



SPECIFICATIONS FOR APPROVAL

Customer Name: ShiYe

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

Product Model: ANT-V-A01

Part Number: LJF02-211206001A-R0A

Write By : Mingjin Li

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				



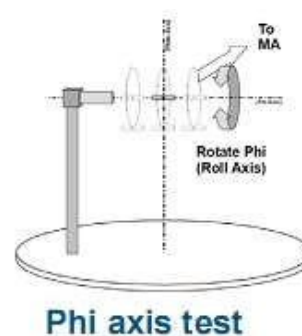
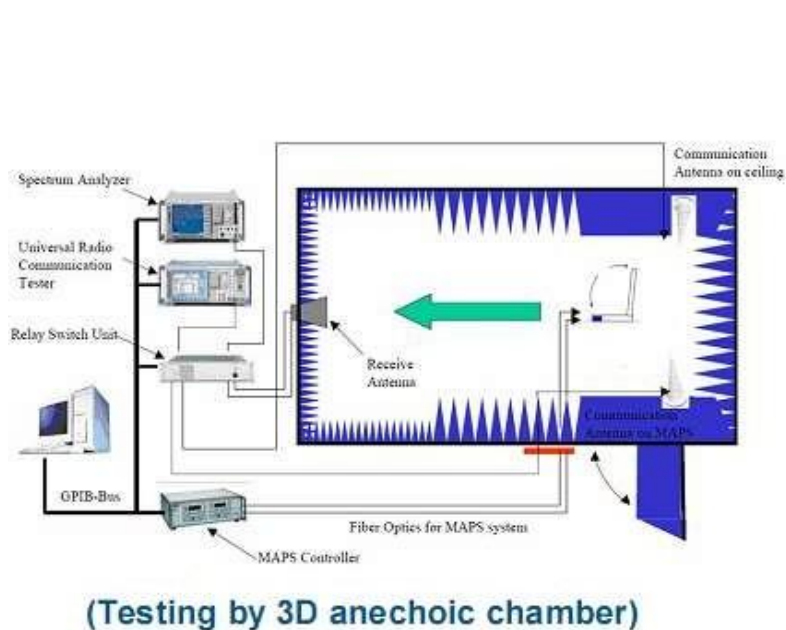
Index

- 1、 Cover
- 2、 Index
- 3、 Product Specification
- 4、 Test Equipment & Conditions
- 5、 Test Report
- 6、 Antenna Picture
- 7、 Transmission line Specification
- 8、 Product Drawing

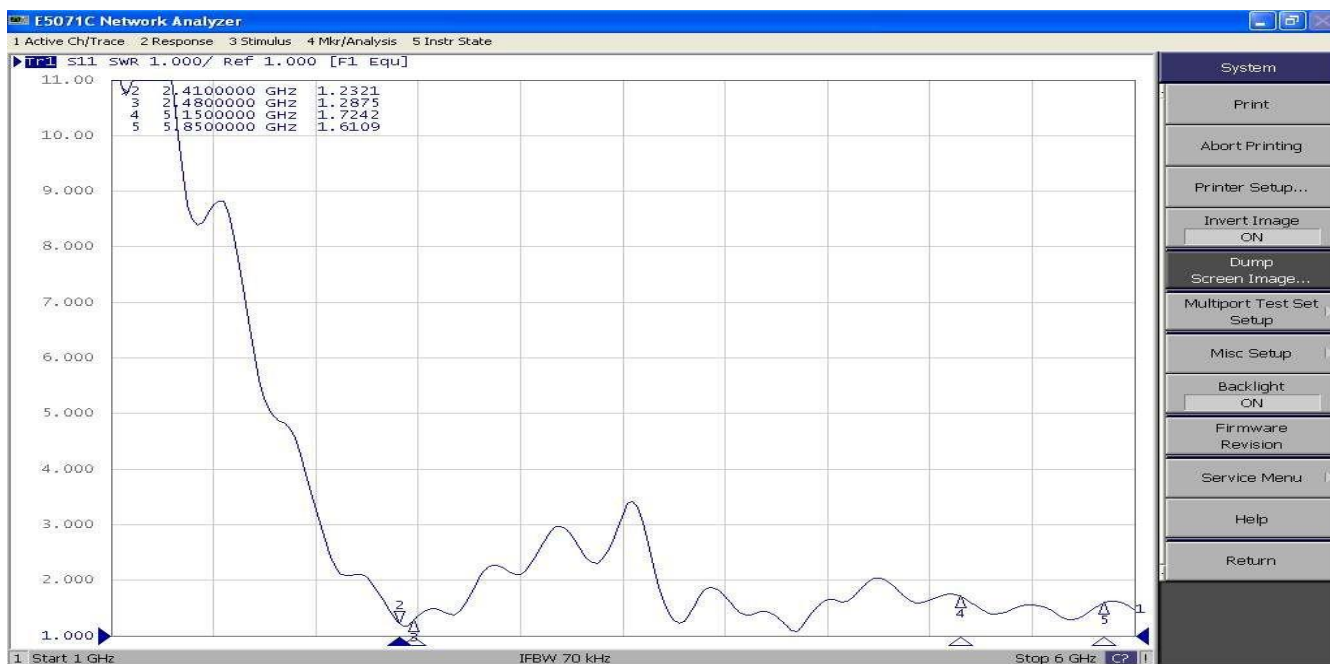
Electrical Characteristics					
Frequency	VSWR	Efficiency	Impedance	Polarization	Gain
2400 MHz ~2500 MHz	<2	>25%	50 Ohm	Linear	≥ 1 DB
5100MHZ---5900 MHZ	<2.5	>20%	50 Ohm	Linear	≥ 1 DB
Material & Mechanical Characteristics				Environmental	
Material of Radiator	Cable Type	Connector Type	Dimension	Operation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

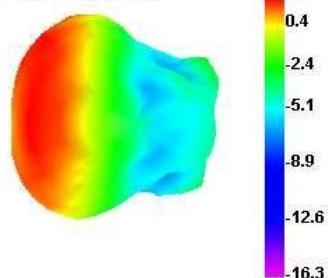


Antenna Impedance: WIFI ANT M:

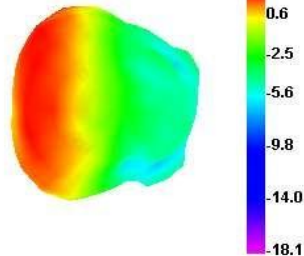


2.4G (Wifi)	Freq (MHz)	2400	2410	2420	2430	2450	2460	2470	2480	2490	2500	ANT
	Effi (%)	25.5	28.2	28.8	27.59	28.59	21.28	25.37	25.64	29.48	23.25	
	Gain (dBi)	2.36	2.25	1.99	2.75	3.45	2.25	2.99	2.89	3.25	3.12	
5G WIFI	Freq (MHz)	5150	5250	5350	5450	5550	5650	5750	5850	5950	6000	
	Effi (%)	29.98	25.27	21.23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

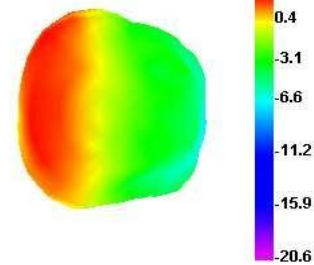
2410.000MHz



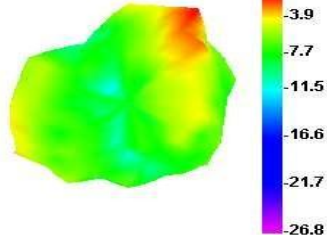
2450.000MHz



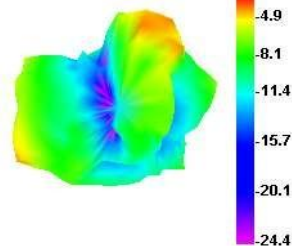
2480.000MHz



5150.000MHz



5350.000MHz



5850.000MHz

