

Hengxin Technology Inc.

Sample Acknowledgment Letter

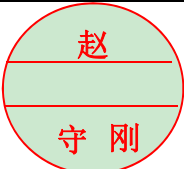
custom: :

Product Name: 2.4GInternal Antenna

Item number: HX-P312

Customer part number:

Sample delivery date:

Customer confirmation			Supplier	
engineering department	Quality Assurance	Procurement Department	approval	Samplesender
				

address: No. 75 Yanghe Road, Yanggongzhou, Shatian Town, Dongguan

TEL : 0769-81663533 FAX: 0769-89361945

E-mail:nogps@qq.com

Http://www.nogps.cn

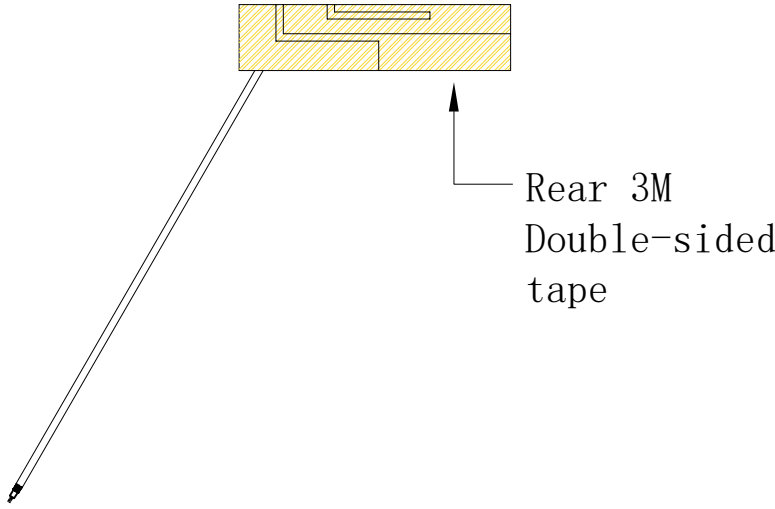
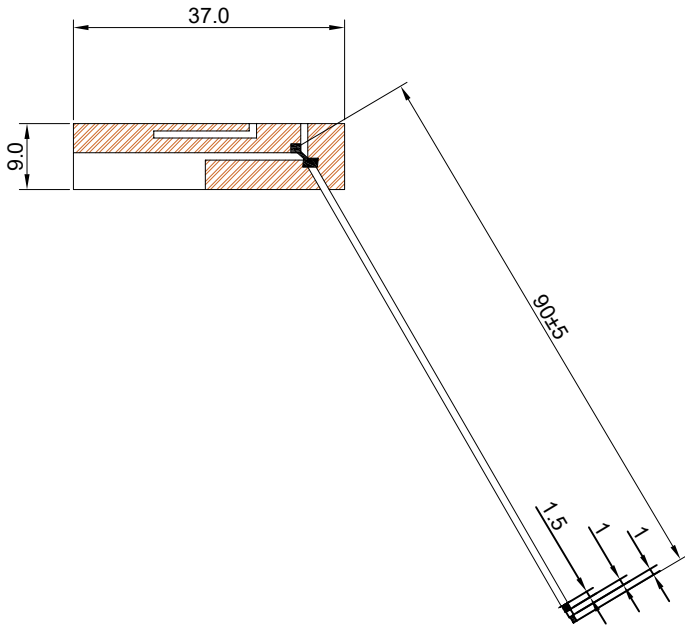
http://hxnogps.1688.com

Directory

1.cover-----	1
2.directory-----	2
3.Finished product drawing-----	3
4.Finished product drawing-----	4
5.Cable Specification-----	7

RoHS
Compatible

序号	日期	原因	确认人
B			
C			
D			



东莞市亨松电子科技有限公司

PART NAME: 2.4G/WiFi FPCInternal Antenna			
PART NO.: HX-P312-BX90B .W01			DATE: 2023-03-15
APPROVED BY	CHECKED BY	DESIGNED BY	
		张雅军	Tolerance
			UNITS: mm X.X ±0.50
			SCALE: 1/1 X.XX±0.15
			REVISION:A X° ±3°

Index:

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

=====

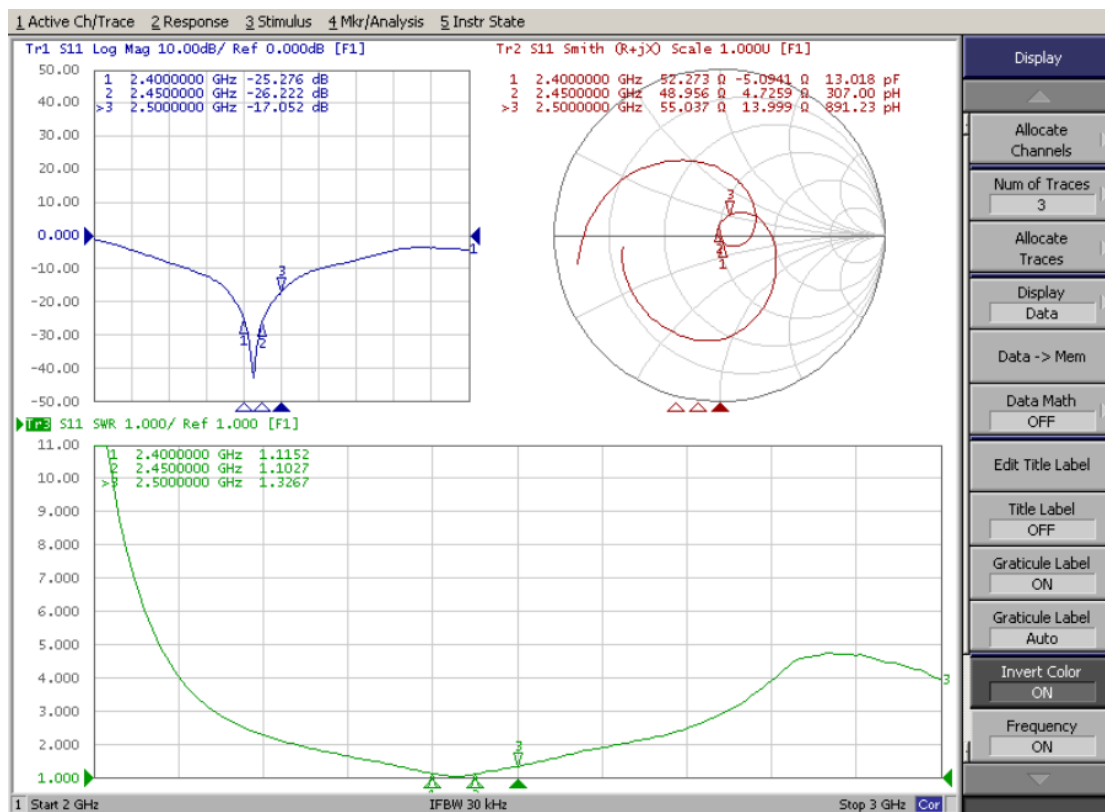
1. Reliability Testing

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 @ 2400~2500 MHz
Typical Antenna Gain	2dBi
Impedance	50 Ohm
B. Material	
Material of Radiator	FPCB
Cable Length	50mm
Connector Type	剥线镀锡
C. Environmental	
Operation Temperature	- 40 °C ~ + 85 °C
Storage Temperature	- 40 °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

