SPECIFICATIONS FOR APPROVAL

The specification data is the sample antenna data. Due to factors such as the product not being glued to the shell, there may be differences between the trial production machine and the specification data. However, after correction with the trial production machine, the data can remain consistent with the specification data

Antenna manufacturer: Shenzhen Lejin radio frequency technology Co., LTD

Company Address: 3rd Floor, Building A4, No. 176 Chongqing Road, Fuhai Street, Bao'an District, Shenzhen, Guangdong Province. (Phone number: 13603098741)

Customer Name:	深圳芯影飞扬科技有限公司
Product Name:	LJF02-240122002T-R0A
Product Model:	VBM002 Tx ANT
Part Number:	
Write By :	李明进
Issued Date:	2024/4/22

CUSTOMER				
ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY	DATE	Edition/Part number
LEJIN				
R&D DEPT	ENGINEER R&D DEPT	APPROVAL	DATE	Edition/Part number
		李明进		数字签名者：李明进 DN：cn=李明进, o=乐进射频, ou=研发, email=13603098741@163.com, c=<无 日期：2024.04.21 20:24:00 +08'00'

ECN/ECR			

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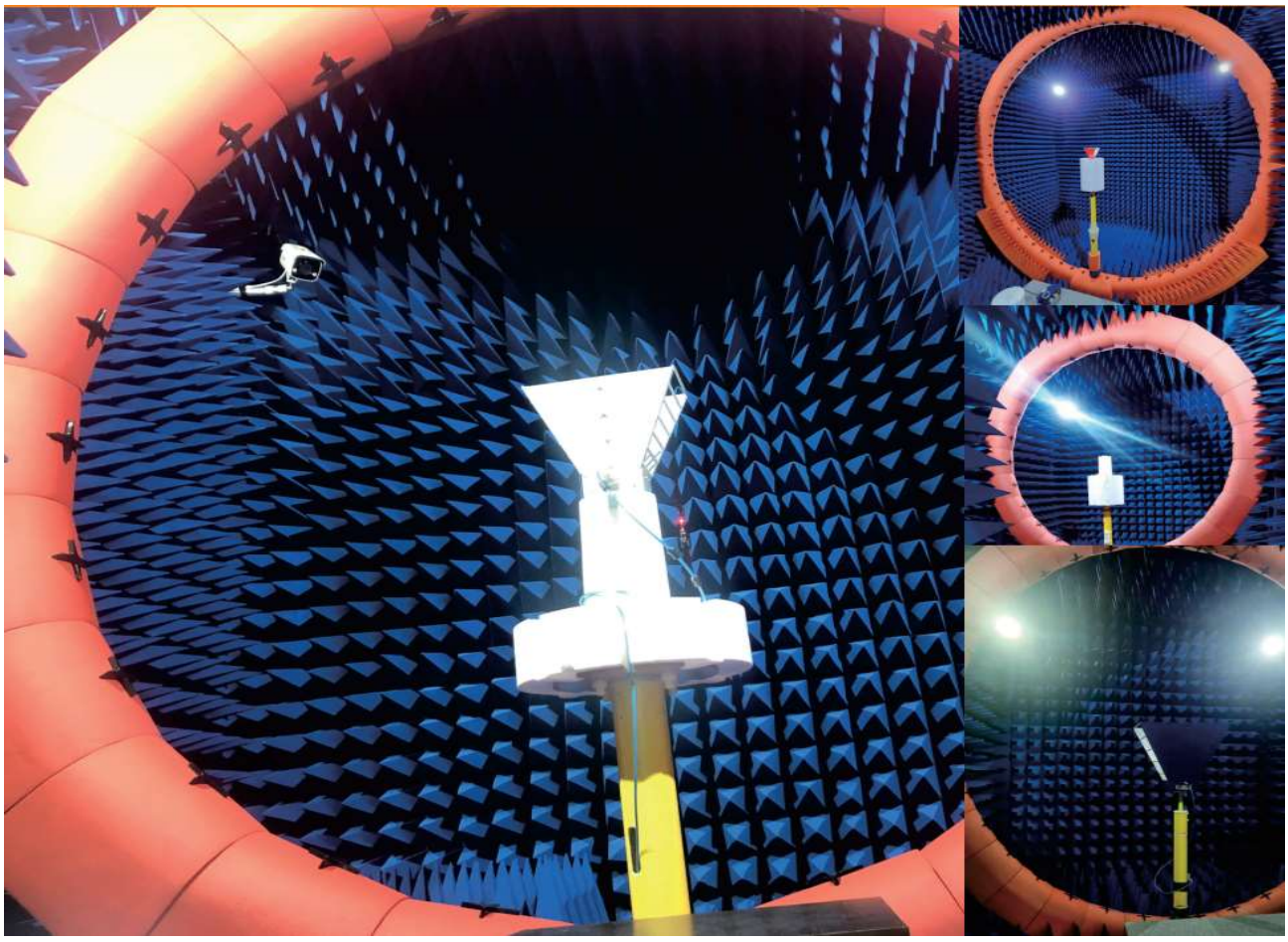
Electrical Characteristics					
Frequency	VSWR	Efficiency	Impedance	Polarization	Gain（dB)
902MHZ--932 MHZ	<1.8	>50%	50 Ohm	Linear	⩾-1.5,<1.5

Material & Mechanical Characteristics				Environmental	
Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
BL	1.37	KCC137-1_300		- 20 ℃ ~ + 50 ℃	- 30 ℃ ~ + 80 ℃

Test Equipment & Conditions

1. **Network Analyzers :Agilent 5071C**
2. **Communications Test Set:Agilent E5515C/CMW500/AT8826**
3. **3D Chamber Test System(ETS743)/STM23+1**



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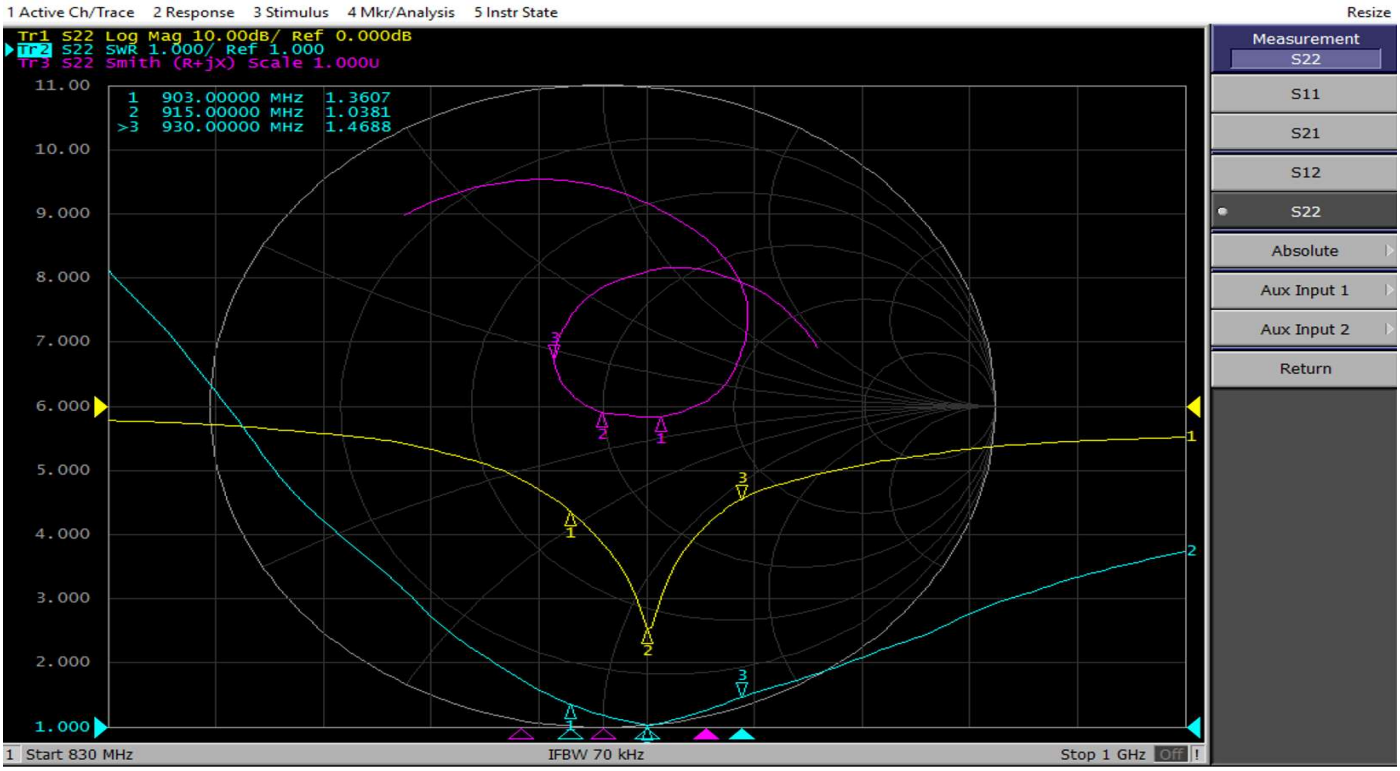
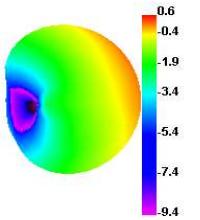
Antenna Impedance: WIFI ANT M:

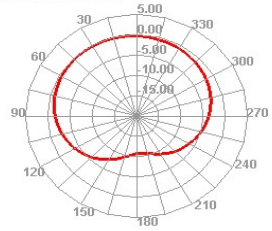


902MHz /932MHz	Freq	(MHz)	896	902	908	914	920	926	932	938
	Effi	(%)	49.93	51.77	55.56	57.94	62.17	50.98	49.47	47.36
	Gain	(dBi)	1.04	0.6	0.39	0.43	0.7	-0.14	-0.39	-0.51

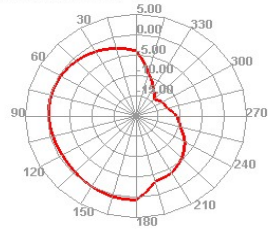
902.000MHz



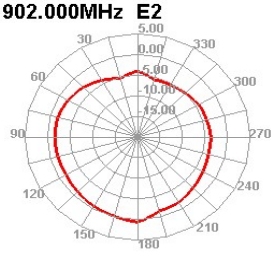
902.000MHz H



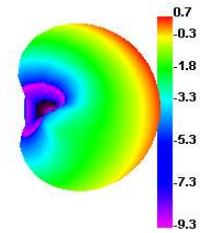
902.000MHz E1



902.000MHz E2



920.000MHz



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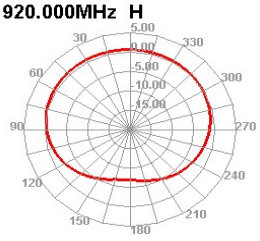

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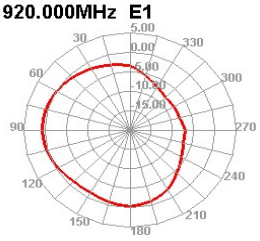

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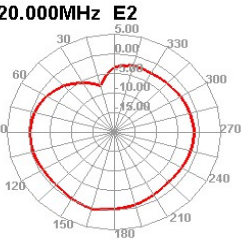
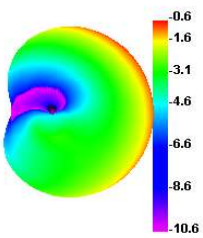
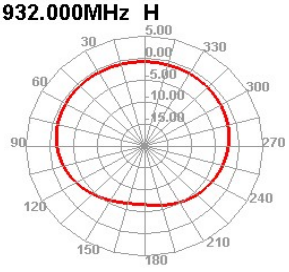


932.000MHz



932.000MHz H



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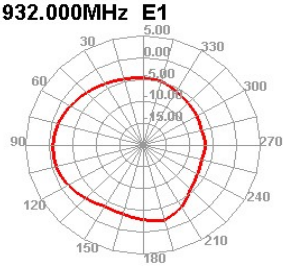

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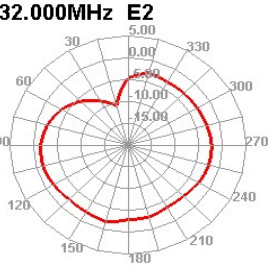

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天线安装

天线工程图:

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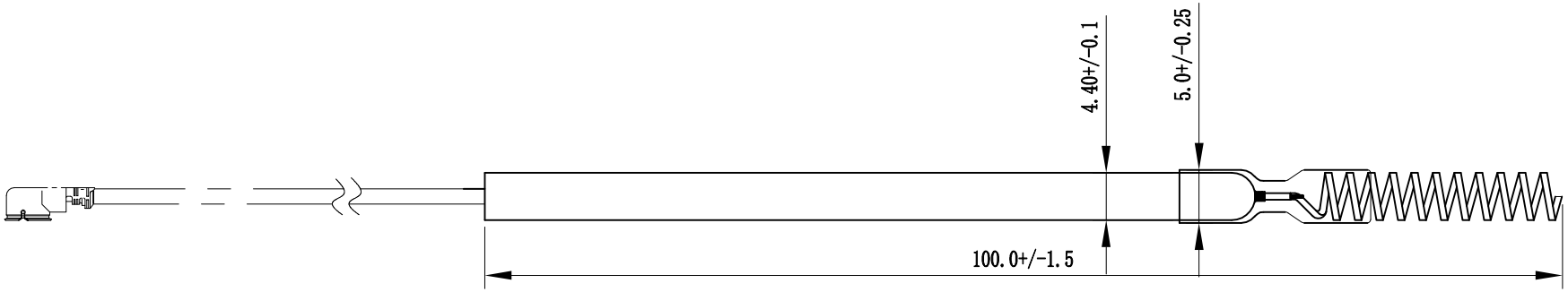
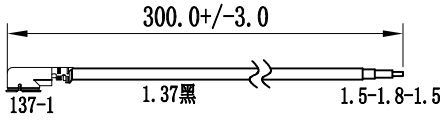
RoHS
Compliant
G P





Rev	Description	Date	Remark
A	New drawing		

深 圳 乐 进 射 频 科 技 有 限 公 司
SHEN ZHEN LEJIN RADIO FREQUENCY CO.,LTD

Third Angle				Project	VBM002_TX ANT	Date	2024-04-22
0～10	±0.05	○	0.02	Part Name		Designed by	
10～18	±0.10	◎	⌀0.03	Part No.		Checked by	MD
18～30	±0.12	⊥	0.02	Material			RF
30～40	±0.15	▱	0.04	Treatment	LJF02-24012202T-R0A	Approved by	
40～	±0.20	Angle	±0.5°			Unit mm	Scale FIT Rev A
Location							

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