

Customer Name	Standard Specification	FUJITSU MEDIA DEVICES LIMITED	
System	DCS-Rx (50/150ohm)	DATE	Jul. 18, 2003
FMD P/N	FAR-F6EC-1G8425-B2CE	Version 1.0a	

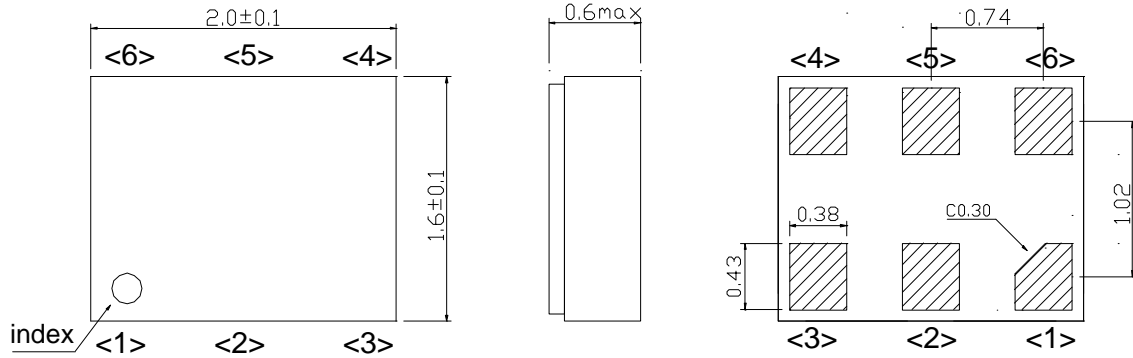
Table 1 Electrical Specification

Passband : 1805 ~ 1880 MHz						
Item	Condition (MHz)	Specification			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	1805 ~ 1880	-	1.9	2.3	dB	+25+/-2°C
		-	-	2.5	dB	
Ripple	1805 ~ 1880	-	0.6	1.5	dB	
Absolute attenuation	DC ~ 1300	30	42	-	dB	
	1300 ~ 1705	23	27	-	dB	
	1705 ~ 1785	12	16	-	dB	+25+/-2°C
		10	-	-	dB	
	1920 ~ 1980	12	13	-	dB	+25+/-2°C
		10	-	-	dB	
	1980 ~ 2500	22	26	-	dB	
2500 ~ 4000	24	28	-	dB		
4000 ~ 6000	25	45	-	dB		
VSWR S11	1805 ~ 1880	-	2.0	2.4	-	
VSWR S22	1805 ~ 1880	-	1.8	2.3	-	
Amplitude Balance S21 / S31	1805 ~ 1880	-1.5	+/-1.0	+1.5	dB	
Phase Balance (F S21-F S31)	1805 ~ 1880	-10	+/-6	+10	deg.	
Input impedance	Unbalance	50			ohm	
Output impedance	Balanced	150//15nH			ohm	
Operating temperature		-30 ~ +85			°C	
Device Size		2.0typ.x1.6typ.x0.6max.			mm	

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Dimensions

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

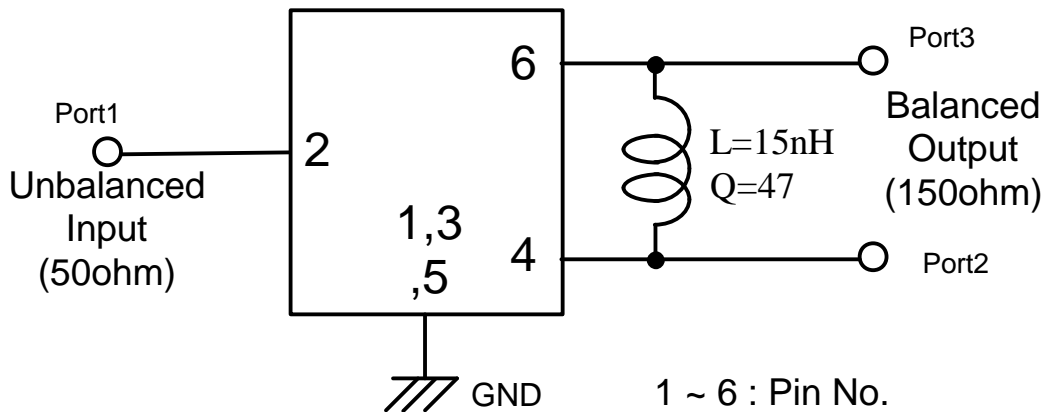


Unit : mm

Pin Configuration

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

Evaluation Circuit



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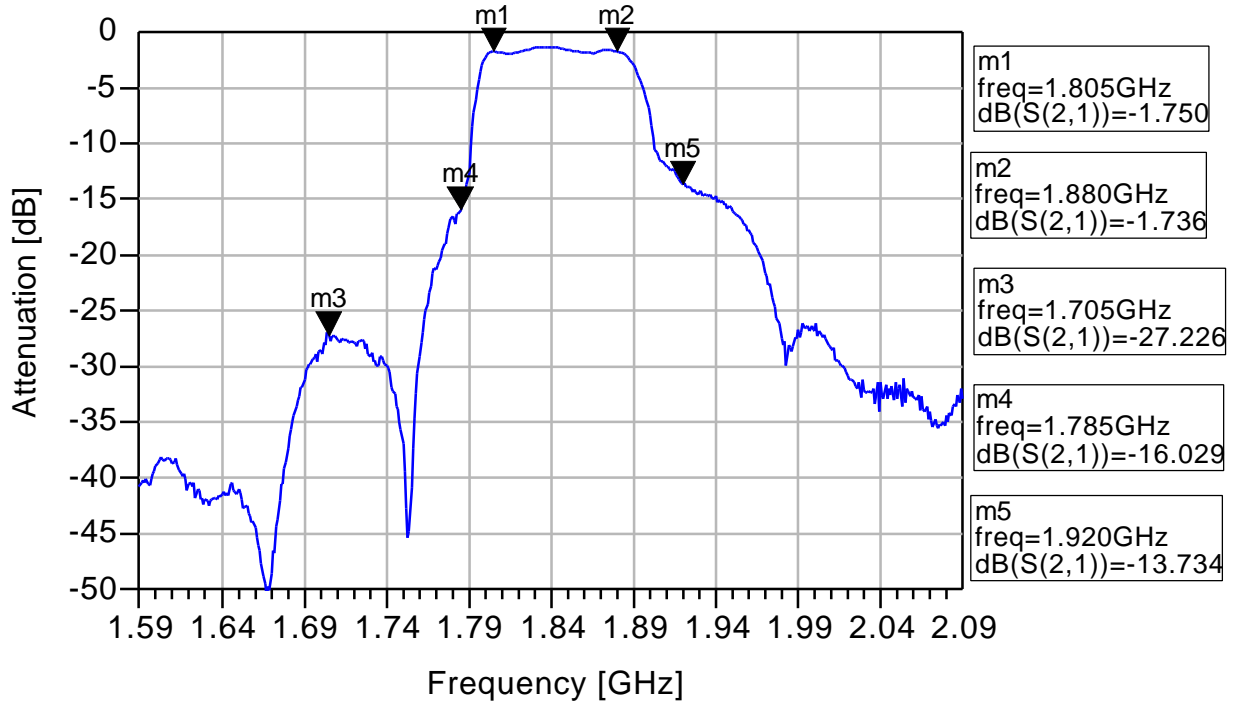


Fig. 1 Pass-band Characteristics

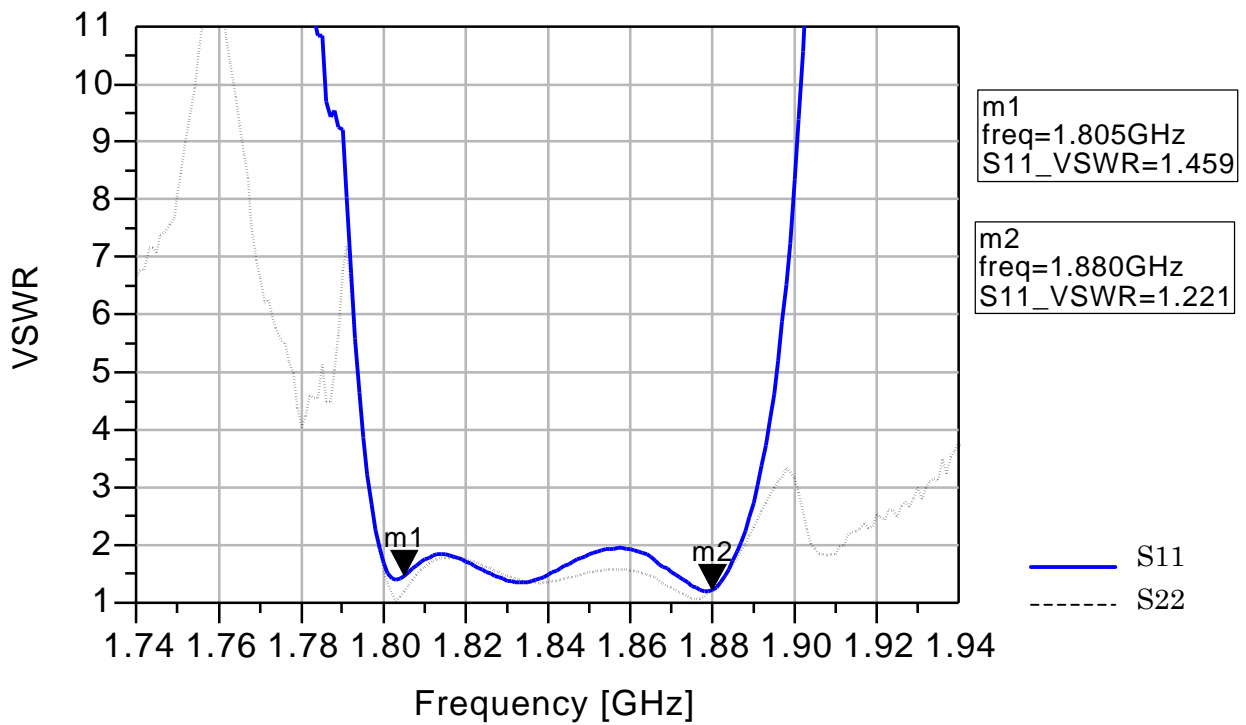


Fig.2 VSWR

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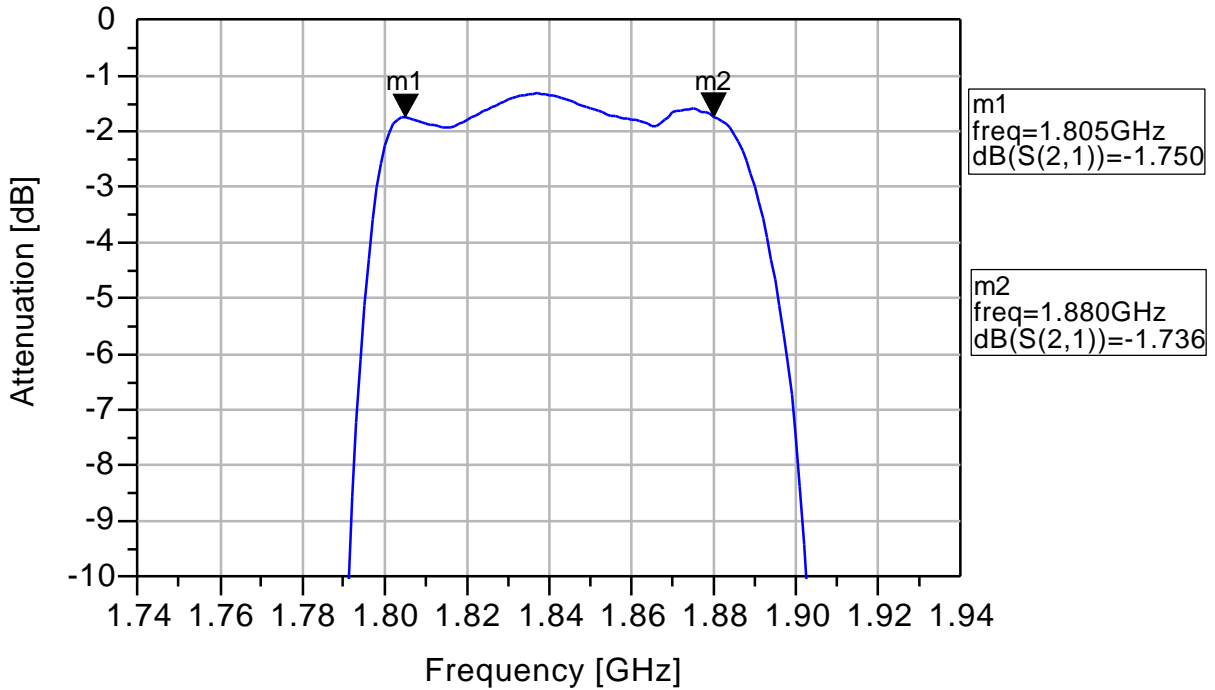


Fig.3 In-band Characteristics

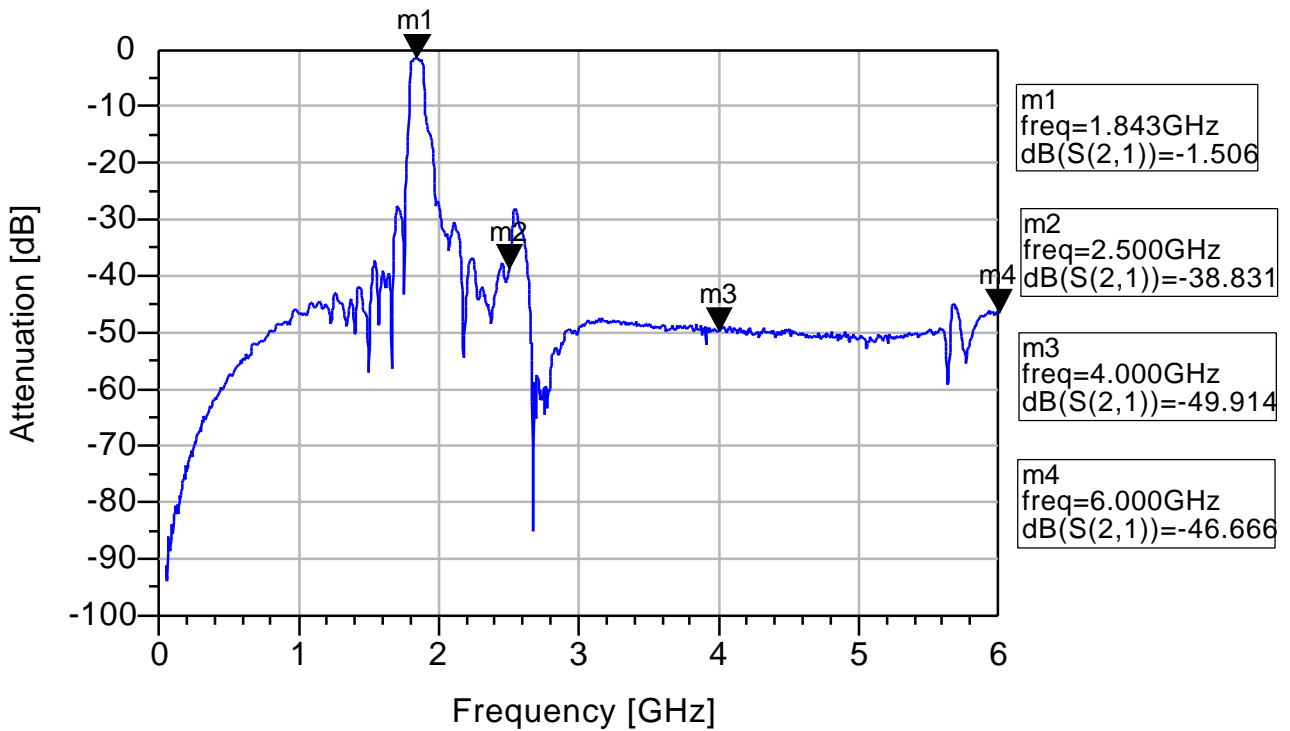


Fig.4 Wide-band Characteristics

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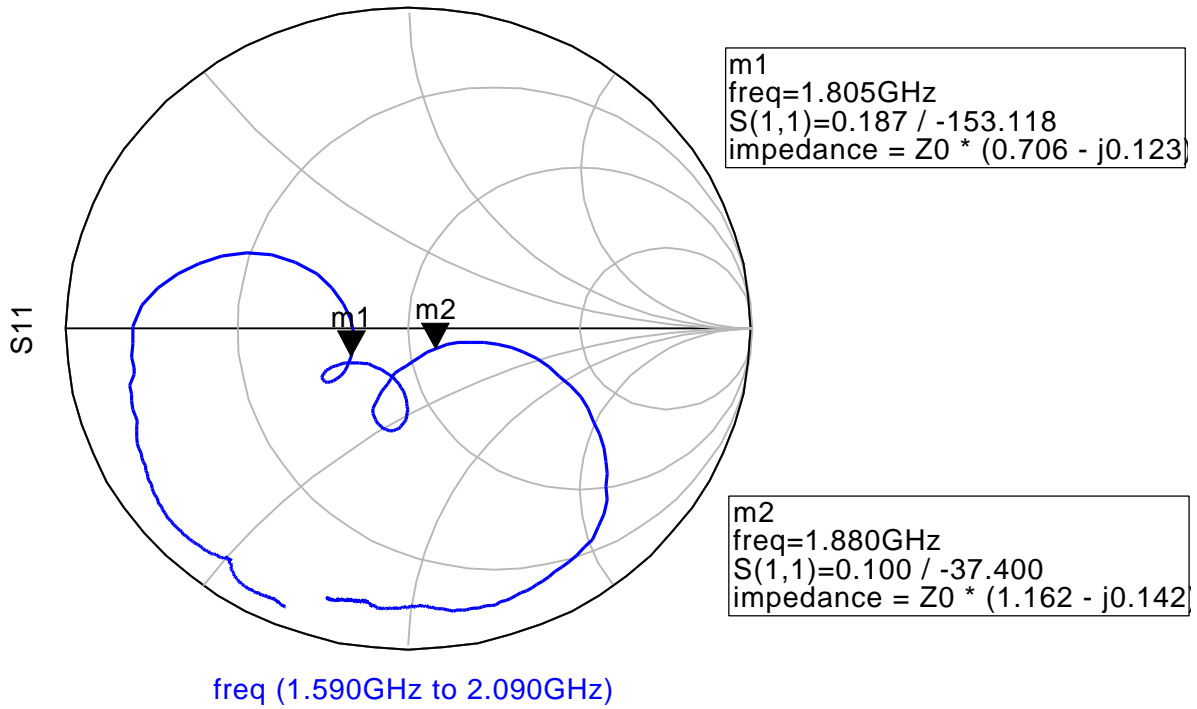


Fig.5 Impedance S11 (Unbal.)

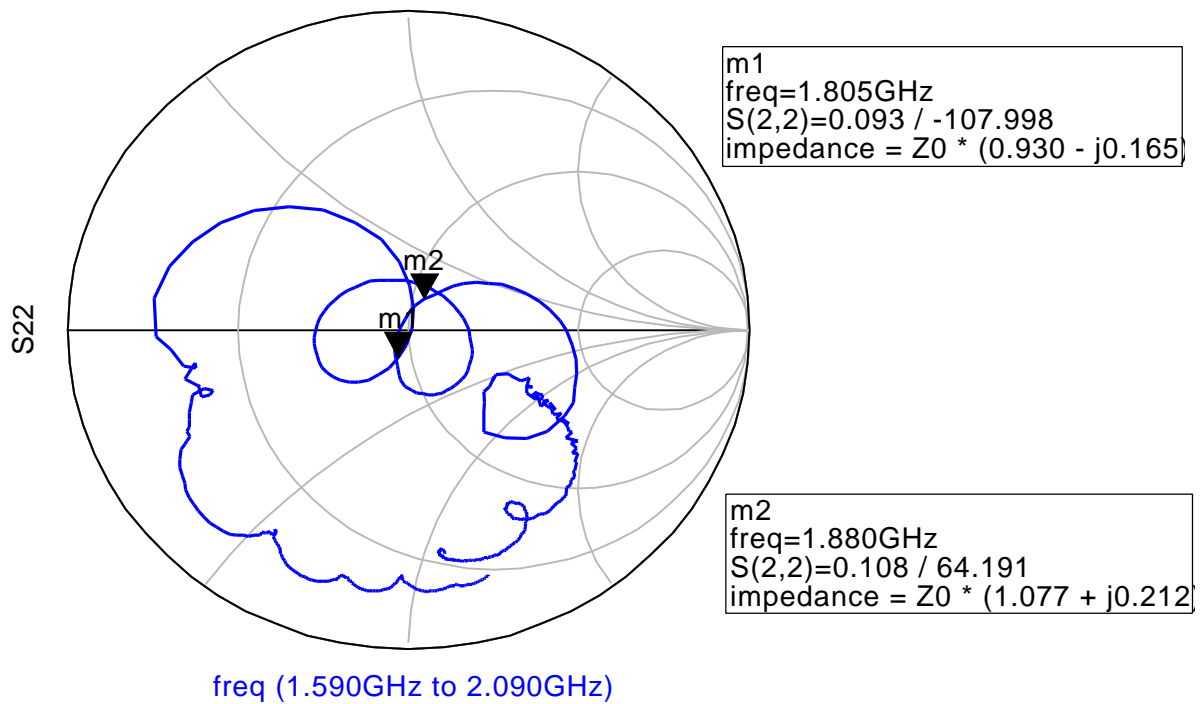
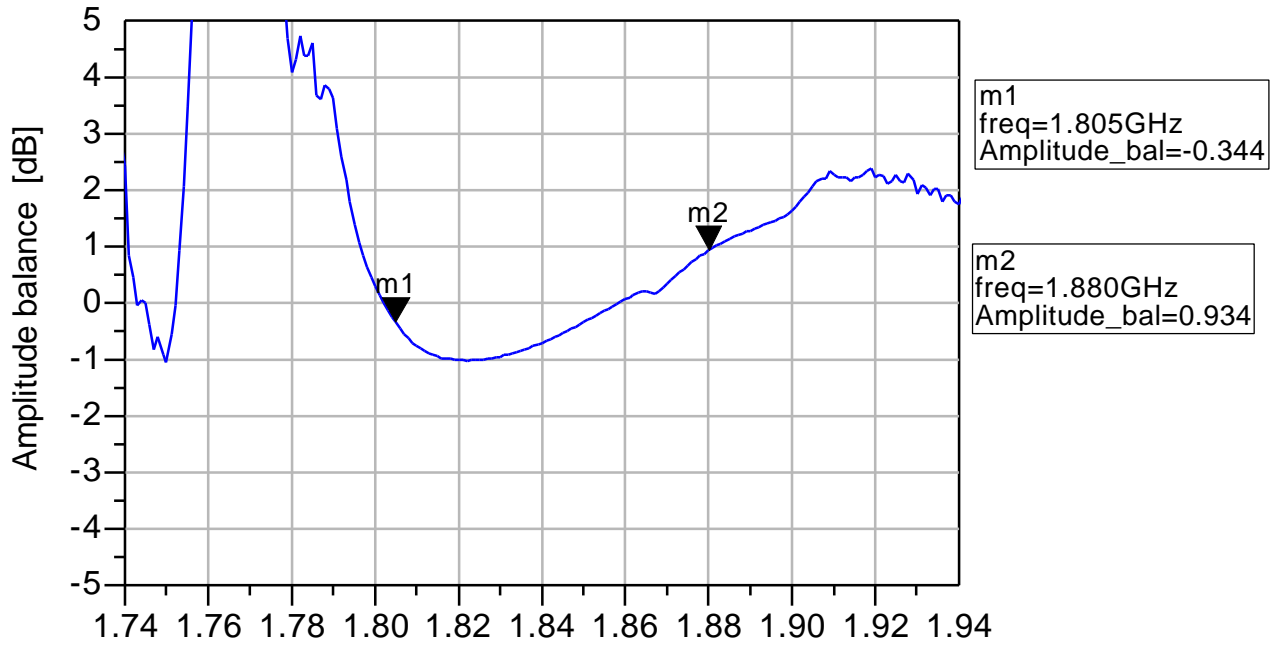
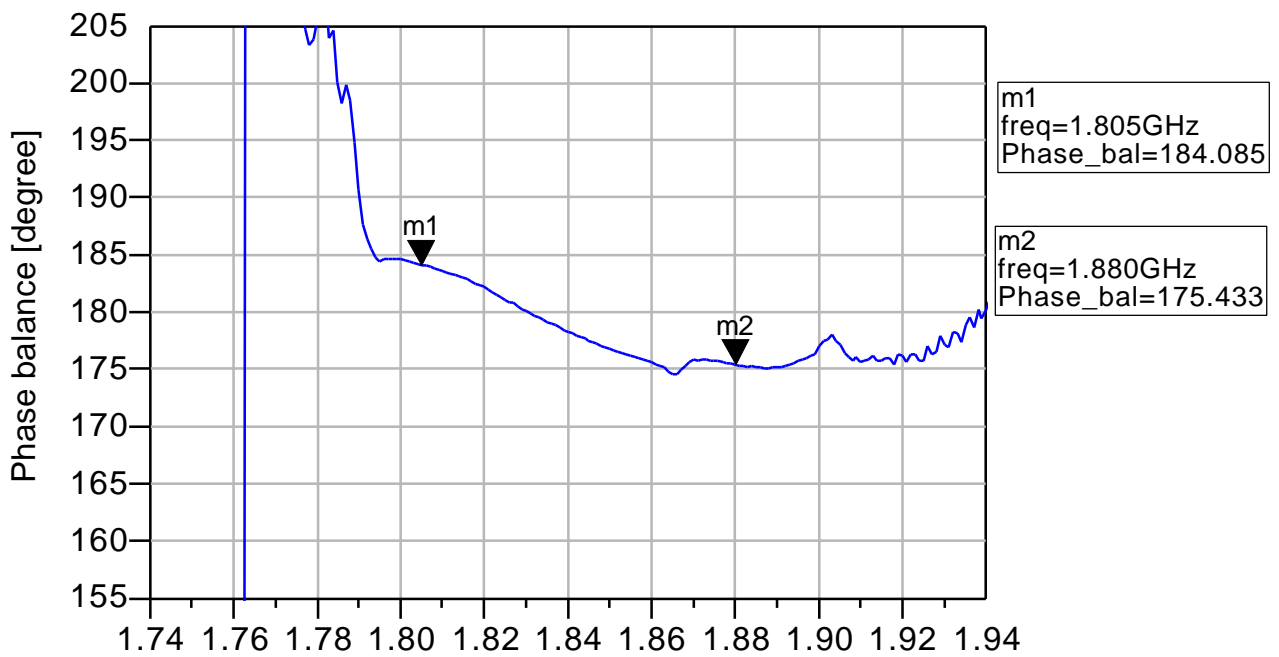


Fig.6 Impedance S22 (Bal.)

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Frequency [GHz]
Fig.7 Amplitude Balance



Frequency [GHz]
Fig.8 Phase Balance