



Shenzhen Lejin radio frequency technology Co., LTD

Customer Name: ZW

Product Name: WIFI 2G and BT ANT

Product Model: NG14S

Part Number: LJF02-221025002-R0A

Write By : Star_Li

Issued Date: 2022/10/25

CUSTOMER			
ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY	DATE

LEJIN			
R&D DEPT	ENGINEER R&D DEPT	APPROVAL	DATE

ECN/ECR			



Index

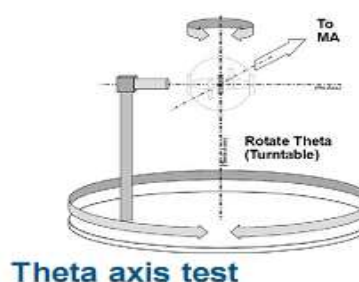
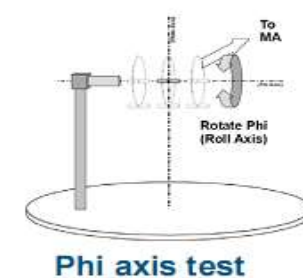
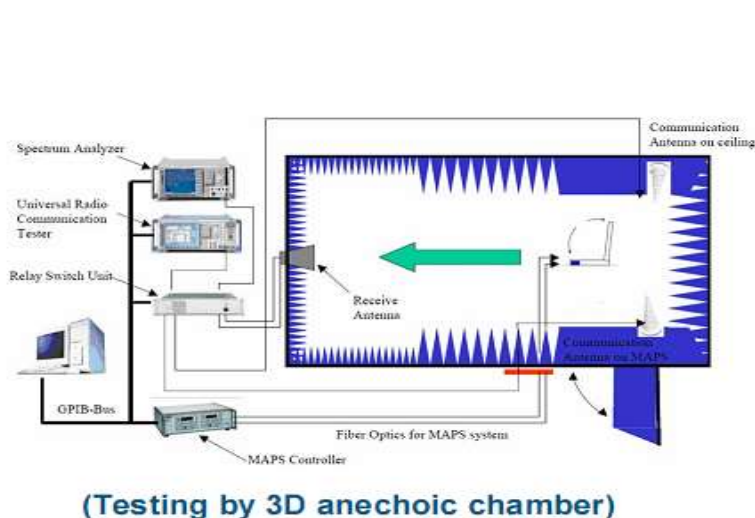
- 1、 Cover
- 2、 Index
- 3、 Product Specification
- 4、 Test Equipment & Conditions
- 5、 Test Repor
- 6、 Antenna Picture
- 7、 Product Drawing



Electrical Characteristics					
Frequency	VSWR	Efficiency	Impedance	Polarization	Gain
2400 MHz ~2500 MHz	<2	>30%	50 Ohm	Linear	≥1 DB
5100MHZ--5900 MHZ	NA	NA			
Material & Mechanical Characteristics				Environmental	
Material of Radiator	Cable Type	Connector Type	Dimension	Operation Temperature	Storage Temperature
FPC black/YELLOW	1.13	KCC1B1		- 20 °C ~ + 50 °C	- 30 °C ~ + 80 °C

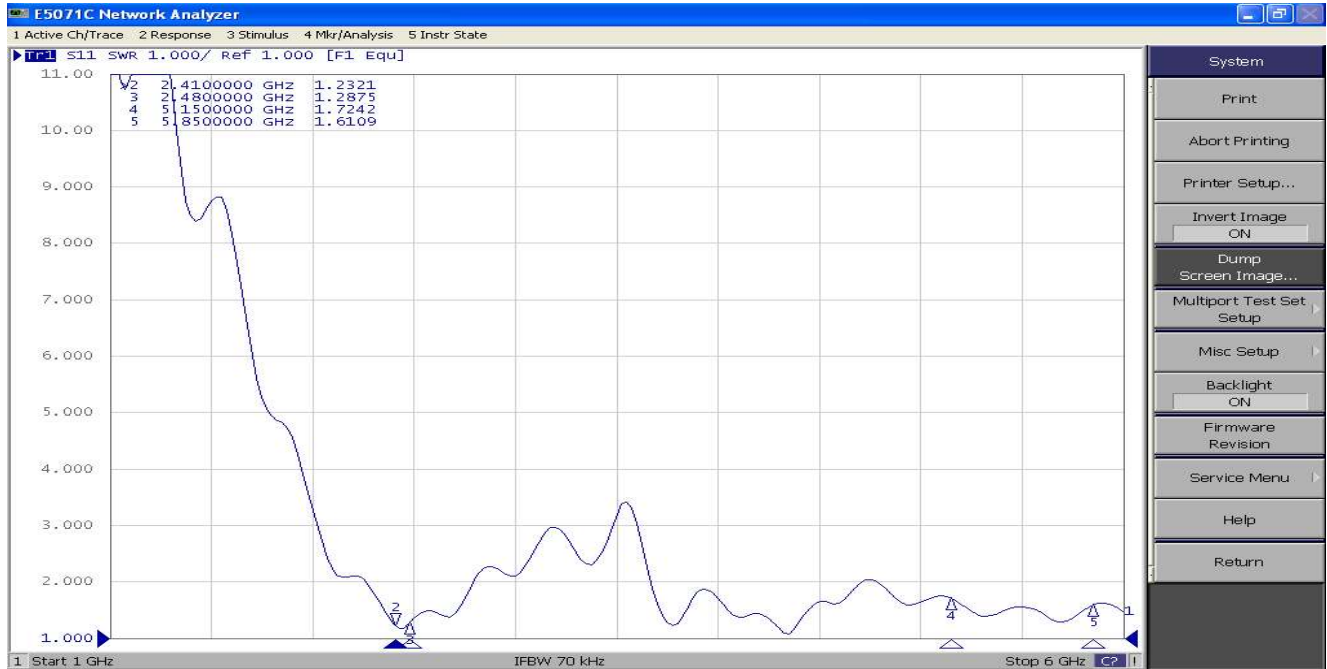
Test Equipment & Conditions

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



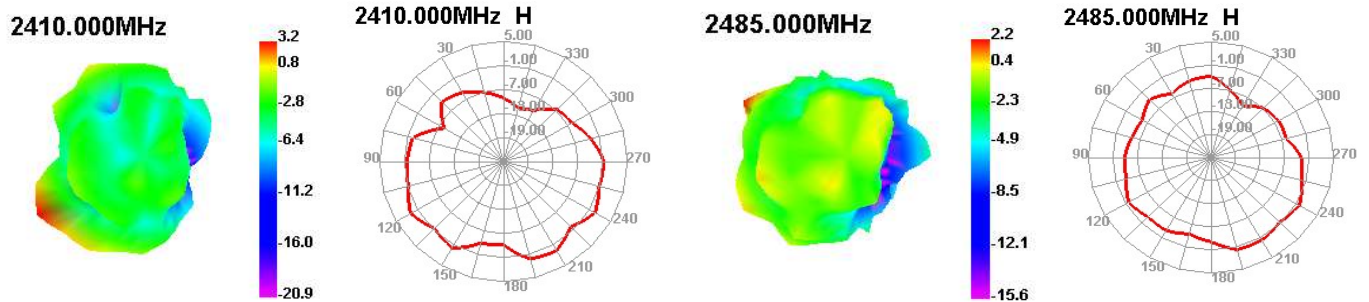


Antenna Impedance: WIFI:



Passive Test

Freq(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490
Effi(%)	41.57	43.7	40.95	43.55	44.78	48.51	42.18	44.22	43.78	46.74
Gain(dBi)	2.77	2.94	2.15	2.87	2.95	3.12	2.18	2.33	2.12	2.17



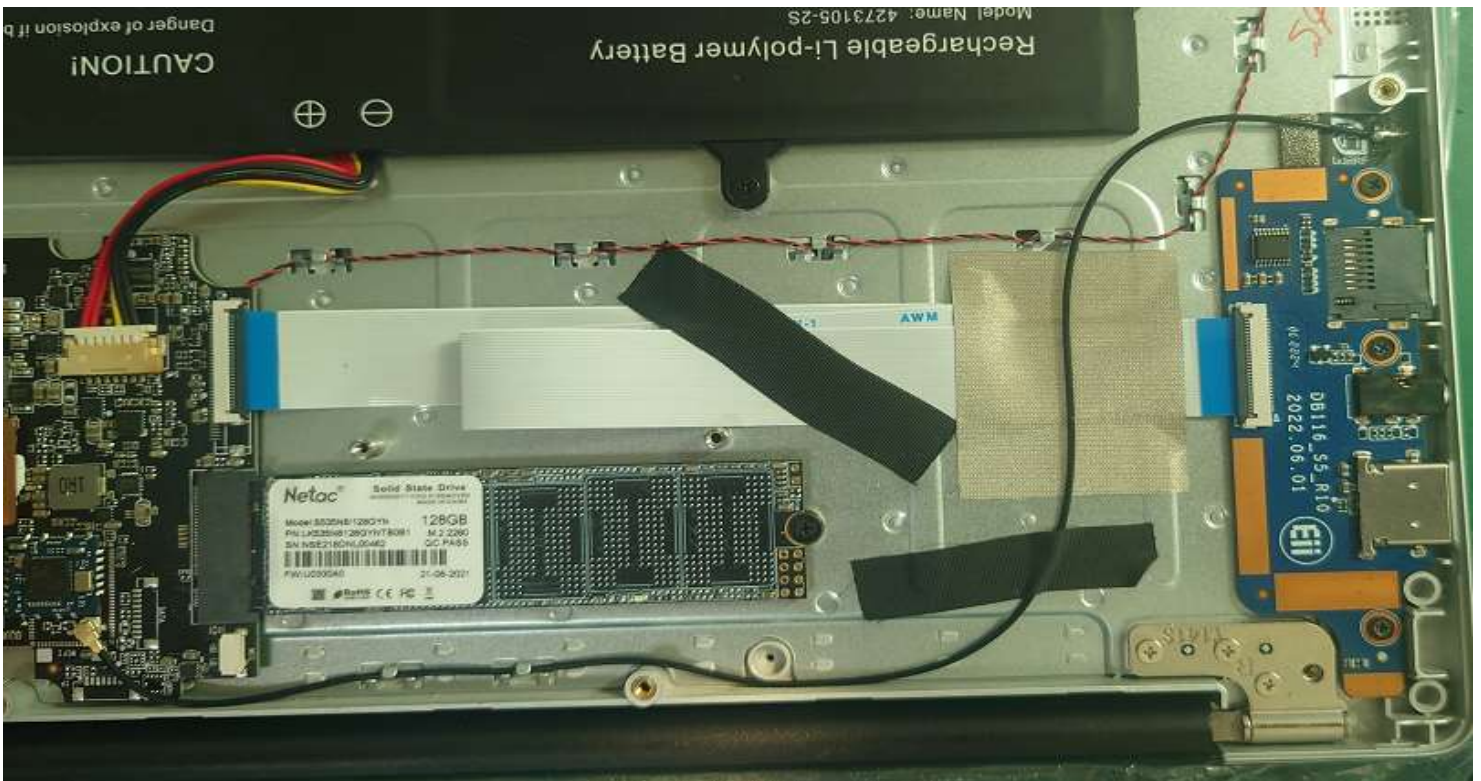
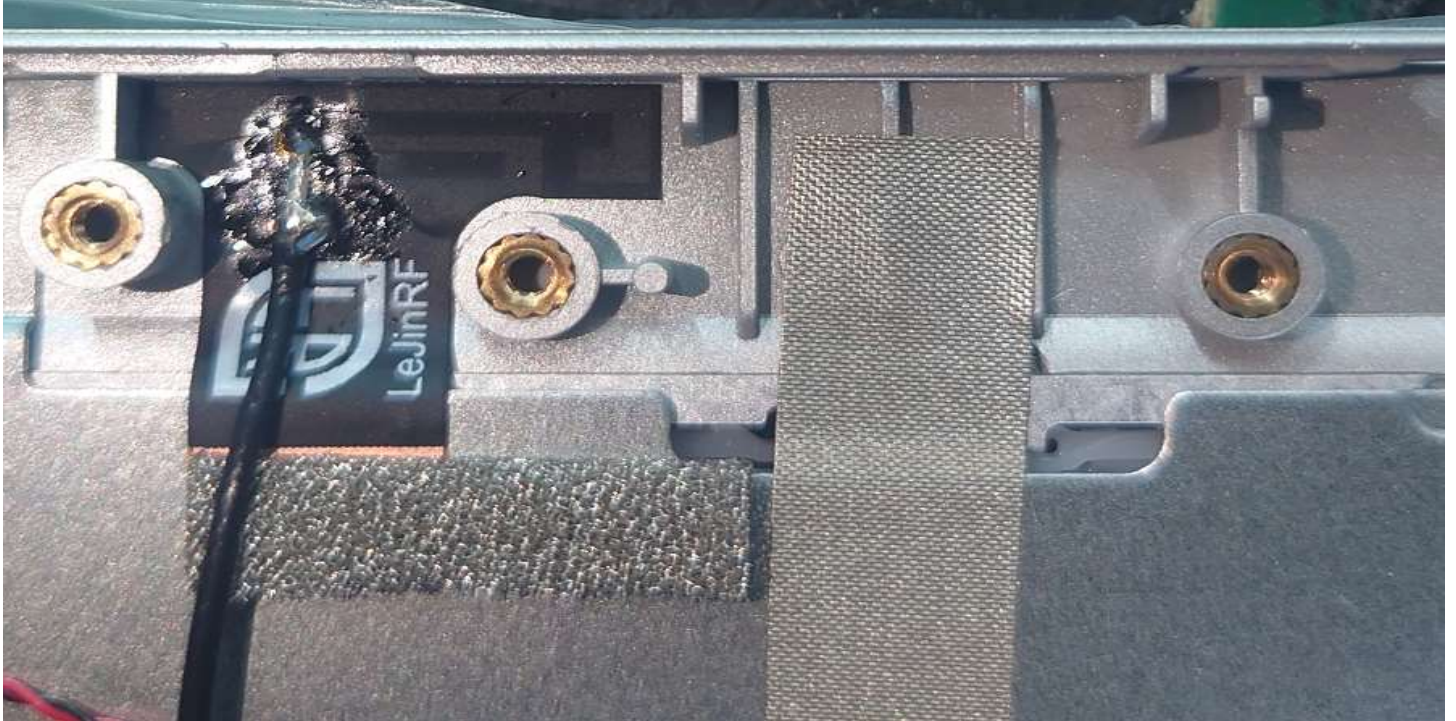
OTD_DATA:(The following OTDs_ DATA is obtained from the antenna test in this specification.
Replace the antenna or change the installation mode of the antenna. The following OTD_ DATA will become invalid)

2.4G WIFI	802.11.B @11Mbit	CH	TRP(d Bm)	TIS(d Bm)
		1 (2412MHz)	15.45	-77.75
		6 (2437MHz)	14.88	-78.05
		13 (2472MHz)	15.69	-79.07



Shenzhen Lejin radio frequency technology Co., LTD

Antenna installation method:



Antenna drawing:

