

Customer Name	<b>Standard specification</b>	FUJITSU MEDIA DEVICES LIMITED	
System	WCDMA-Tx(100/50)	DATE	Jul. 08, 2005
FMD Part Number	FAR-F6KB-1G9500-B4GJ	Version 1.0a	
Customer No.	-	Reference No.	-

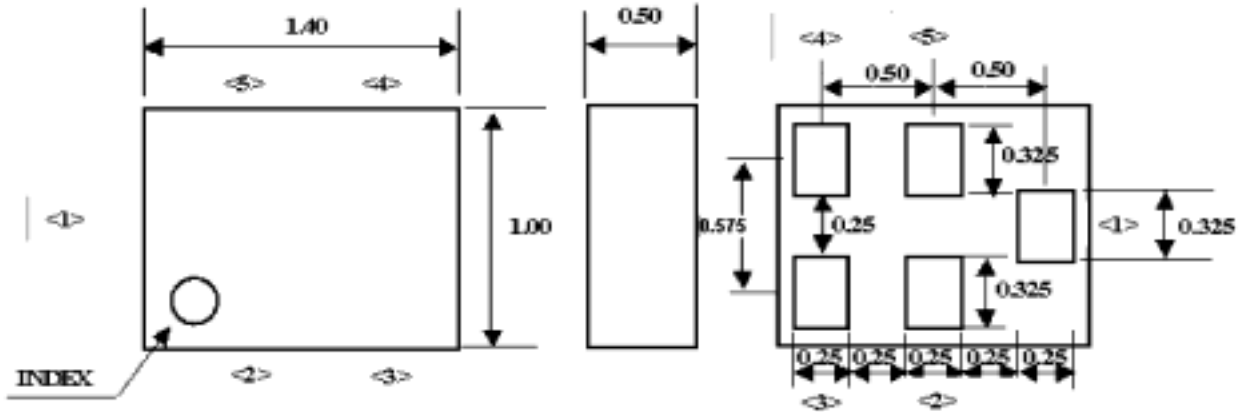
**Table 1 Electrical Specification**

Parameter	Condition /MHz	Specification				Remarks
		Min.	Typ.	Max.	Unit	
Insertion Loss	1920-1980	-	2.1	3.0	dB	
Ripple	1920-1980	-	0.7	2.0	dB	
Attenuation	2110~ 2170	30	34	-	dB	
	3840~ 3960	20	46	-	dB	
	5760~ 5940	18	42	-	dB	
Input VSWR(bal)	1920-1980	-	2.1	2.5	-	
Output VSWR(unbal)	1920-1980	-	2.1	2.5	-	
Amplitude balance ( S21/S31 )	1920-1980	-2.0	-1.3/+1.0	+2.0	dB	
Phase balance (( $\angle S_{21} - \angle S_{31}$ )+180)	1920-1980	-10	-0.0/+4.0	+10	deg.	
Input Impedance	Balanced	100//18nH			ohm	
Output Impedance	Unbalanced	50			ohm	
Operating temperature		-30 ~ +85			°C	
Device size		1.4typ.x1.0typ. x0.5max.			mm	

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**Dimensions**

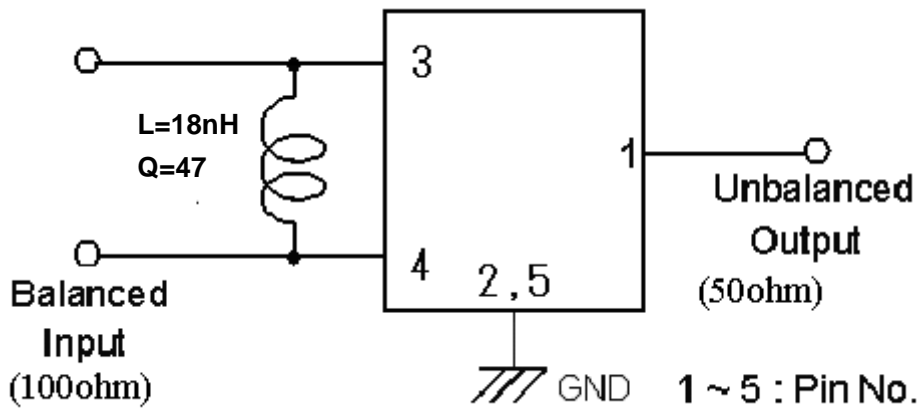
Device size: 1.4typ. x 1.0typ. x 0.5max.



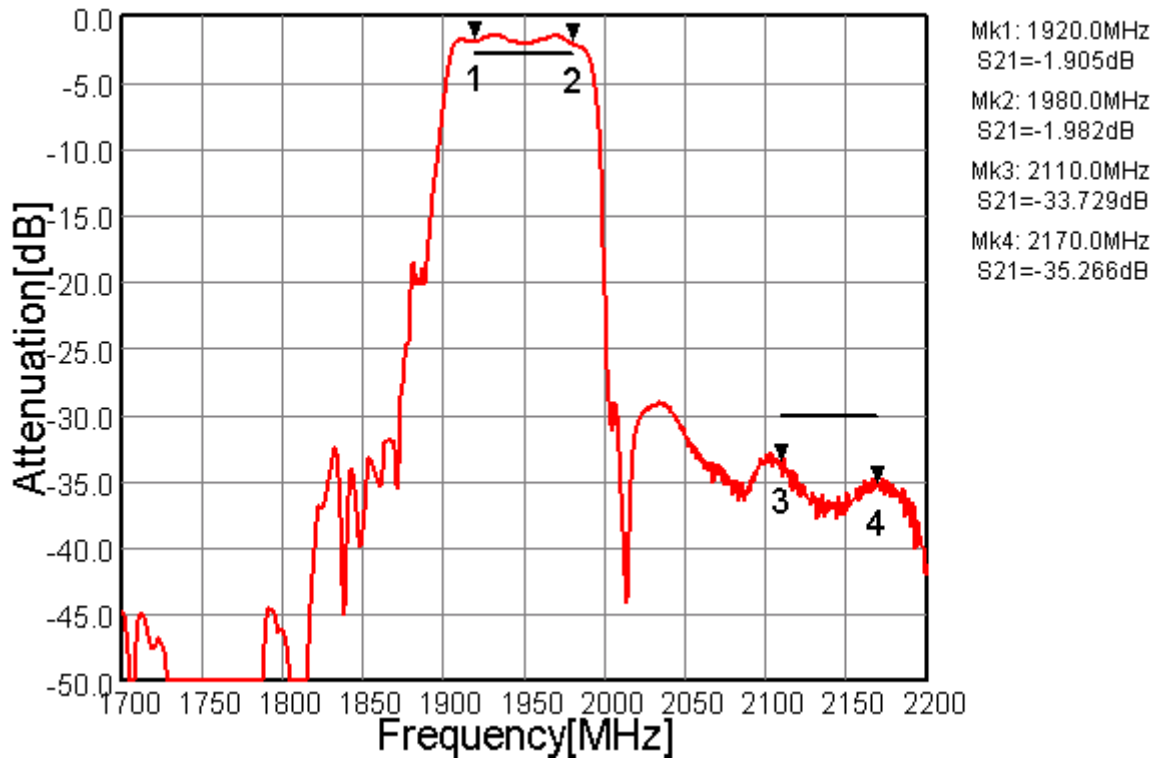
**Pin Configuration**

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

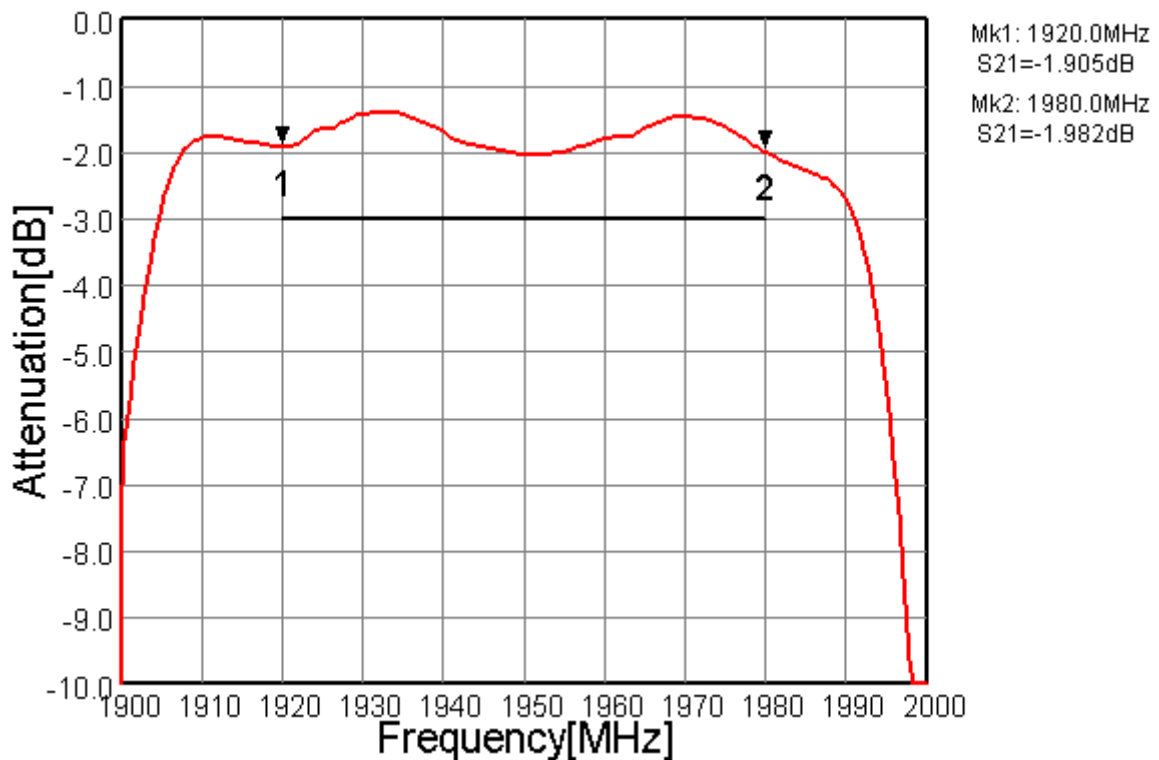
**Evaluation Circuit**



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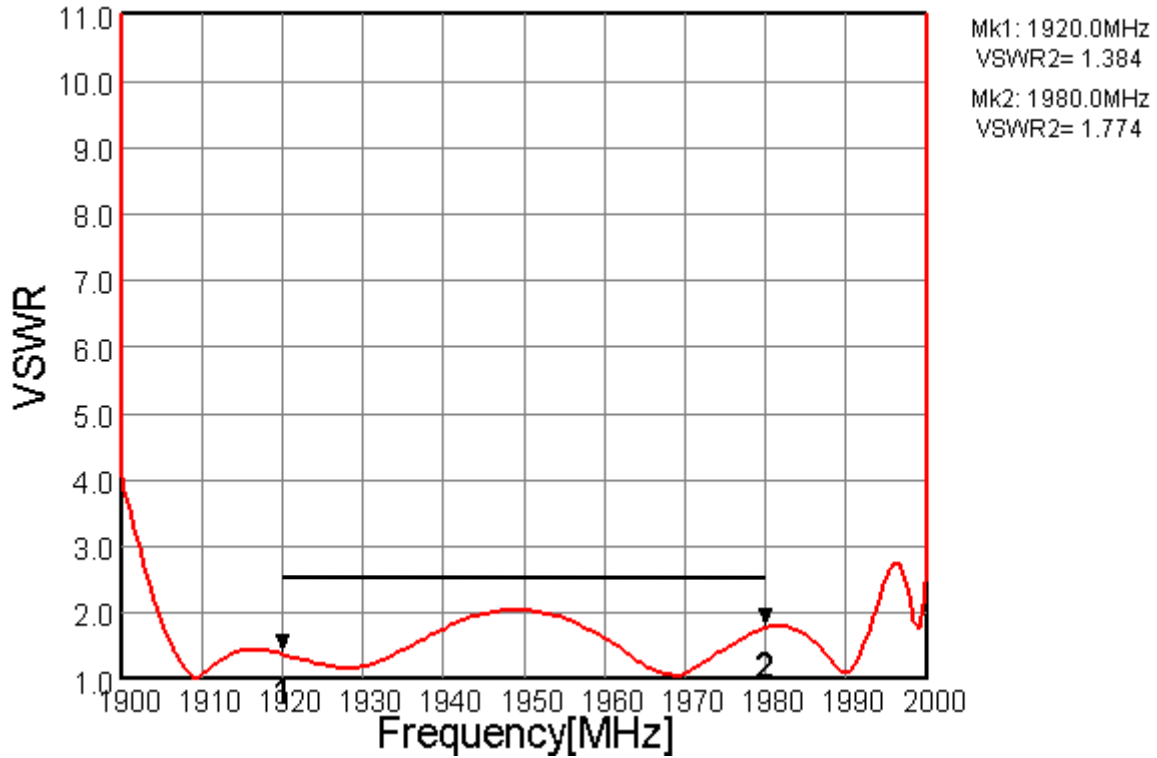


**Fig.1 Pass-band Characteristics**

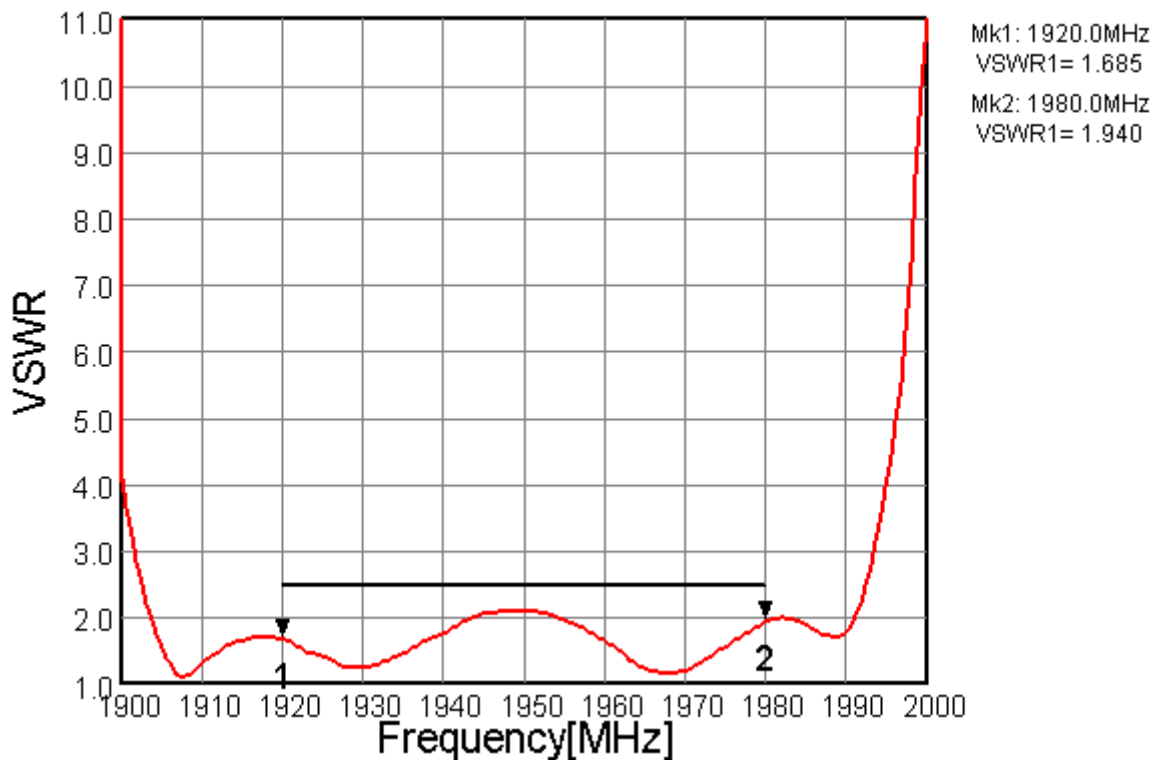


**Fig.2 In-band Characteristics**

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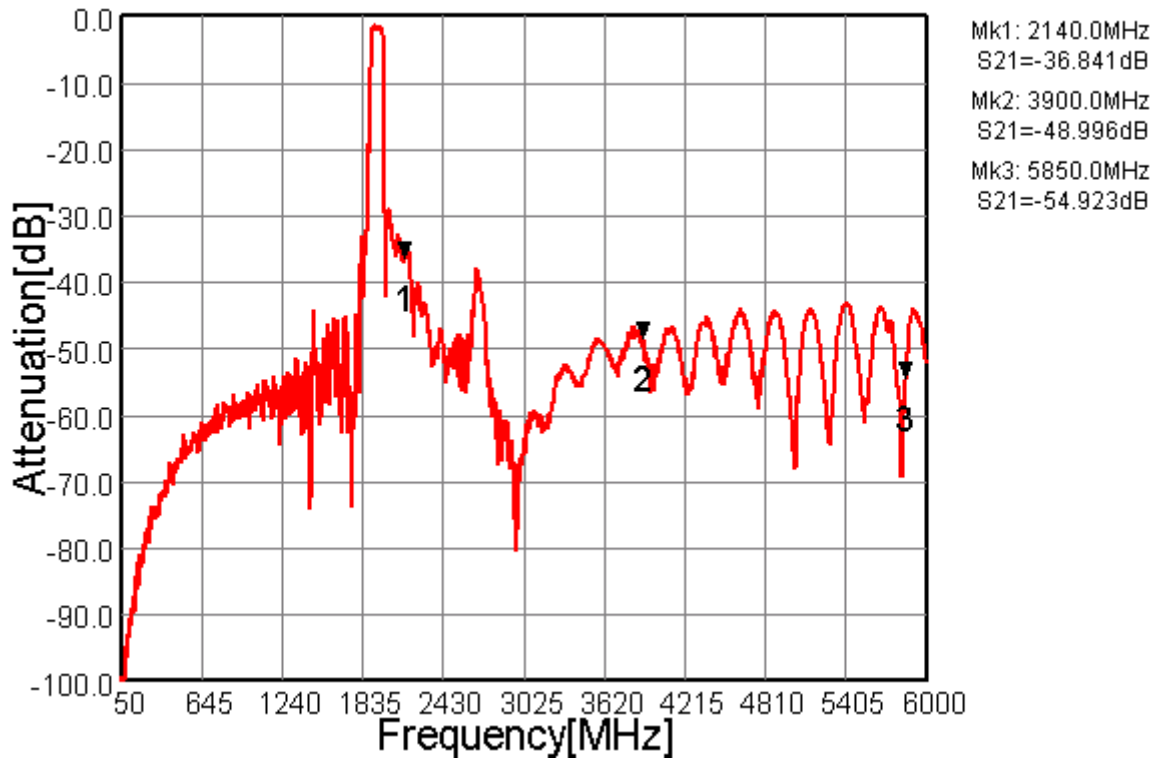


**Fig.3 VSWR (Input)**



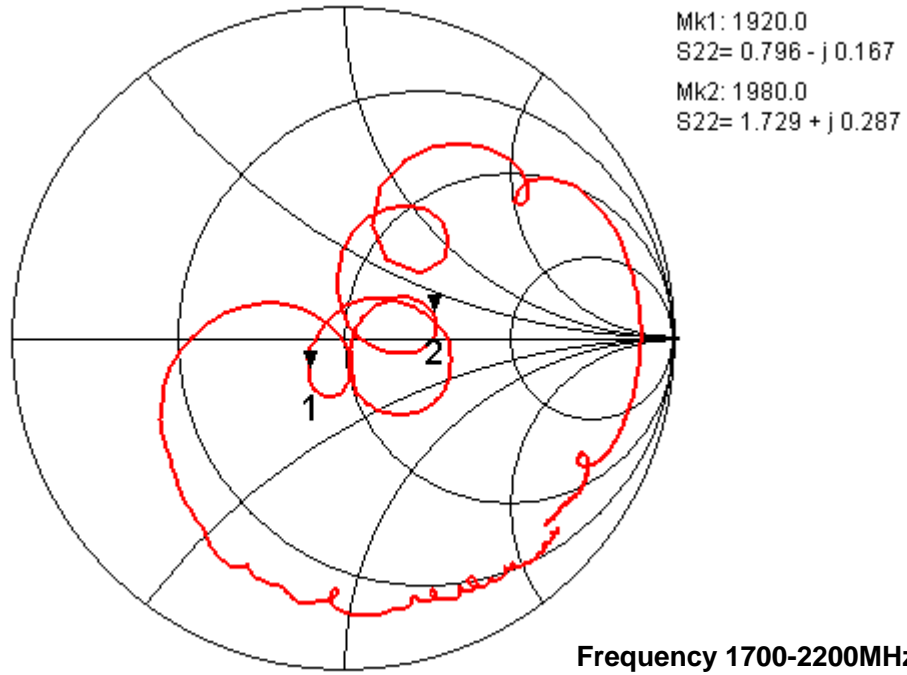
**Fig.4 VSWR(Output)**

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Customer No.	-	Reference No.	-

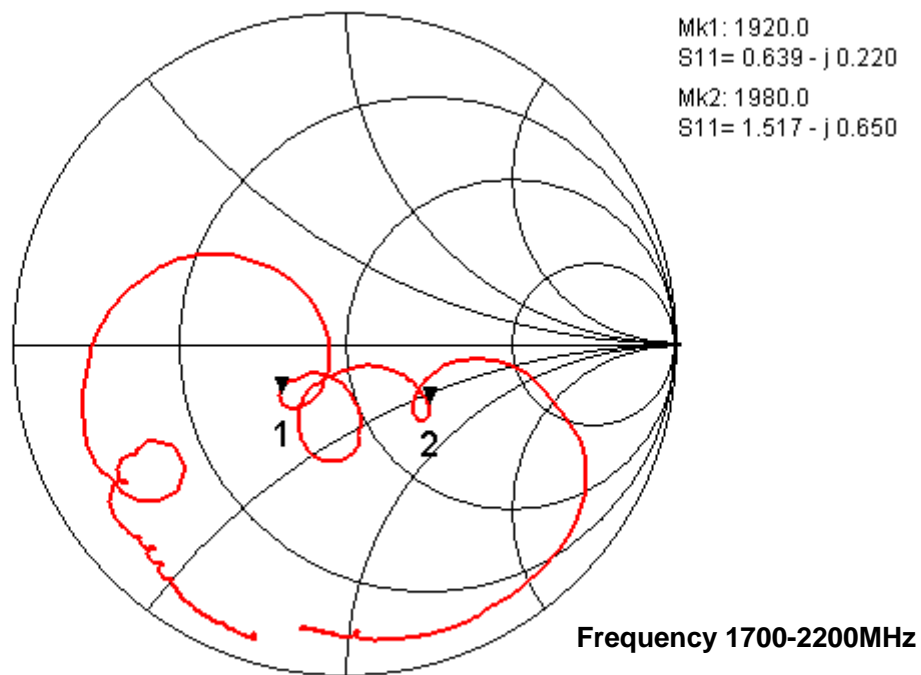


**Fig.5 Wide-band Characteristics**

Customer Name	<b>Standard specification</b>	FUJITSU MEDIA DEVICES LIMITED	
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Customer No.	-	Reference No.	-

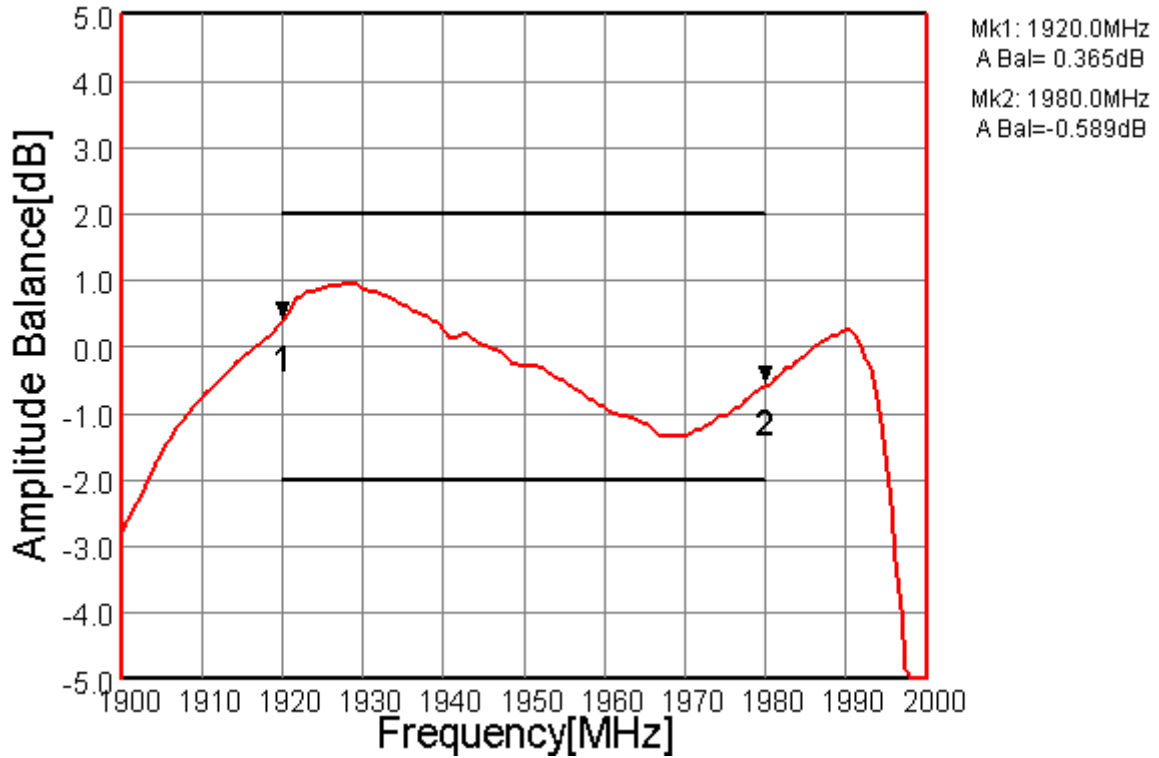


**Fig.6 Impedance (Input)**

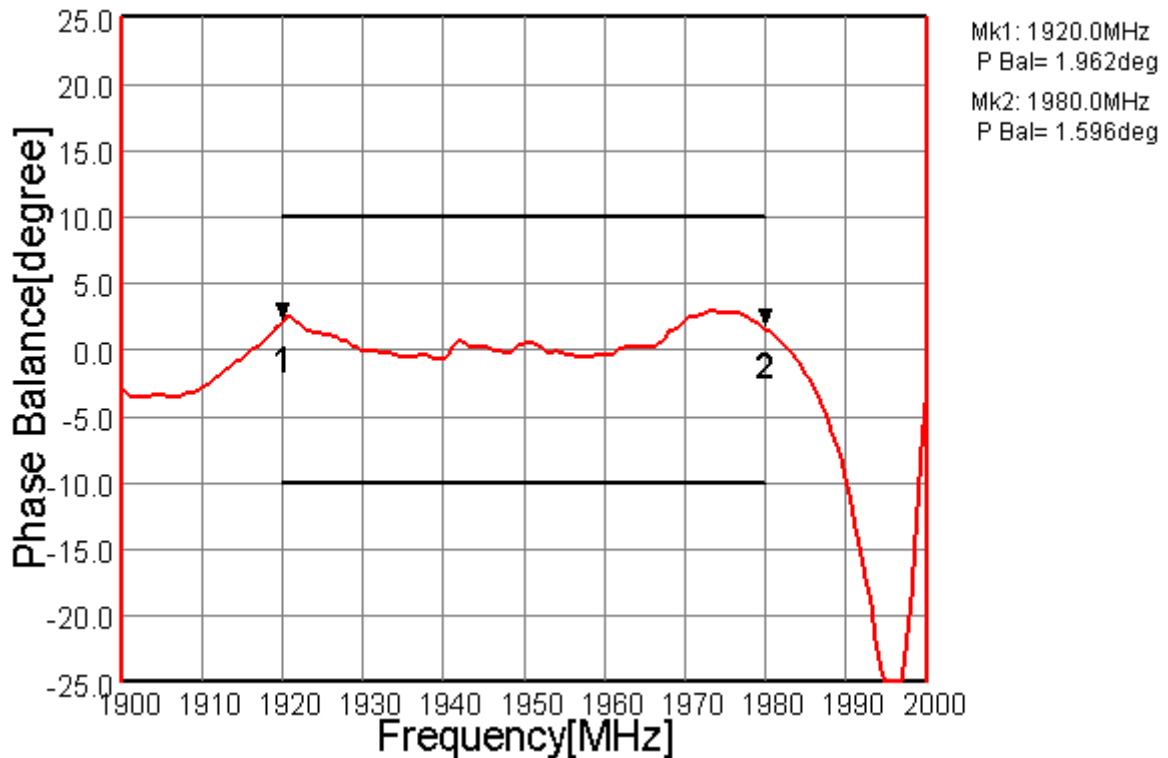


**Fig.7 Impedance (Output)**

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**Fig.8 Amplitude Balance**



**Fig.9 Phase Balance**