



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: 艾莱卡

Product Name: P12A

Product Model: LJF02-26011921-R0A

Part Number:

Write By : 彭斯琪

Issued Date: 2026/1/19

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
		Siq_P	数字签名者 : Siq_P DN : cn=Siq_P, o=LeJin_RF, ou=R&D, email=3141953237@qq.com, c=<无 日期 : 2026.01.19 15:07:38 +08'00'	

ECN/ECR			



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Electrical Characteristics

Frequency	VSWR	Efficiency	Impedance	Polarization	Gain
2400 MHz ~2500 MHz	<1.5	>35%	50 Ohm	Linear	≥ 0 DB

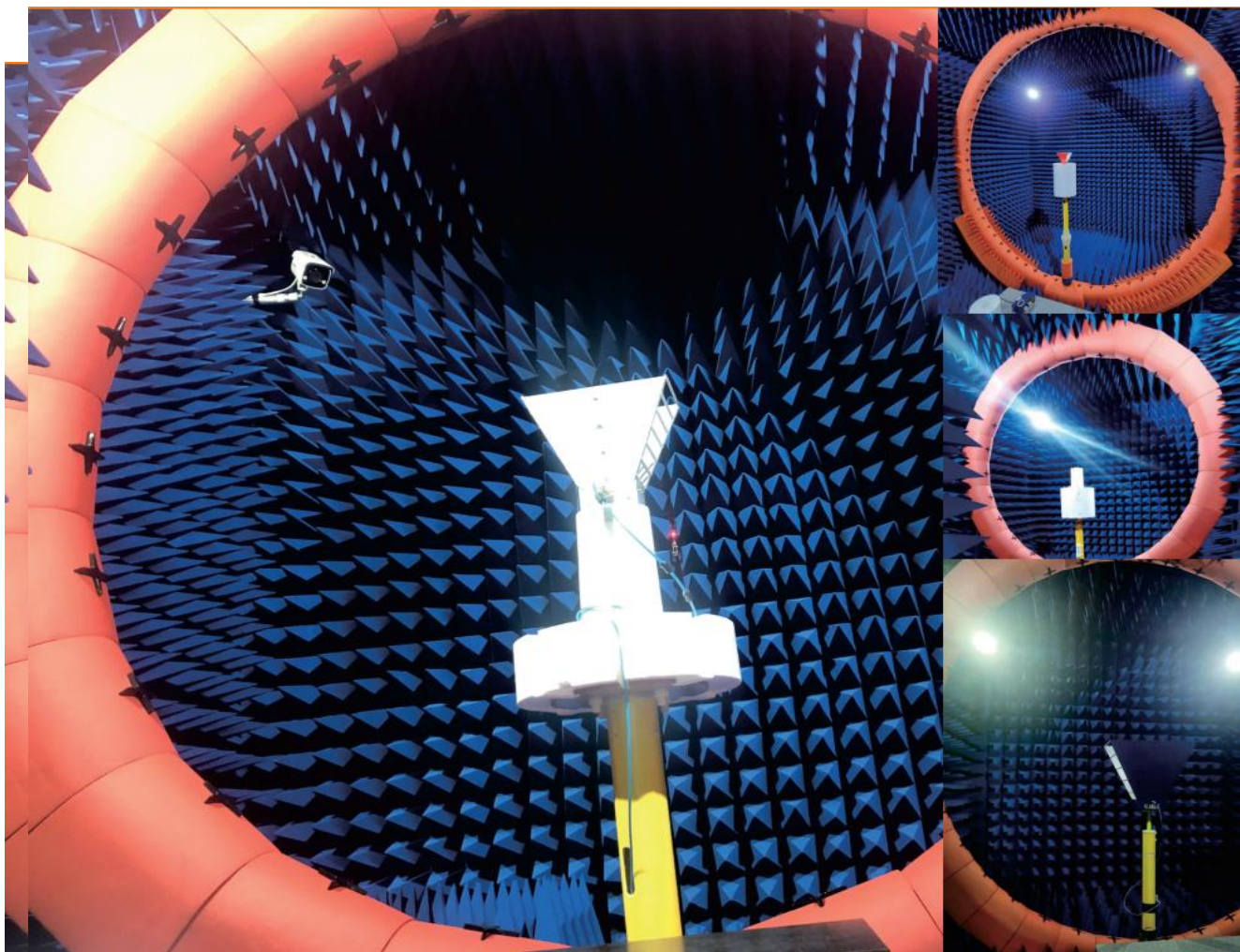
Material & Mechanical Characteristics

Environmental

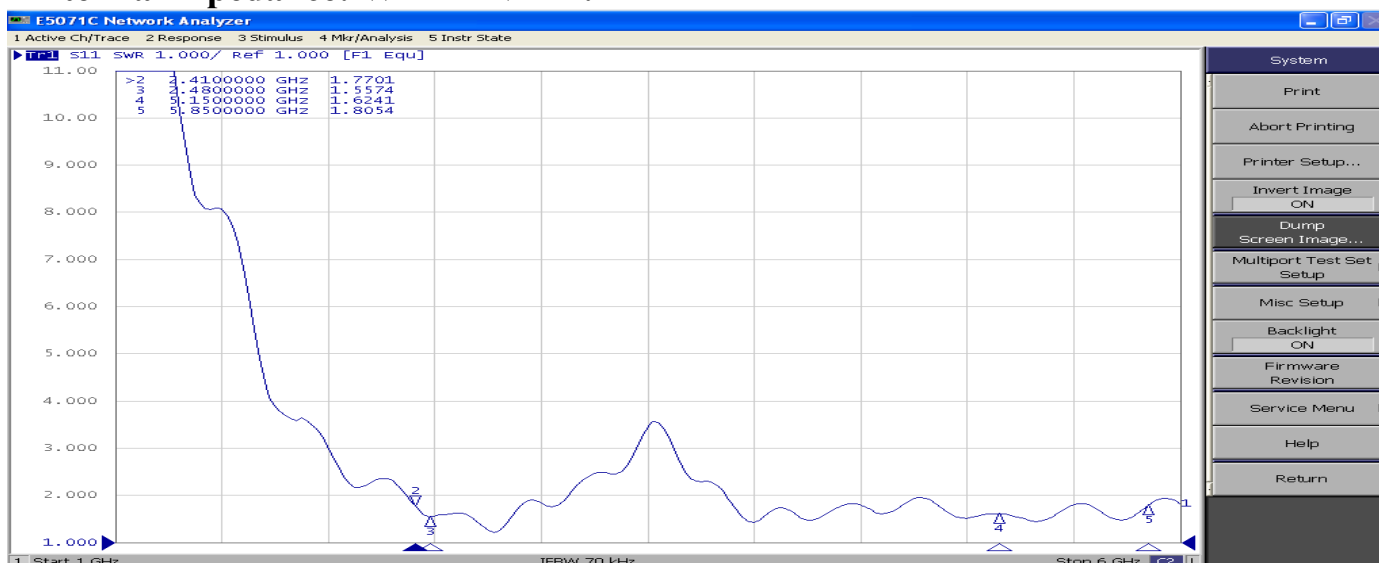
Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
BL	113B-80	1.13-1		- 20 °C ~ + 50 °C	- 30 °C ~ + 80 °C

Test Equipment & Conditions

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

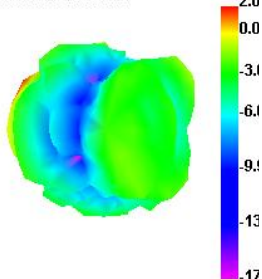


Antenna Impedance: WIFI ANT M:

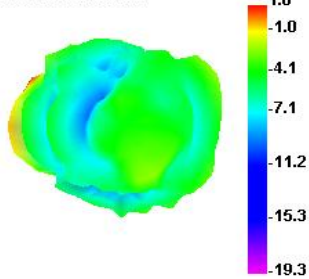


2.4G (Wifi/BT)	Freq (MHz)	2400	2410	2420	2430	2450	2460	2470	2480	2490	2500	ANTM
	Effi (%)	41.5	36.35	41.85	41.89	38.81	33.41	37.81	33.37	37.02	39.08	
	Gain (dBi)	2.18	1.07	2.35	2.11	1.69	1.04	1.47	1.05	1.83	2.54	

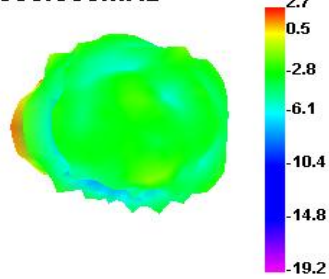
2400.000MHz



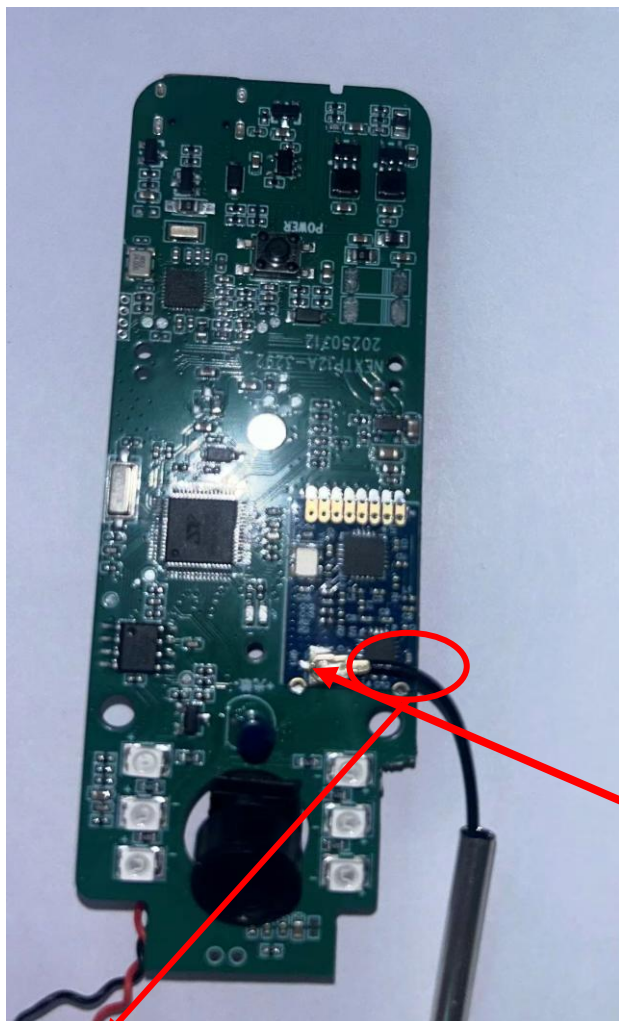
2450.000MHz



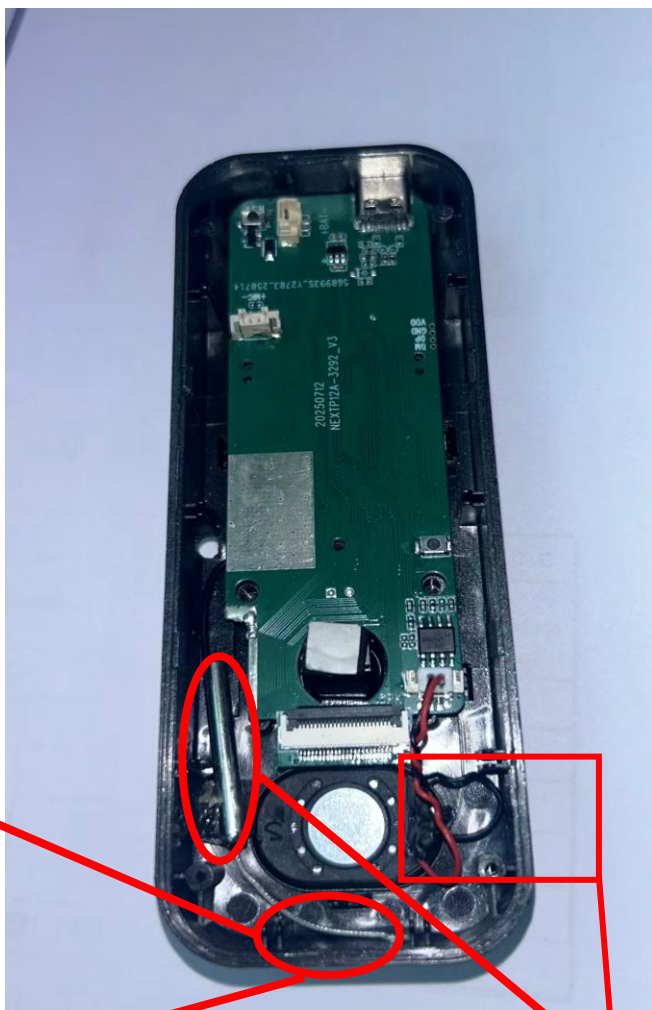
2500.000MHz



天线安装 (请按规格书要求安装天线)



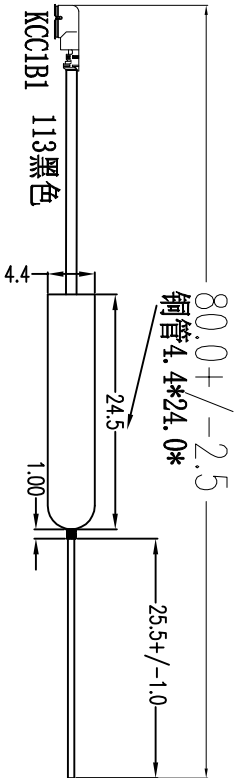
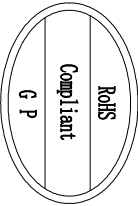
绕过打孔位置 安装时不要压到天线



安装时注意天线不要被后盖压到

此处固定铜管

注意喇叭出线方向



1		2		3		4		5		6		7		8																																																																	
RoHS Compliant G P																																																																															
KCC1B1 113黑色 80.0+/-2.5 铜管4.4*24.0* 24.5 25.5+/-1.0 4.4 1.00 <tr><td colspan="16"> Third Angle Project 艾莱卡 Date 2026-1-19 Part Name 2.4G ANT Designed by Part No. P12A Checked by MD Material DWG No. LJF02-26011921-R0 Approved by RF Unit mm Scale 1:1 Rev A <tr><td colspan="16"> 0~10 ±0.05 ○ 0.02 10~18 ±0.10 ◎ φ0.03 18~30 ±0.12 ┴ 0.02 30~40 ±0.15 ∇ 0.04 40~ ±0.20 Angle ±0.5° <tr><td colspan="16"> Rev 1 Description 2 Date 4 Remark 5 6 7 8 <tr><td colspan="16"> New drawing A </td></tr></td></tr></td></tr></td></tr>																Third Angle Project 艾莱卡 Date 2026-1-19 Part Name 2.4G ANT Designed by Part No. P12A Checked by MD Material DWG No. LJF02-26011921-R0 Approved by RF Unit mm Scale 1:1 Rev A <tr><td colspan="16"> 0~10 ±0.05 ○ 0.02 10~18 ±0.10 ◎ φ0.03 18~30 ±0.12 ┴ 0.02 30~40 ±0.15 ∇ 0.04 40~ ±0.20 Angle ±0.5° <tr><td colspan="16"> Rev 1 Description 2 Date 4 Remark 5 6 7 8 <tr><td colspan="16"> New drawing A </td></tr></td></tr></td></tr>																0~10 ±0.05 ○ 0.02 10~18 ±0.10 ◎ φ0.03 18~30 ±0.12 ┴ 0.02 30~40 ±0.15 ∇ 0.04 40~ ±0.20 Angle ±0.5° <tr><td colspan="16"> Rev 1 Description 2 Date 4 Remark 5 6 7 8 <tr><td colspan="16"> New drawing A </td></tr></td></tr>																Rev 1 Description 2 Date 4 Remark 5 6 7 8 <tr><td colspan="16"> New drawing A </td></tr>																New drawing A															
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