



Shenzhen Lejin radio frequency technology Co., LTD

# SPECIFICATIONS FOR APPROVAL

Customer Name: 深圳金亚太科技有限公司

Product Name: 2.4GHz 天线

Product Model: UZW-100

Part Number: LJW01-20081708-R0A

Write By : 胡雪文

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## CUSTOMER

ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVAL

## LEJIN

R&D DEPT	ENGINEER DEPT	APPROVAL

REV	MODIFIED DESCRIPTION	DATE	REMARK
V1.0	Initial Draft Release	2020/08/17	



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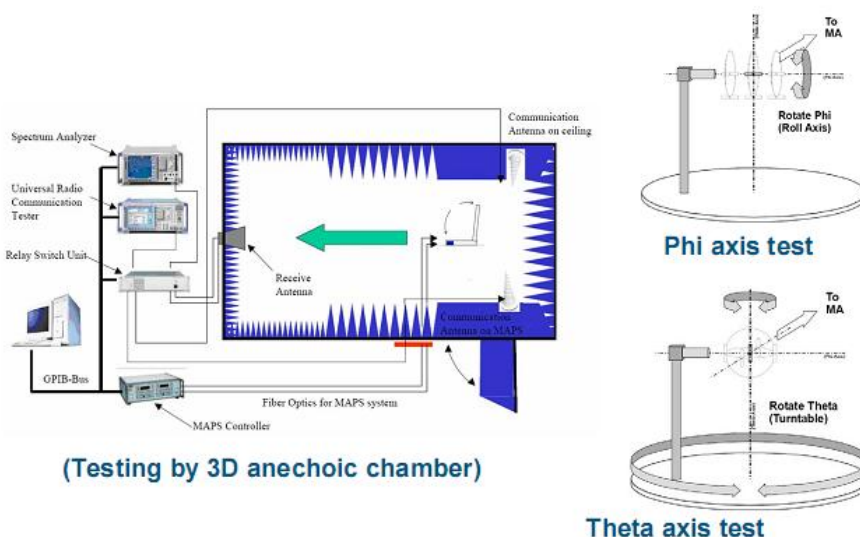


三、规格 (Product Specification)

A. Electrical Characteristics	
Frequency	868MHz 915MHz
VSWR	<2.5
Efficiency	≥15%
Impedance	50~90Ohm
Polarization	Circular
Gain	≤0.5dB
B. Material & Mechanical Characteristics	
Material of Radiator	Metal Antenna(Cu)
Cable Type	N/A
Connector Type	Soldering
Dimension	Φ 5.4mm*12..0mm
C. Environmental	
Operation Temperature	- 30 °C ~ + 80 °C
Storage Temperature	- 30 °C ~ + 85 °C
Humidity	40%~95%

四、测试设备 (Test Equipment & Conditions)

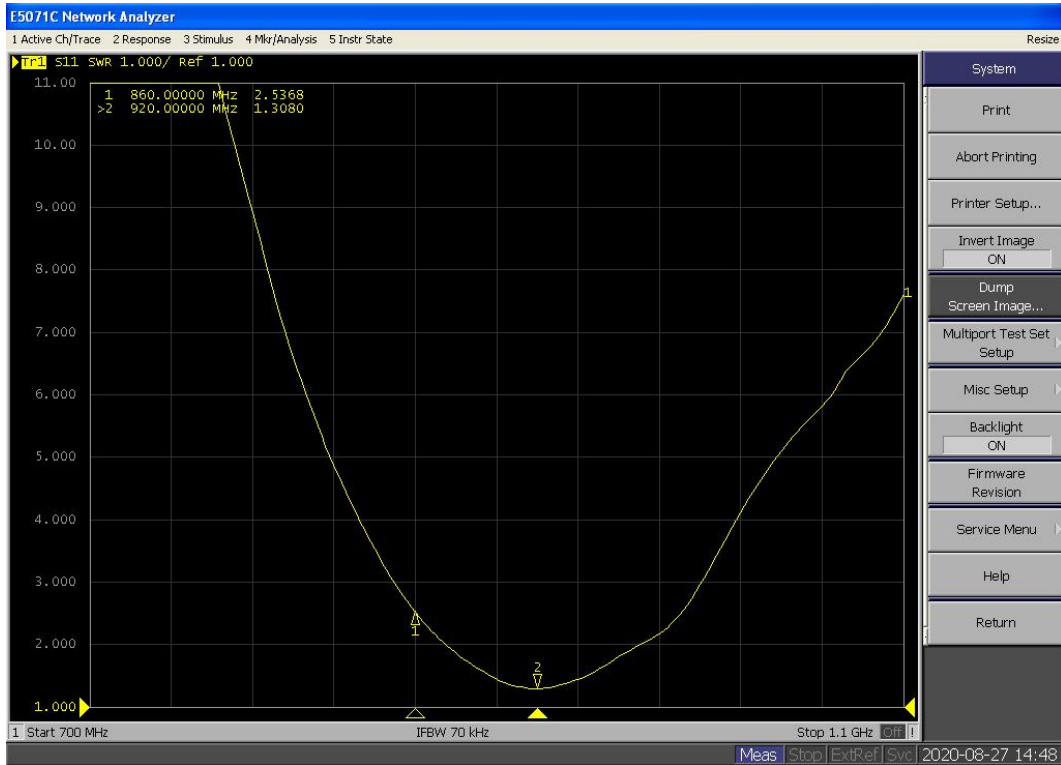
- 1.Network Analyzers                      Agilent 8753D/5071C
- 2.HSPA+和LTE协议测试仪              R&S CMW500 -PT
- 3.Communications Test Set              Agilent 8960
- 4.3D Chamber Test System





## 五、性能测试报告 (Test Report)

### 5.1 电压驻波比 (VSWR)



### 5.2 效率和增益 (Efficiency/Gain)

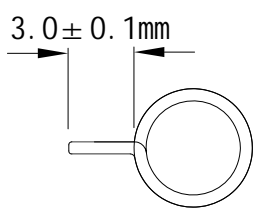
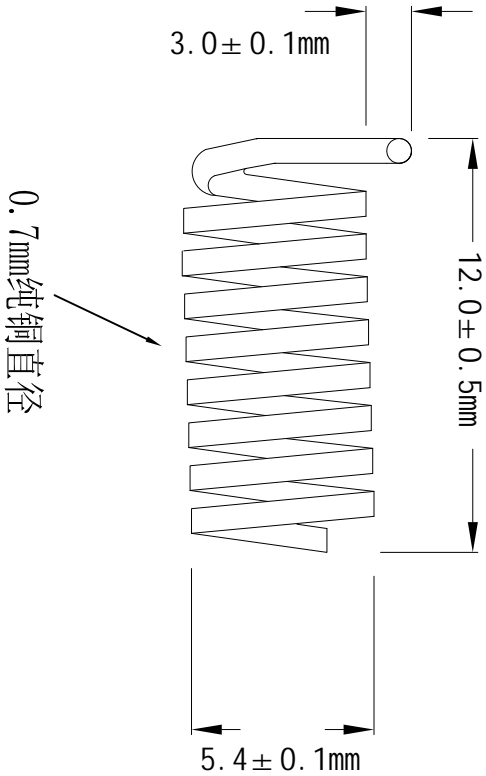
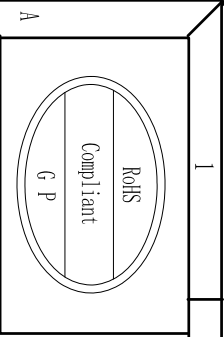
Passive	Freq(MHz)	890	900	910	920	930
Test	Effi(%)	15.13	16.33	15.42	16.01	18.25
915MHz	Gain(dBi)	0.61	0.67	0.70	0.78	0.66

## 六、包装(Package)

### (1) 天线实物图(Real picture)



## 七、工程图纸(Product Drawing)(略)



1	2	3	Date	Remark
Rev	Description			
A	New drawing			

Third Angle		Project		Geniatech		Date		2024-01-27	
0~10	±0.05	○	0.02	Part Name	Z-Wave	Designed by			
10~18	±0.10	◎	φ0.03	Part No.		Checked by	MD		
18~30	±0.12	⊥	0.02	Material	弹簧	RF			
30~40	±0.15	∠	0.04	DWG No.	LJM01-20081708-R1A	Approved by			
40~	±0.20	Angle	±0.5°						

深圳市乐进射频科技有限公司