



SPECIFICATIONS FOR APPROVAL

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: ELC

Product Name: LJF02-26040202B-R0A

Product Model: V3 AMP BT ANT

Part Number:

Write By : 李明进

Issued Date: 2026/4/30

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: 2026.05.06 17:57:38 +08'00'

ECN/ECR			



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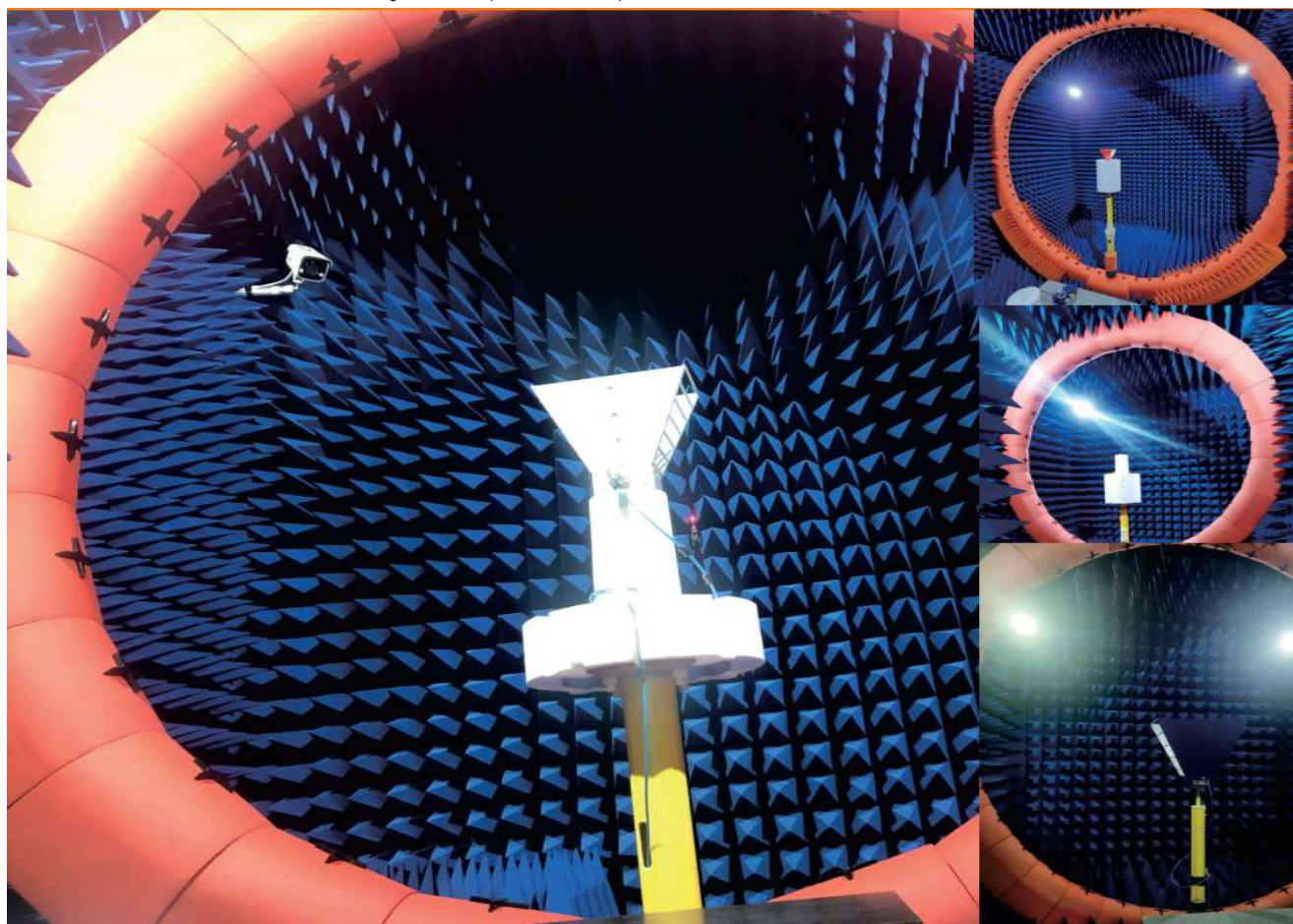
- 1、 (Cover)
- 2、 (Index)
- 3、 (Product Specification)
- 4、 (Test Equipment & Conditions)
- 5、 (Test Report)
- 6、 (Antenna Picture)

Summary of the basic data of the antenna:

Electrical Characteristics					
Frequency	VSWR	Efficiency	Impedance	Polarization	Gain
2400 MHz ~2500 MHz	<1.5	>40%	50 Ohm	Linear	$\geq 2.6\text{DB}$
5100MHz ~5900 MHz	<2.0	>45%	50 Ohm	Linear	$\geq 5.0\text{DB}$
5900MHz ~7125 MHz	NA				
Material & Mechanical Characteristics				Environmental	
Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
BL	1.13 GRAY	KCC1B1		- 20 °C ~ + 50 °C	- 30 °C ~ + 80 °C

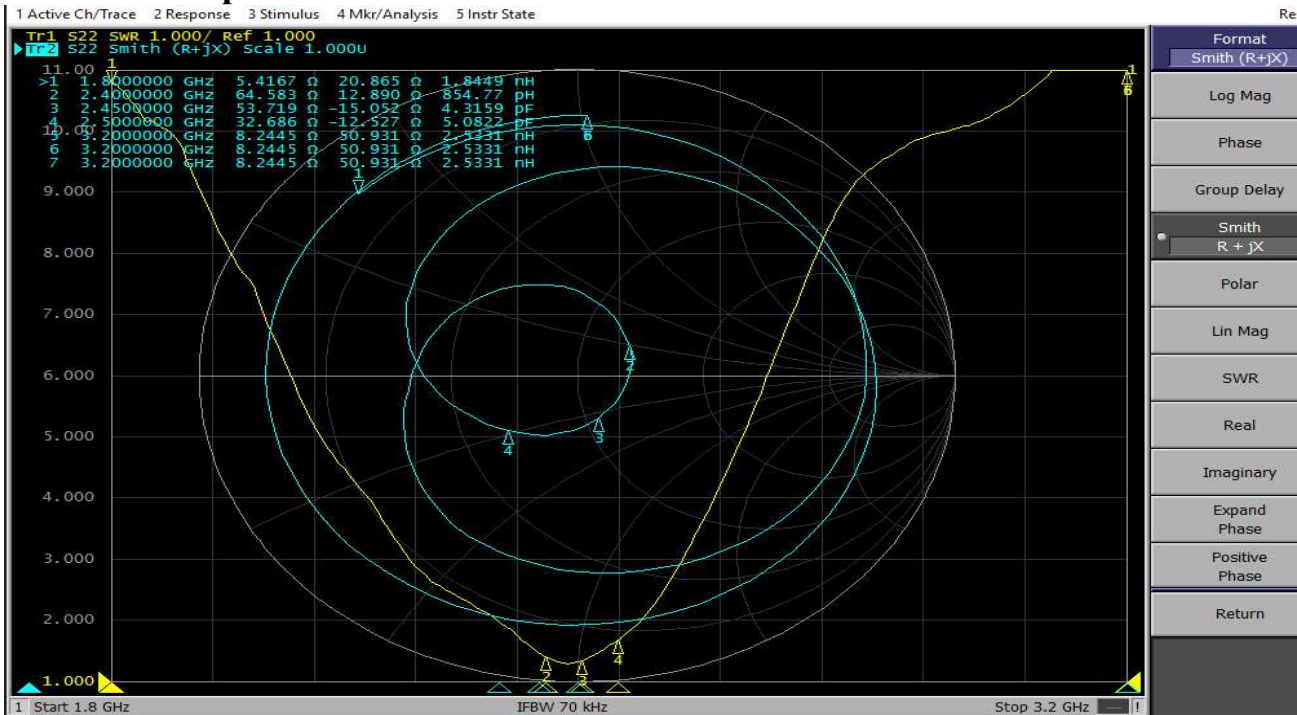
Test Equipment & Conditions

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



Detailed data of antenna:

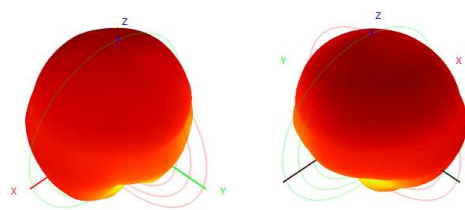
Antenna S11 parameters:



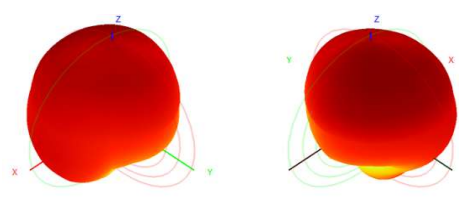
Antenna efficiency:

	Freq	(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	
2.4G (Wifi/BT)	Effi	(%)	37.98	36.88	35.38	35.06	35.37	35.36	35.64	35.05	34.55	
	Gain	(dBi)	1.68	1.52	1.49	1.49	1.36	1.32	1.52	1.68	1.80	

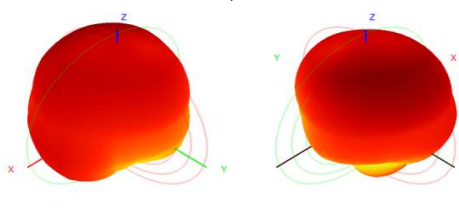
2400.0MHz H+V, Eff: 37.98%



2450.0MHz H+V, Eff: 35.36%



2480.0MHz H+V, Eff: 34.5%

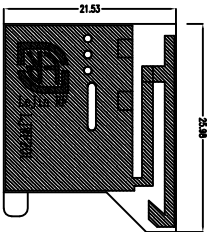
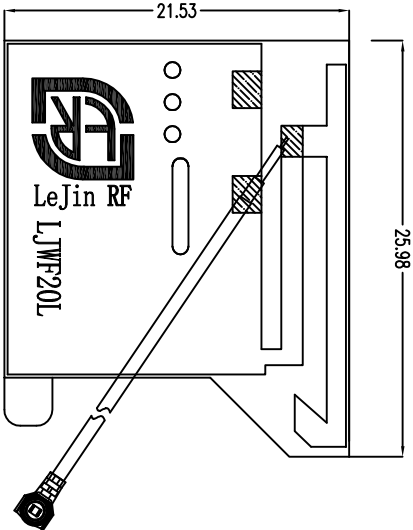
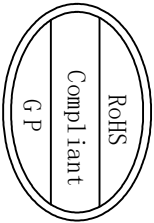


Antenna Installation:



Drawing: (Please refer to the ANT0 Antenna Specification Sheet for detailed antenna port definition)

A



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135.0+/-3.5



113-1代 (D) 113_White 1.8-1.8-1.0



深圳乐进射频科技有限公司
SHEN ZHEN LEJIN RADIO FREQUENCY CO., LTD

Project V3AMP ANT BT Date 2026-04-02

Part Name Part No. Checked by MD

Material LJF01-18091801-R0A RF

Location 40~ ±0.15 ±0.20 Angle ±0.5°

Treatment LJF02-26040202B-R0A

Unit mm Scale FIT Rev A

1	2	3	4	5	6	7	8
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