

Customer Name	Standard specification	FUJITSU MEDIA DEVICES LIMITED	
System	WCDMA-Tx	DATE	Oct. 26, 2005
FMD Part Number	FAR-F6EB-1G9500-B2BQ	Version 3.0c	
Customer No.	-	Reference No.	-

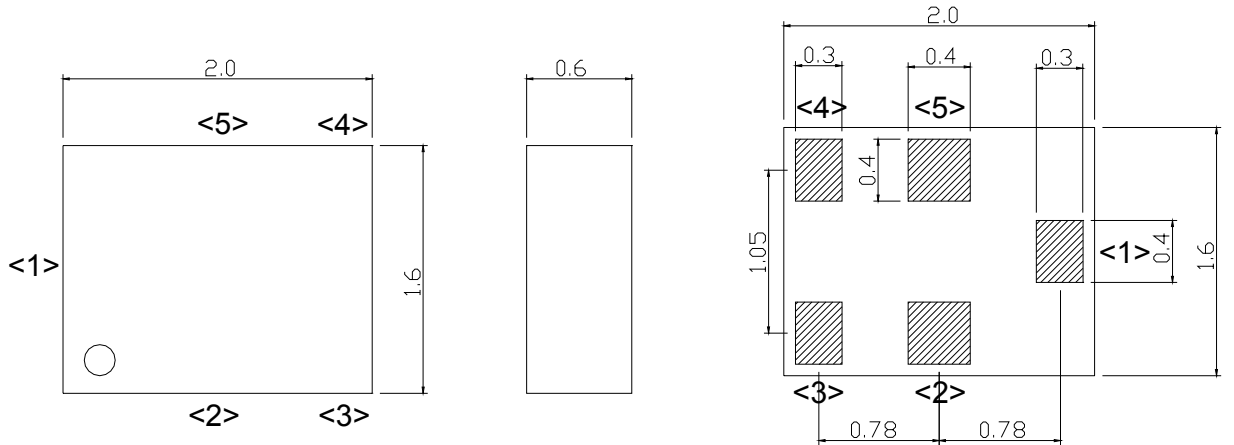
Table 1 Electrical Specification

Passband:1920 ~ 1980 MHz						
Item	Condition	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	1920 ~ 1980	-	2.0	3.3	dB	
Ripple	1920 ~ 1980	-	0.4	1.9	dB	
VSWR(bal)	1920 ~ 1980	-	1.9	3.0		
VSWR(unbal)	1920 ~ 1980	-	1.7	3.0		
Absolute attenuation	DC~1805	25	36	-	dB	
	1805~1880	10	27	-	dB	
	2110~2170	25	32	-	dB	
	3840~3960	25	50	-	dB	
Amplitude balance	1920 ~ 1980	-2.3	-0.6/+0.7	2.3	dB	
Phase balance	1920 ~ 1980	-15	-4.3/+5.0	15	deg.	
Input Impedance	Balance	100//10nH			Ohm	
Output Impedance	Single ended	50			Ohm	
Operating Temperature		-30 ~ +85			°C	
Dimension		2.0typ.x1.6typ.x0.6max.			mm	

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Dimensions

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

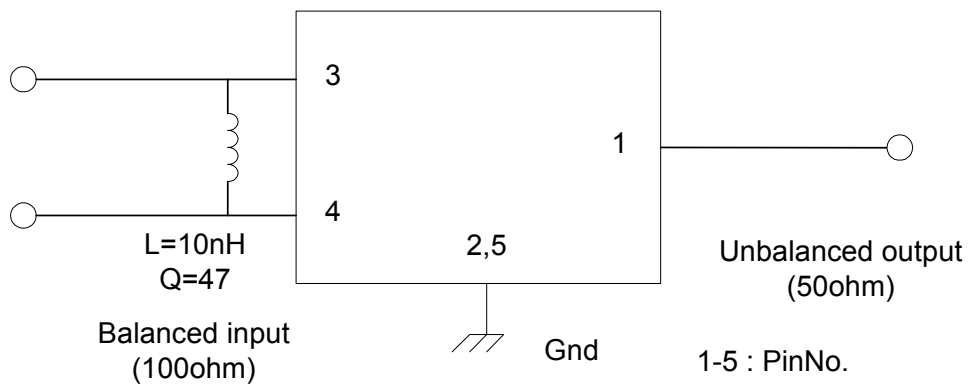


Unit : mm

Pin Configuration

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

Evaluation Circuit



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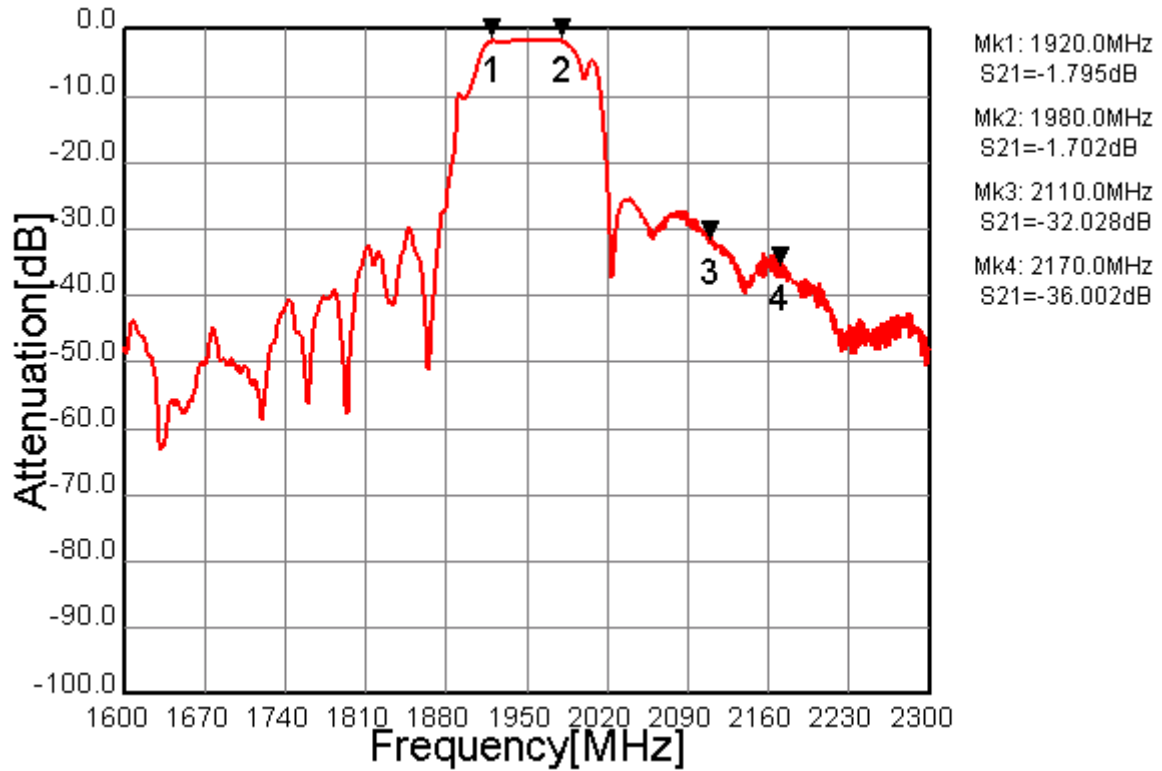


Fig.1 Pass-band Characteristics

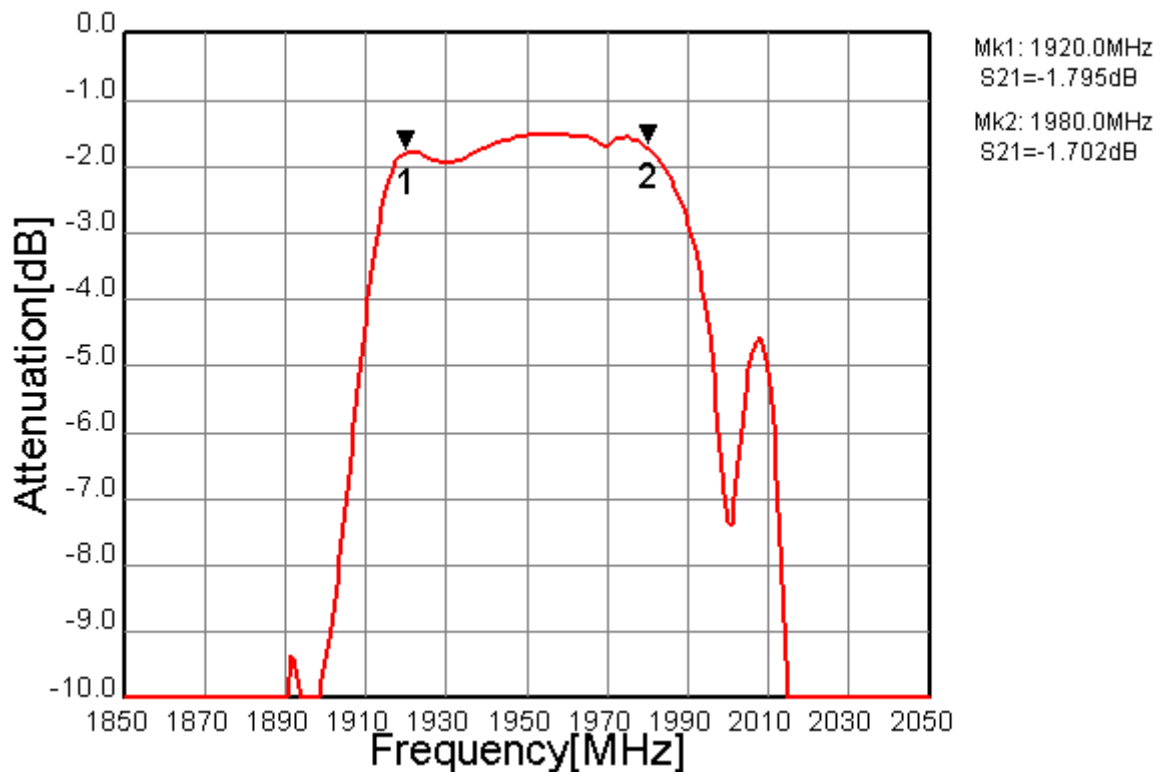


Fig.2 In-band Characteristics

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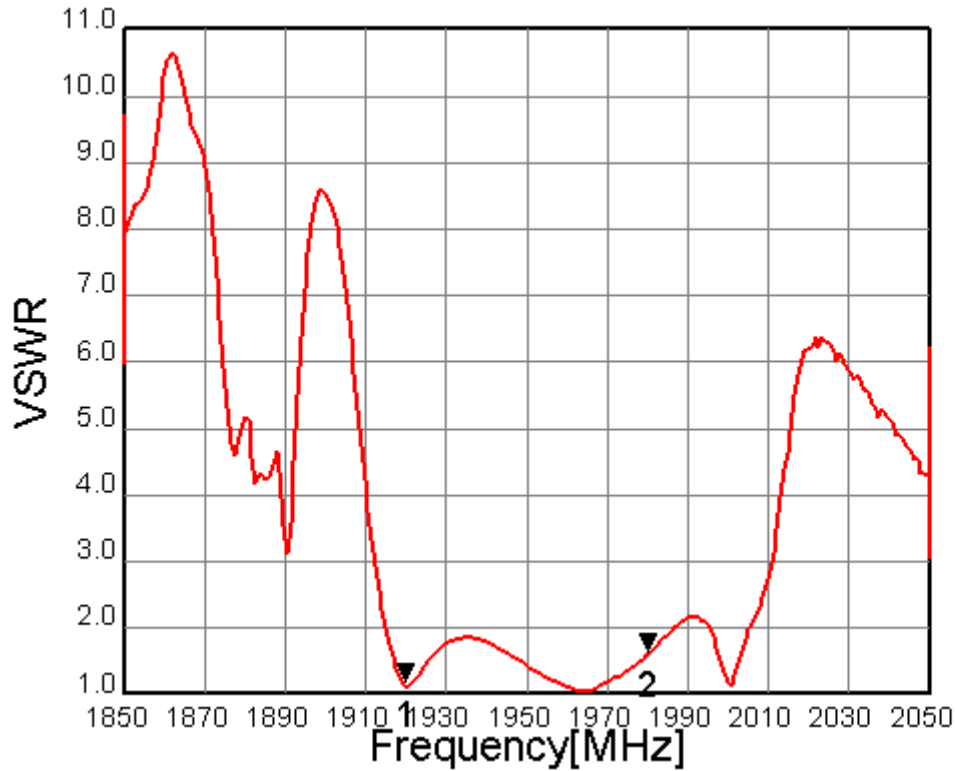


Fig.3 VSWR (bal)

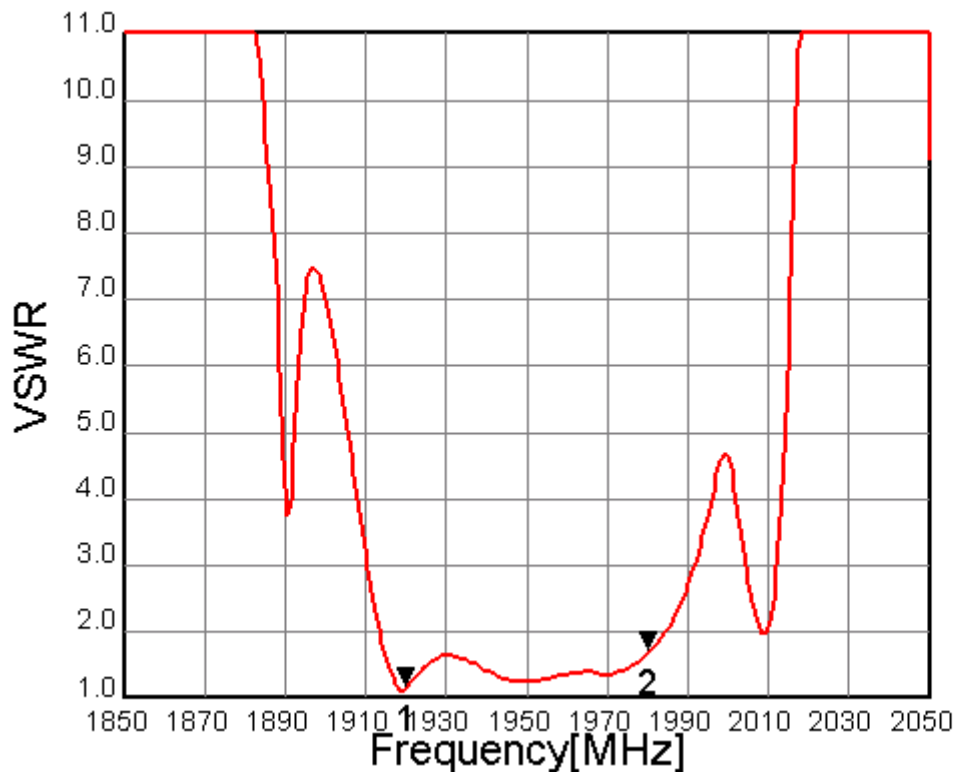


Fig.4 VSWR(unbal)

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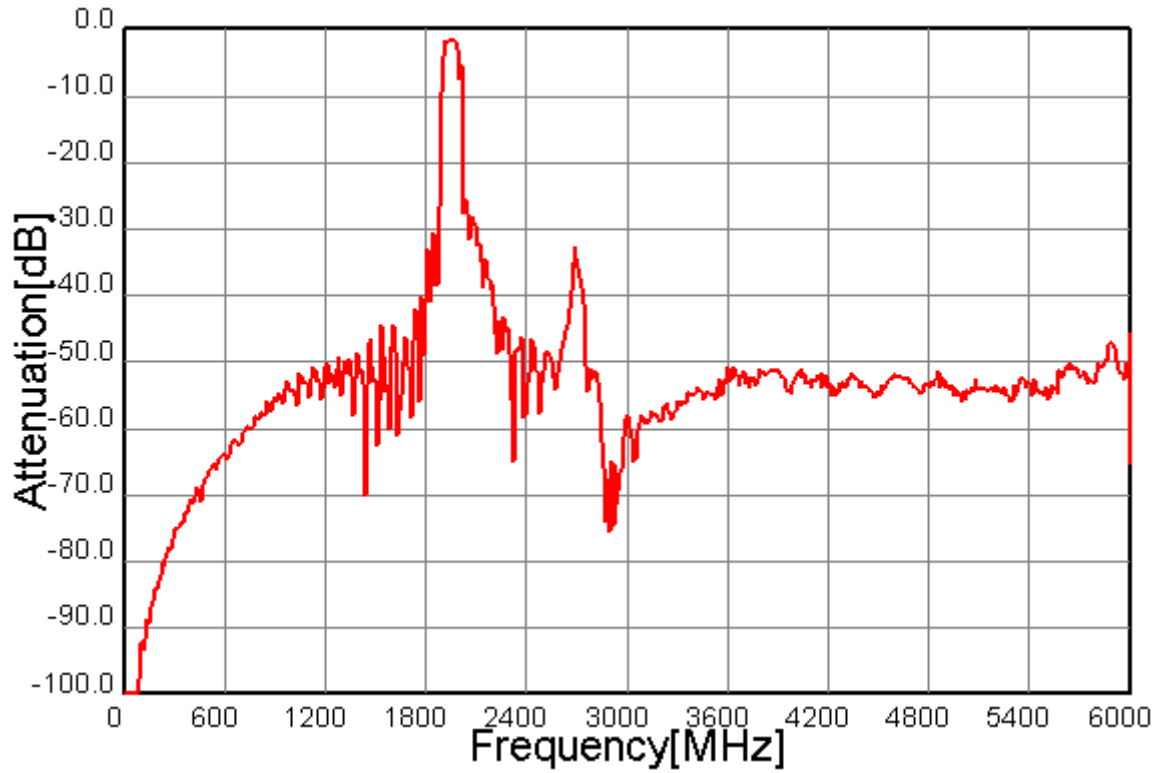


Fig.5 Wide-band Characteristics

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Customer No.	-	Reference No.	-

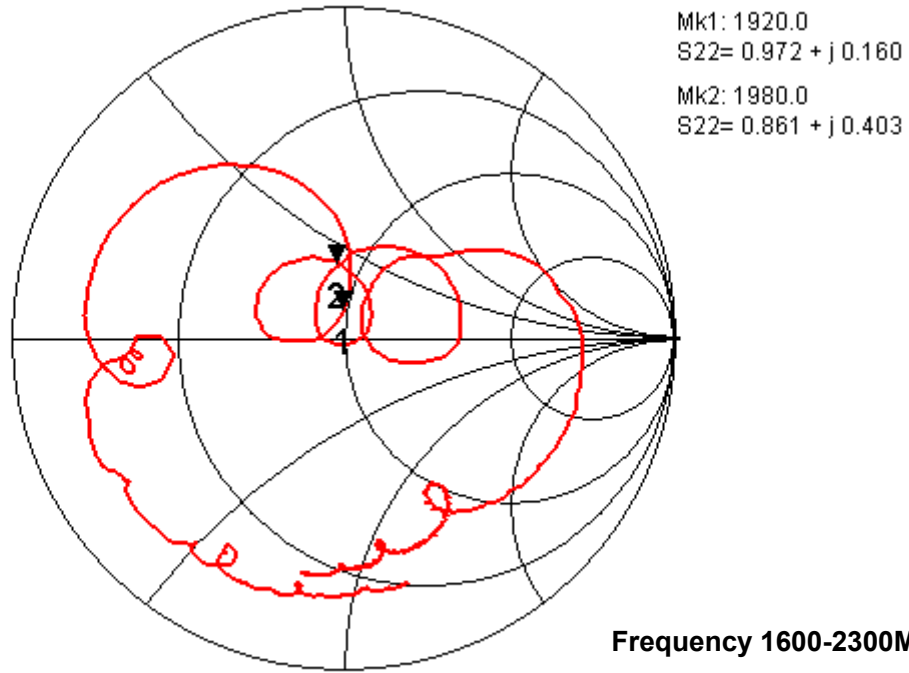


Fig.6 Impedance (bal)

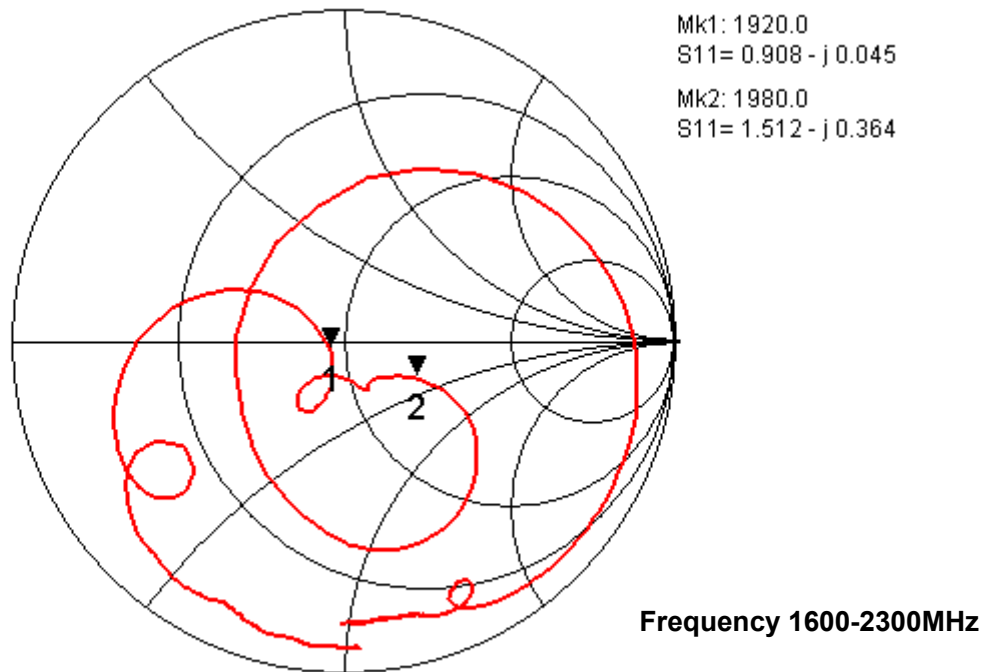


Fig.7 Impedance (unbal)

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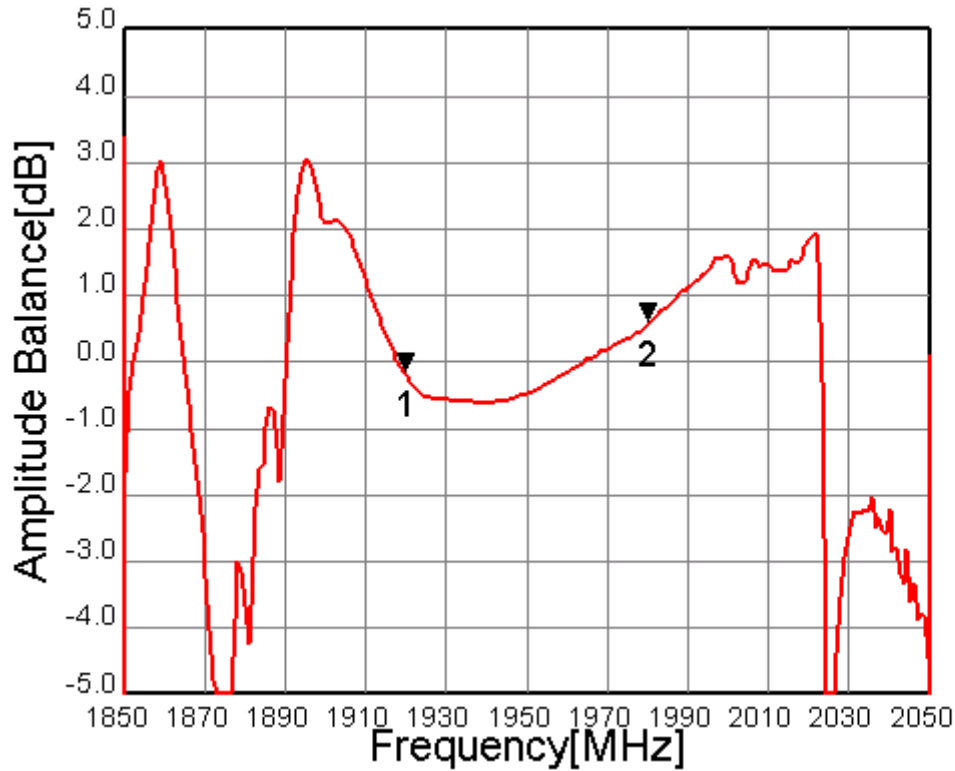


Fig.8 Amplitude Balance

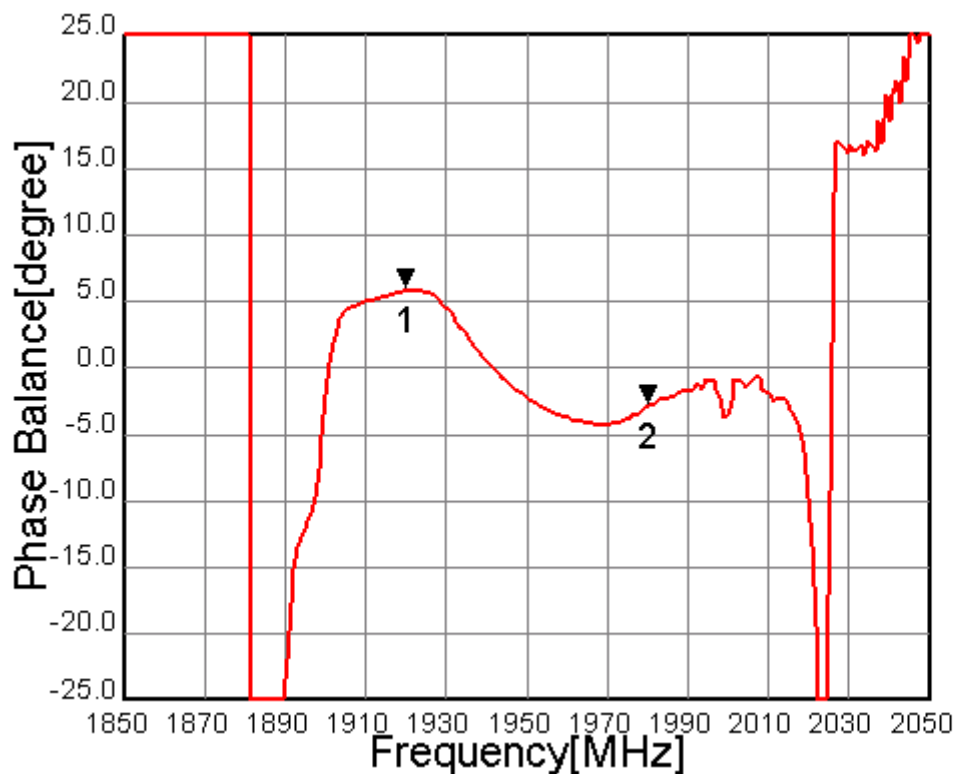


Fig.9 Phase Balance