



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:	LJF02-240122002R-R5A
Product Model:	VBM002 Rx 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

ECN/ECR			

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Electrical Characteristics

Frequency	VSWR	Efficiency	Impedance	Polarization	Gain (dB)
902MHZ--932 MHZ	<1.8	>40%	50 Ohm	Linear	≥0,<2.0

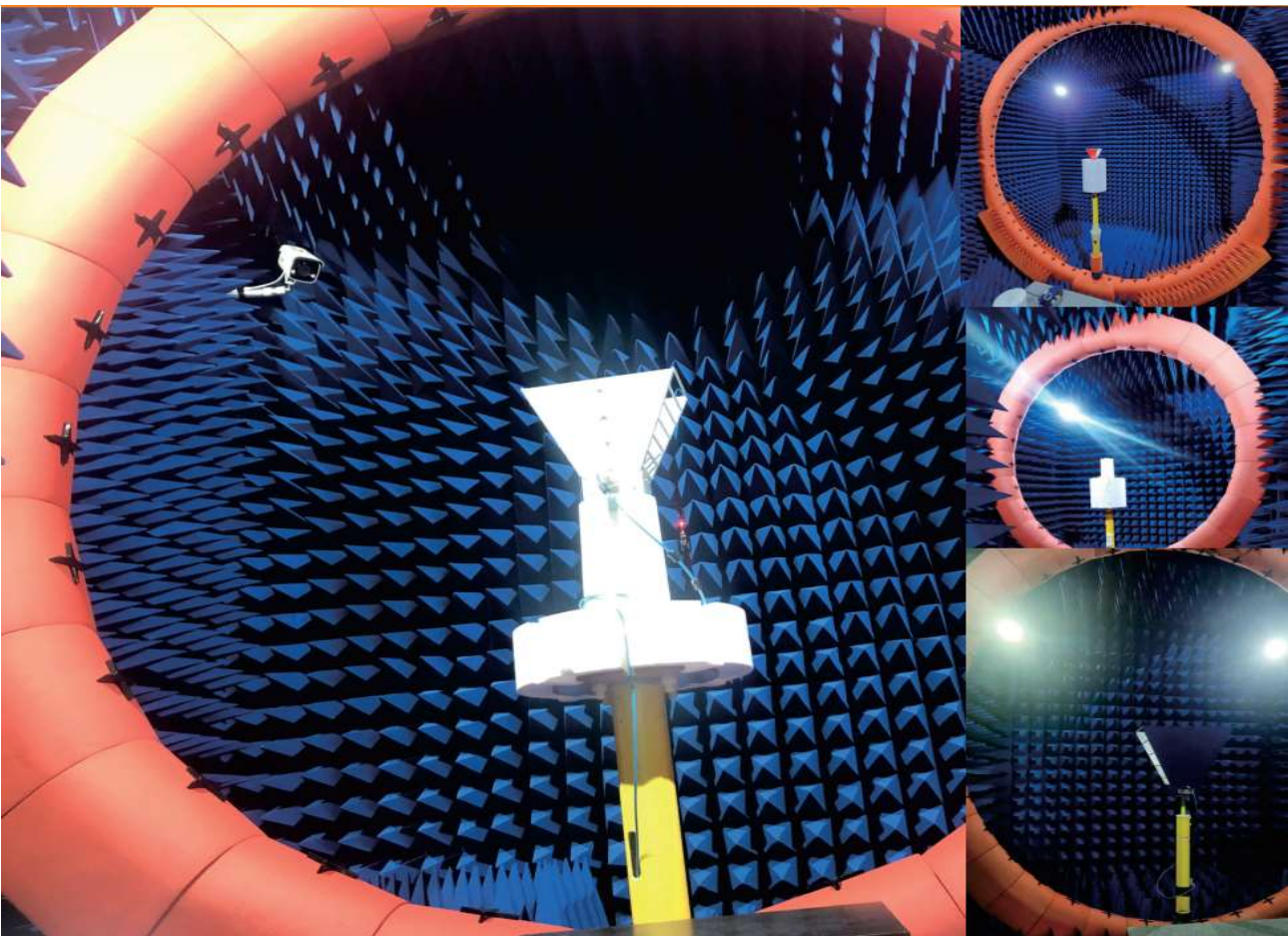
Material & Mechanical Characteristics

Environmental

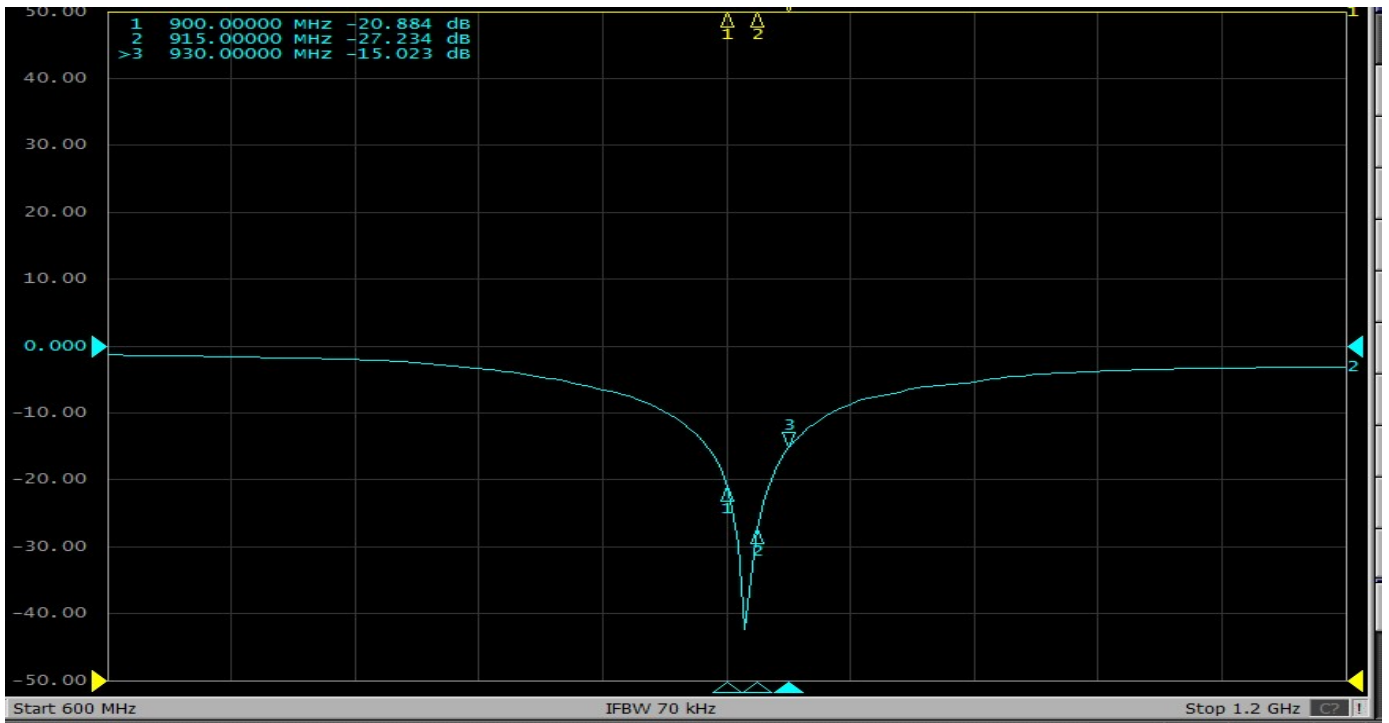
Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
BL	1.13 L:135 Black	KCC451_135		- 20 °C ~ + 50 °C	- 30 °C ~ + 80 °C

Test Equipment & Conditions

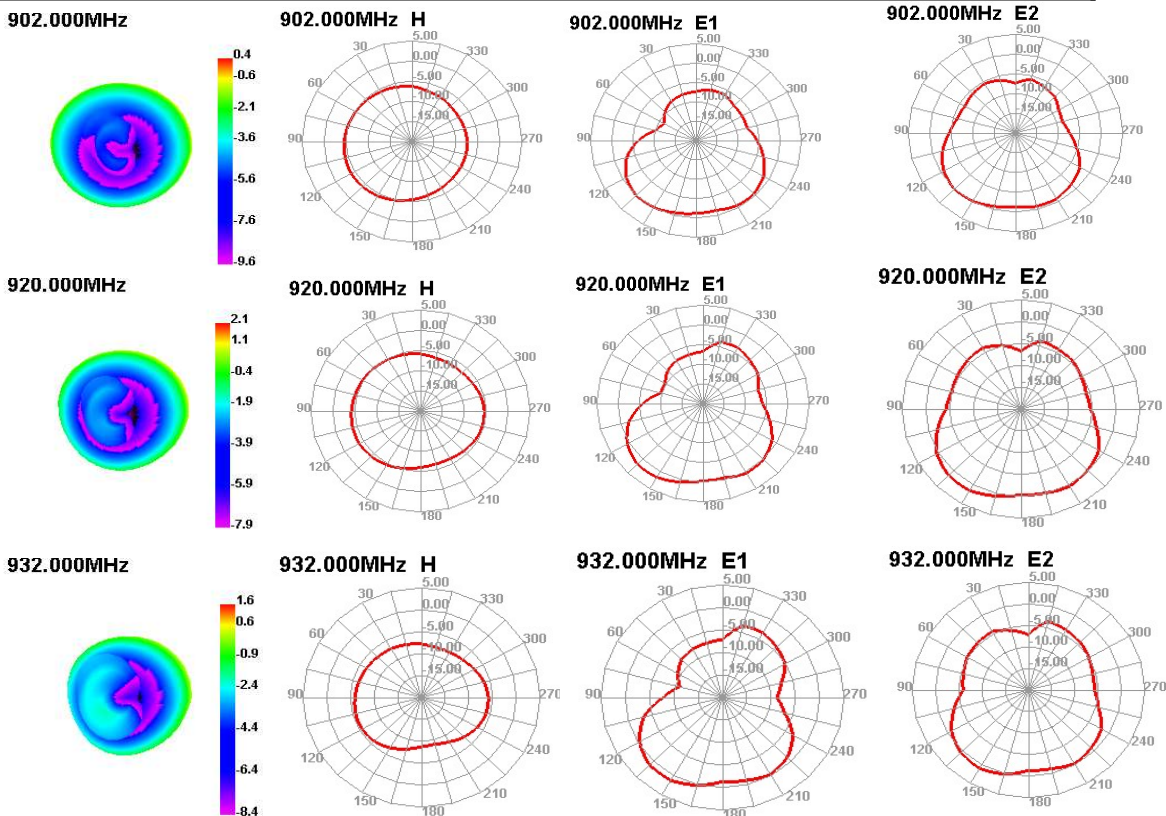
1. **Network Analyzers :Agilent 5071C**
2. **Communications Test Set:Agilent E5515C/CMW500/AT8826**
3. **3D Chamber Test System(ETS743)/STM23+1**



Antenna Impedance: WIFI ANT M:



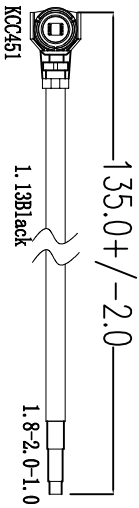
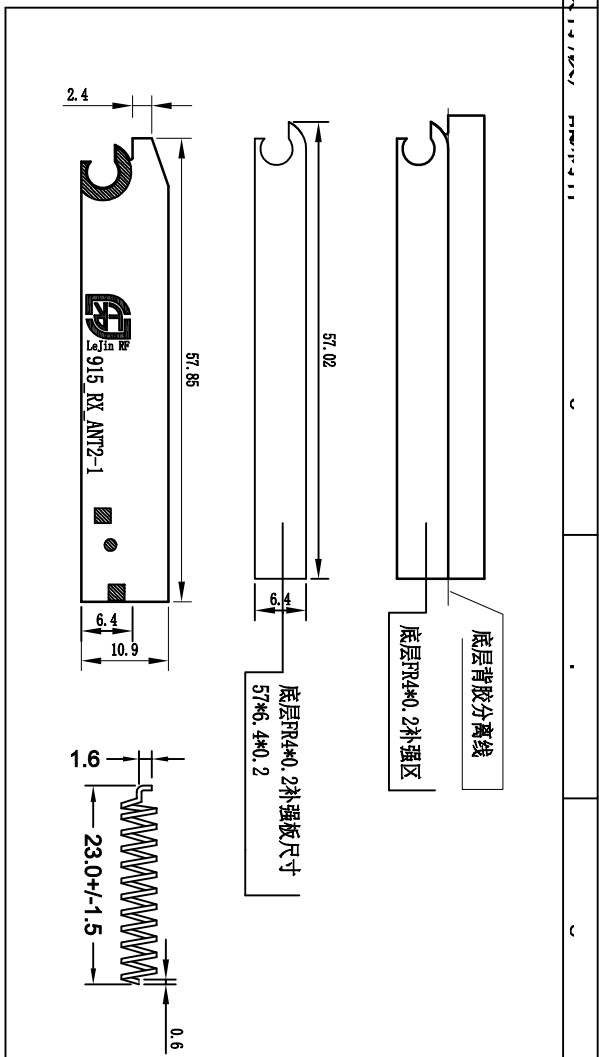
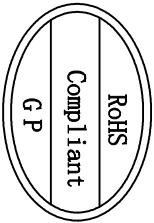
902MHz /932MHz	Freq (MHz)	896	902	908	914	920	926	932	938
	Effi (%)	35.38	39.54	40.17	42.65	43.38	44.58	41.27	39.56
	Gain (dBi)	0.39	1.05	1.14	1.17	1.97	2.15	1.87	1.51



天线安装



天线工程图:



Rev	Description	Date	Remark
1			
2			
3			
A	New drawing		

		深圳乐进射频科技有限公司 SHEN ZHEN LEJIN RADIO FREQUENCY CO., LTD	
0~10 10~18 18~30 30~40 40~	±0.05 ±0.10 ±0.12 ±0.15 ±0.20	Third Angle 0.02 0.03 0.02 0.04 ±0.5°	Project Part Name Part No. Material Treatment
Location 40~	±0.20 Angid ±0.5°	VBM002_RX ANT Date 2024-04-22	LJJR02-24012202R-R0A Unit mm Scale FIT Rev A

弘博智云科技有限公司

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