



SPECIFICATIONS FOR APPROVAL

Customer Name: 世野

Product Name: WIFI (2G+5G+WIFI6)_A_ANT

Product Model: vim4

Part Number: LJF02-211206001A-R0A

Write By : 李明进

Issued Date: 2021/12/2

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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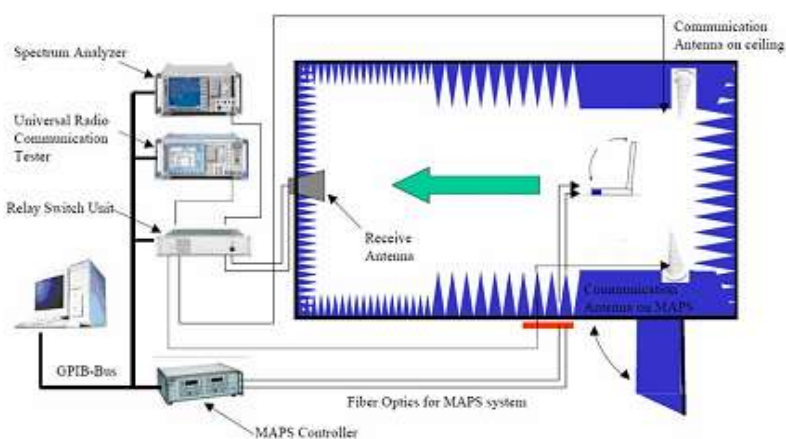
Electrical Characteristics

Frequency	VSWR	Efficiency	Impedance	Polarization	Gain
2400 MHz ~2500 MHz	<2	>25%	50 Ohm	Linear	≥ 1 DB
5100MHZ--5900 MHZ	<2.5	>20%	50 Ohm	Linear	≥ 1 DB

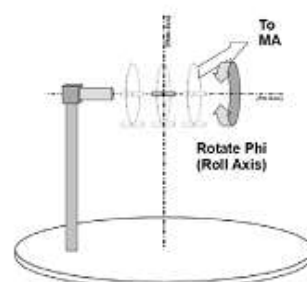
Material & Mechanical Characteristics				Environmental	
Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
FR4_0.6双面亚黑	81	4		- 20 °C ~ + 50 °C	- 30 °C ~ + 80 °C

Test Equipment & Conditions

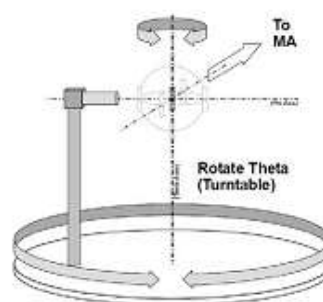
1. Network Analyzers :Agilent 8753SE 5071C
2. Communications Test Set:Agilent E5515C/CMW500
3. 3D Chamber Test System(ETS743)



(Testing by 3D anechoic chamber)

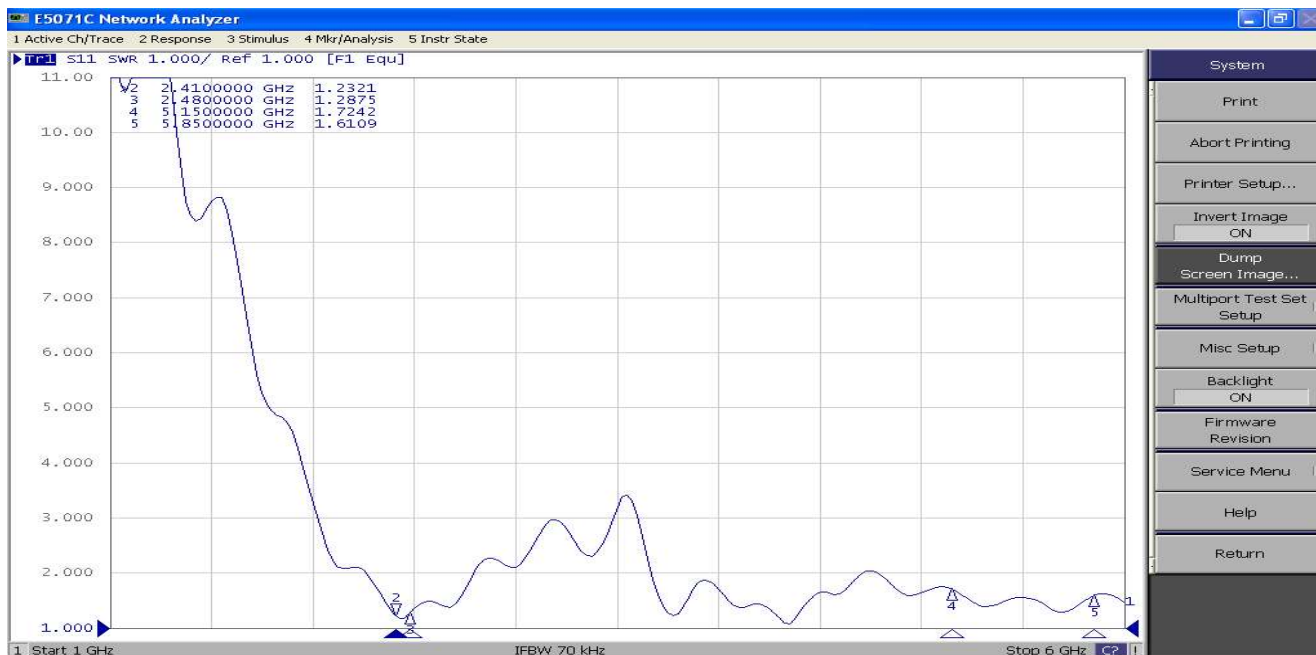


Phi axis test



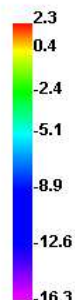
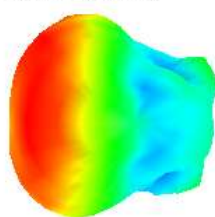
Theta axis test

Antenna Impedance: WIFI ANT M:

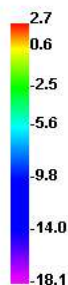
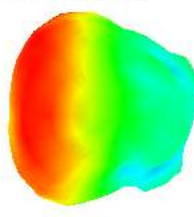


2.4G (Wifi)	Freq (MHz)	2400	2410	2420	2430	2450	2460	2470	2480	2490	2500	ANT
	Effi (%)	25.5	28.2	28.8	27.59	28.59	21.28	25.37	25.64	29.48	23.25	
	Gain (dBi)	2.36	2.25	1.99	2.75	3.45	2.25	2.99	2.89	3.25	3.12	
5G WIFI	Freq (MHz)	5150	5250	5350	5450	5550	5650	5750	5850	5950	6000	
	Effi (%)	29.98	25.27	21.23	24.5	29.98	27.25	23.36	31.27	33.26	25.58	
	Gain (dBi)	1.1	1.05	1.43	1.27	1.14	0.85	1.22	1.54	1.27	1.87	

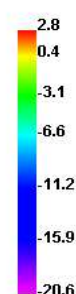
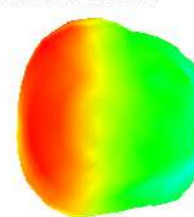
2410.000MHz



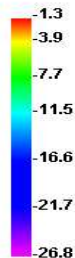
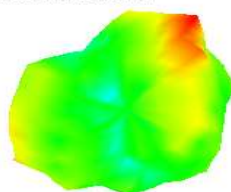
2450.000MHz



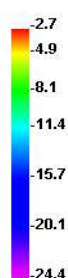
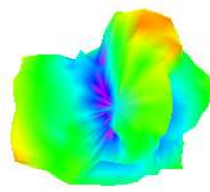
2480.000MHz



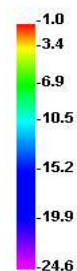
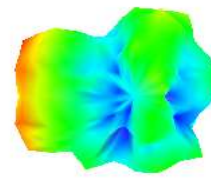
5150.000MHz



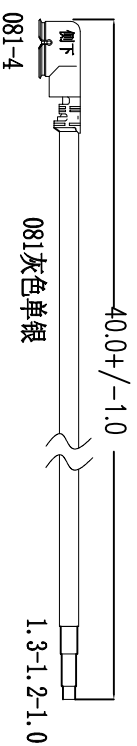
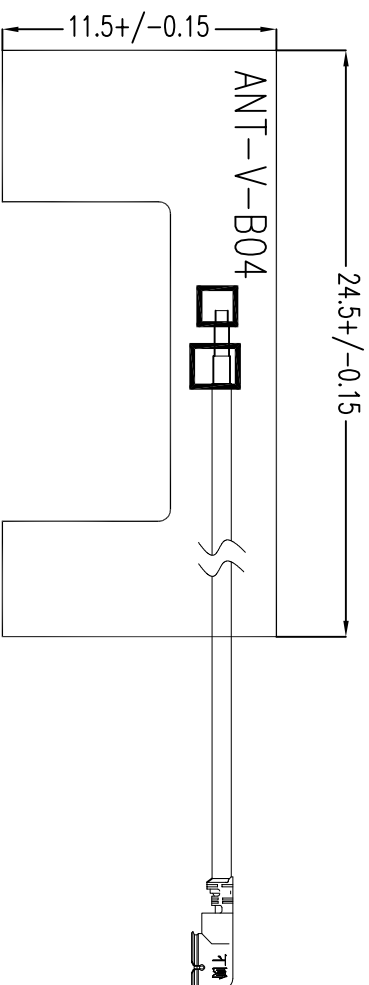
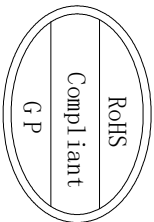
5350.000MHz



5850.000MHz



天线工程图



081-4																	
深圳乐进射频频科技有限公司 SHEN ZHEN LEJIN RADIO FREQUENCY CO., LTD																	
Third Angle 0~10 ±0.05 ○ 0.02 10~18 ±0.10 ◎ Ø0.03 18~30 ±0.12 ⊥ 0.02 30~40 ±0.15 ∠ 0.04 40~ ±0.20 Angle ±0.5° Project SY-VIM4 Date 2021-12-06 Part Name WIFI_A AIN Designed by Part No. Checked by MD Material Rf Treatment LJF02-211206001A-R0A Approved by <tr><td colspan="2">Rev</td><td>Description</td><td>Date</td><td>Remark</td><td></td></tr> <tr><td>1</td><td>2</td><td>3</td><td colspan="3">Autodesk Inventor 2021 产品制作</td></tr>						Rev		Description	Date	Remark		1	2	3	Autodesk Inventor 2021 产品制作		
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