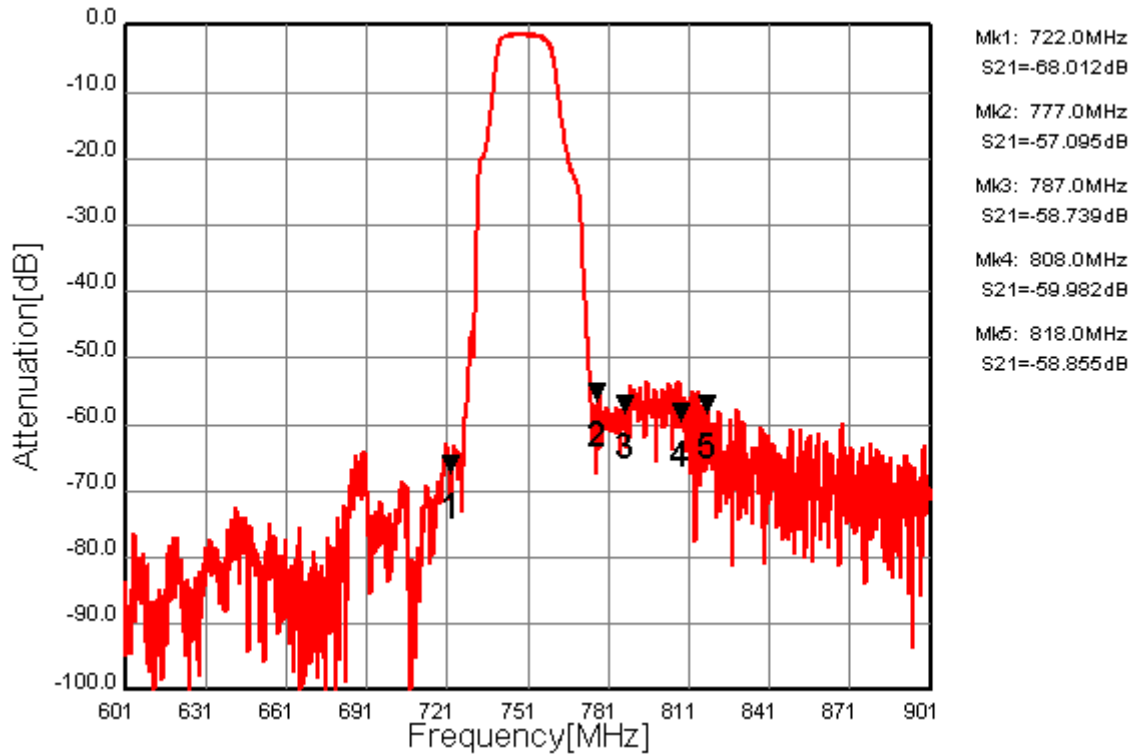


Fig.1 Pass-band Characteristic

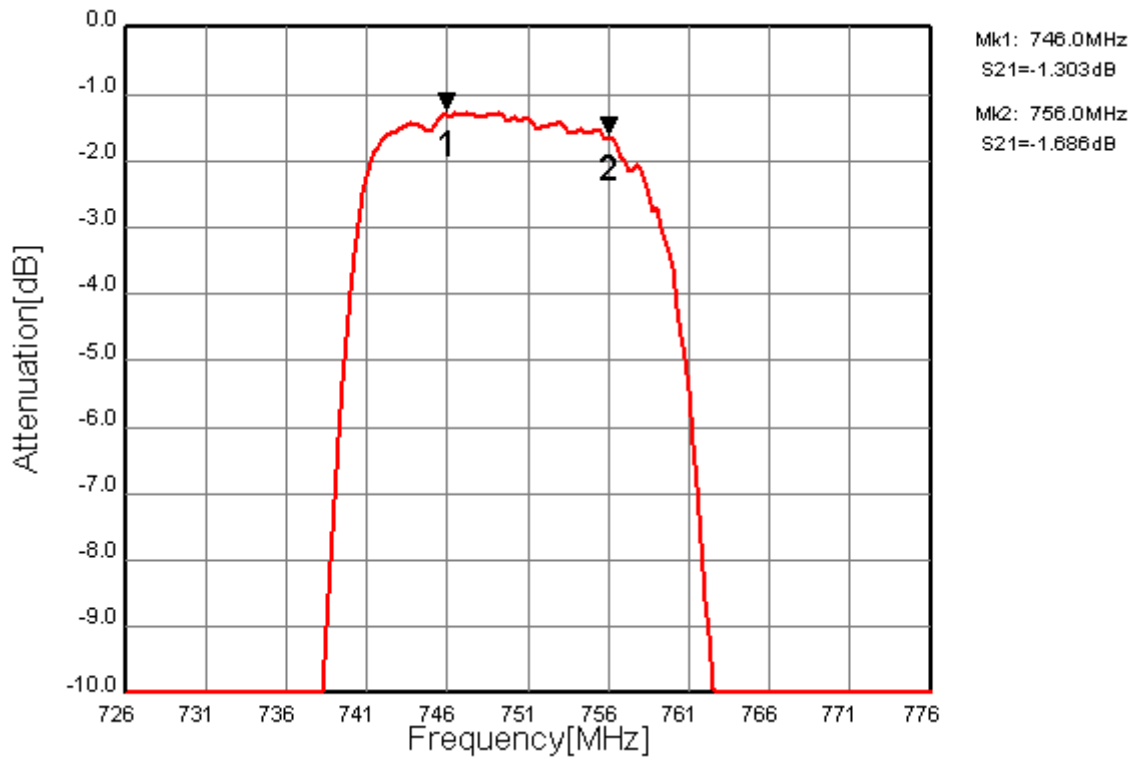


Fig.2 In-band Characteristic



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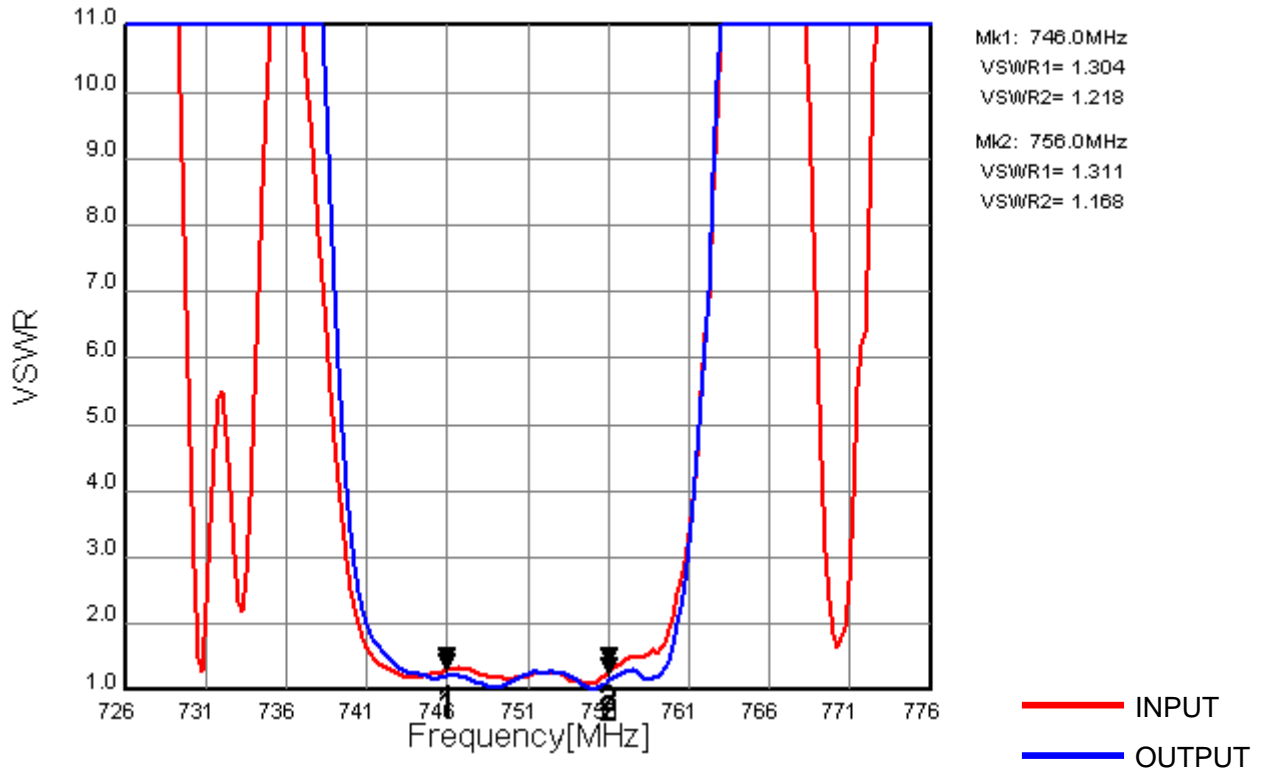


Fig.3 VSWR

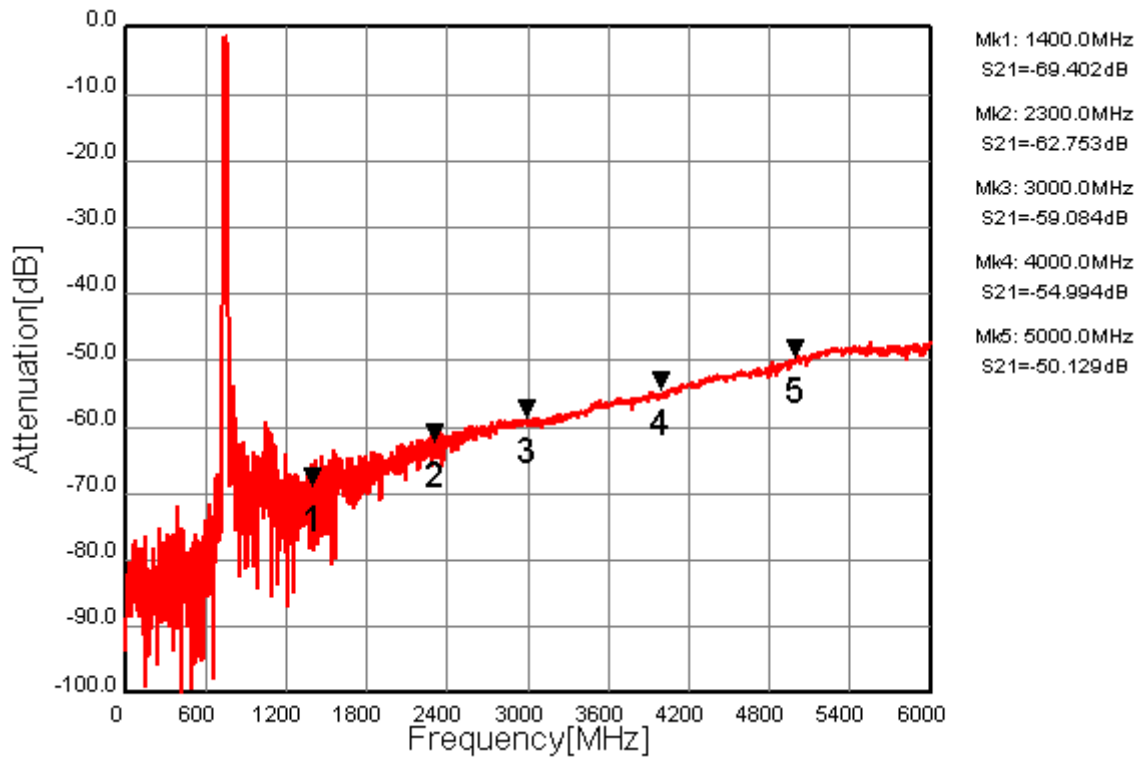


Fig.4 Wide-band Characteristic



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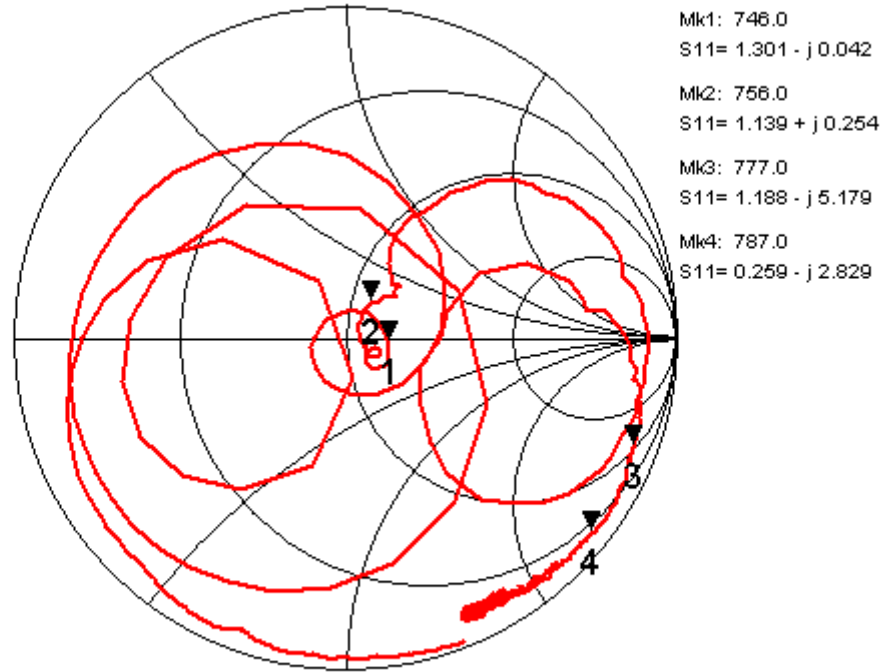


Fig.5 Impedance (INPUT)

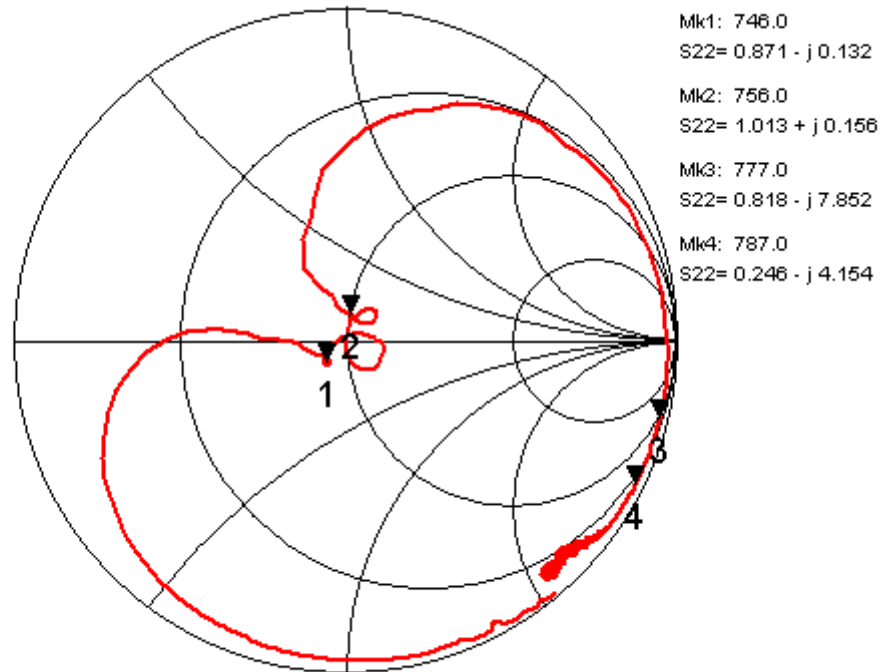


Fig.6 Impedance (OUTPUT)



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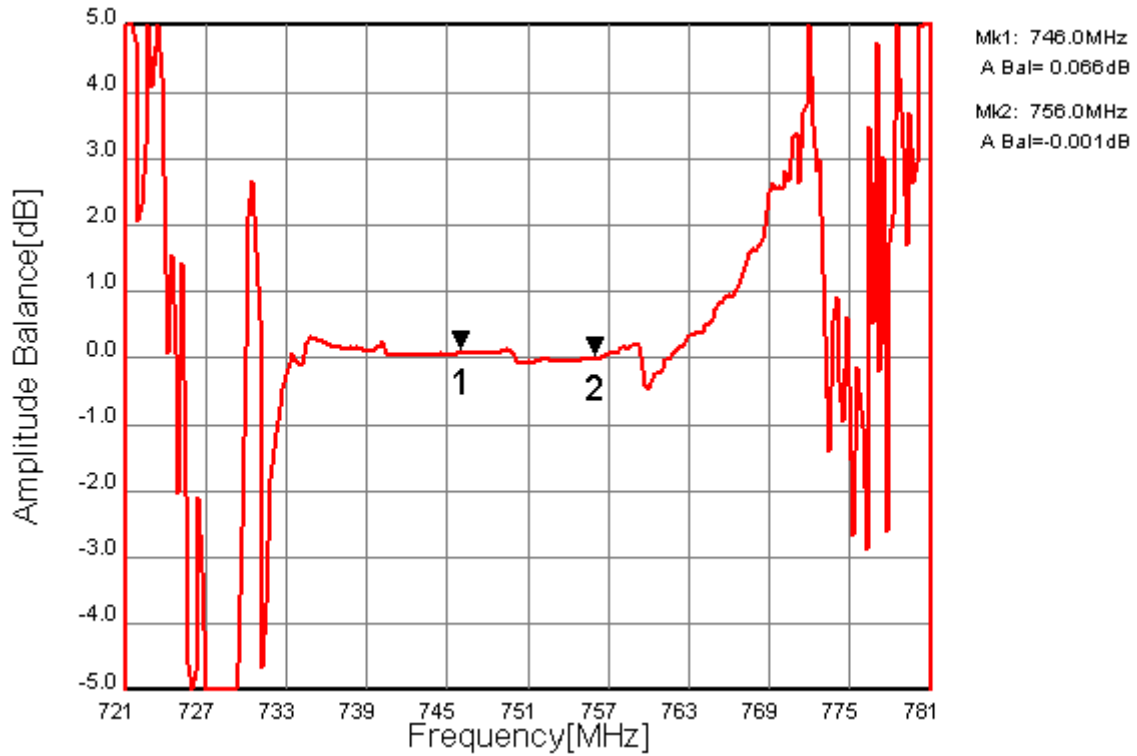


Fig.7 Amplitude Balance

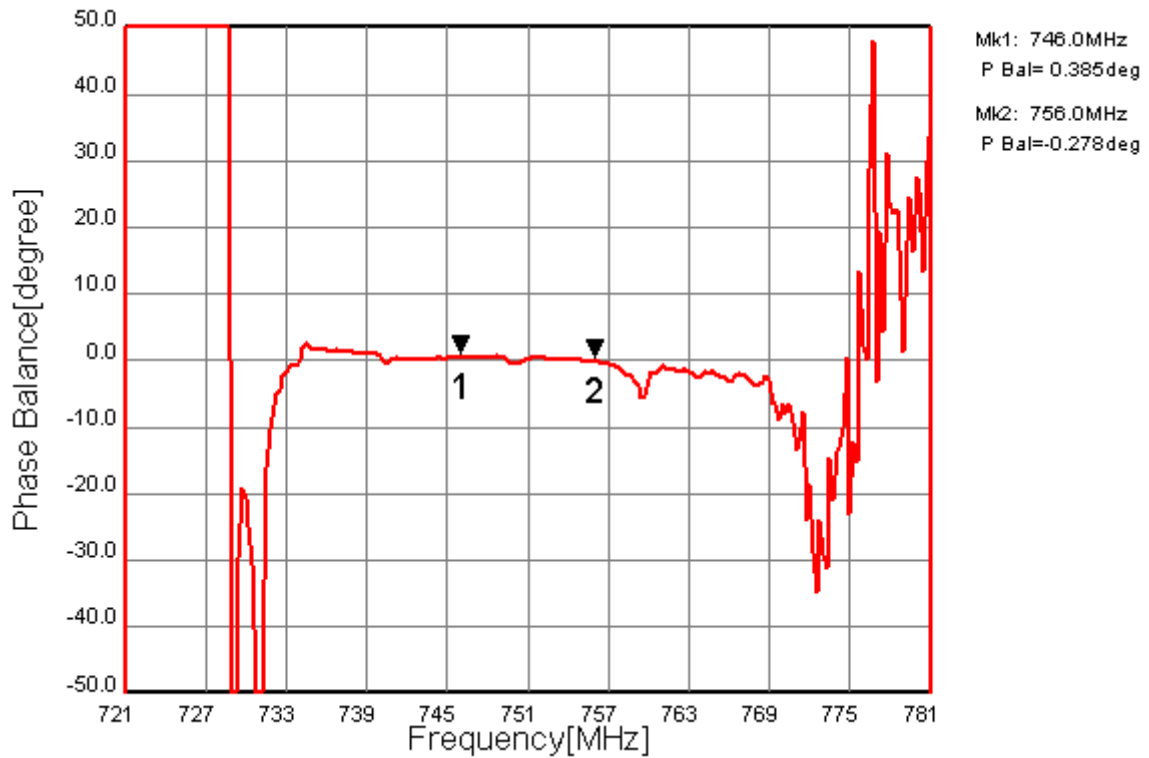


Fig.8 Phase Balance