

# SPECIFICATION FOR APPROVAL

**CUSTOMER :**

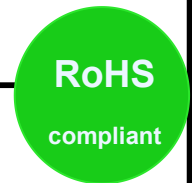
**CUSTOMER PART NO:**

**SUPPLIER:** JIAXING GLEAD ELECTRONICS CO., LTD.

**PART NO:** LTE\_PAI900A4006\_MT

**DESCRIPTION:** 2G/3G/4G Applications/SMT

**Remarks:**



<b>Customer signature:</b>	<b>Customer stamp:</b>
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<b>Supplier's signature:</b>	<b>Supplier's seal:</b>
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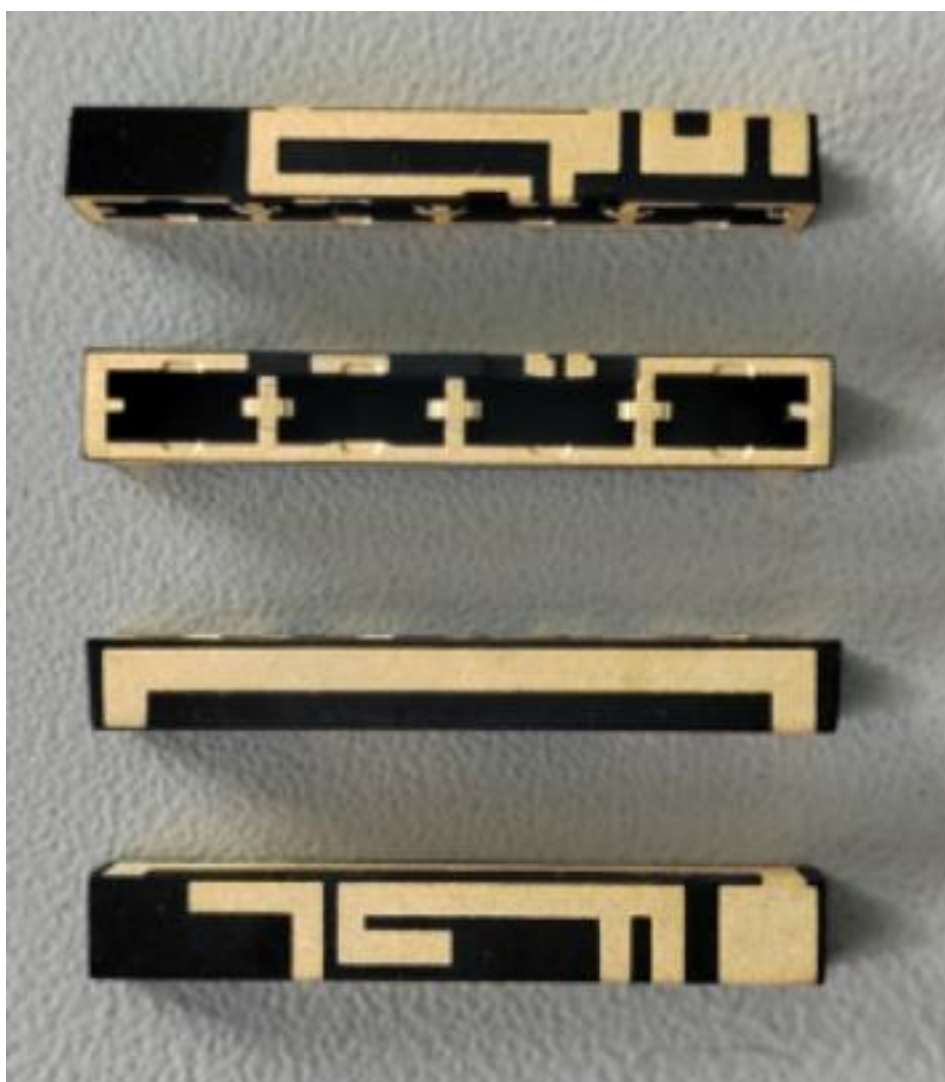
**Attention: Please return the signature file on this page as a basis for your company's recognition!**

Preparation:	Ratify:	Address	No. 66 Zhengyuan Road, Tanghui Industrial Park, Jiaxing City, Zhejiang Province
		Tel	+86-573-83651818
		Fax	+86-573-83651858



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LTE_PA1900A4006_MT	29/4/2024	3/11
Prepared by	Checked by	Approved by
Fei Lu	Sheng Gao	Wenli Yan

1、Physical photos (for reference only)



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## 2、Performance

1	Frequency	791~960MHz	1710~2690MHz
2	Antenna max gain <sup>1</sup>	5.09dBi	6.83dBi
3	Average antenna gain <sup>1</sup>	5.02dBi	6.83dBi
4	Efficiency <sup>1</sup>	≥40%	≥40%
5	VSWR <sup>1</sup>	≤4.5	≤4.5
6	Impedance	50	
7	Polarization mode	Linear polarization	
8	Operating temperature range	-40°C ~ +105°C	
9	Storage emperature range	-40°C ~ +85°C	
10	Maximum withstand temperature <sup>2</sup>	270°C	

Notes 1: Measurements were done on 140\*60mm evaluation board .

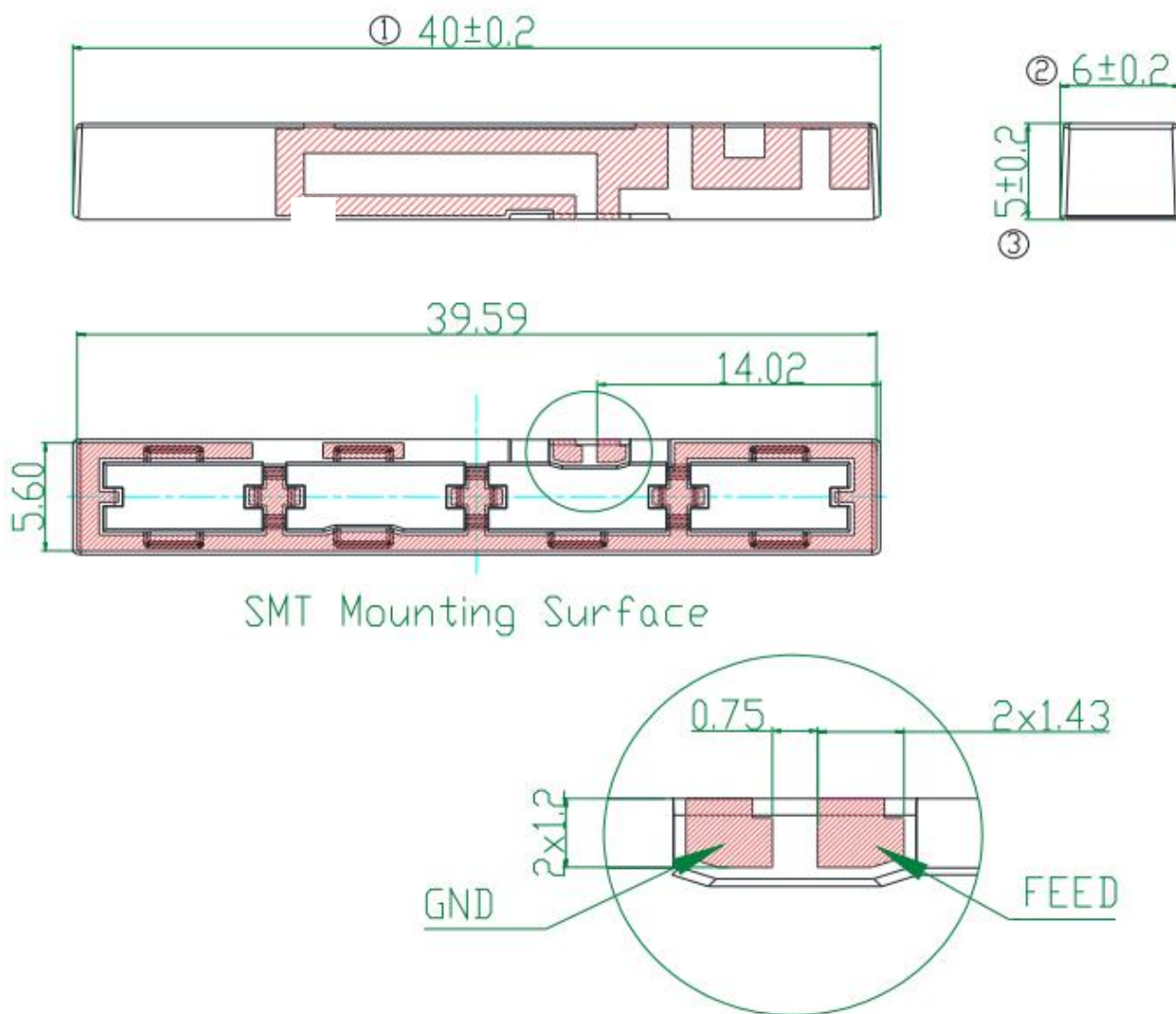
Notes 2: Recommended reflow soldering .

## 3、Material

1	Antenna size	40mm x 6mm x 5mm
2	Antenna material	Copper gold-plated+Nylon engineering plastics
3	Weight	1.18g
4	Antenna type	SMT installation

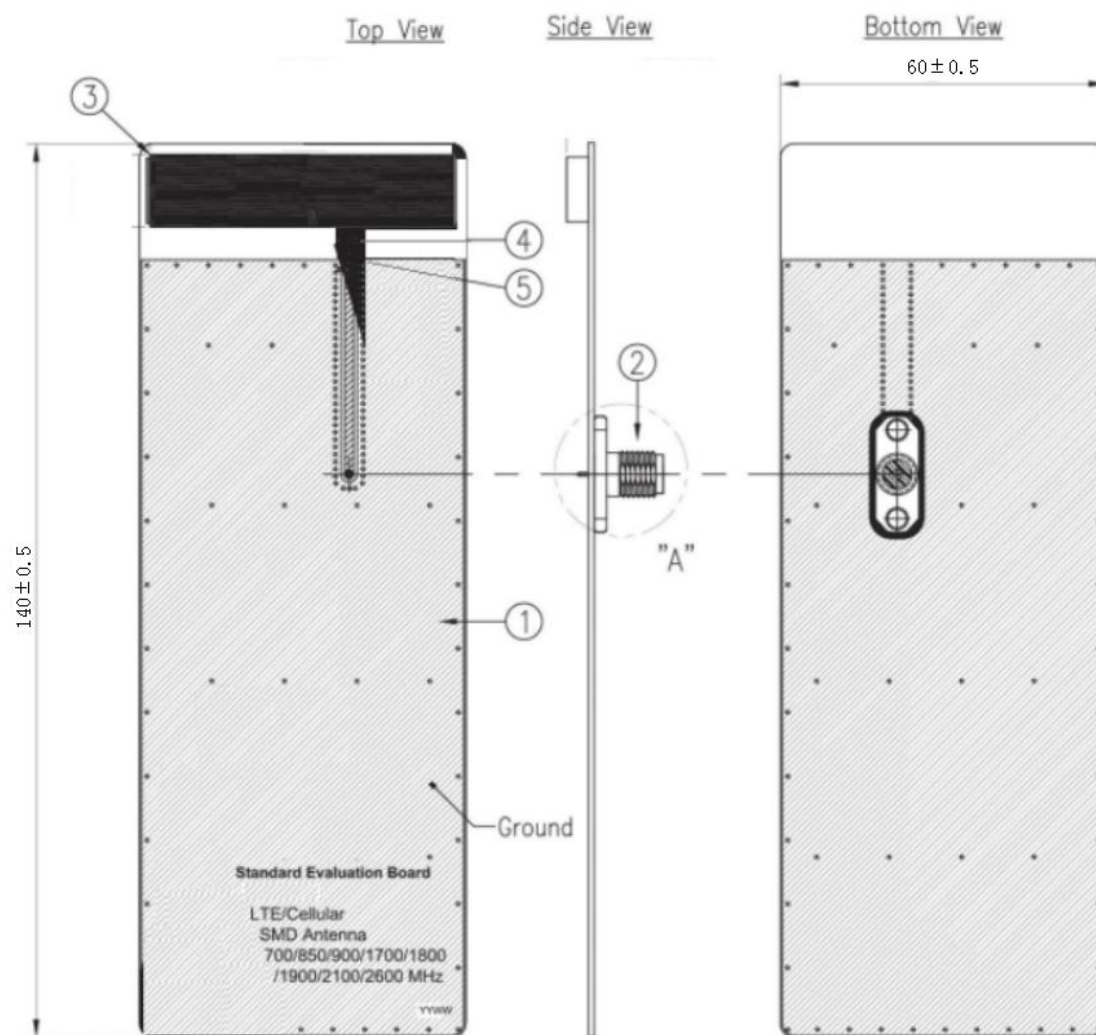
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#### 4、Structure (unit: mm)



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## 5、Evaluation Board (unit: mm)

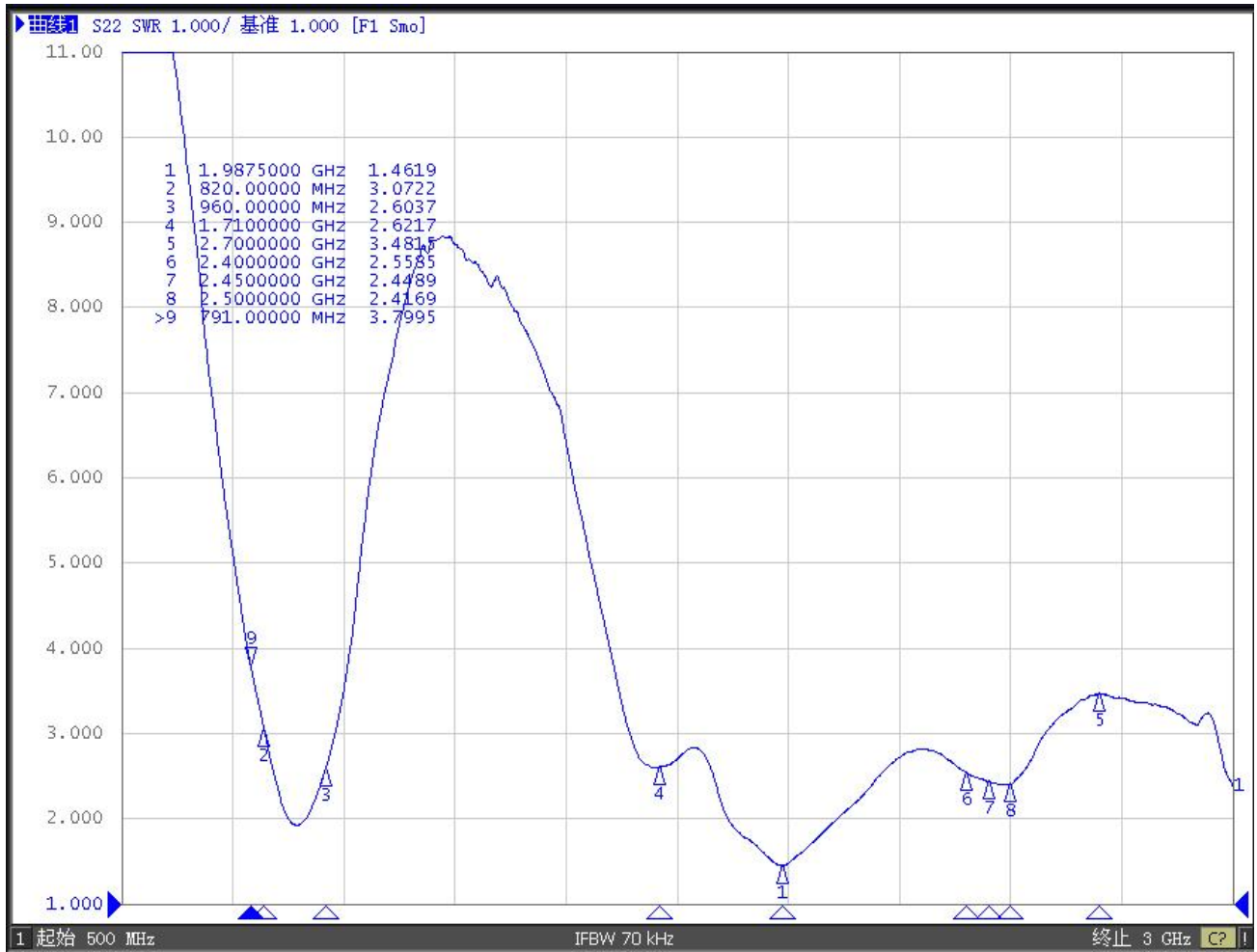


	Name	Material	Finish	QTY
1	EVB PCB	Composite 1 t	Au Plated	1
2	SMA(F) ST PCB	Brass	Au Plated	1
3	Antenna	High Temperature Composite 3t	Au Plated	1
4	0 欧姆 (0402)	Ceramic	N/A	1
5	0 欧姆 (0402)	Ceramic	N/A	1



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## 7、V. S. W. R

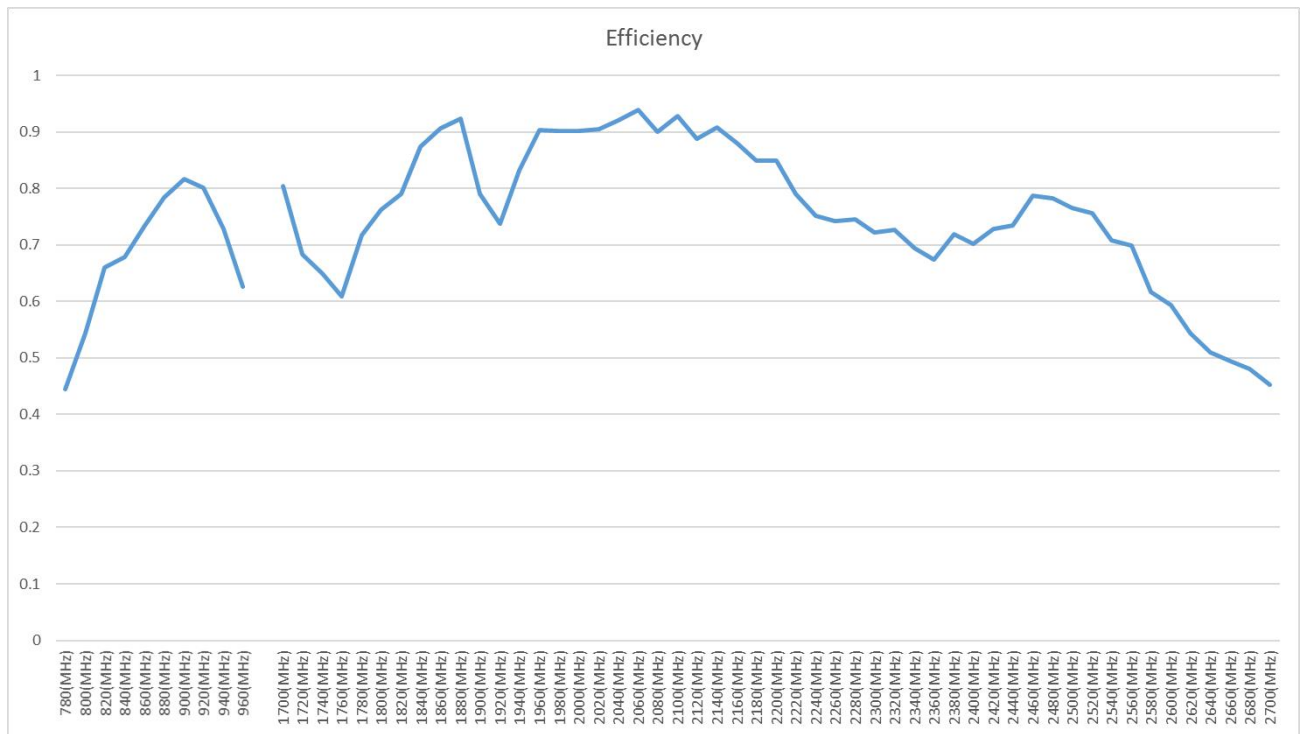


VSWR measurements were done on 140\*60mm evaluation board .



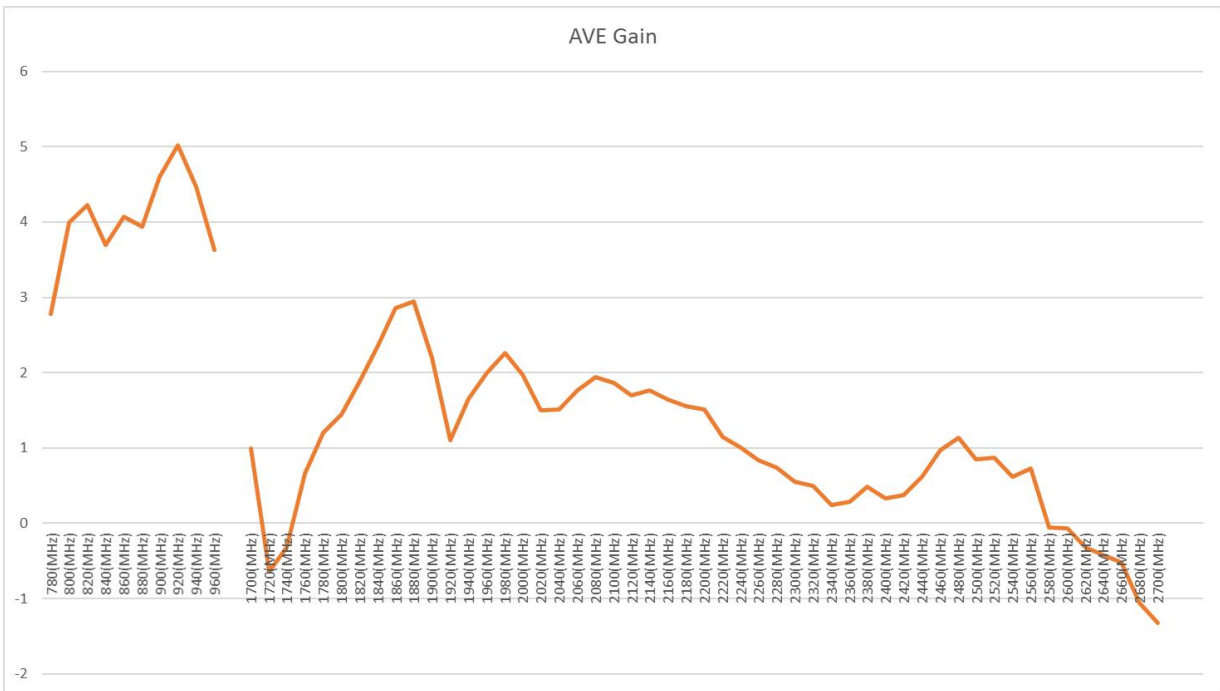
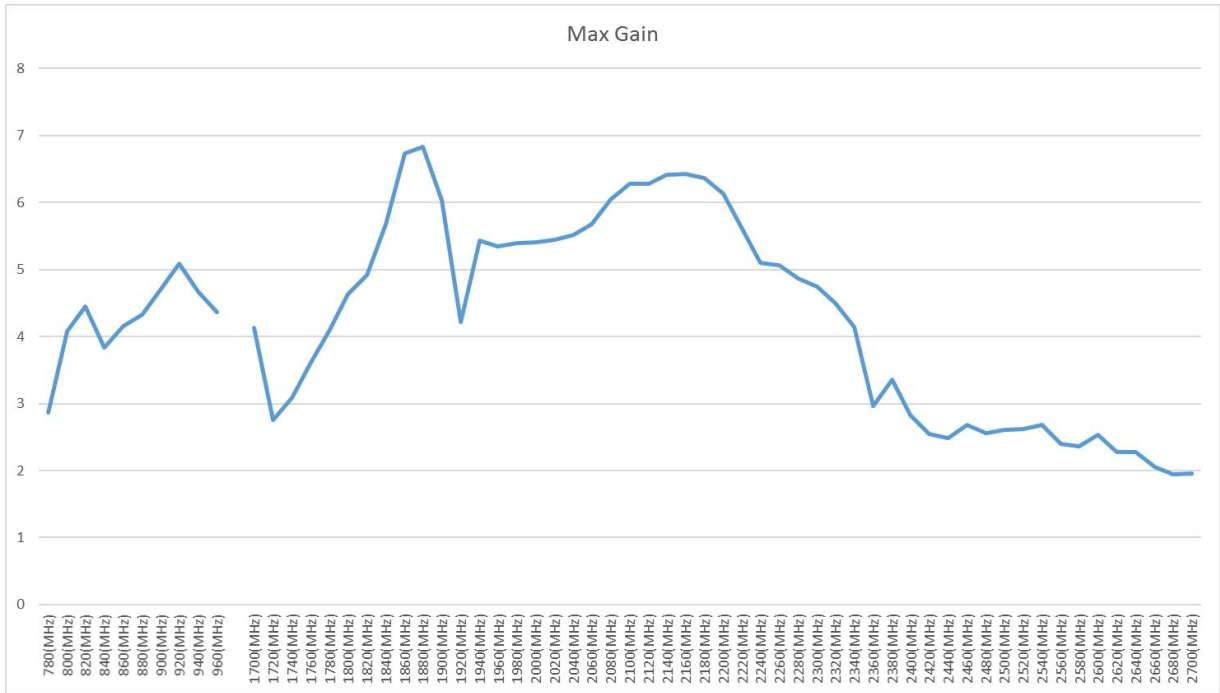
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## 8、Efficiency



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### 9、Gain



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## 10、Product Packaging

1. Braided packaging



2. Vacuum bag packaging



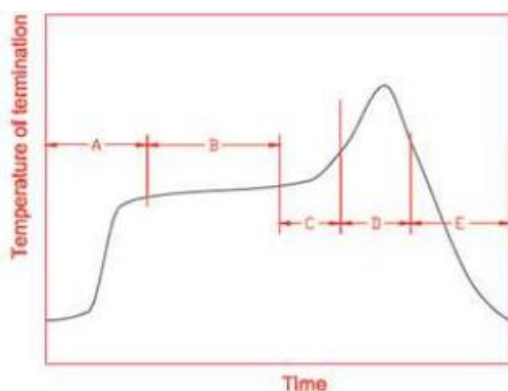
3. Packing



\*If the purchaser has other requirements, please specify them in the order.

## 11、Precautions for Use

1. Before installing our product, please ensure that it has been evaluated and confirmed, especially in the installation environment where the antenna is located;
2. Take anti oxidation measures during product storage;
3. Suggest handing over the disposal of product waste to a qualified department;
4. Recommended reflow soldering.



A	1 <sup>st</sup> rising temperature	The normal to Preheating temperature	30s to 60s
B	Preheating	140°C to 200°C	90s to 120s
C	2 <sup>nd</sup> rising temperature	Preheating to 217°C	30s to 60s
D	Main heating	240°C ~ 260°C	20s to 40s
E	Regular cooling	200°C to 100°C	3°C/s ~ 6C/s