



Shenzhen Lejin radio frequency technology Co., LTD

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: AILAIKA 艾莱卡

Product Name: AL11 ANT

Product Model: LJF02-26040821-R0A

Part Number:

Write By : Siqi Peng

Issued Date: 2026/6/16

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
2350 MHz ~2400 MHz	<1.5	>40%	50 Ohm	Linear	≥ 0 DB

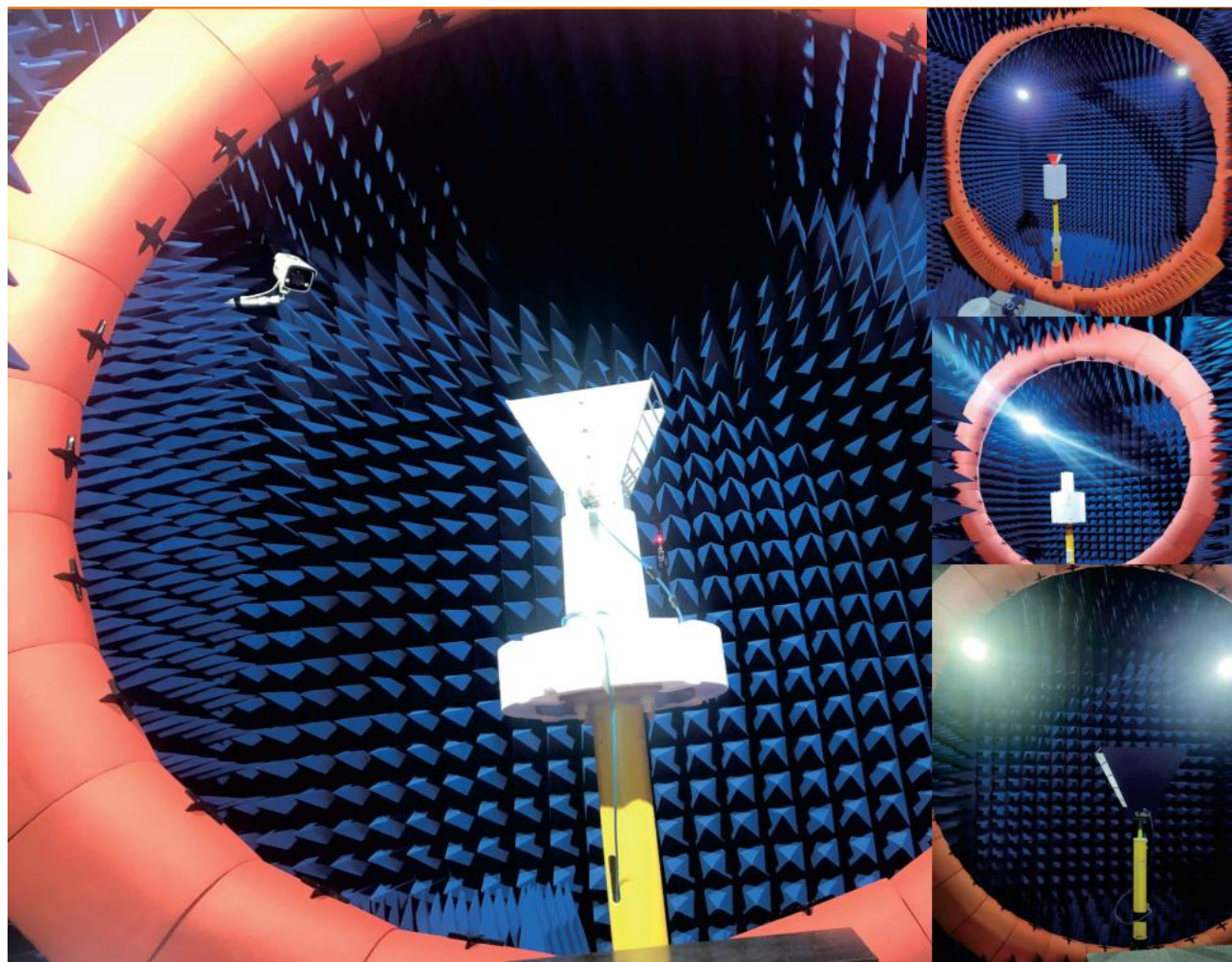
Material & Mechanical Characteristics

Environmental

Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
BL	113B-65	1.13-1代		- 20 °C ~ + 50 °C	- 30 °C ~ + 80 °C

Test Equipment & Conditions

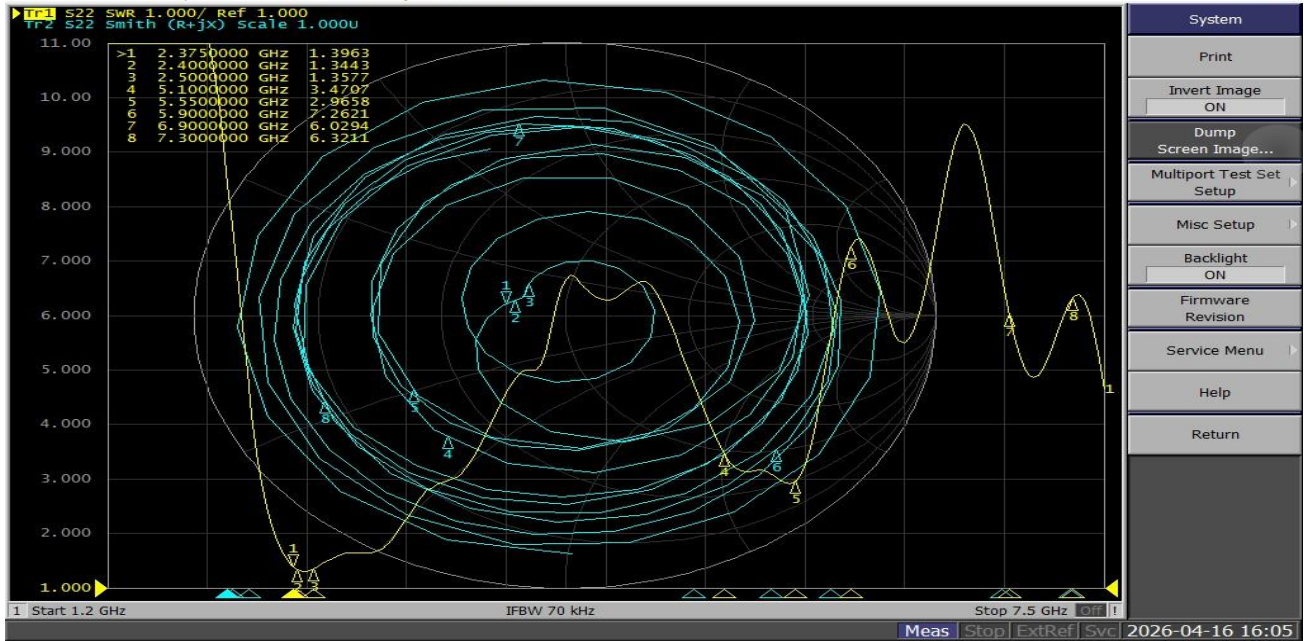
1. Network Analyzers :Agilent 5071C
2. Communications Test Set:Agilent E5515C/CMW500/AT8826
3. 3D Chamber Test System(ETS743)/STM23+1



Antenna Imnedance: WIFI ANT M:

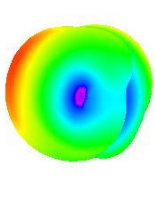
E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

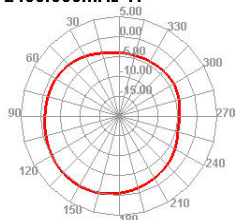


2.45G	Freq (MHz)	2400	2422.5	2450	2478.5	2500	ANT
	Effi (%)	60.18	60.45	63.25	62.05	68.31	
	Gain (dBi)	1.73	1.65	1.81	1.64	1.86	

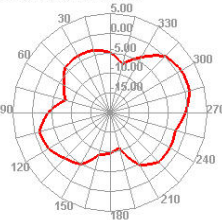
2400.000MHz



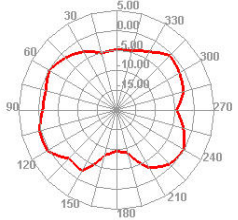
2400.000MHz H



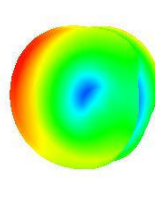
2400.000MHz E1



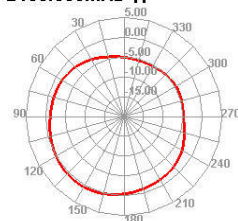
2400.000MHz E2



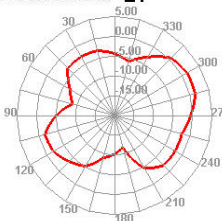
2450.000MHz



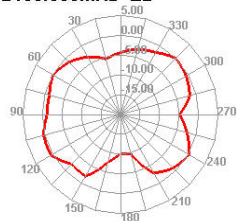
2450.000MHz H



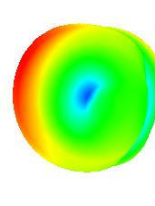
2450.000MHz E1



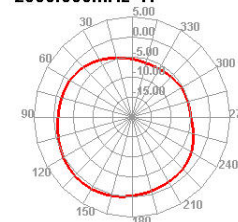
2450.000MHz E2



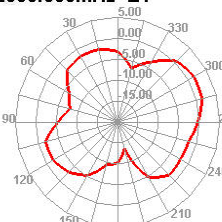
2500.000MHz



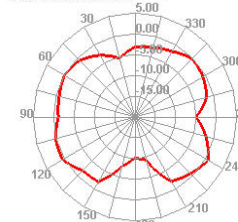
2500.000MHz H



2500.000MHz E1

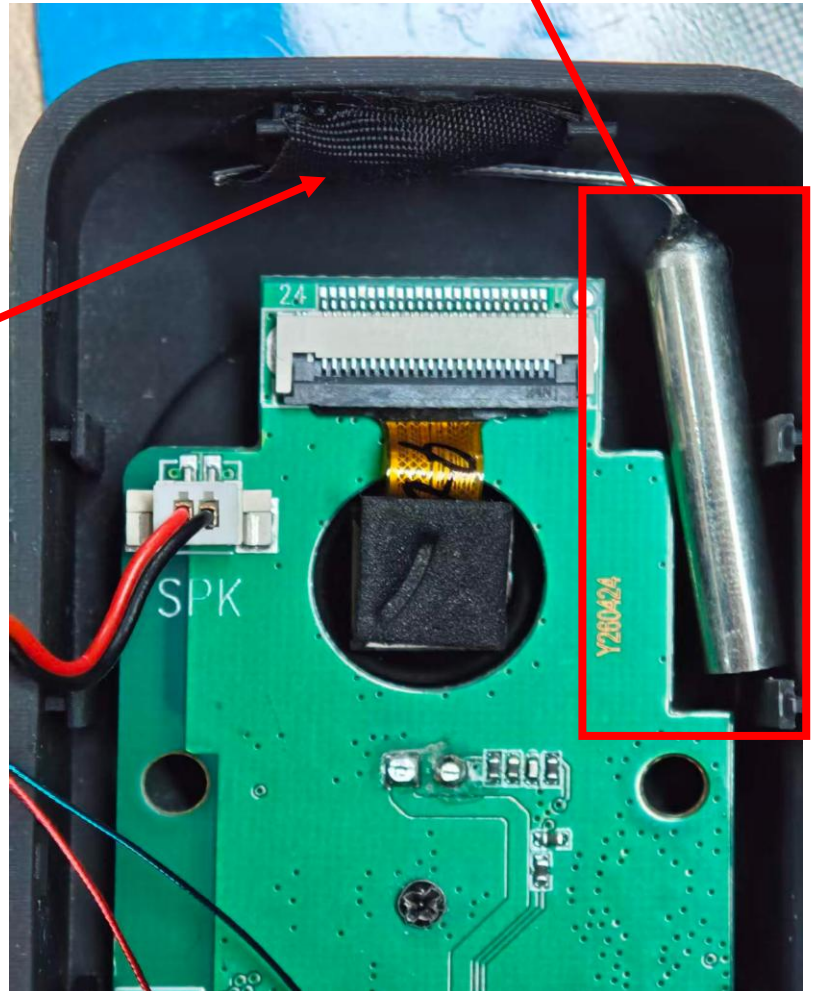


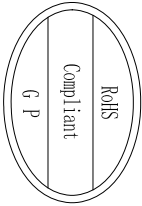
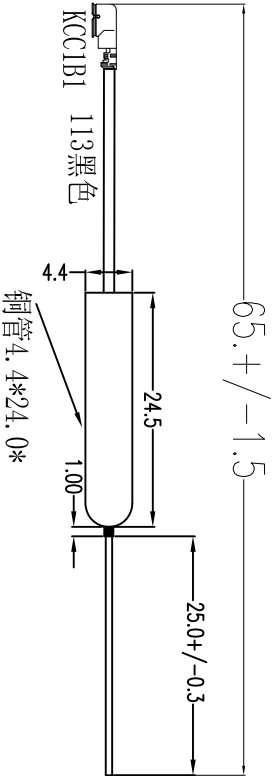
2500.000MHz E2



天线安装方式Antenna
installation method:

线材出线方式Wire
routing method:





1	2	3	4	5	6	7	8
A				A			
B				B			
C				C			
D				D			
Rev				Rev			
A				A			
New drawing				New drawing			
Description				Description			
Date				Date			
Remark				Remark			
1				1			
2				2			
3				3			
4				4			
5				5			
6				6			
7				7			
8				8			

Third Angle		Project		AL11		Date		2023-11-25	
0~10	± 0.05	$\bigcirc$	0.02	Part Name		Designed by			
10~18	± 0.10	$\odot$	$\varnothing 0.03$	Part No.		Checked by		MD	
18~30	± 0.12	$\perp$	0.02	Material		RF			
30~40	± 0.15	$\angle$	0.04	DWG No.		Approved by			
40~	± 0.20	Angle	$\pm 0.5^\circ$	LJF02-26040821-R0A		Unit		mm	
Scale		1:1		Rev		A			

深圳市乐进射频科技有限公司