



SPECIFICATIONS FOR APPROVAL

Customer Name:	ShiYe
Product Name:	WIFI (2G+5G+WIFI6)_A_ANT
Product Model:	ANT-V-B04
Part Number:	LJF02-211206001A-R0A
Write By :	Mingjin Li
Issued Date:	2021/12/2

CUSTOMER				
ENGINEERR&D DEPT	BUSSINESS DEPT	APPROVED BY	DATE	Edition/Part number

LEJIN				
R&D DEPT	ENGINEERR&D DEPT	APPROVAL	DATE	Edition/Part number

ECN/ECR				



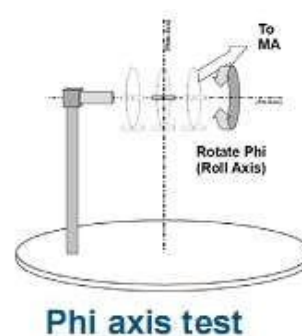
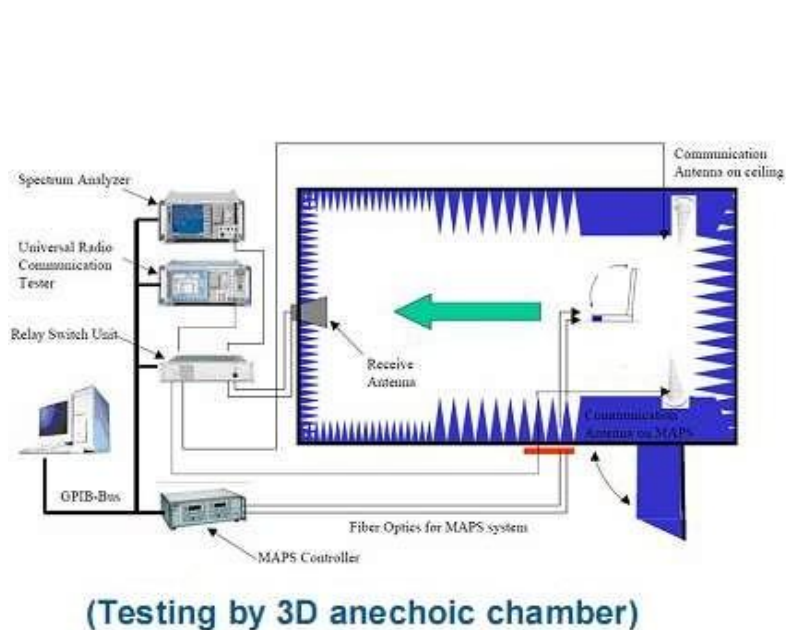
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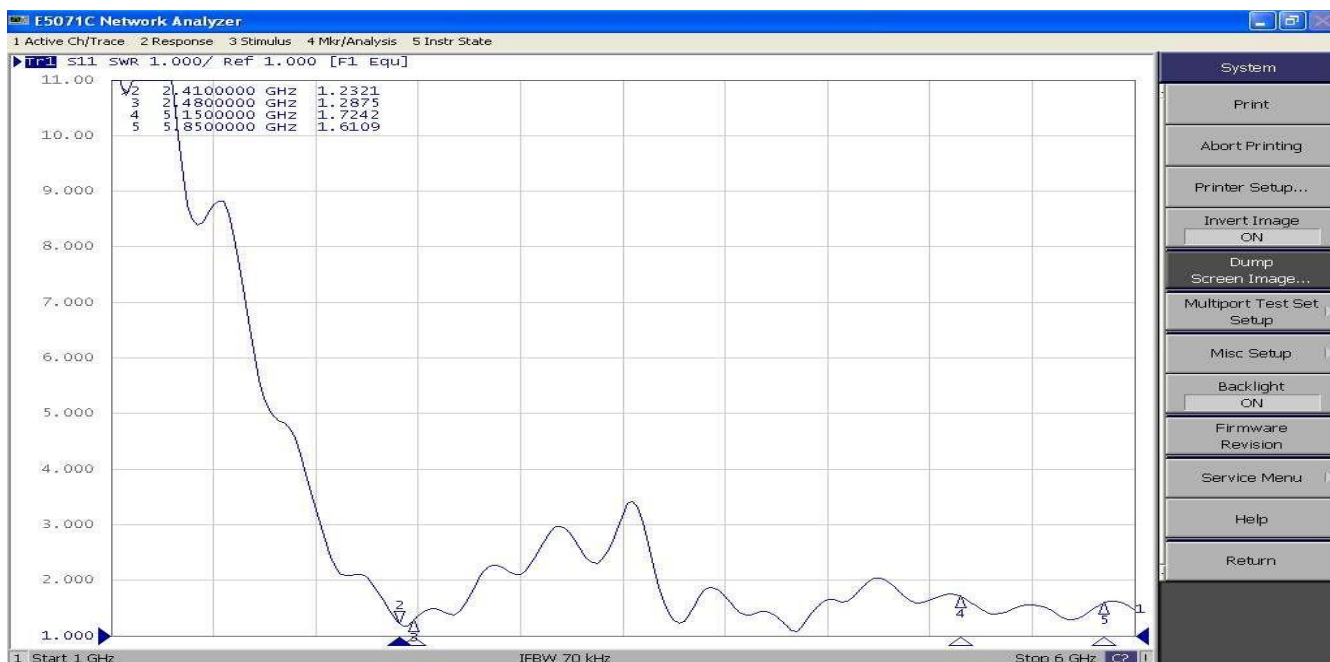
Electrical Characteristics					
Frequency	VSWR	Efficiency	Impedance	Polarization	Gain
2400 MHz ~2500 MHz	<2	>25%	50 Ohm	Linear	≥ 1 DB
5100MHZ---5900 MHZ	<2.5	>20%	50 Ohm	Linear	≥ 1 DB
Material & Mechanical Characteristics				Environmental	
Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
FR4_0.6	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)

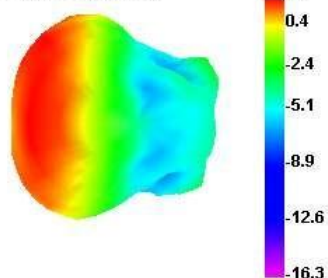


Antenna Impedance: WIFI ANT M:

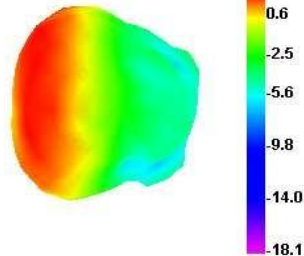


2.4G (Wifi)	Freq (MHz)	2400	2410	2420	2430	2450	2460	2470	2480	2490	2500	ANT
	Effi (%)	25.5	28.2	28.8	27.59	28.59	21.28	25.37	25.64	29.48	23.25	
	Gain (dBi)	2.36	2.25	1.99	2.75	3.45	2.25	2.99	2.89	3.25	3.12	
5G WIFI	Freq (MHz)	5150	5250	5350	5450	5550	5650	5750	5850	5950	6000	
	Effi (%)	29.98	25.27	21.23	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	

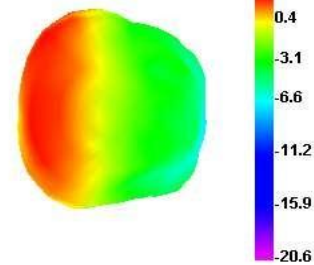
2410.000MHz



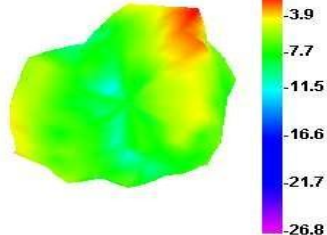
2450.000MHz



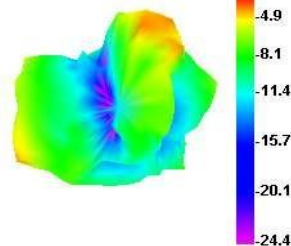
2480.000MHz



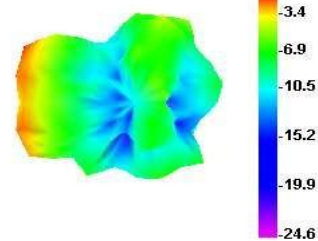
5150.000MHz



5350.000MHz



5850.000MHz



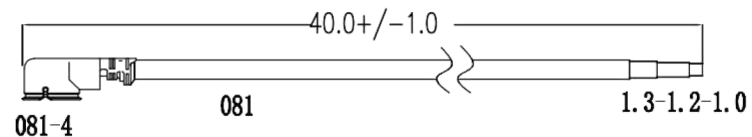
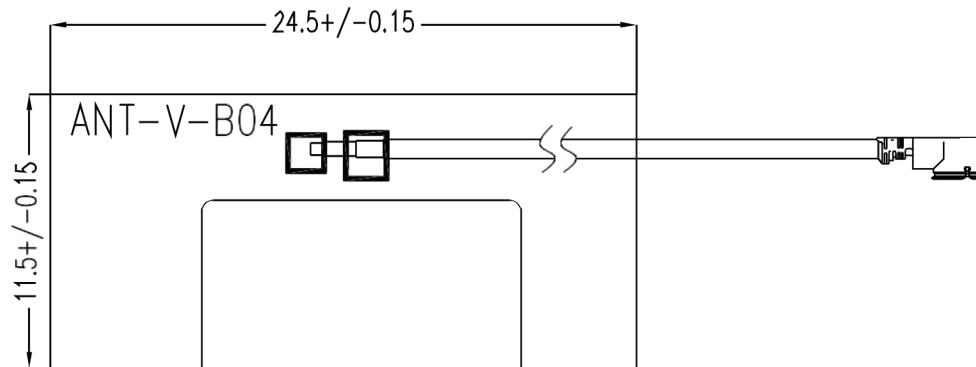


A

B

C

D



 SHEN ZHEN LEJIN RADIO FREQUENCY CO.,LTD									
		Project		SY-VIM4		Date		2021-12-06	
0~10 ±0.05		Third Angle		Part Name		Designed by			
10~18 ±0.10		 0.02		Part No.		Checked by		MD	
18~30 ±0.12		 0.03		Material		Approved by		RF	
30~40 ±0.15		 0.02		Treatment		Unit mm		Scale	
40~ ±0.20		Angle ±0.5°				FIT		Rev	
								A	

A New drawing

Rev	Description	Date	Remark	Location					
1		2	3	4	5	6	7	8	