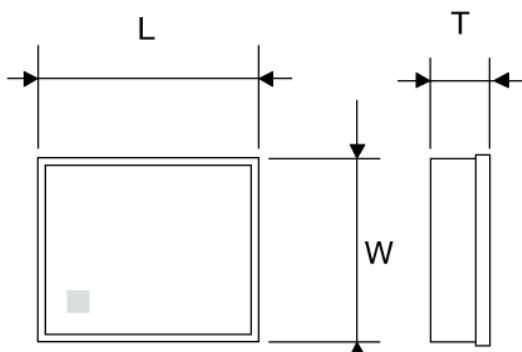


SAW Filter

FAR-F5KY-740M00-B4UR



■ Features

- Item Summary
LTE , Rx, 504
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Embossed 3000 , 15000pcs

■ Products characteristics table

Temperature Range	-30 to +85°C
Band(3GPP)	B17
Use	WCDMA / LTE
Transmitting / Receiving	Rx Filter
Insertion Loss	1.4dB
Attenuation	60dB
RoHS Compliance	Yes
Halogen Free	Yes
Soldering Method	Reflow

■ External Dimensions

L	1.4mm +0.1:-0.1
W	1.0mm +0.1:-0.1
T	0.5mm max

2015.06.03

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
 TAIYO YUDEN reserves the right to make change to the Date at any time without notice.
 Before making final selection, please check product specification.



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Rx (50/100ohm)	Date	March 31, 2010
Part Number	FAR-F5KY-740M00-B4UR	Version 3.0c	

Table 1 Electrical Specification 1

Item		Condition	Specification			Unit	Remarks
			Min.	Typ.	Max.		
Insertion Loss		734-746MHz	-	1.4	2.0	dB	
Ripple		734-746MHz	-	0.5	1.5	dB	
VSWR	Input(S11)	734-746MHz	-	1.5	2.0	-	
	Output(S22)		-	1.5	2.0	-	
Amplitude balance		734-746MHz	-1.0	-0.1/+0.1	+1.0	dB	
Phase balance		734-746MHz	-10	-1.0/+1.0	+10	degree	
Attenuation		DC-686MHz	60	70	-	dB	
		704-716MHz	52	60	-	dB	
		716-722MHz	21	32	-	dB	
		1400-2300MHz	45	60	-	dB	
		2300-3000MHz	40	55	-	dB	
		3000-4000MHz	35	50	-	dB	
		4000-5000MHz	30	45	-	dB	
		5000-6000MHz	25	40	-	dB	
Terminating Impedance		Input	50			ohm	Single-ended
		Output	100			ohm	Differential
Operating Temperature			-30 to +85			°C	



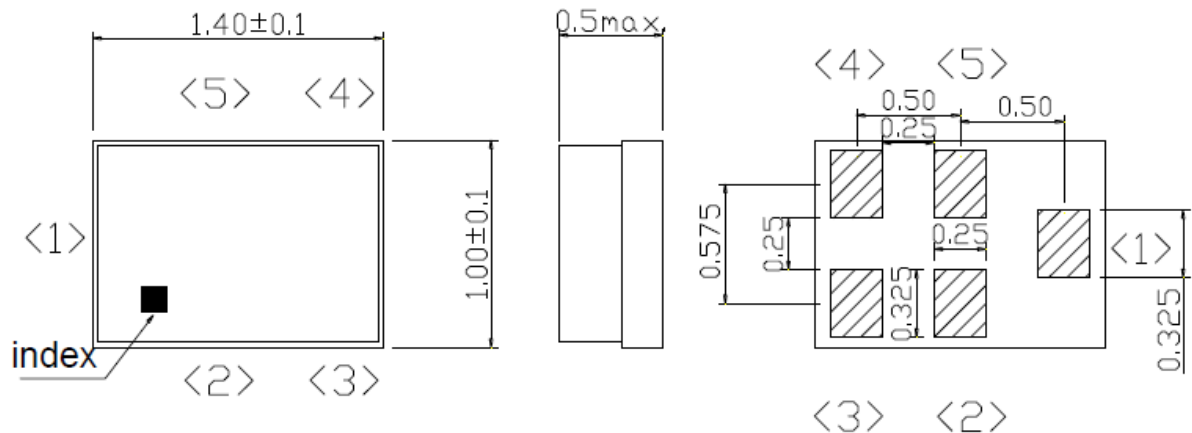
MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Rx (50/100ohm)	Date	March 31, 2010
Part Number	FAR-F5KY-740M00-B4UR	Version 3.0c	

Dimensions

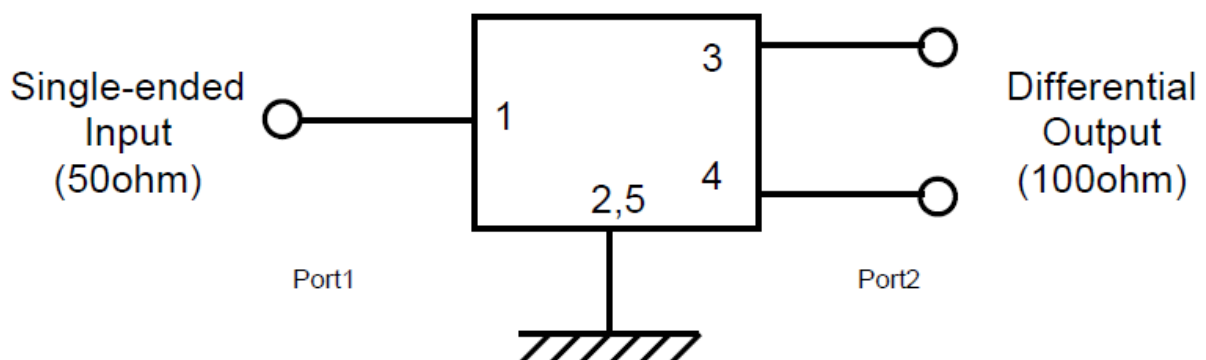
Device size: 1.4typ. x 1.0typ. x 0.5max.



Unit: mm

Pin Configuration

Pin No.	Symbol	Function
1	IN	Single-ended pin
2	GND	Ground
3	OUT	Differential Pin
4	OUT	Differential Pin
5	GND	Ground

Evaluation Condition**TAIYO YUDEN**



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Rx (50/100ohm)	Date	March 31, 2010
Part Number	FAR-F5KY-740M00-B4UR	Version 3.0c	

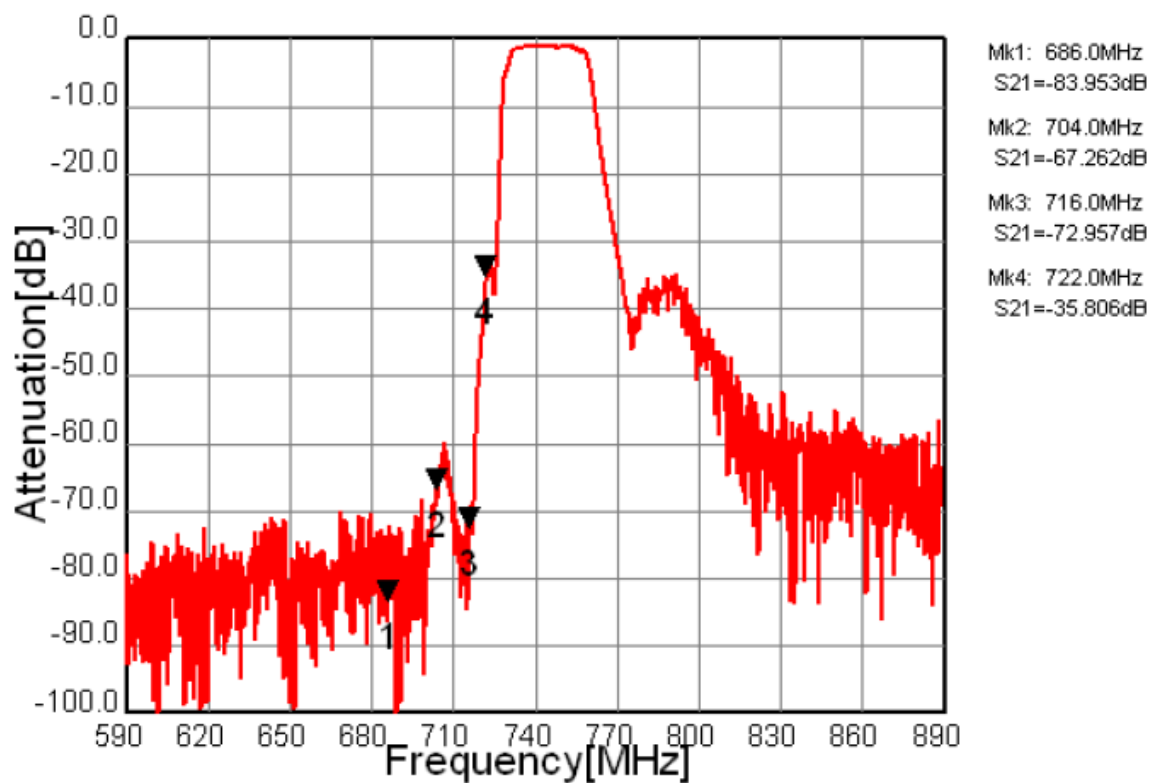


Fig.1 Pass-band Characteristic

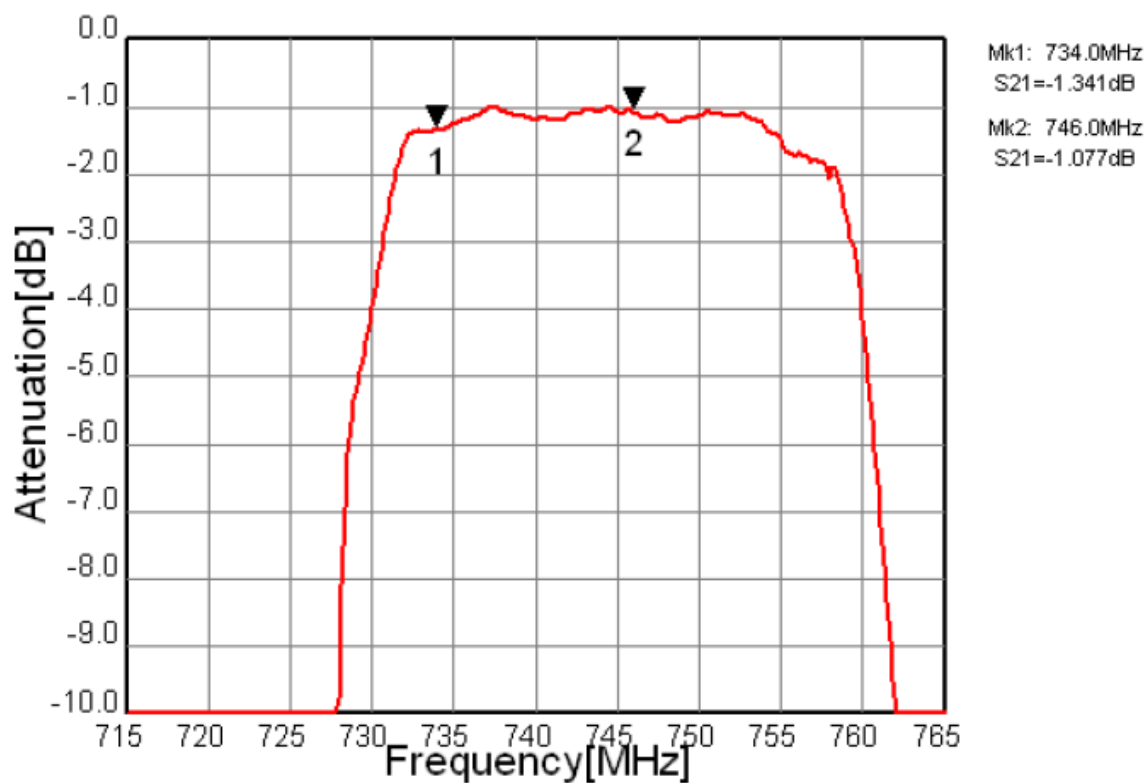


Fig.2 In-band Characteristic

TAIYO YUDEN



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Rx (50/100ohm)	Date	March 31, 2010
Part Number	FAR-F5KY-740M00-B4UR	Version 3.0c	

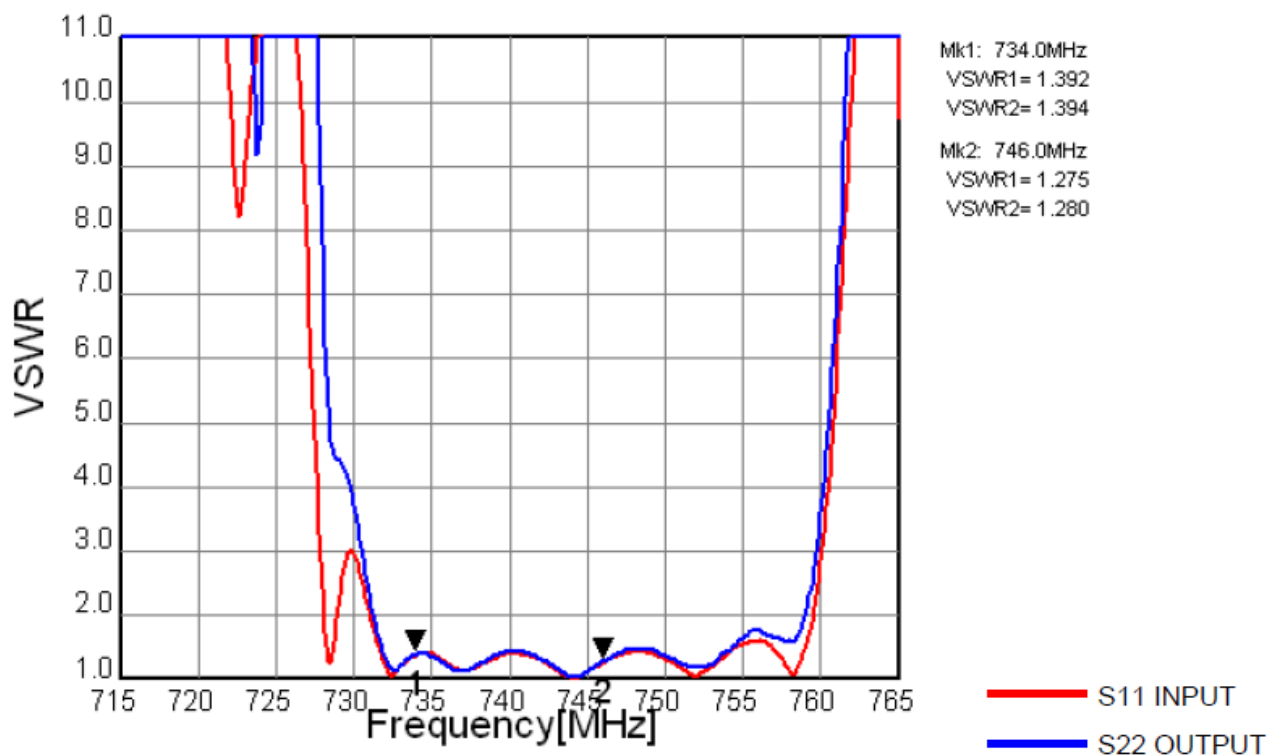


Fig.3 VSWR

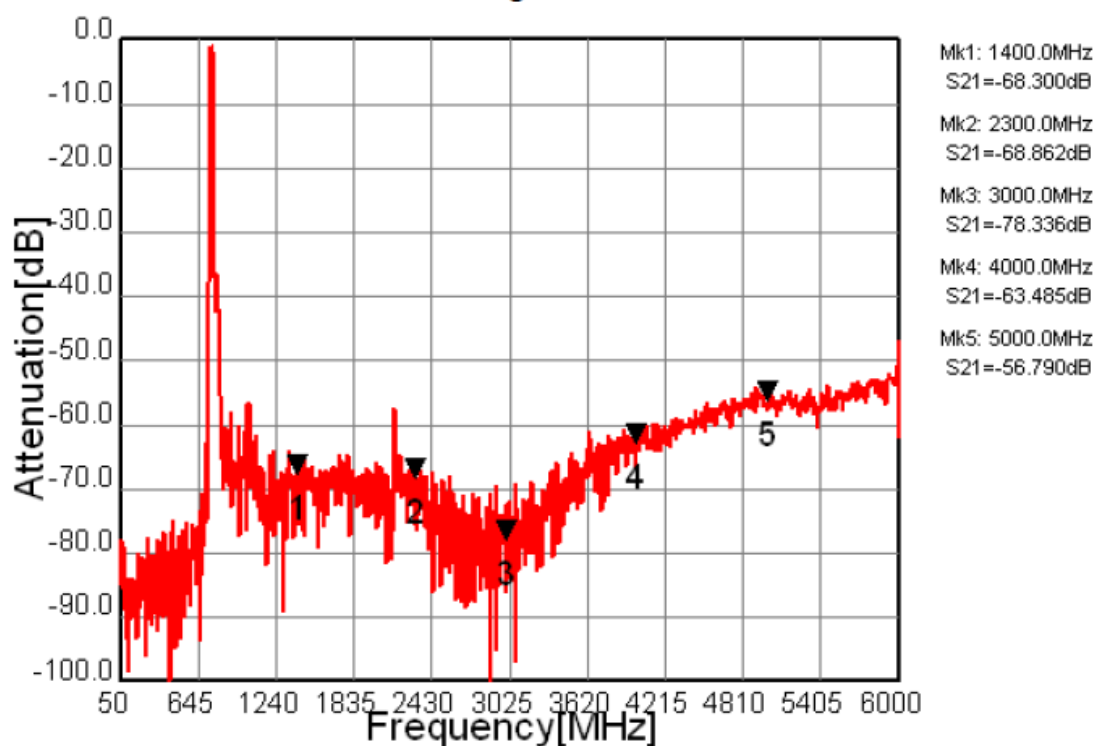


Fig.4 Wide-band Characteristic

TAIYO YUDEN



* Pb Free Part



MSL1

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Rx (50/100ohm)	Date	March 31, 2010
Part Number	FAR-F5KY-740M00-B4UR	Version 3.0c	

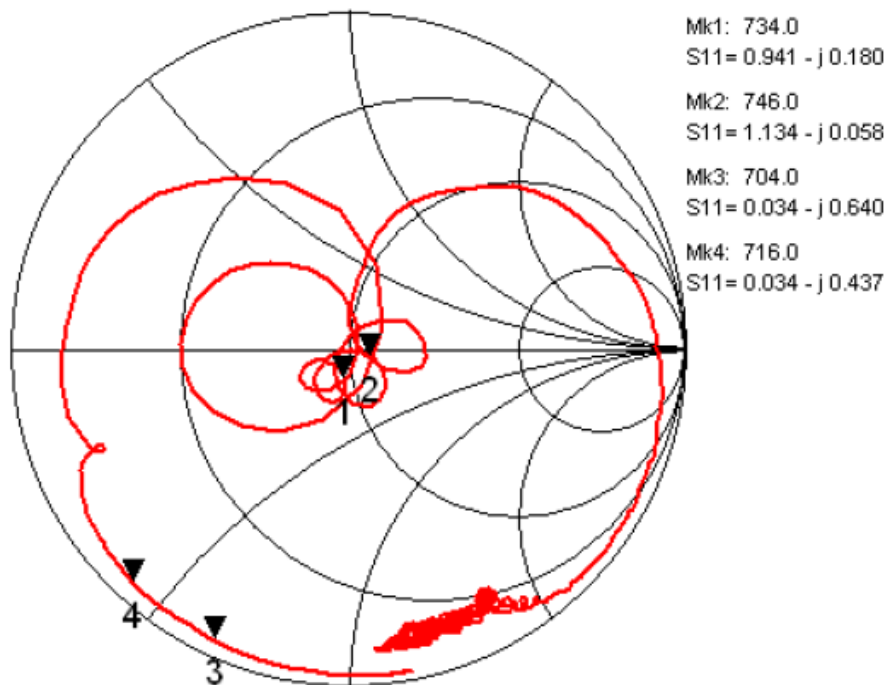


Fig.5 Impedance (INPUT)

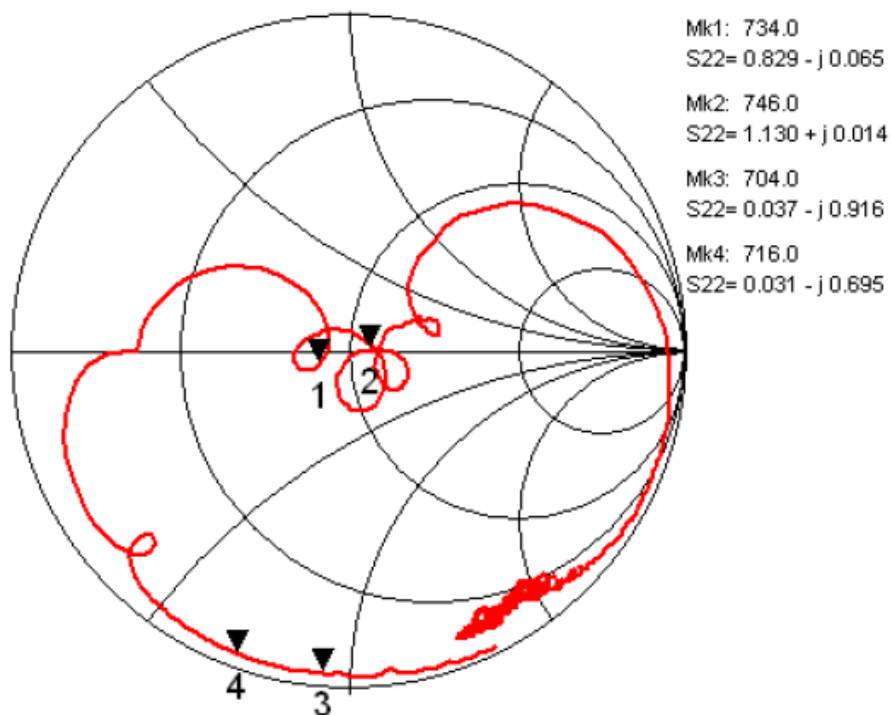


Fig.6 Impedance (OUTPUT)

TAIYO YUDEN



MSL1

* Pb Free Part

Customer Name	Standard Specification	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 17 Rx (50/100ohm)	Date	March 31, 2010
Part Number	FAR-F5KY-740M00-B4UR	Version 3.0c	

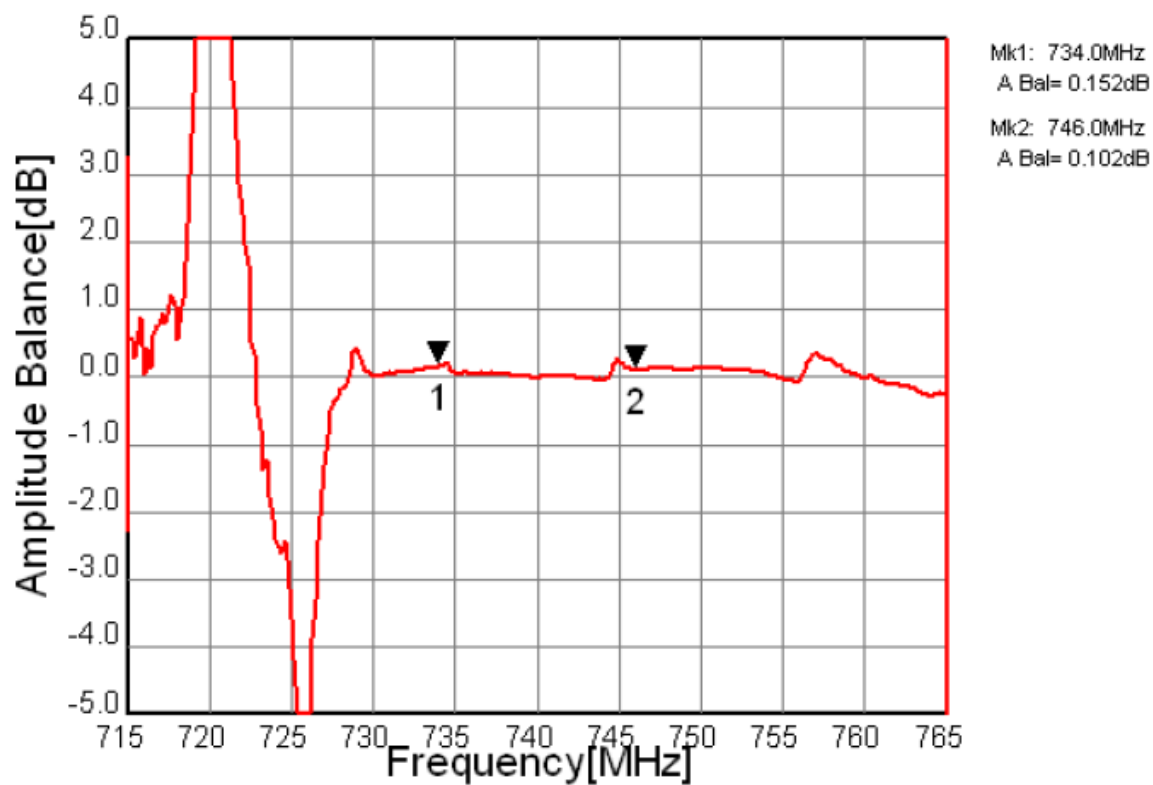


Fig.7 Amplitude Balance

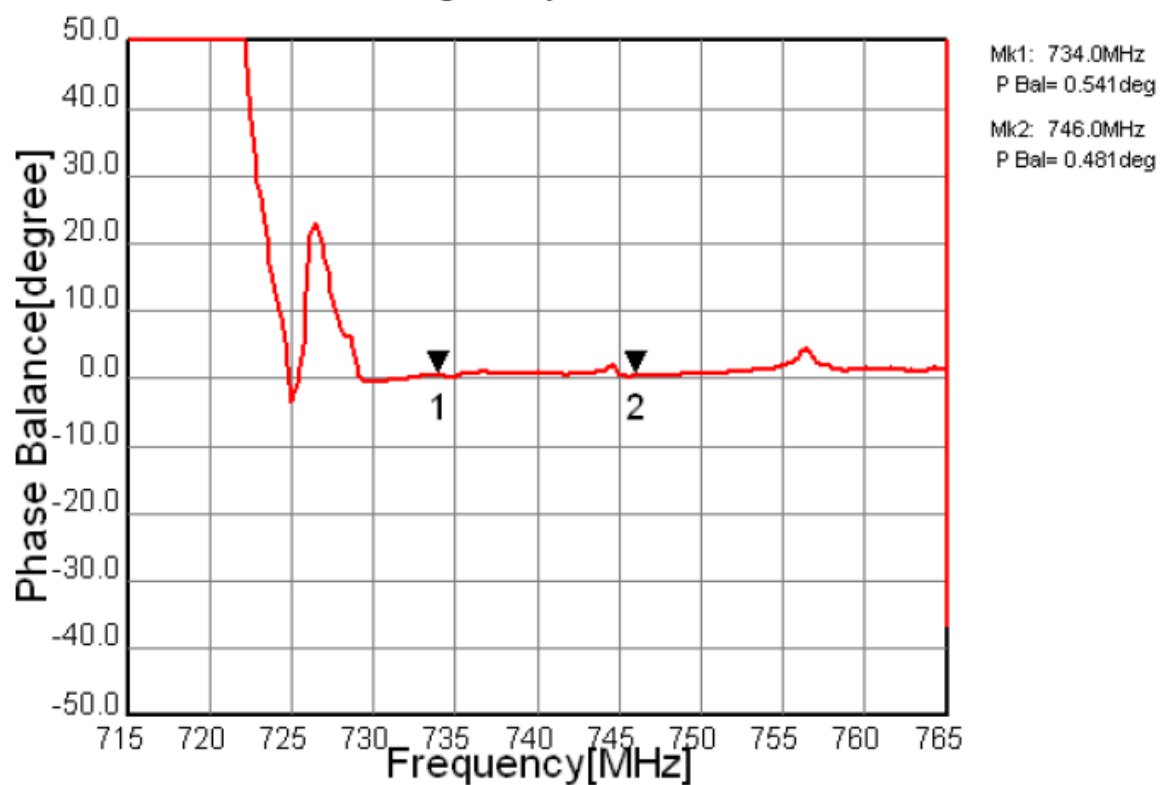


Fig.8 Phase Balance

TAIYO YUDEN