



SPECIFICATIONS FOR APPROVAL

All data in this report only represent the data when the sample antenna is correctly installed in the designated test object. Replacing the test object or changing the installation method and position of the antenna will render the data in the report invalid.

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: HKSP

Product Name: CAM MENL SHUANGTOU

Product Model: WIFI ANT

Part Number: LJF02-241010002-R0A

Write By : 李明进

Issued Date: 2024/10/10

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)
2.4GHZ-2.5GHZ	<1.8	>30%	50 Ohm	Linear	$\geq 0, < 2.0$
				Linear	

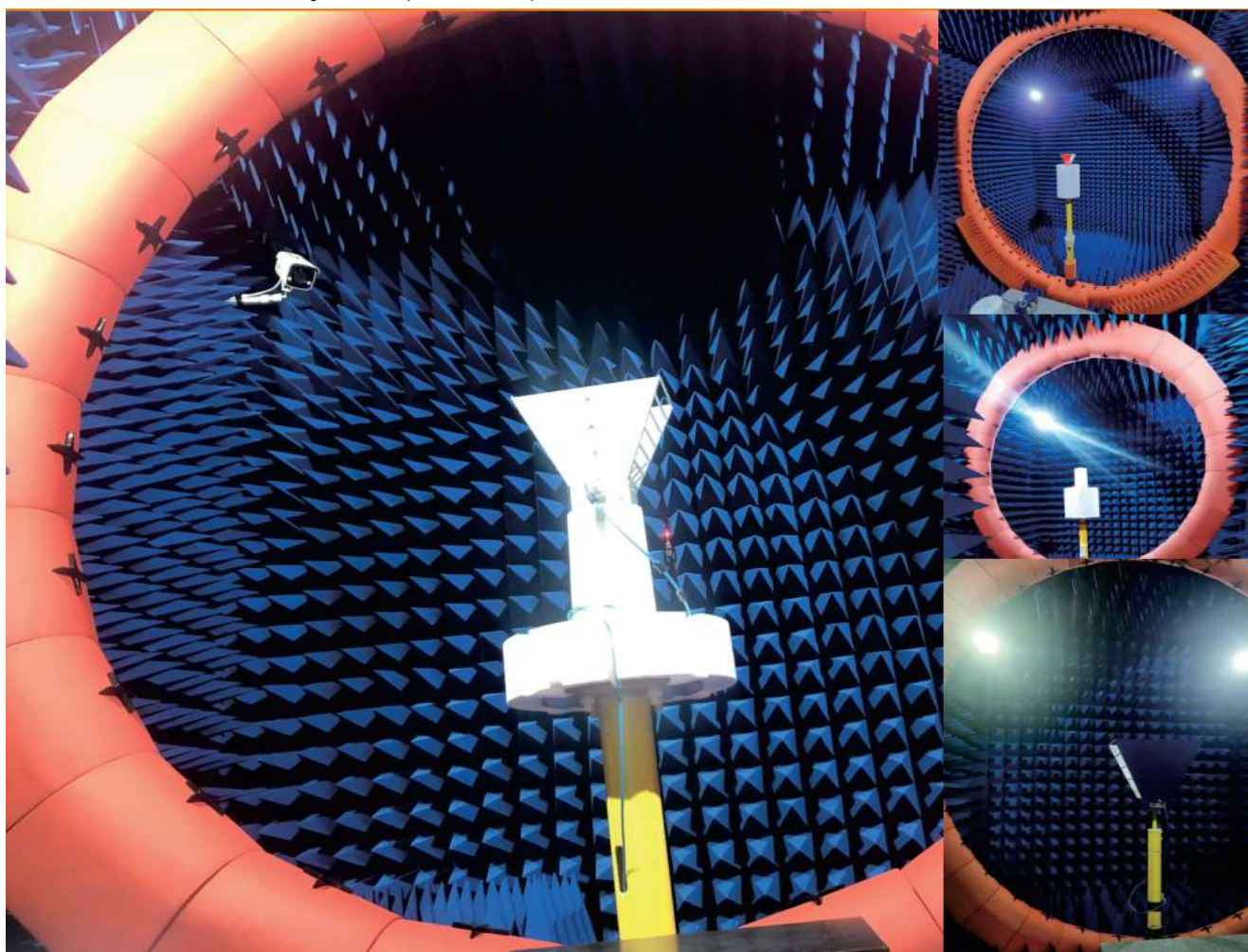
Material & Mechanical Characteristics

Environmental

Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
BL	1.131 L:130 Black	KCC1B1		- 20 °C ~ + 50 °C	- 30 °C ~ + 80 °C

Test Equipment & Conditions

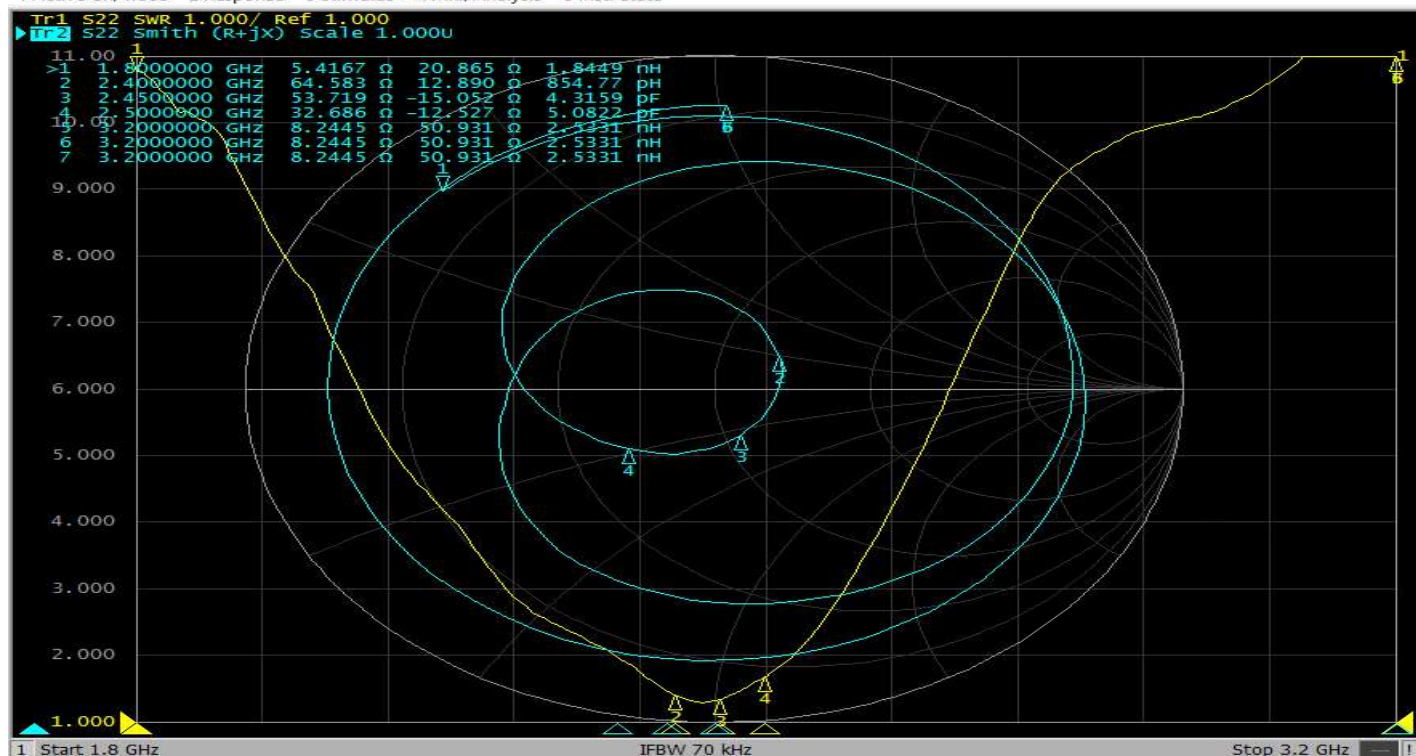
1. Network Analyzers :Agilent 5071C
2. Communications Test Set:Agilent E5515C/CMW500/AT8826
3. 3D Chamber Test System(ETS743)/STM23+1



Antenna Impedance: WIFI ANT

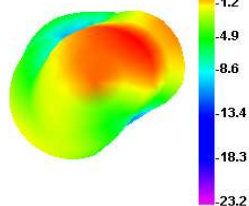
E5071C Network Analyzer

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

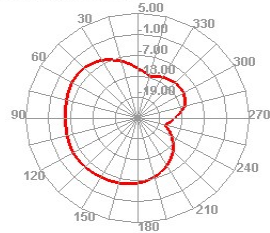


Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.21	1.09	1.43	1.23	1.07	1.13	1.03	1.44	1.32	1.18	0.89
Efficiency (%)	34.74	34.43	38.46	37.98	37.31	38.64	38.29	42.38	41.38	41.09	37.48

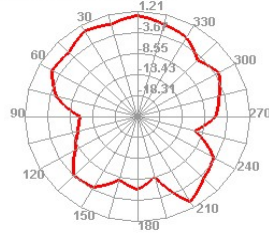
2400.000MHz



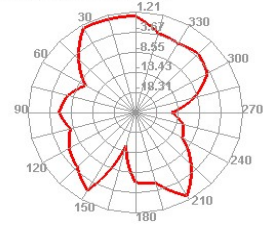
2400.000MHz H



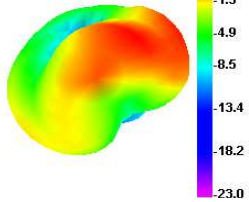
2400.000MHz E1



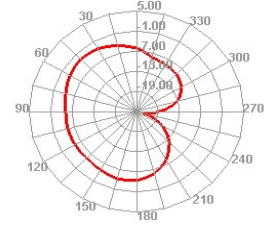
2400.000MHz E2



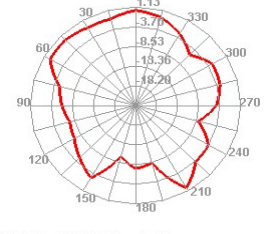
2450.000MHz



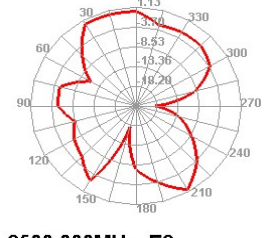
2450.000MHz H



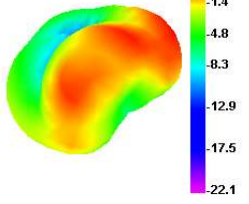
2450.000MHz E1



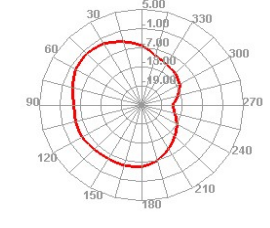
2450.000MHz E2



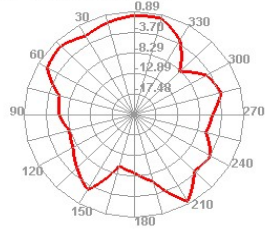
2500.000MHz



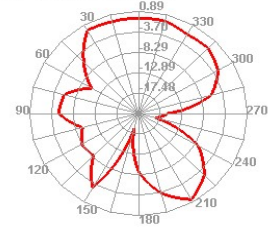
2500.000MHz H



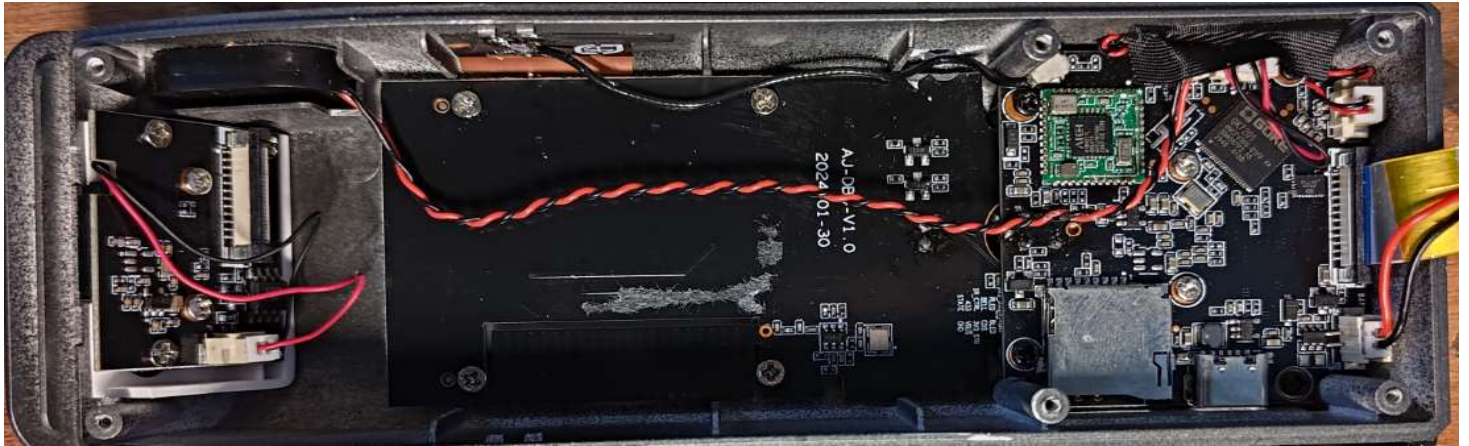
2500.000MHz E1



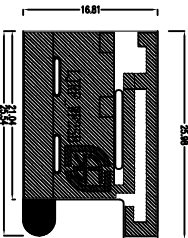
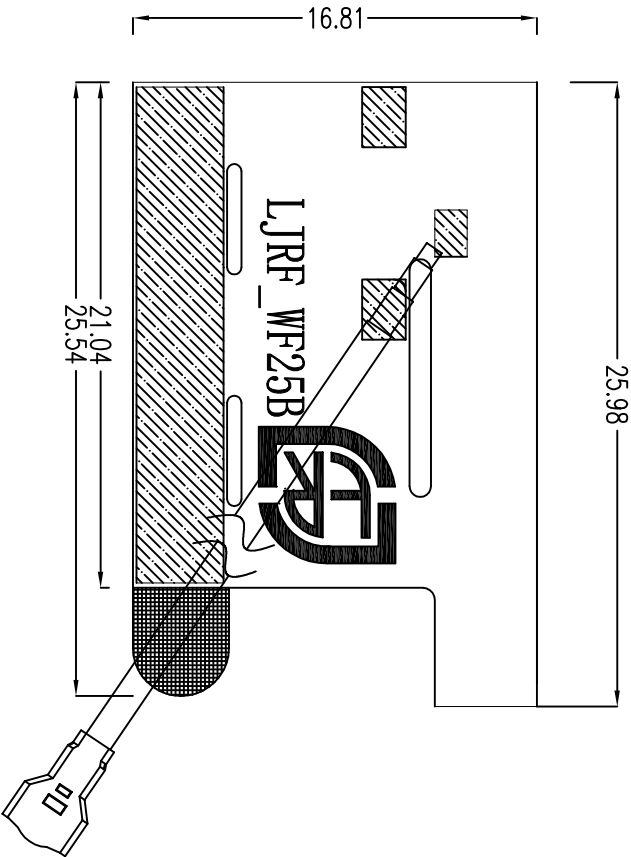
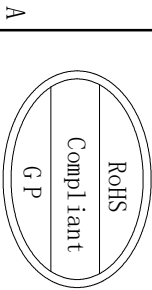
2500.000MHz E2



Antenna installation method



天线工程图:



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



Project			Date			2024-10-10		
CAM			Designed by					
WIFI_MAIN			Checked by					
Material			MD					
LJF01-19042701A-R0A			RF					
Treatment			Approved by					
LJF01-241010002-R0A			Unit					
			mm					
			Scale					
			FIT					
			Rev					
			A					