

## SPECIFICATION FOR APPROVAL

**CUSTOMER :**

**CUSTOMER PART NO:**

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

**SUPPLIER PART NO:** DAM1595A4I1LC01\_XW03\_J5M

**DESCRIPTION:** 3.0-5.0V/8.5mA(3V)/28dB/5M(L)/SMA-J3

**REMARKS:**



**Customer Signature :**

**Customer Seal:**

**Supplier Signature:**

**Supplier Seal :**

**NOTE: Please return this copy as a certification of your approval!**

Prepared by: Renpan	Formed On: 2020.09.08	Add	No.66 ZhengyuanRoad,Tanghui Industrial Zone, Jiaxing, Zhejiang, China
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Renpan	Wu Zhijun	Gao sheng

## 1、Electrical Characteristics

### 1.1Antenna

1	Antenna model	DAS1575 (25*25*4)
2	Frequency Range	GPS:1575.42MHz±1.023 MHz ; GLNASS: 1602MHz±5 MHz
3	V. S. W. R	1.5:1
4	Band Width	> 10 MHz
5	Impedance	50 ohm
6	Gain	4.0dBic Based on7×7cm ground plane
7	Polarization	RHCP

### 1.2 LNA

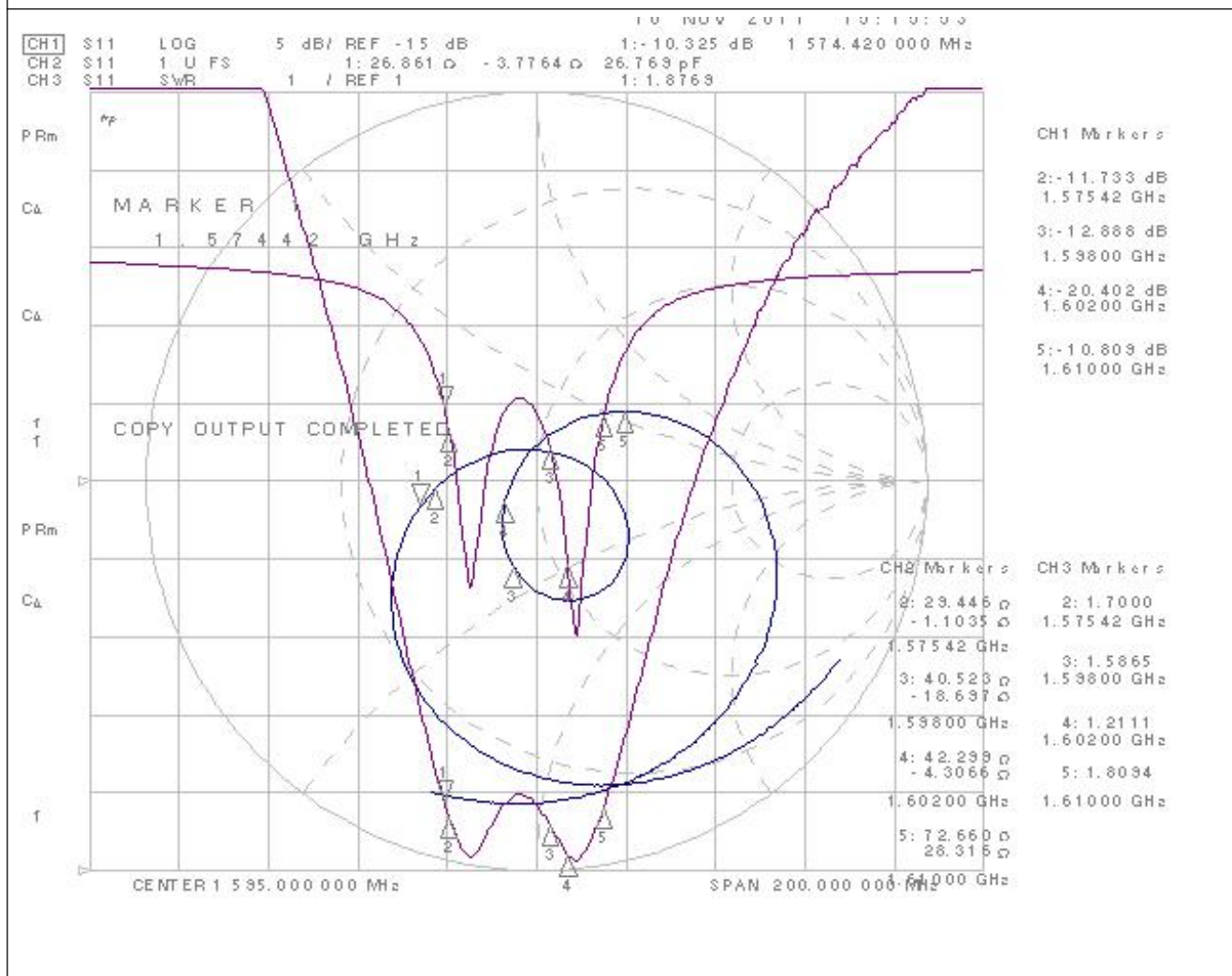
1	Frequency Range	GPS:1575.42MHz±1.023 MHz ; GLNASS: 1602MHz±5 MHz
2	DC Voltage	3.0-5.0V
3	Gain	28±3dB
4	Outband Regection (Absolute value)	≥30dB (fo+100MHz)
		≥30dB (fo-100MHz)
5	Output VSWR	≤2.0
6	Noise Figure	≤1.5dB
7	DC current	8.5±3mA (at3.0V)

### 1.3 Overall (Complete module including RF connector)

1	Frequency Range	GPS:1575.42MHz±1.023 MHz ; GLNASS: 1602MHz±5 MHz
2	Output VSWR	2.0
3	Impedance	50 Ω

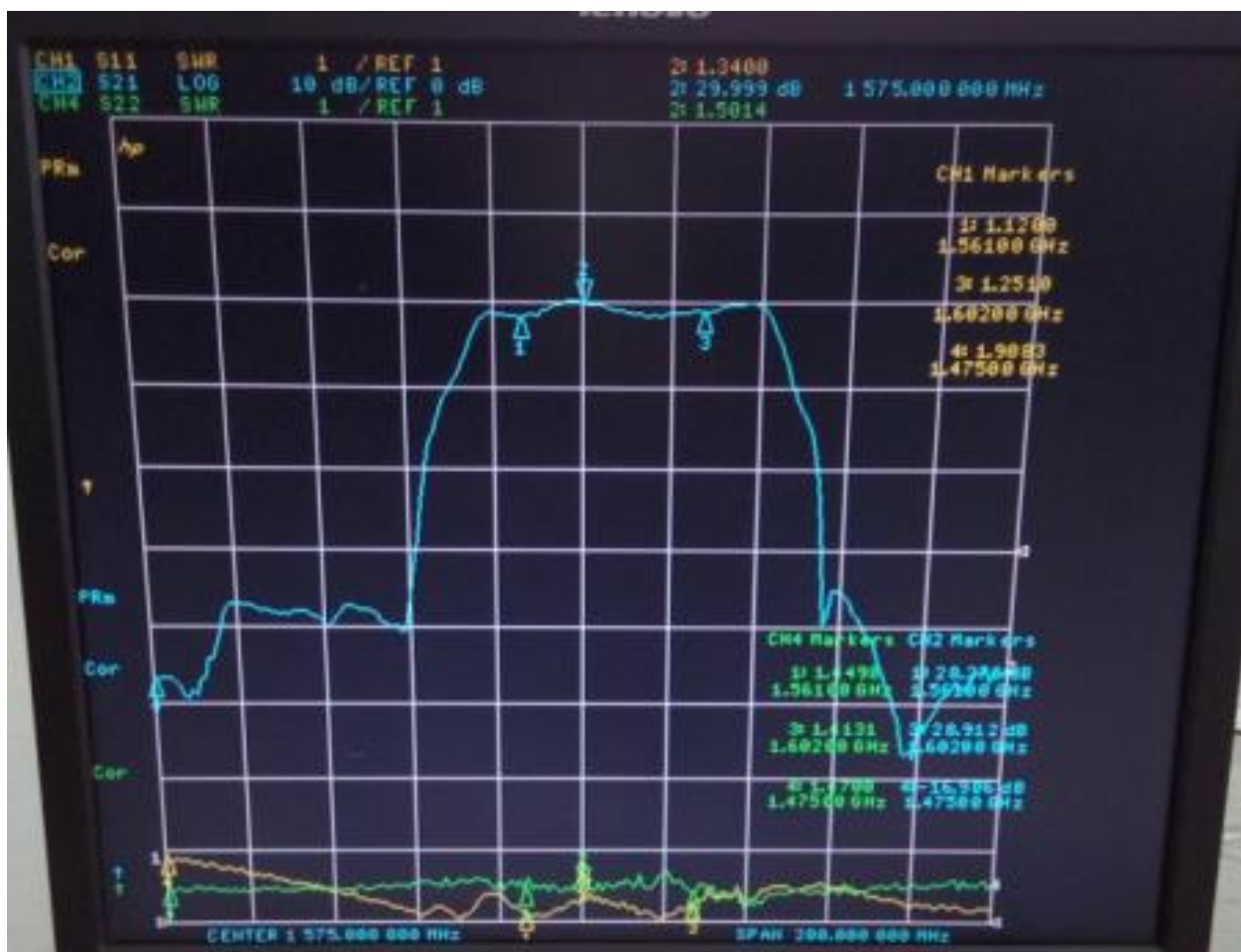
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## 2、Patch Test curve



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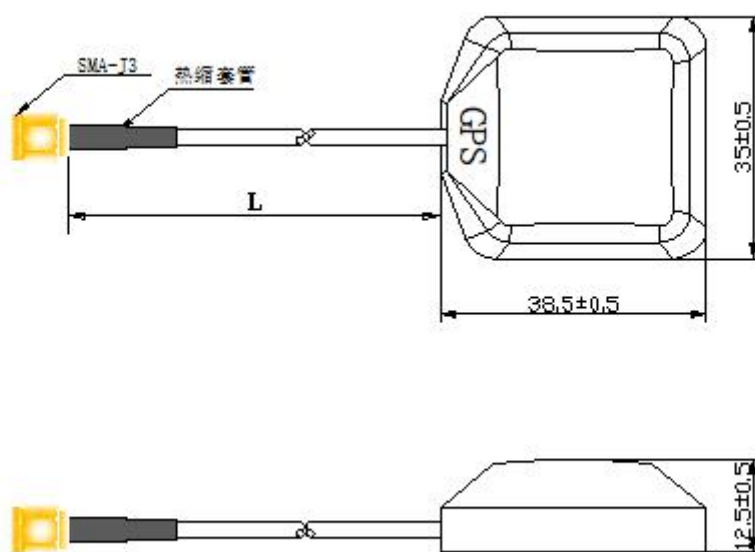
### 3、LNA Test curve (Test condition: DC 3.0V)



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#### 4、Structure (unit: mm)

未注公差:  $\pm 0.3\text{mm}$



$L=5000 \pm 100\text{MM}$

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## 5、Material

No	Part Name	SPEC
1	Antenna	Dielectric Ceramics
2	PCB	FR4
3	Shielding	Tinplate
4	RF Cable	RG174
5	RF Connector	SMA-J3
6	Circular magnets	NdFeB

## 6、Environment Condition

1	Working Temp	-40℃~+85℃
2	Storage Temp	-40℃~+85℃
3	Vibration	Sine sweep 1g(0-p)
		10~55~10Hz each axis
4	International Protection	IPX6

## 7、Packing (If there are other customers packaging requirements specified in the order)

Each carton includes 100 PCS antenna, Each lattice put 2PCS antenna, the size of carton is 630 \* 460 \* 105 mm.



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## 8、 Note

- 1、 This product specification guarantees the quality of our product as a single unit. Please make sure that your product is evaluated and confirmed against your specifications when our product is mounted to your product.
- 2、 The product will get free warranty for three months since the date of purchase users operate in the correct way; users will have to pay cost of the materials and maintaining fee out of the condition.
- 3、 Electrostatic sensitive device. Observe precautions for handling.