

Antenna test report

Customer	Moon expansion		
Entry Name	WIFI FPC Antenna		
Product Model	V3155	Frequency Band	2.4G, 5G
Antenna Type	FPC antenna	Test Type	passive
Test	the Huanghe River	Date	2024/09/09
CP/PN	Jaems 13058103626	Test companies	Shenzhen Anwei Wireless Technology Co., LTD

catalogue

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Antenna parameters (Ant Parameter)	WiFi FPC Antenna
Frequency	2400-2500MHz
Impedance (Impedance)	50Ω
Standing Polly (V.S.W.R.)	≤2
Gain (Peak)	5.03dBi
Efficiency (Efficiency)	70%
Polarization (Polarization)	Line polarization Linear polarization
Direction (Antenna direction)	Omni-directional antenna Omnidirectional ant
Antenna type (Antenna Material)	FPC
Connection type (Cable Type)	The total length of the coaxial line L for one end is 60MM

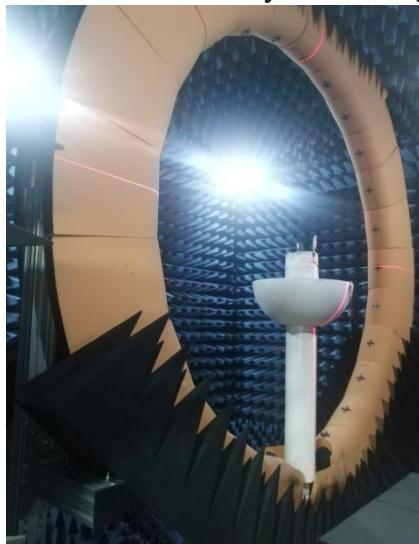
Antenna parameters (Ant Parameter)	WiFi FPC Antenna
Frequency	5000-5800MHz
Impedance (Impedance)	50Ω
Standing Polly (V.S.W.R.)	≤5
Gain (Peak)	-2.99dBi
Efficiency (Efficiency)	11.96%
Polarization (Polarization)	Line polarization Linear polarization
Direction (Antenna direction)	Omni-directional antenna Omnidirectional ant
Antenna type (Antenna Material)	FPC
Connection type (Cable Type)	The total length of the coaxial line L for one end is 60MM

1. Physical products



2. Antenna passive test

1. Antenna passive diagram
2. Antenna efficiency test Settings and environment

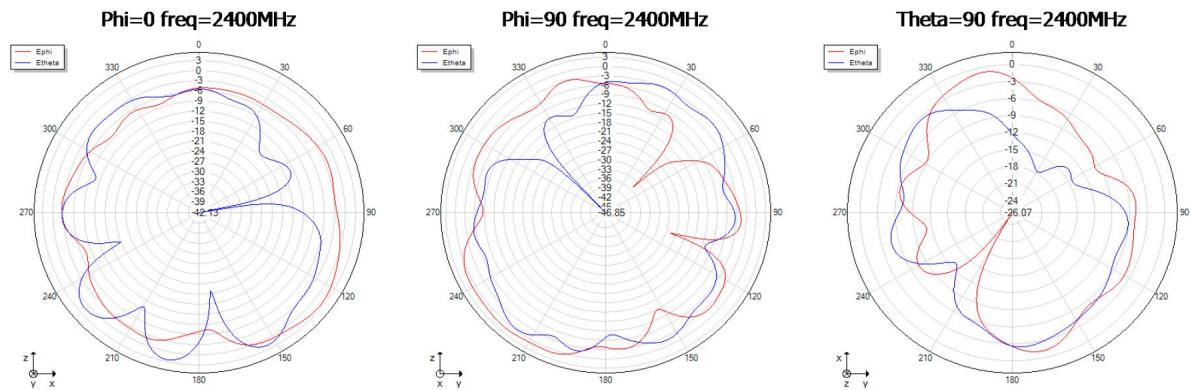
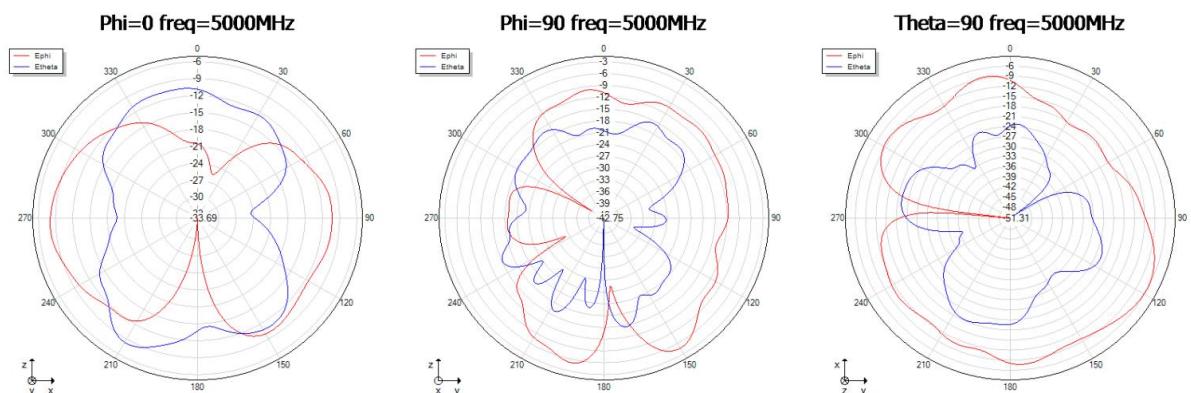


3. Passive test data

Frequency ID	1	2	3
Frequency(MHz)	2400	2450	2500
Gain(dBi)	4.62	5.03	4.47
Efficiency(%)	70.66	72.11	74.58

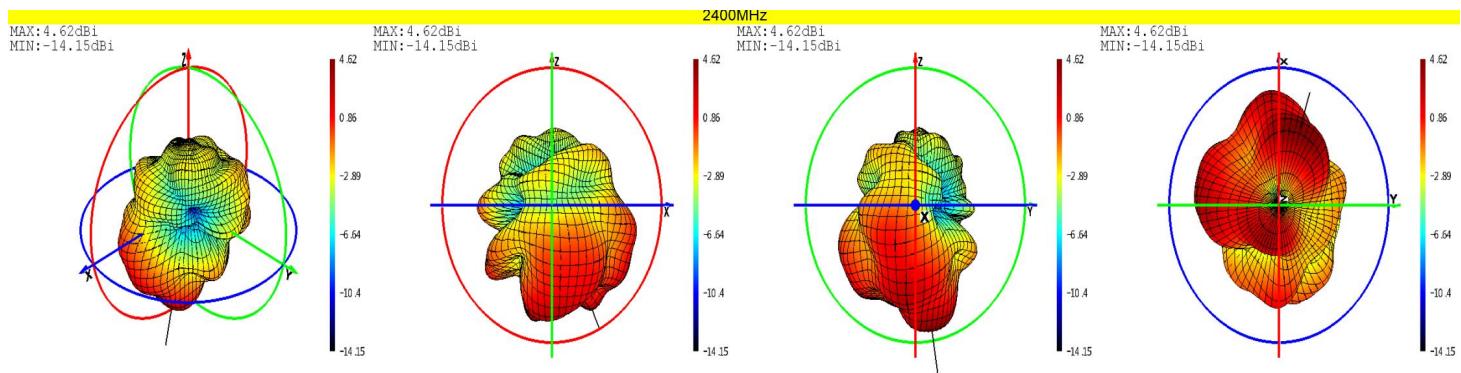
Frequency ID	1	2	3
Frequency(MHz)	5000	5500	5800
Gain(dBi)	-4.18	-5.59	-2.99
Efficiency(%)	11.96	8.02	11.65

3.1, Direction map

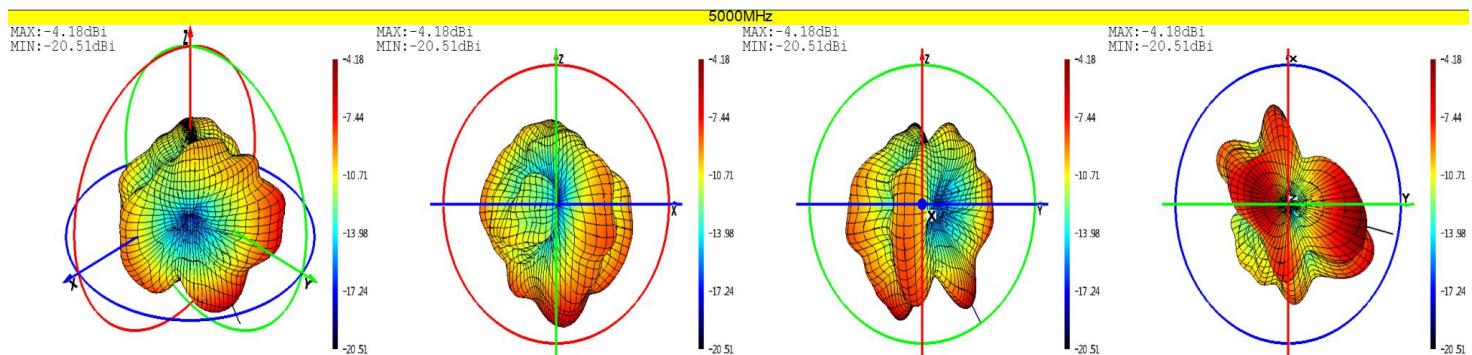
2.4G**5G**

3.2, Apple chart

2.4G



5G



Structural Drawings

