

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
System	WCDMA-Rx	DATE	Aug. 5, 2005
FMD Part Number	FAR-F6EB-2G1400-B2BN	Version 3.1c	
Customer No.	-	Reference No.	-

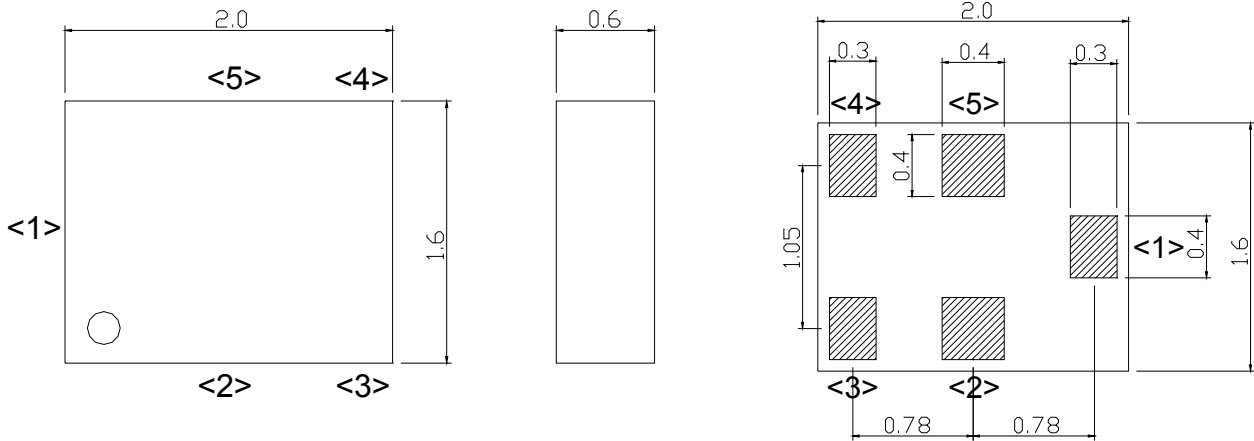
Table 1 Electrical Specification

Passband : 2110~ 2170 MHz						
Item	Condition (MHz)	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	2110 ~ 2170	-	1.9	2.7	dB	
Ripple	2110 ~ 2170	-	0.4	1.5	dB	
Absolute attenuation	1805~ 1880	27	37	-	dB	
	1920 ~ 1980	27	35	-	dB	
	2300 ~ 2360	17	25	-	dB	
	2360 ~ 3000	20	32	-	dB	
VSWR(input unbal)	2110 ~ 2170	-	1.7	2.5	-	
VSWR(output bal)	2110 ~ 2170	-	1.6	2.5	-	
Amplitude balance (S ₂₁ /S ₃₁)	2110 ~ 2170	-2	-0.1/+0.9	+2	dB	
Phase balance ((ϕ S ₂₁ - ϕ S ₃₁)+180)	2110 ~ 2170	-10	-2.9/+2.0	+10	deg.	
Input Impedance	Unbalanced	50			ohm	
Output Impedance	Balanced	100//10nH			ohm	
Operating temperature		-30~ +85			°C	
Device size		2.0typ. x 1.6typ. x 0.6max.			mm	

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Dimensions

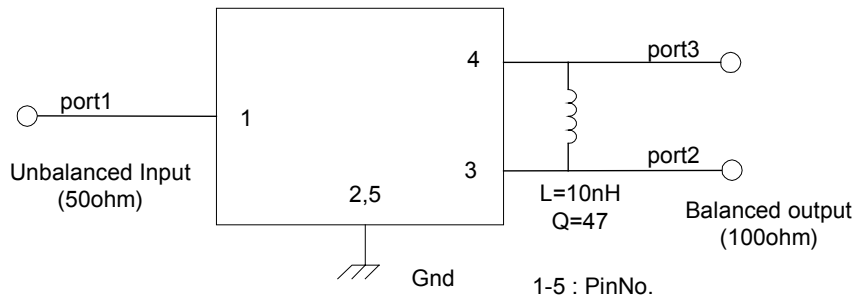
Device size: 2.0typ. x 1.6typ. x 0.6max



Pin Configuration

Pin No.	Pin name	Description
1	IN	Unbalanced pin
2	GND	Ground
3	OUT	Balanced pin
4	OUT	Balanced pin
5	GND	Ground

Evaluation Circuit



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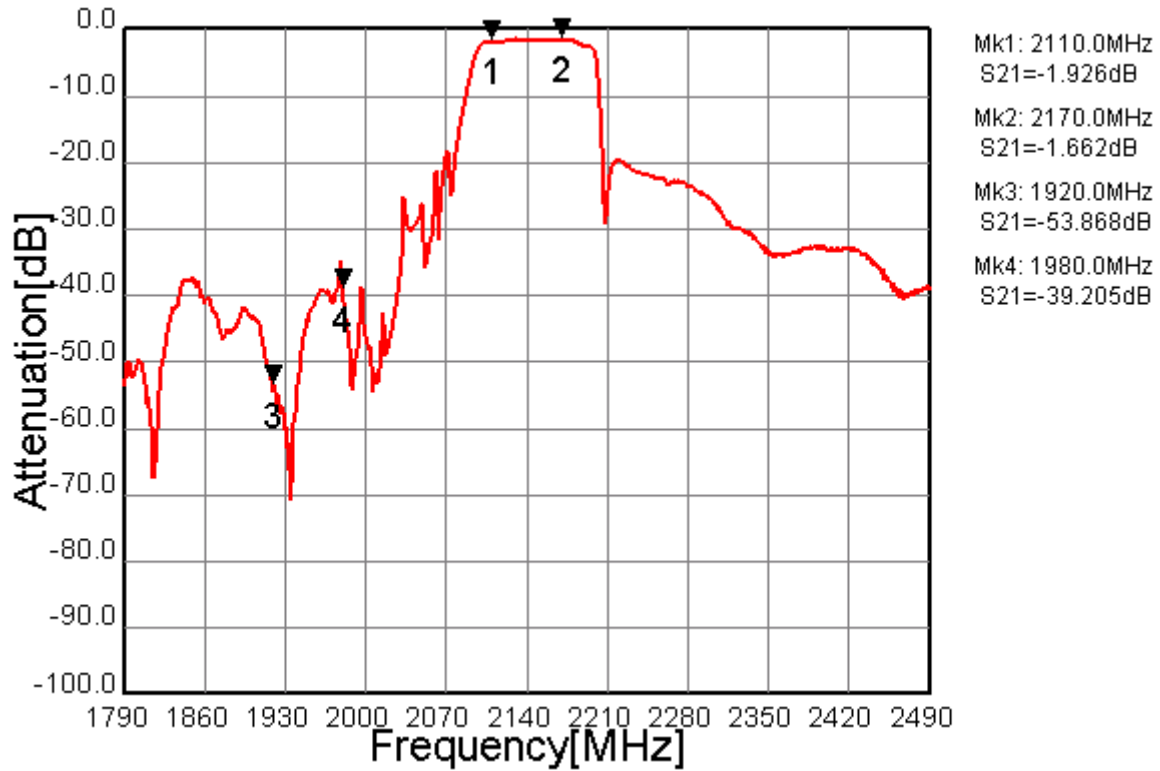


Fig.1 Pass-band Characteristics

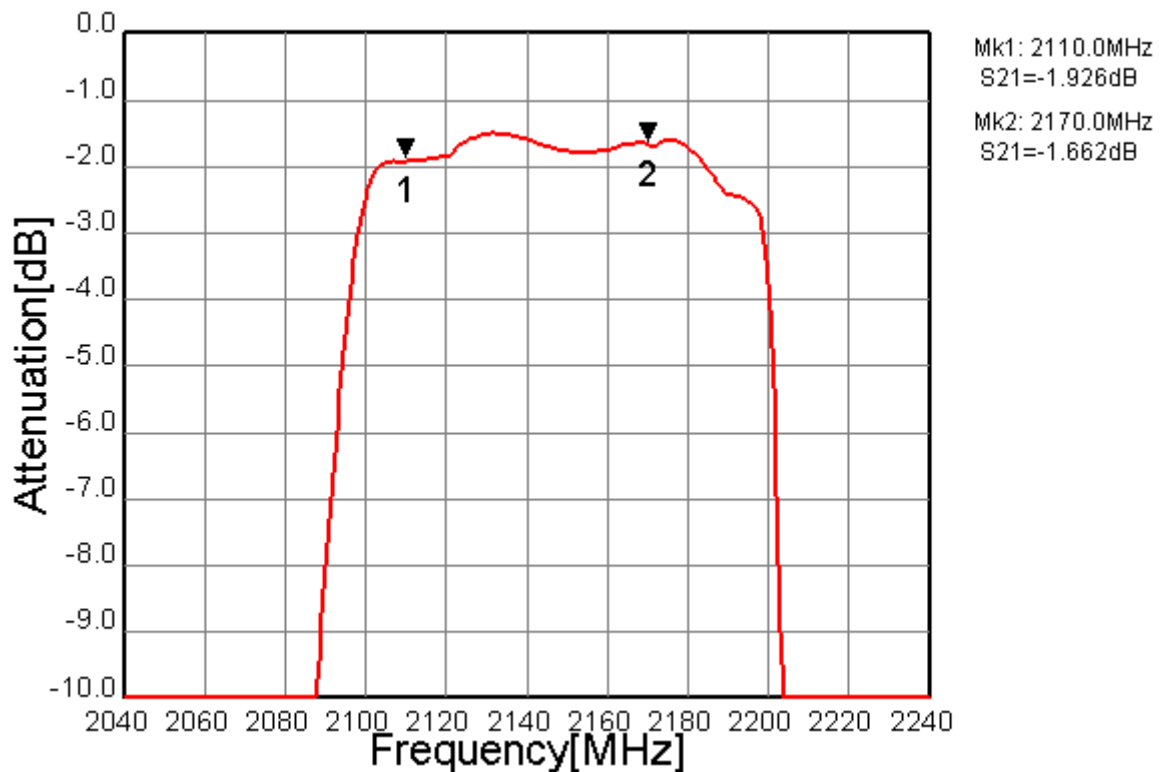


Fig.2 In-band Characteristics

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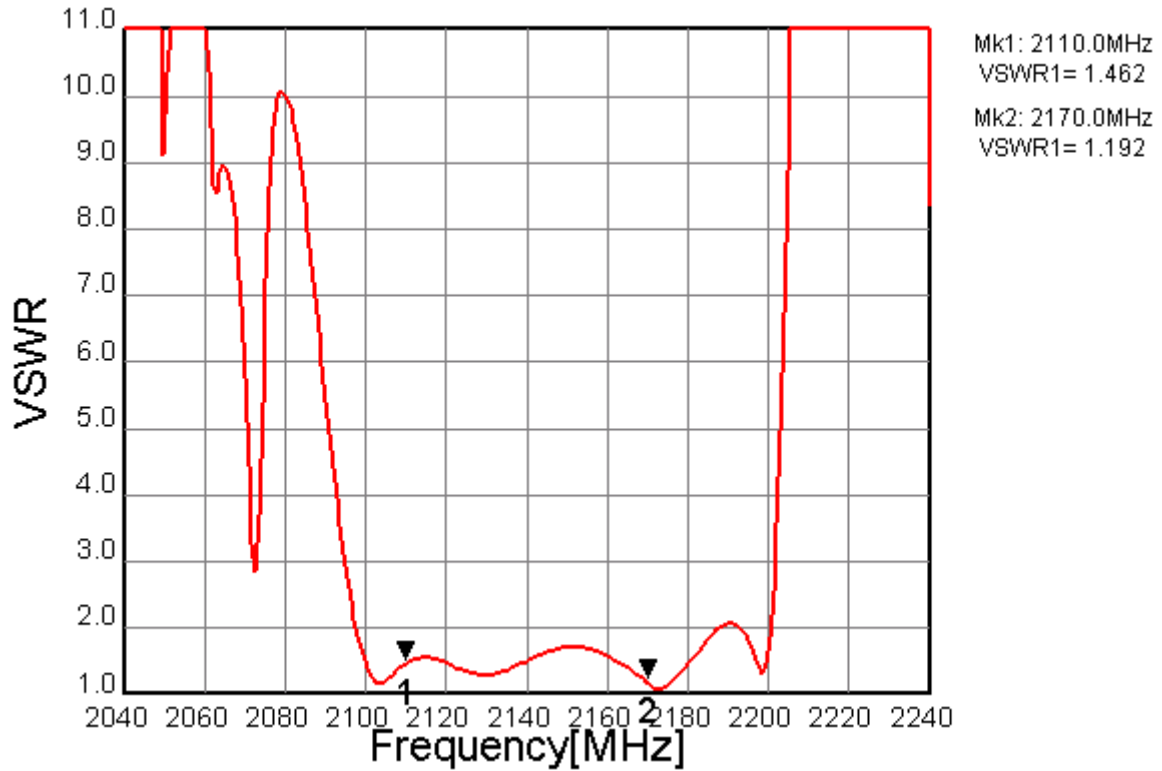


Fig.3 VSWR (unbal)

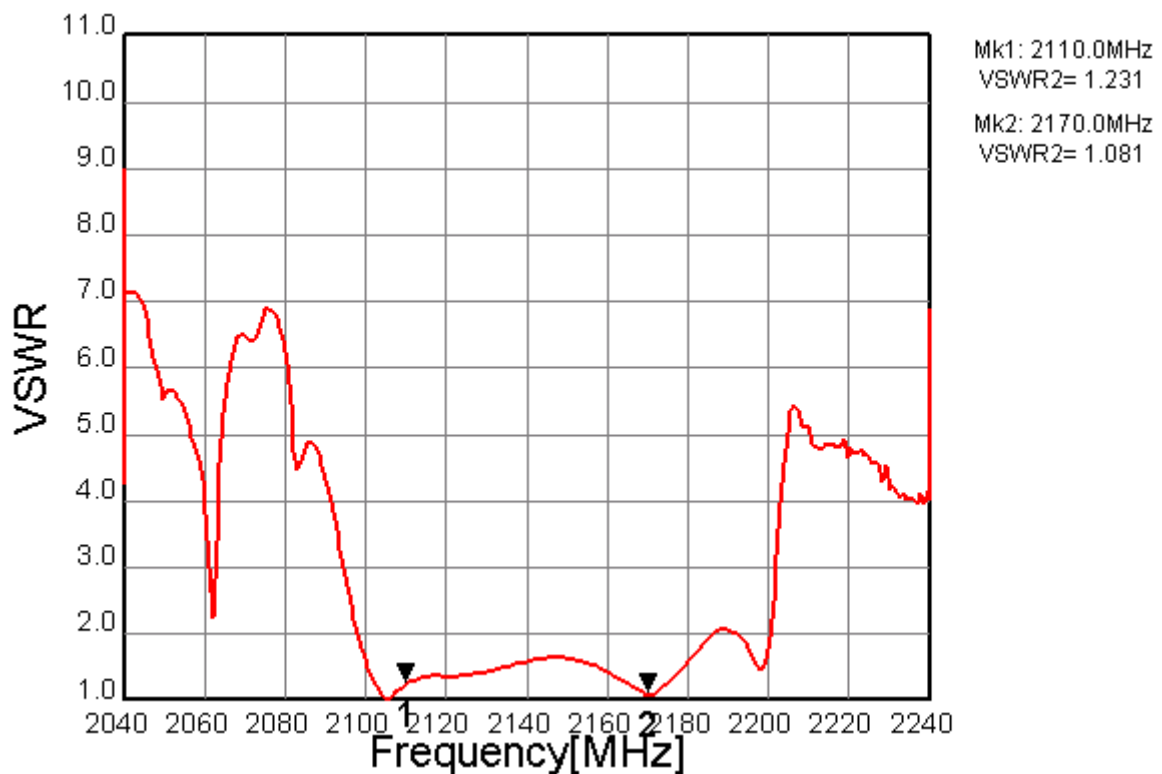


Fig.4 VSWR(bal)

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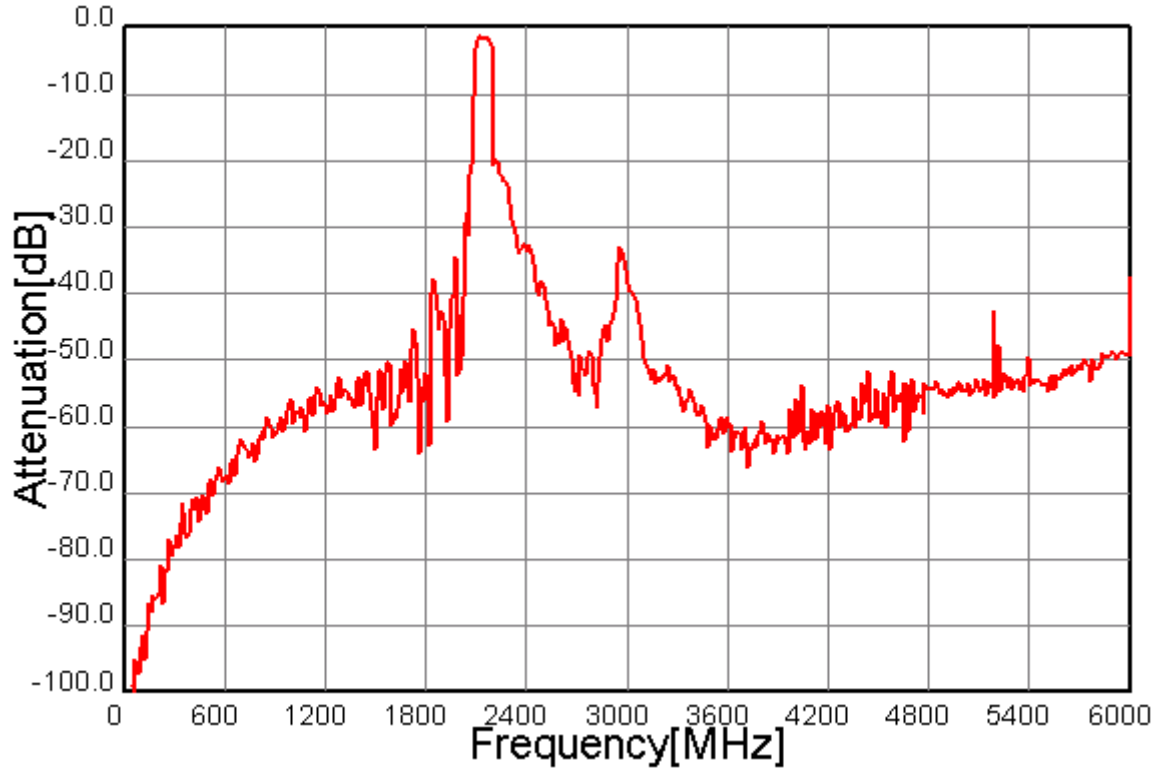


Fig.5 Wide-band Characteristics

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Customer No.	-	Reference No.	-

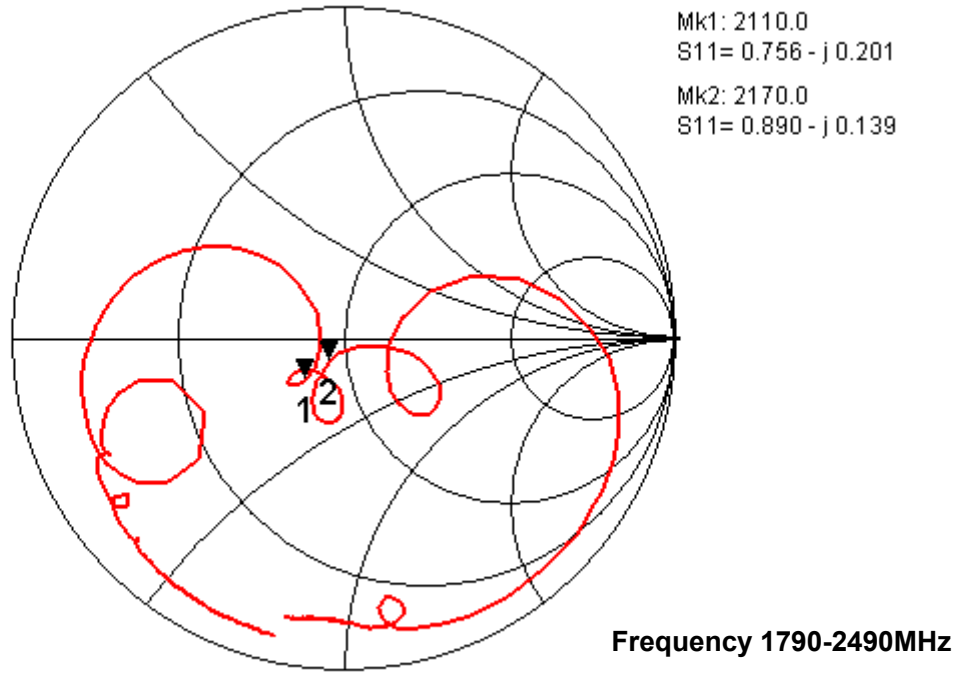


Fig.6 Impedance (unbal)

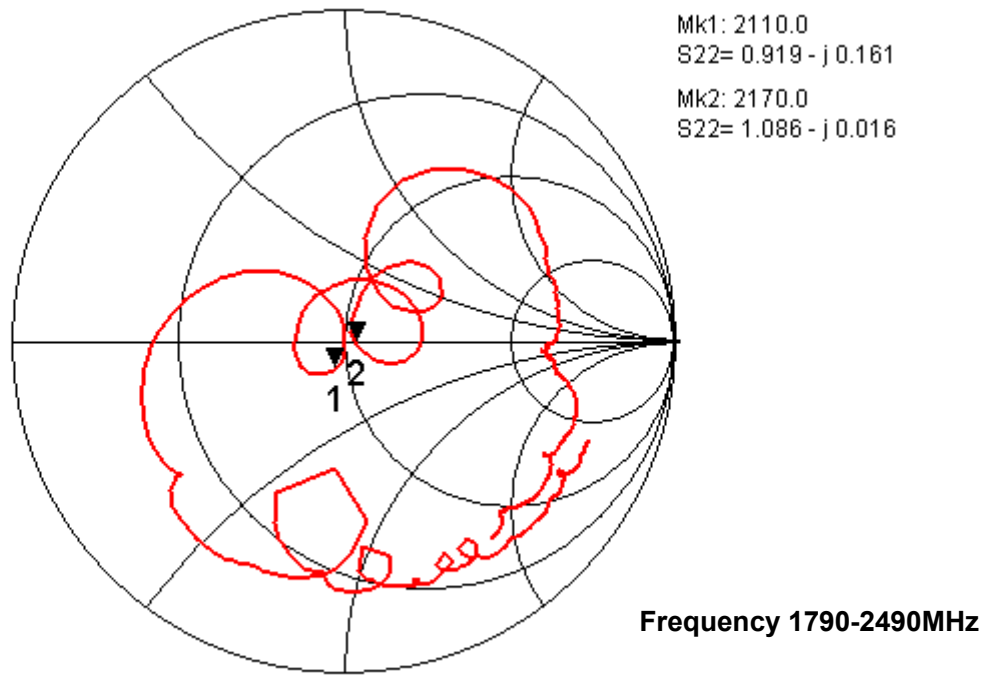


Fig.7 Impedance (bal)

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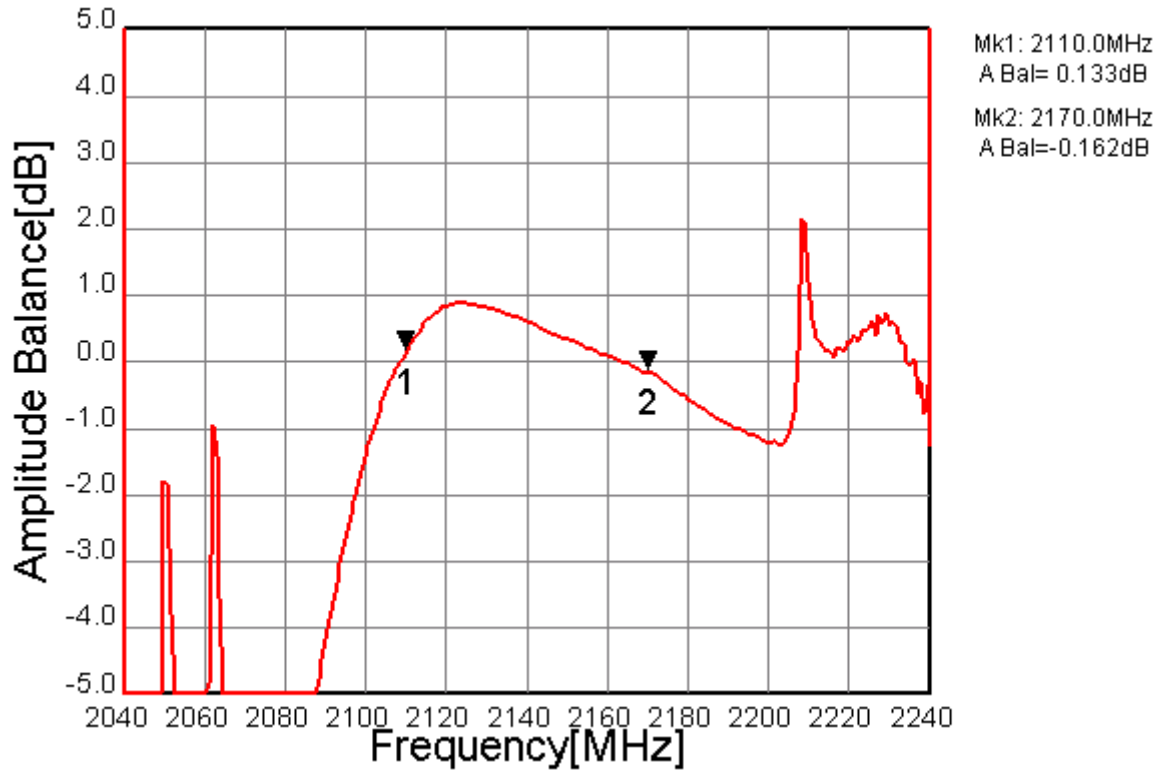


Fig.8 Amplitude Balance

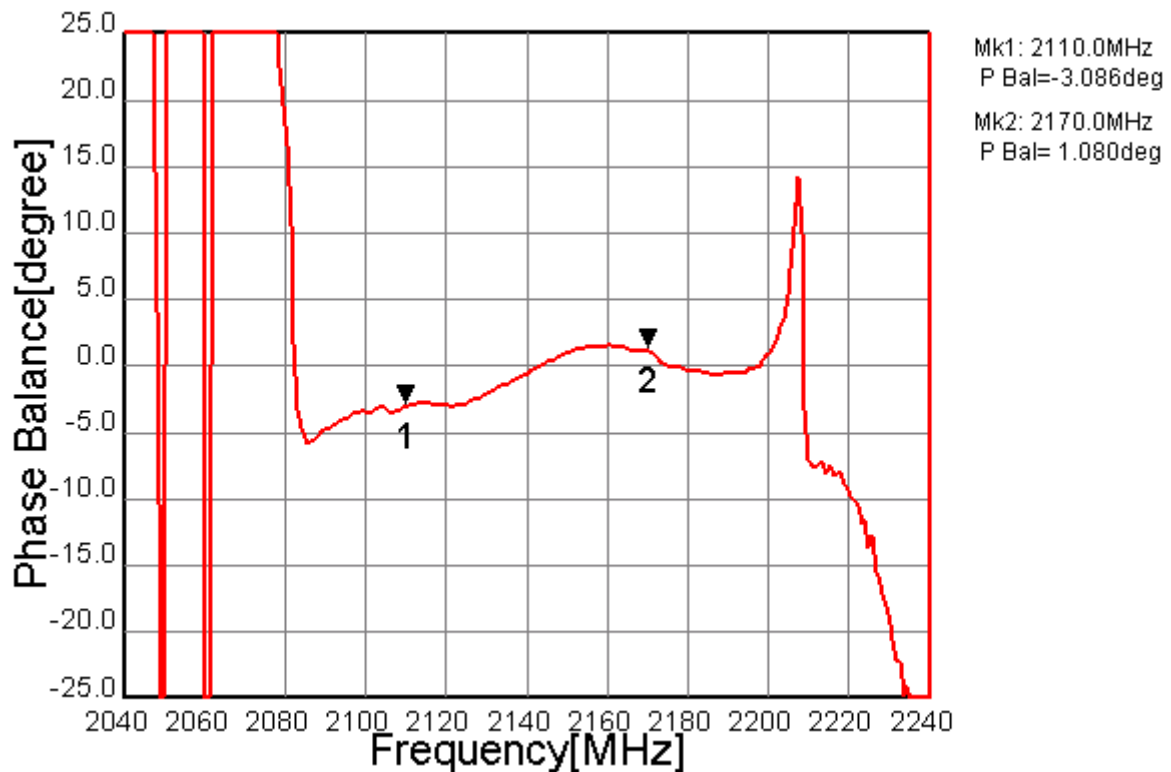


Fig.9 Phase Balance