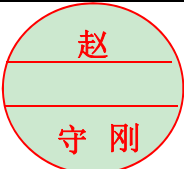


承認書

客 戶: _____
品 名: 868-921mhz Antenna
料 號: HX-A25
客戶料號: _____
送樣日期: _____

客戶確認			供應廠商	
工程部	品保部	採購部	核准	送樣人
				

地址：東莞市沙田鎮楊公洲楊和路75號

TEL : 0769-81663533 FAX: 0769-89361945

E-mail:nogps@qq.com

Http://www.nogps.cn

http://hxnogps.1688.com

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1		2		3		4		5		6		7		8	
RoHS Compatible		CUSTOMER								REV.		DESCRIPTION		DATE	
		PART NO								首次发行		2017.04.12			
E															E
D															D
C															C
B															B
A															A

1

2

20

26.7

16.8

东莞市亨松电子科技有限公司					
PART NAME: 2.4G Antenna					
PART NO.: HX-A25				DATE: 2023-08-16	
APPROVED BY	CHECKED BY	DESIGNED BY			Tolerance
		覃剑勇			X.X ±0.50
					X.XX±0.15
				UNITS: mm	X° ±3°
				SCALE: 1/1	
				REVISION: A	

2	HX-SMA-06	SMA弯头 内孔	铜	金色	1
1	HX-AN68-08	本体 20mm	PC+ABS	白色	1
No.	Part Number	Description	Material	Finished	O'ty

Index:

- 1. Reliability Testing**
- 2. Specification**
- 3. S Parameter Test Data**
- 4. Antenna Radiation Pattern**

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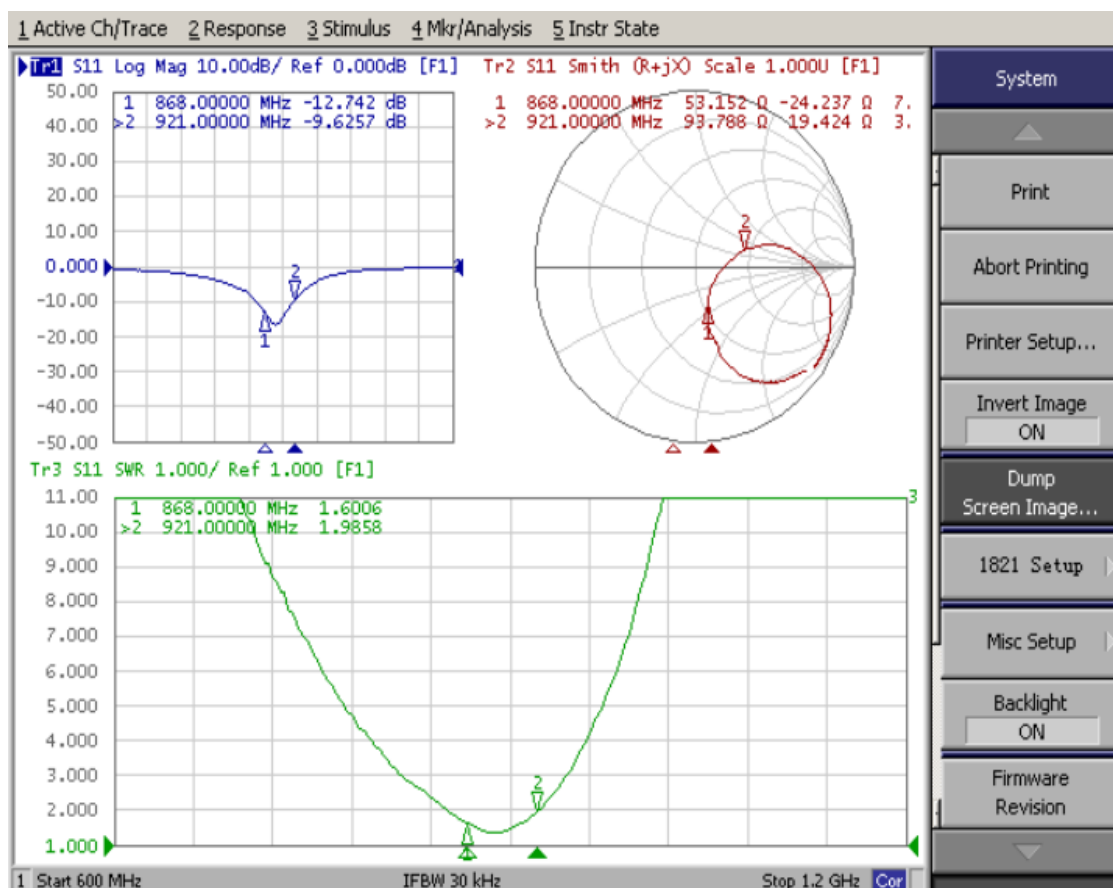
1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
2. Rapid Changing of Temperature	-40°C (30minutes) to 80°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < $\pm 5\%$
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < $\pm 5\%$
4. Endurance	24 hours at 80°C	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < $\pm 5\%$
5. Connector Pull Strength Test	≥ 1.0 Kg	Hold 2~3S: 1. no visible damage 2. bandwidth tolerance < $\pm 5\%$

2. Specification

A. Electrical Characteristics	
S.W.R.(Tested in PC)	≤ 2.0 @ 868-921MHz
Typical Antenna Gain	2db
Admitted Power	2W
Impedance	50 Ohm
B. Material	
Material of Radiator	CU
Connector Type	SMA
C. Environmental	
Operation Temperature	- 30 °C ~ + 85 °C
Storage Temperature	- 30 °C ~ + 85 °C

3. S.W.R. Testing Result



4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

Quiet Zone: 600mm @1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna

