

Hengxin Technology Inc.

Sample Letter of Acknowledgment


client:

Product name: 2.4G Antenna

Part No: HX-A05

Customer part number: \_\_\_\_\_

Sample delivery date: \_\_\_\_\_

The customer confirms that the supplier's engineering department, quality			
assurance department,	purchasing department	approves the sample	sender
			

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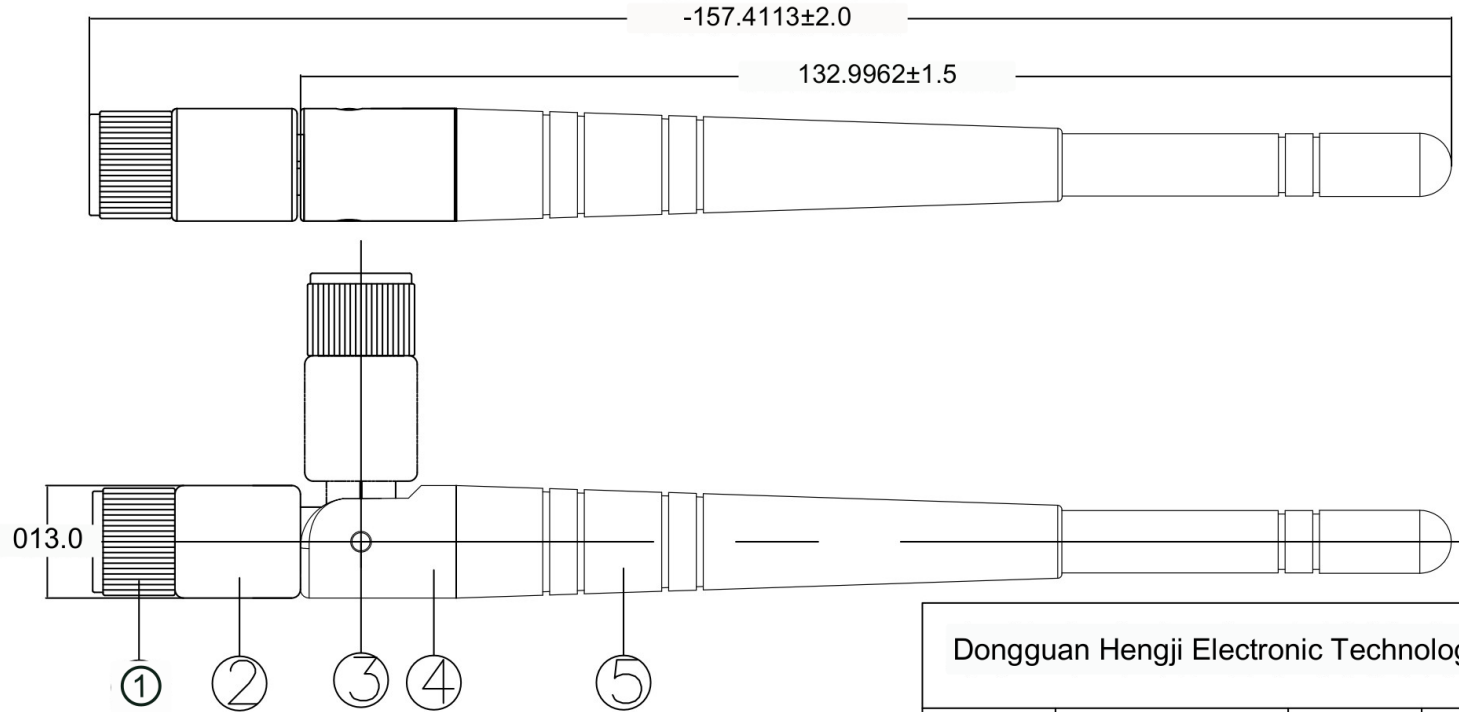
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**ROHS**

Compatible

serial number	date	reason	Confirmor
A			
B			
C			



5	Antenna Cap	TPE ,Color:Black	1
4	Upper Base	PC, Color:Black	1
3	Rivet	POM, Color:Black	2
2	Bottom Base	PC, Color:Black	1
1	SMA Male	Cu Black	1
NO	PART NAME	DESCRIPTION	Q.TY

Dongguan Hengji Electronic Technology Co., Ltd.

Part Name	WiFi Antenna	Product Name	WiFi Antenna
part number	HX-A05	Product number	HX-A05.Dwg
scale NONE unit		mm	
approver	reviewer	Cartographer	Dimensional tolerance X: $\pm 0.5$
		Tan Sumin 2014.10.15	x.x $\pm 0.3$ x.xx $\pm 0.15$ x $\pm 3$
			Rev. A

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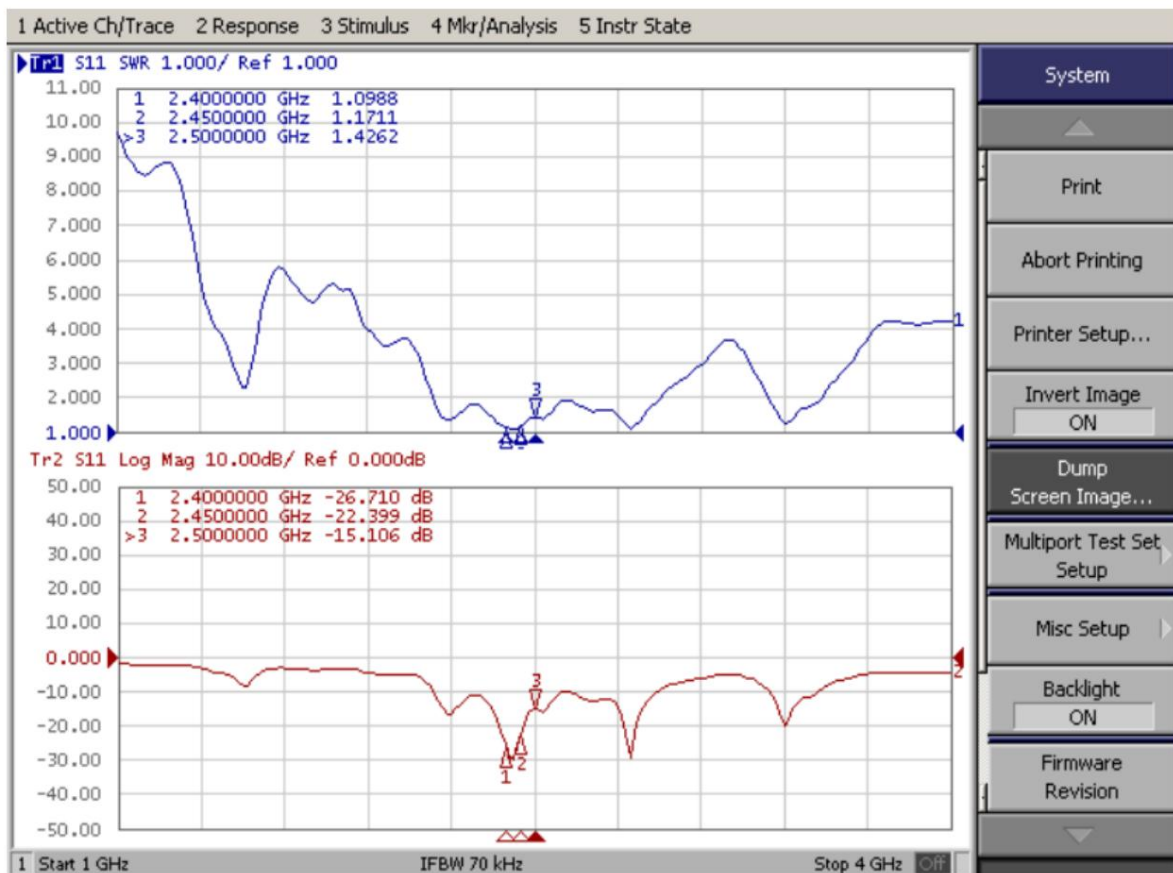
1. Reliability Testing

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 <±5%
3. Damp Heat	24 hours at 60°C; 90 ~ 95%RH	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance <±5%
4. Endurance	24 hours at 80°C	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance <±5%
5. Connector Pull Strength Test	>= 1.0 Kg	Hold 2~3S: 1. no visible damage 2. bandwidth tolerance <±5%

## 2. Specification

A. Electrical Characteristics	
SWR(Tested in PC)	$\leq 2.0$ @ 2400~2500 MHz
Typical Antenna Gain	3.0dBi
Impedance	50 Ohms
B. Material	
Material of Radiator	CU
Connector Type	SMA
Material of Coaxial Cable	RG-178mm
C. Environmental	
Operation Temperature	- 30°C ~ + 85°C
Storage Temperature	- 30°C ~ + 85°C

## 3. SWR Testing Result



## 4. Antenna Radiation Pattern

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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

