



\* Pb Free Part



MSL1

Customer Name	<b>Standard specification</b>	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band8 Tx (50/50ohm)	DATE	Mar. 29, 2012
Part Number	F5QA897M5M2AC	Version 1.3 a	<b>Final</b>

**Table 1.Electrical specifications**

Item	Condition	Specification			Unit	Remark
		Min.	Typ.	Max.		
Insertion Loss	880.4 - 914.6 MHz	-	2.3	2.8	dB(*1)	
Ripple	880.4 - 914.6 MHz	-	0.8	1.6	dB	
Absolute Attenuation	DC - 860 MHz	30	50	-	dB	
	860 - 870 MHz	20	28	-	dB	
	925.4 - 935 MHz	10	18	-	dB	
	935 - 959.4 MHz	24	28	-	dB	
	1760 - 1830 MHz	34	44	-	dB	
	2640 - 2745 MHz	30	39	-	dB	
VSWR(Input)	880.4 - 914.6 MHz	-	2.2	2.5	-	
VSWR(Output)	880.4 - 914.6 MHz	-	2.1	2.5	-	
Input Power	880.4 - 914.6 MHz	-	-	13	dBm	
Input Impedance	Unbalance	50			ohm	
Output Impedance	Unbalance	50			ohm	
Device Size		1.1typ. x 0.9typ. x 0.5max.			mm	
Operating temp.		-30 ~ +85			°C	

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





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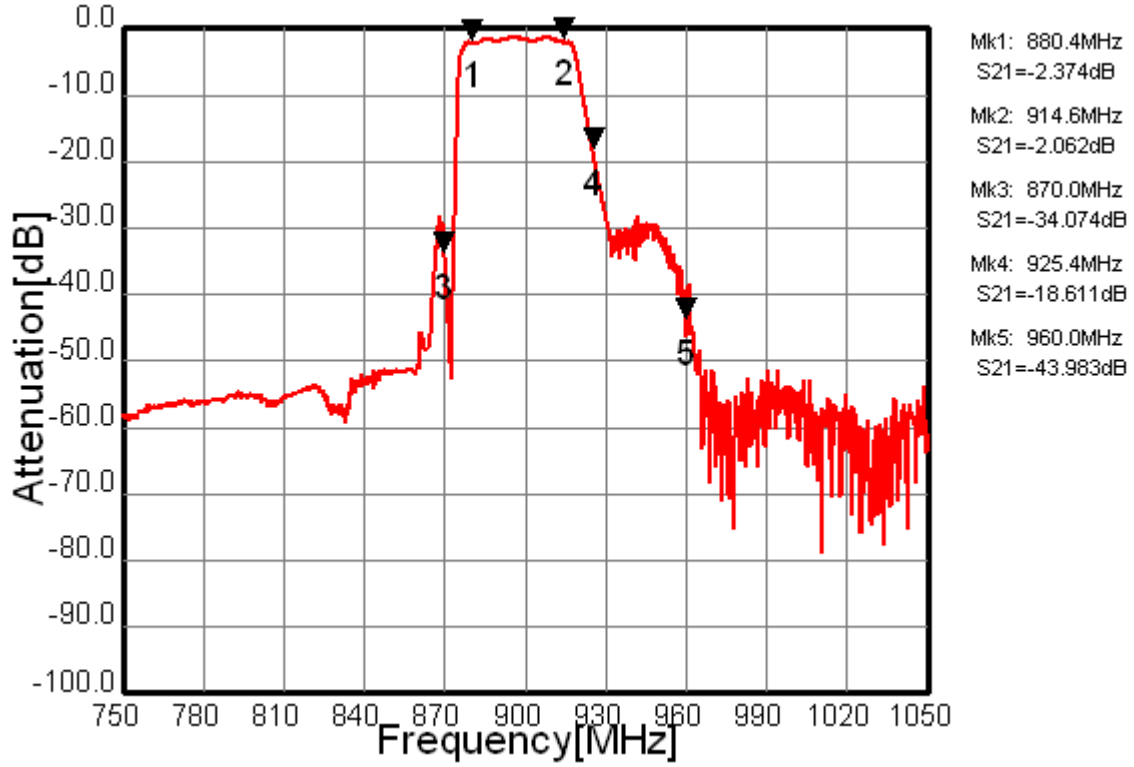


Fig.1 Pass-band Characteristics

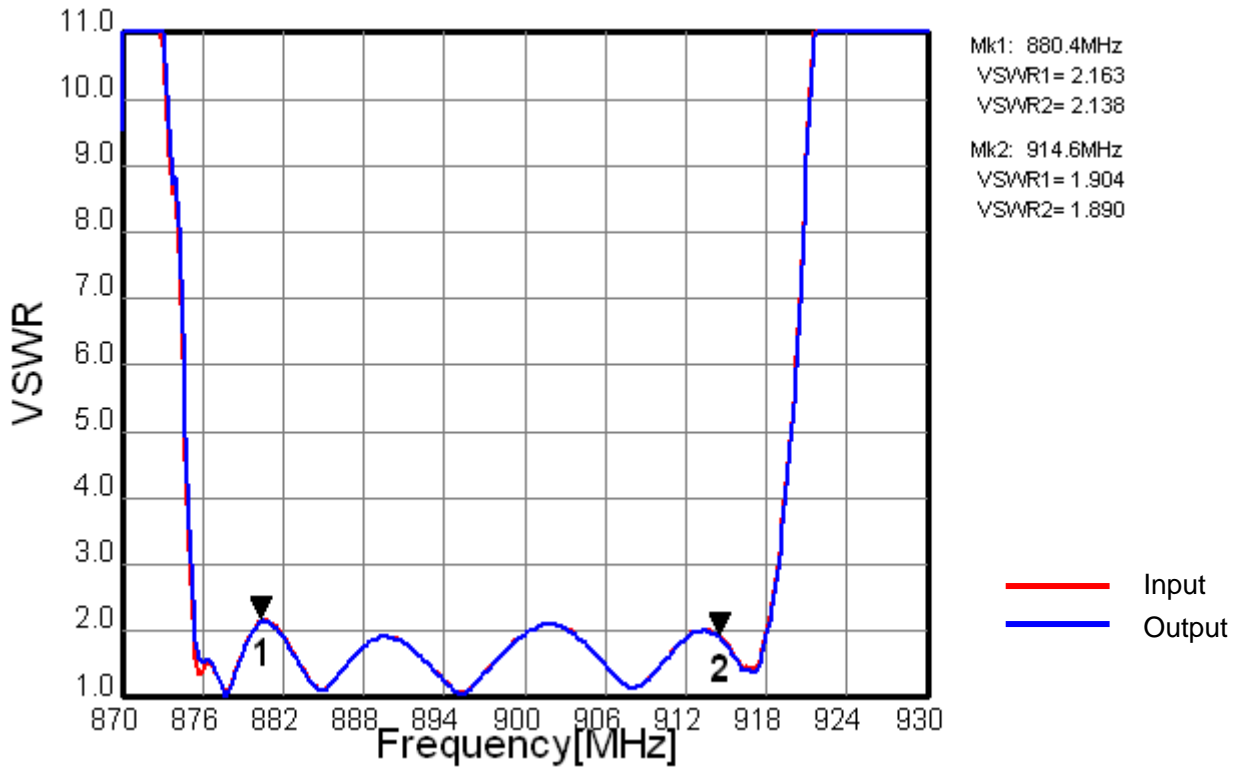


Fig.2 VSWR



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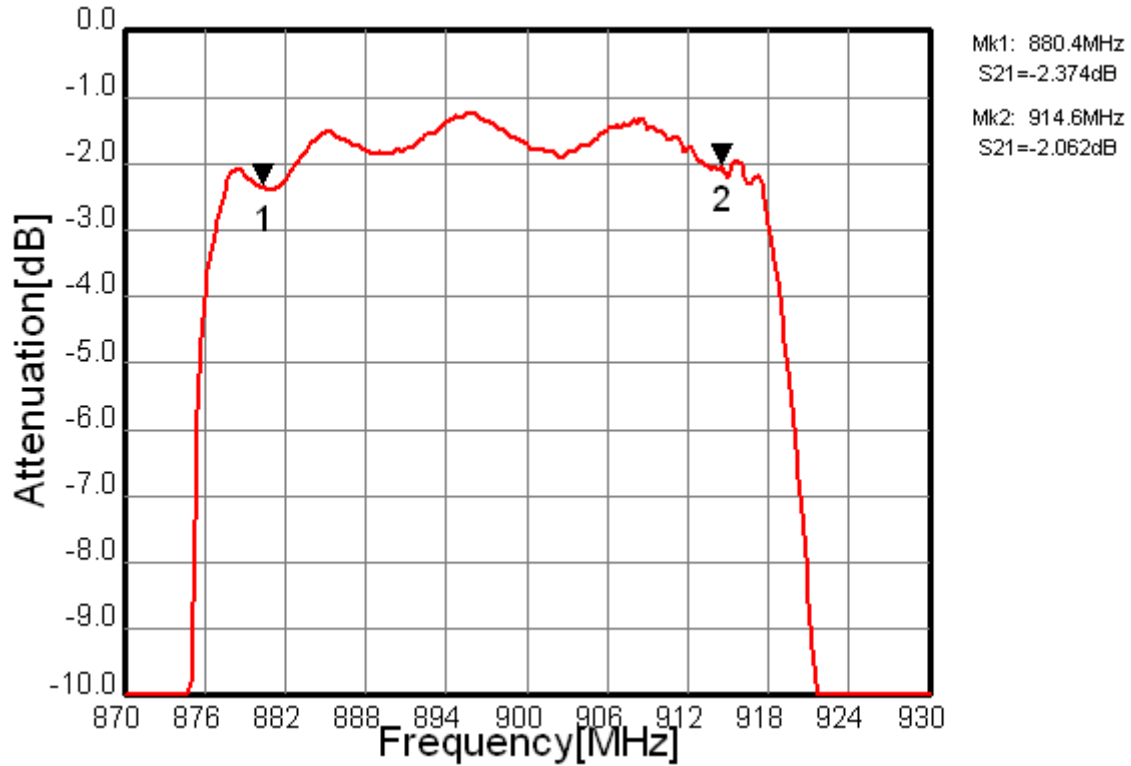


Fig.3 In-band Characteristics

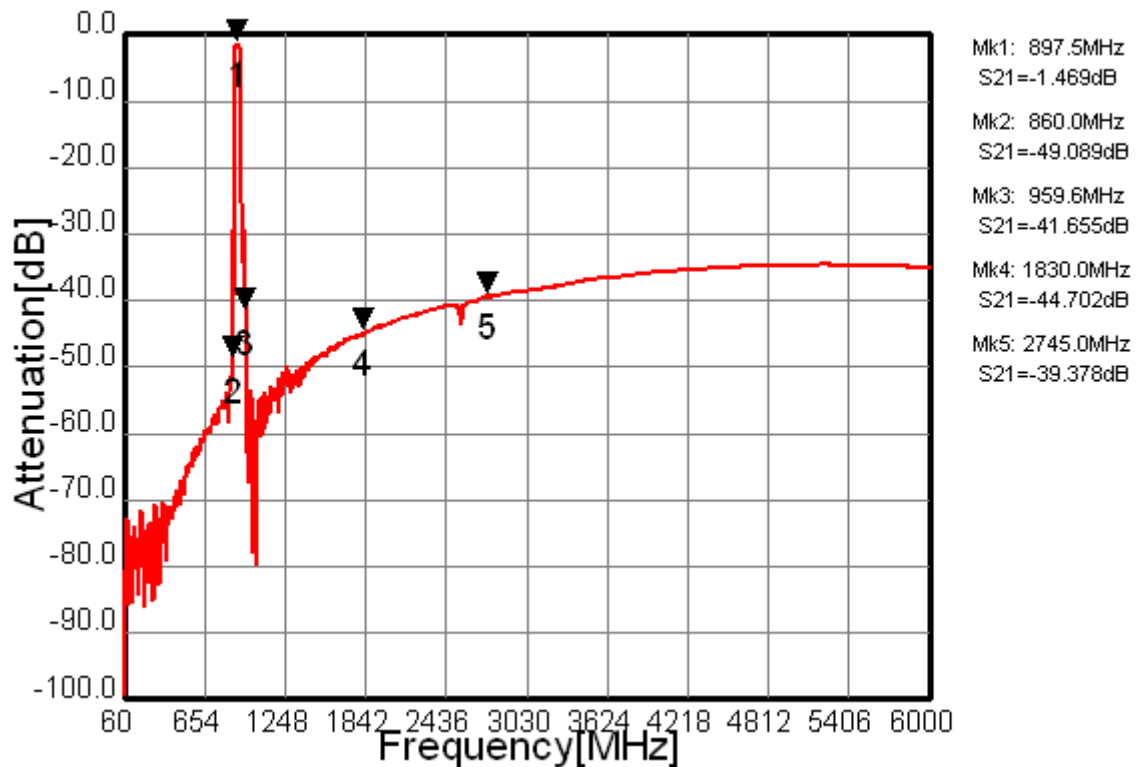


Fig.4 Wide-band Characteristics



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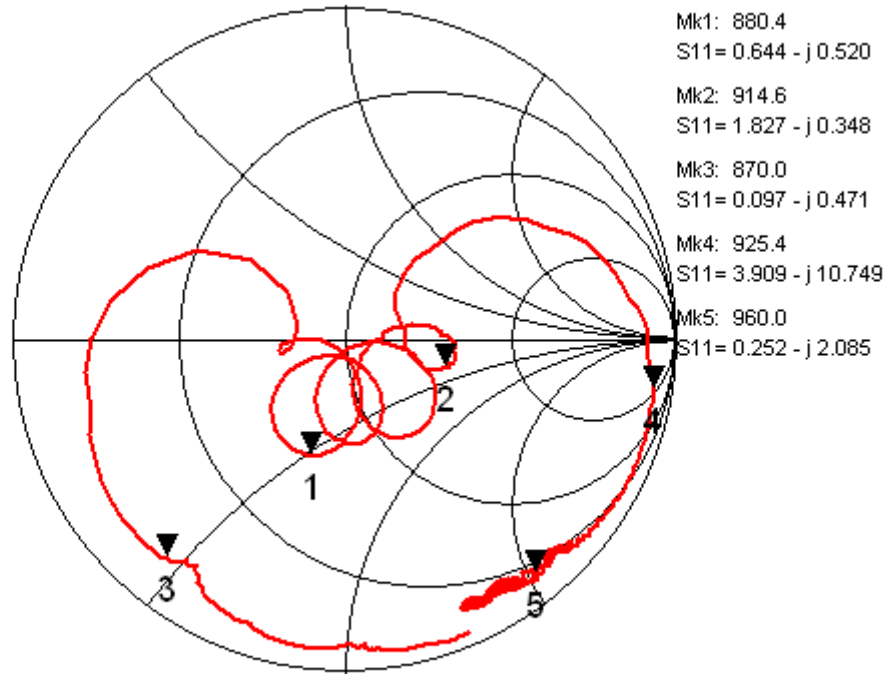


Fig.5 Input Impedance

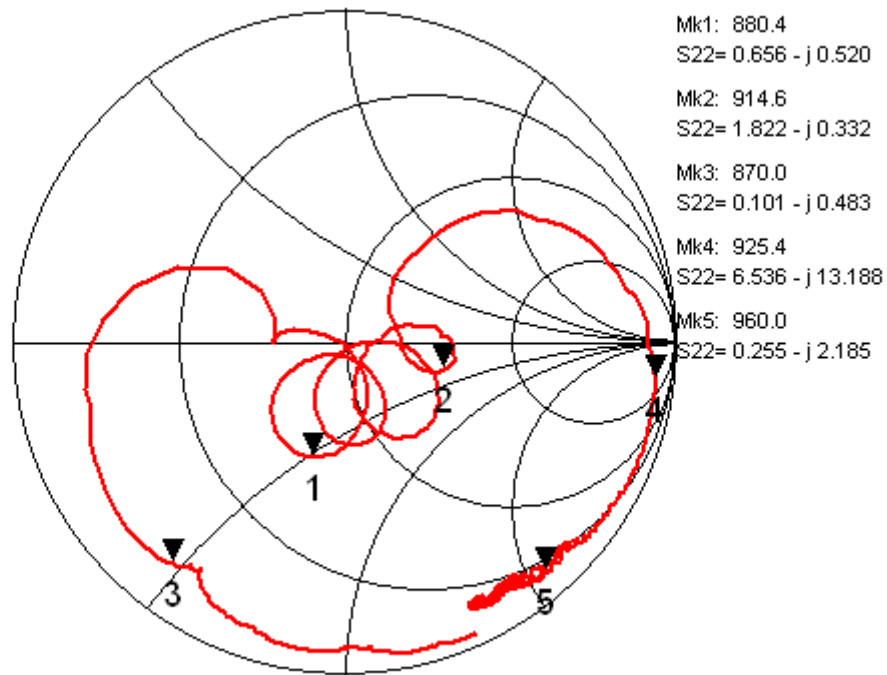


Fig.6 Output Impedance



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## Ordering Code

Ordering Code	Packing	Reel size	Status
F5QA897M5M2AC-J	Tape & Reel	5,000pcs.	MP
F5QA897M5M2AC-JA	Tape & Reel	less than 5,000 pcs.	MP
F5QA897M5M2AC-Y	Tape & Reel	15,000pcs	MP
F5QA897M5M2AC-Q	Bulk	few pcs.	MP

\*Minimum order quantity (MOQ) is assigned for each inquiry, Please contact to Sales Representatives..

\*MP : Mass Production

## Notice

All of the contents specified herein are subject to change without notice due to technical improvements, etc.

Please contact TAIYO YUDEN Co., Ltd. for further details of product specifications.

Please conduct validation and verification of products in actual condition of mounting and operating environment before commercial shipment of the equipment.

This product is for general electronics equipment such as Audio-Visual equipment, household electronics, office supplies, information services and telecommunications; therefore, in case this product is used for any medical equipment, space equipment, nuclear equipment or disaster prevention equipment, please contact TAIYO YUDEN in advance.

In case this product is used for general electronics equipment or circuits which require high safety and high reliability, thoroughly evaluate on safety and add a protection circuit if necessary.