



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: LJF02-250303003T-R0A

Product Model: VBM8寸Rx ANT

Part Number:

Write By : 李明进

Issued Date: 2025/3/3

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=CN 日期: 2025.03.04 16:39:23 +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	$\geq -1.5, <1.5$

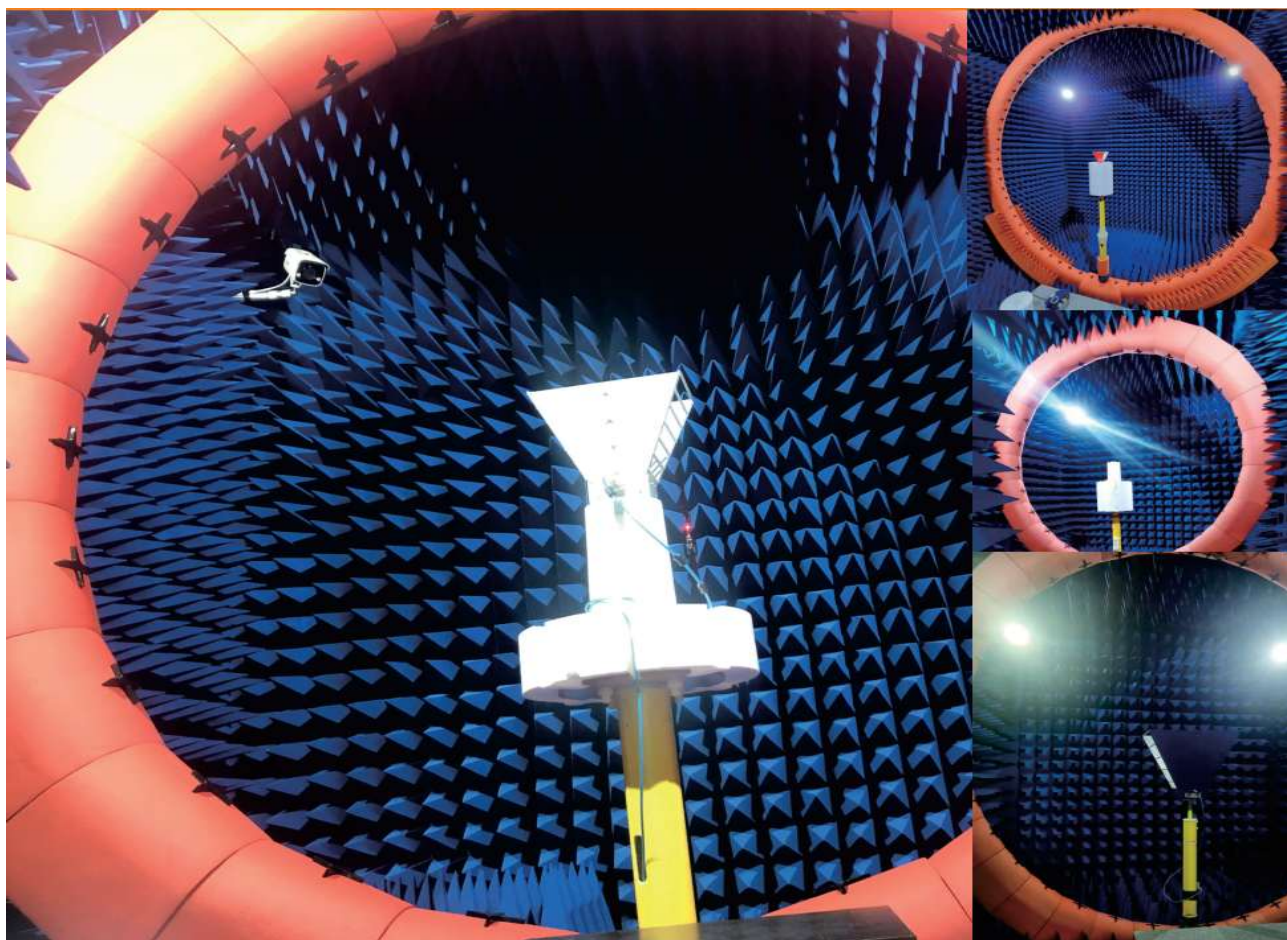
Material & Mechanical Characteristics

Environmental

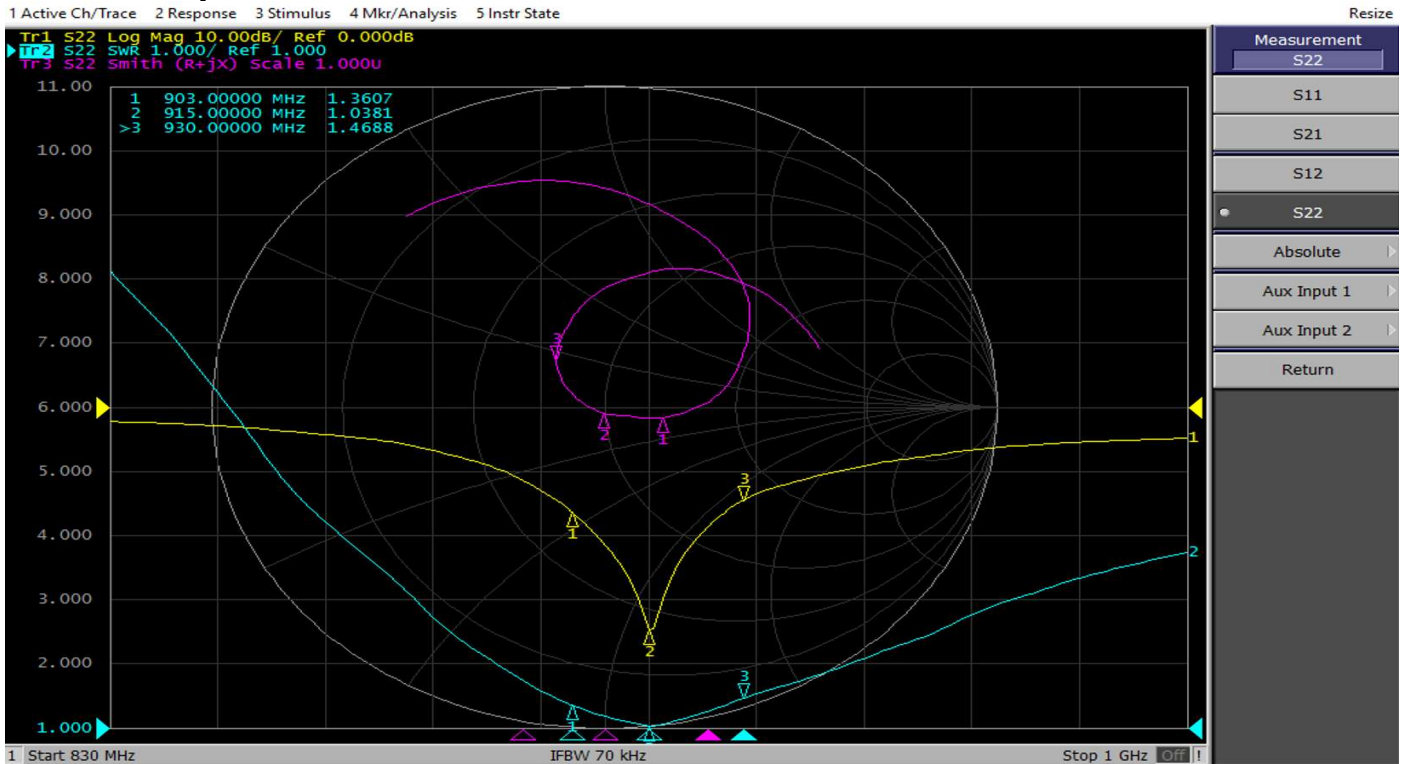
Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
BL	1.13	KCC137-1_300		- 20 °C ~ + 50 °C	- 30 °C ~ + 80 °C

Test Equipment & Conditions

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

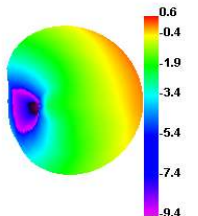


Antenna Impedance: WIFI ANT M:

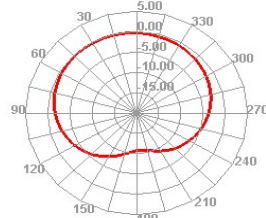


902MHz	Freq (MHz)	896	902	908	914	920	926	932	938
/932MHz	Effi (%)	49.93	51.77	55.56	57.94	62.17	50.98	49.47	47.36
	Gain (dBi)	1.04	0.6	0.39	0.43	0.7	-0.14	-0.39	-0.51

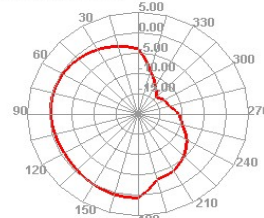
902.000MHz



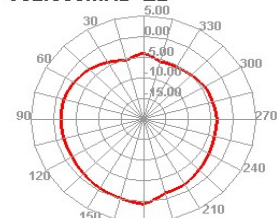
902.000MHz H



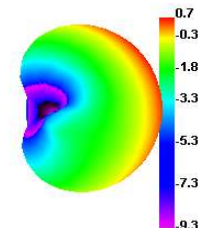
902.000MHz E1



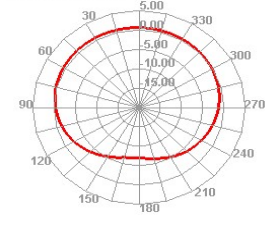
902.000MHz E2



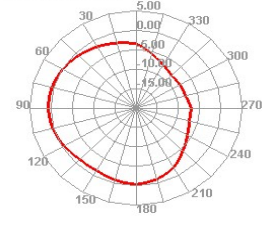
920.000MHz



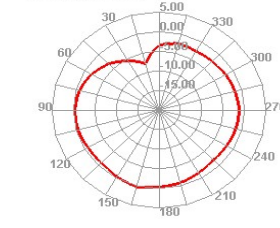
920.000MHz H



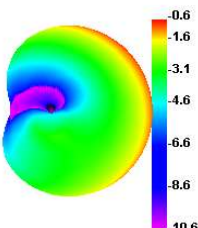
920.000MHz E1



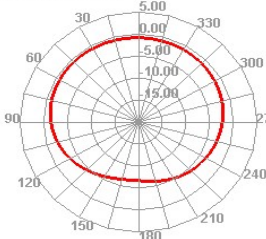
920.000MHz E2



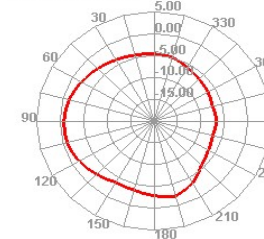
932.000MHz



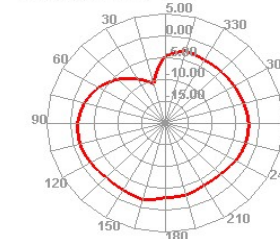
932.000MHz H



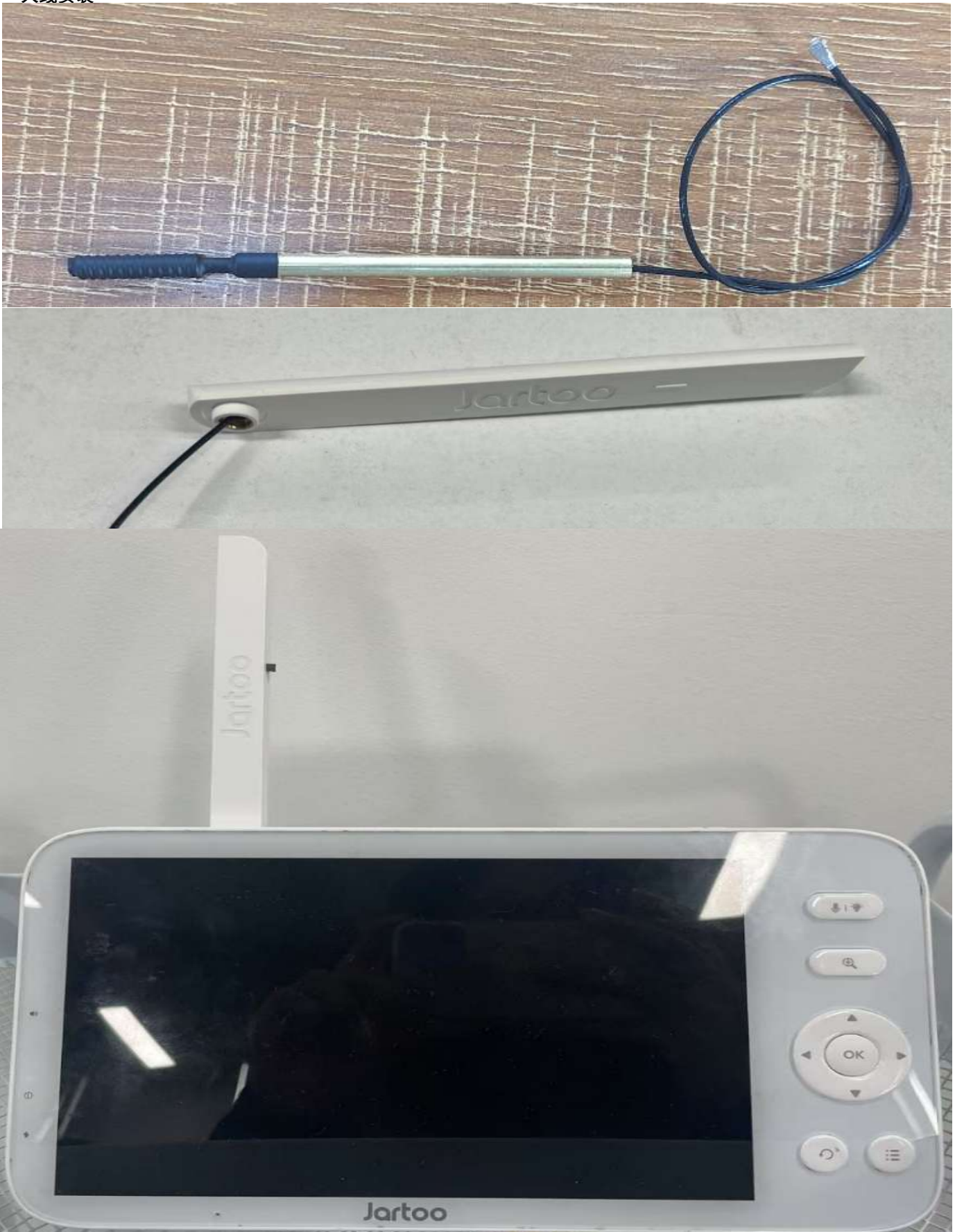
932.000MHz E1



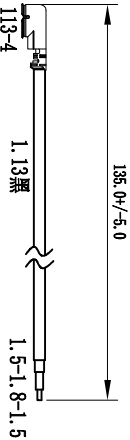
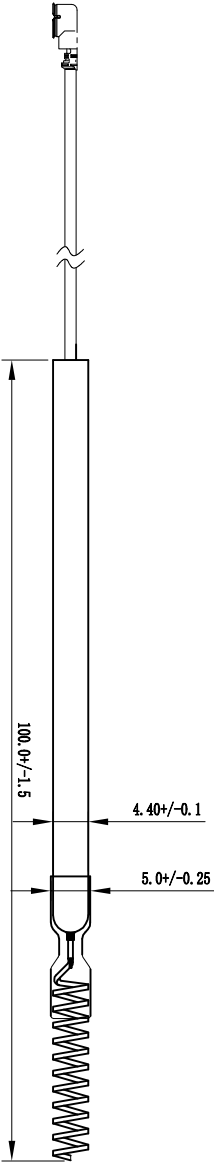
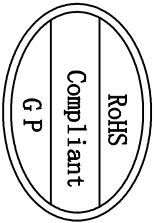
932.000MHz E2



天线安装



天线工程图：



深圳乐进频科技术有限公司
SHEN ZHEN LEJIN RADIO FREQUENCY CO., LTD

Third Angle	Project	Part Name	Date
0~10	±0.05	○	0.02
10~18	±0.10	◎	0.03
18~30	±0.12	⊥	0.02
30~40	±0.15	∠	0.04
40~	±0.20	Angle	±0.5°

Location	Treatment	Unit	mm	Scale	Flt	Rev	A
1	2	3	4	5	6	7	8

Location	Treatment	Unit	mm	Scale	Flt	Rev	A
1	2	3	4	5	6	7	8

Location	Treatment	Unit	mm	Scale	Flt	Rev	A
1	2	3	4	5	6	7	8