

SAW Filter 790MHz

MODEL NO.: TA2429A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 20 dB_m(CW for 70000hrs at 25°C)
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +105°C
4. Storage Temperature: -40°C to +105°C
5. Moisture Sensitivity Level: Level 1(**MSL1**)

RoHS Compliant
Lead free
Lead-free soldering

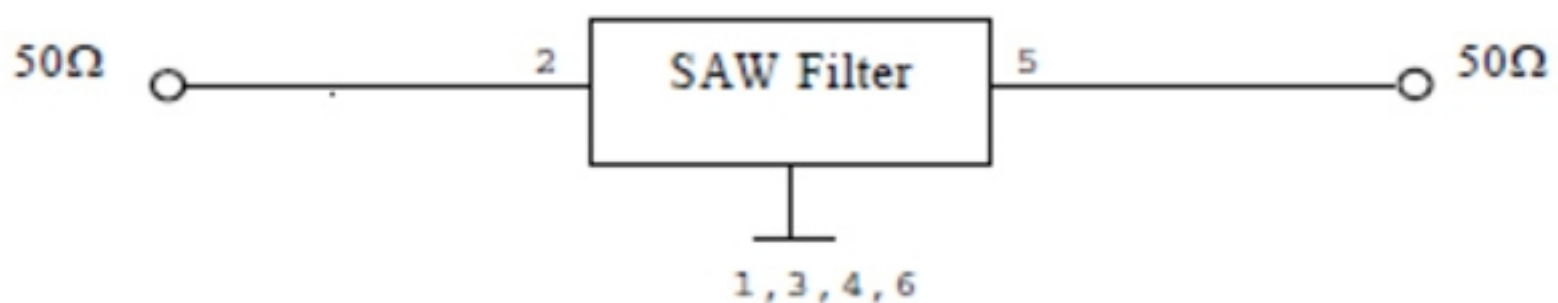
Electrostatic Sensitive Device (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

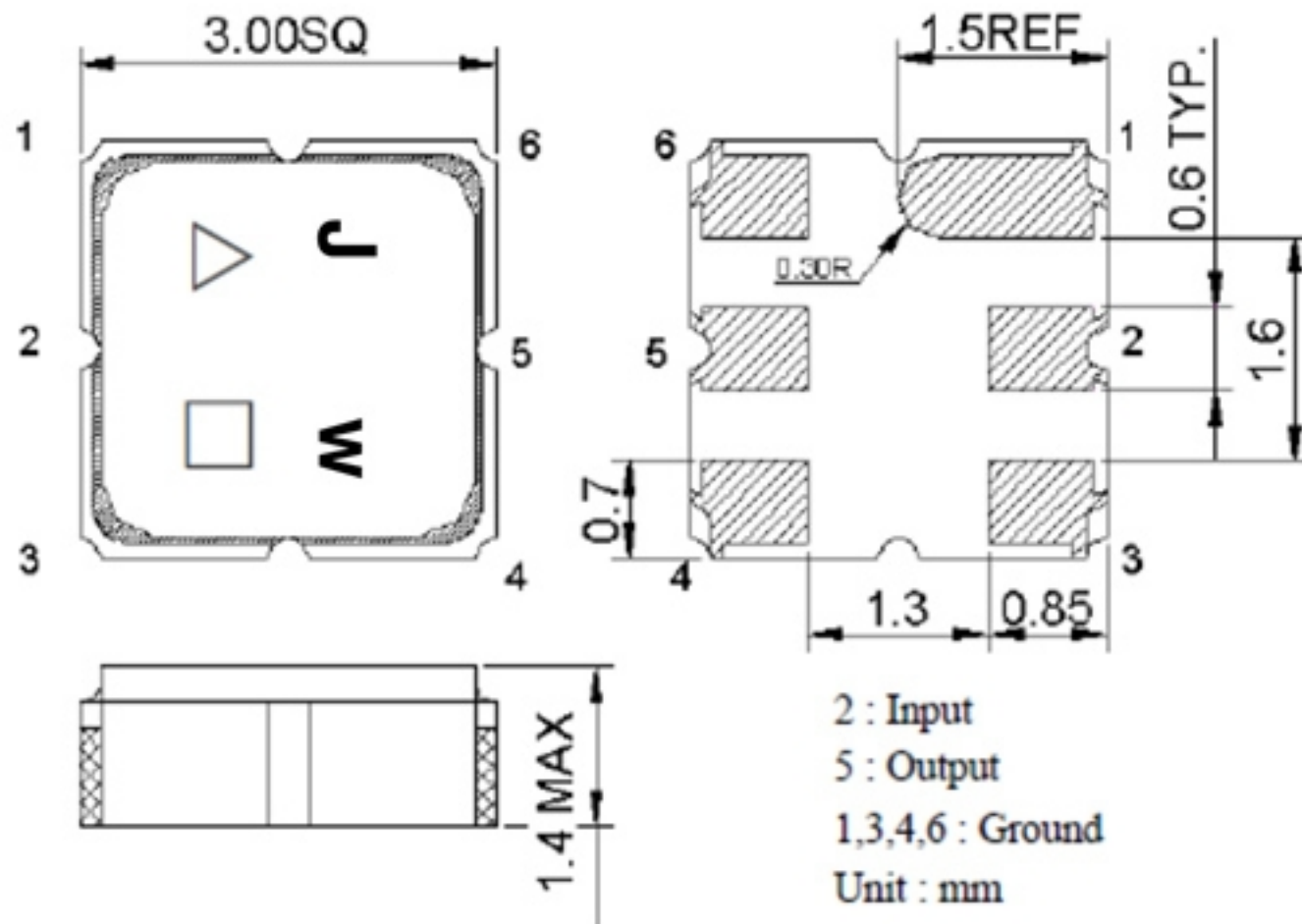
Item	Unit	min	type	Max
Center Frequency Fc	MHz		790	
Insertion Loss 770~810MHz (0°C to +50°C)	dB		2.7	3.5
Insertion Loss 770~810MHz (-40°C to +105°C)	dB		2.7	5
Return Loss 770~810MHz (0°C to +50°C)	dB	12	16	
Pass band 770~810MHz	MHz	40	52	
Attenuation (Reference level from 0dB)				
10~520 MHz	dB	45	52	
520~700 MHz	dB	35	41	
900~1240 MHz	dB	38	43	
1240~1450 MHz	dB	32	38	
Temperature Coefficient of Frequency	ppm/°C	-75 typ		

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D. OUTLINE DRAWING:



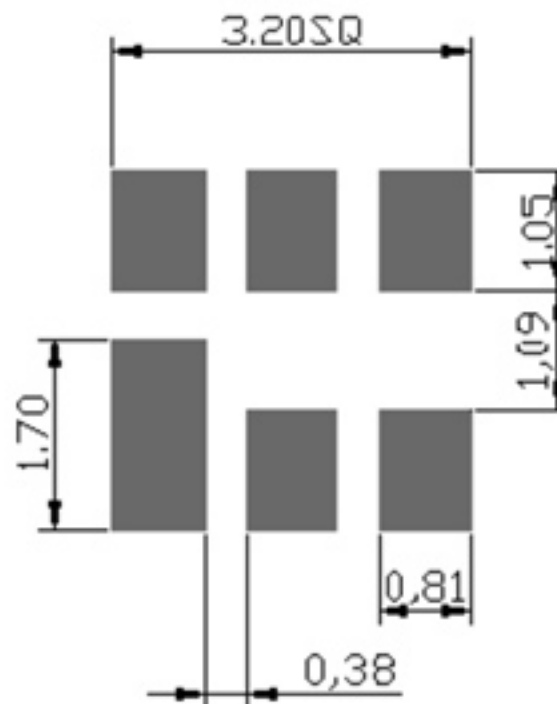
△ : Year Code (2009->9, 2010->0, ..., 2018->8)
 □ : Date Code (Follow the table from planner each year)

Date Code Table

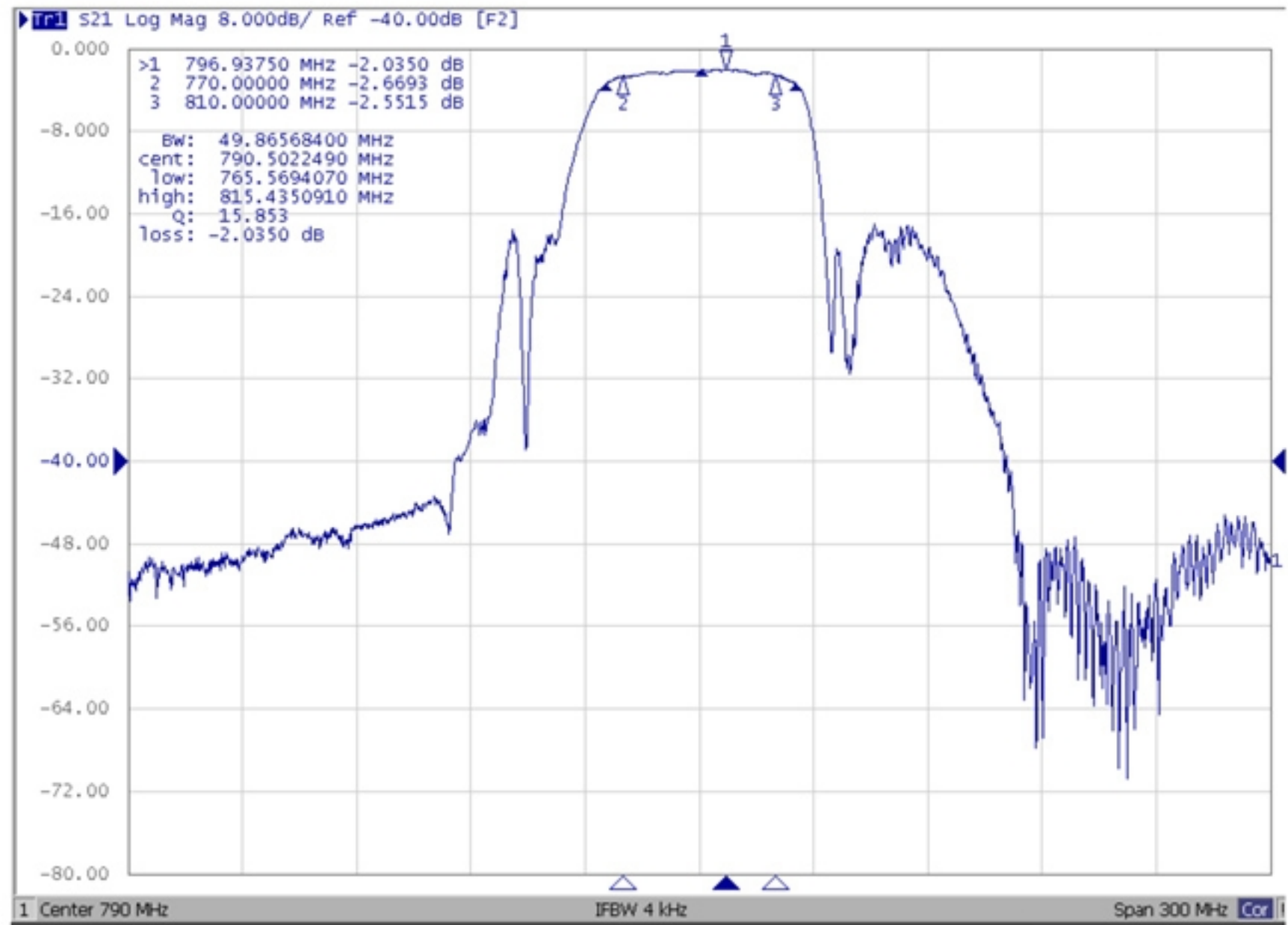
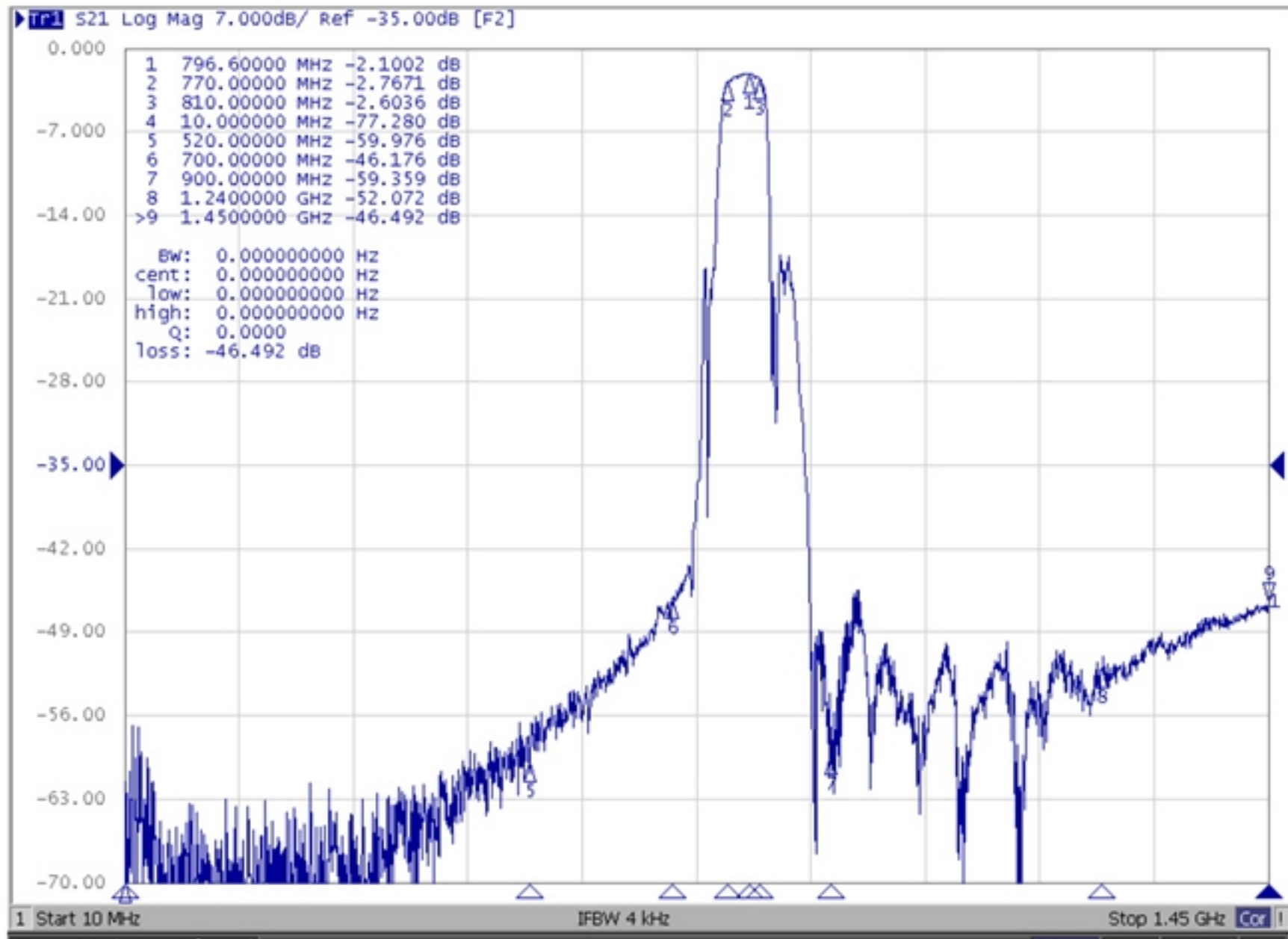
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

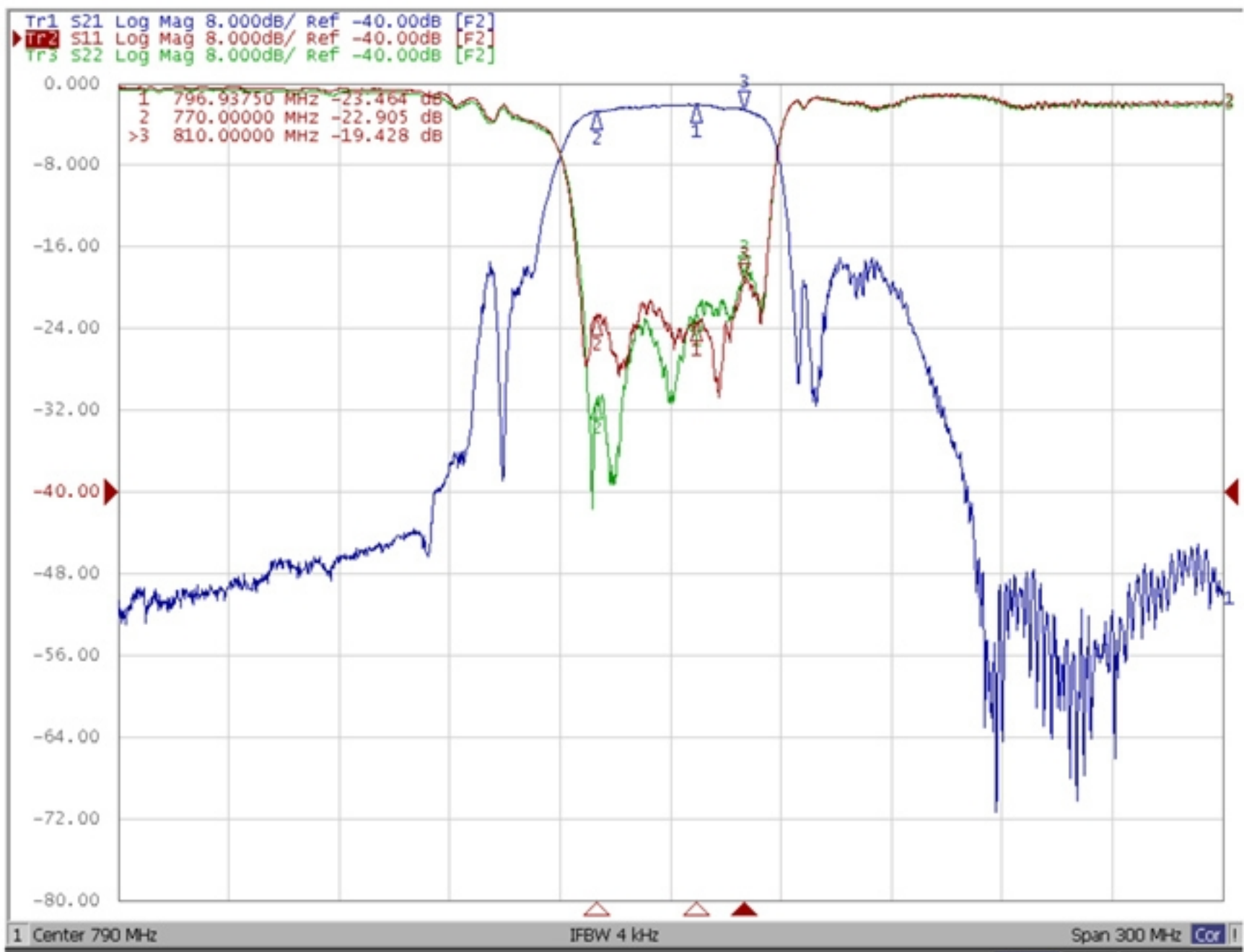
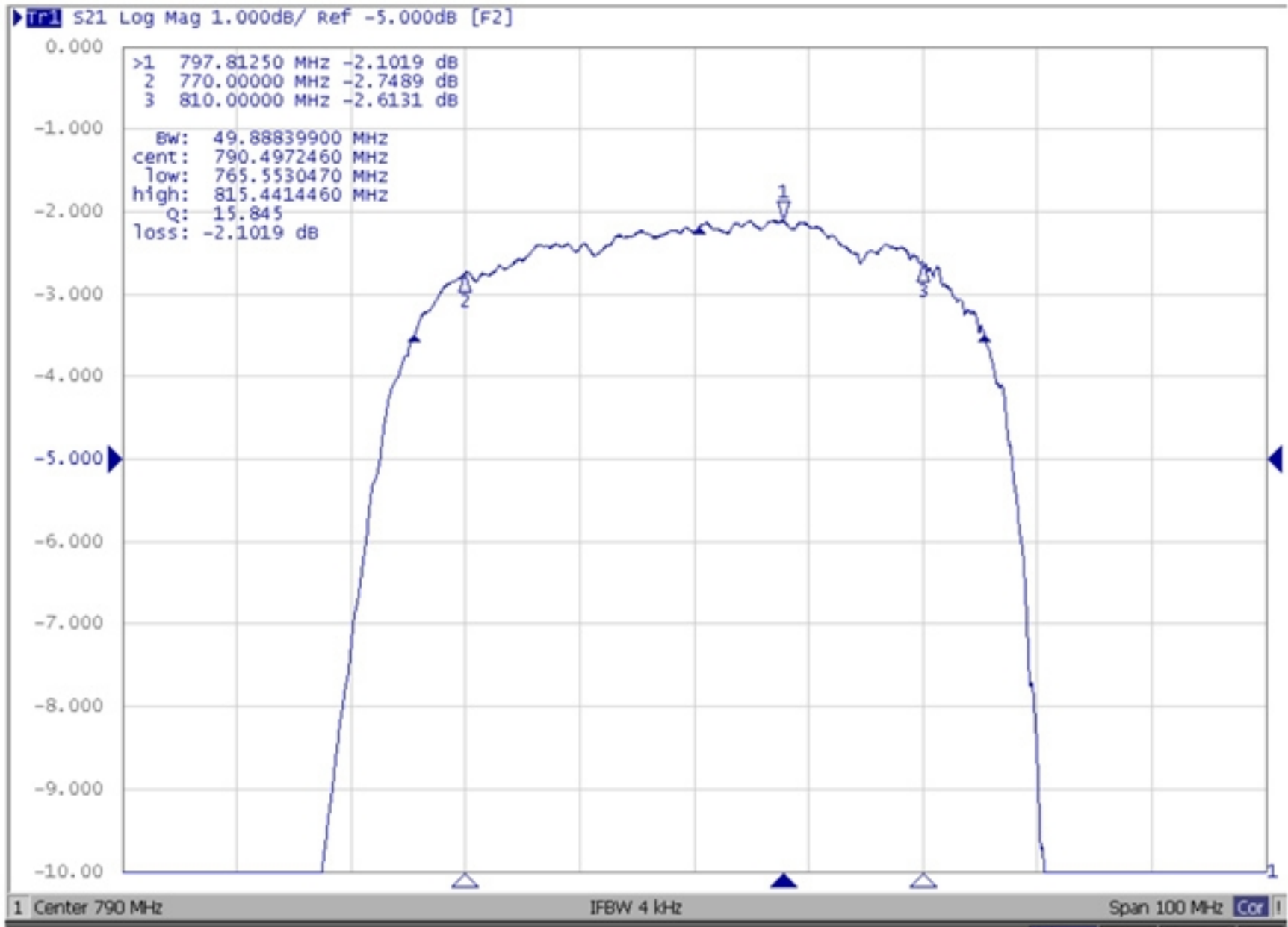
E. PCB Footprint:

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F. Frequency Characteristics:





H. Recommended Reflow Profile:

1. Preheating shall be fixed at $150\sim 180^{\circ}\text{C}$ for $60\sim 90$ seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for $50\sim 80$ seconds and at $260^{\circ}\text{C} +0/-5^{\circ}\text{C}$ peak ($20\sim 40\text{sec}$).
4. Time: 2 times.

