

Antenna test report

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|--------------|-------------------|----------------|---|
| Customer | Moon expansion | | |
| Entry Name | WIFI FPC Antenna | | |
| Poduct 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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| I. Physical products | 1 |
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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 |

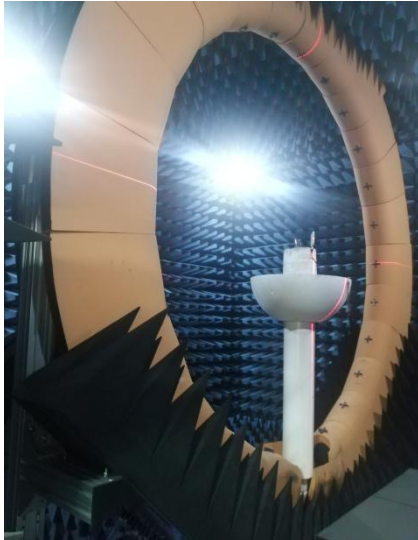
1. Physical products



2. Antenna passive test

1. Antenna passive diagram

2. Antenna efficiency test Settings and environment



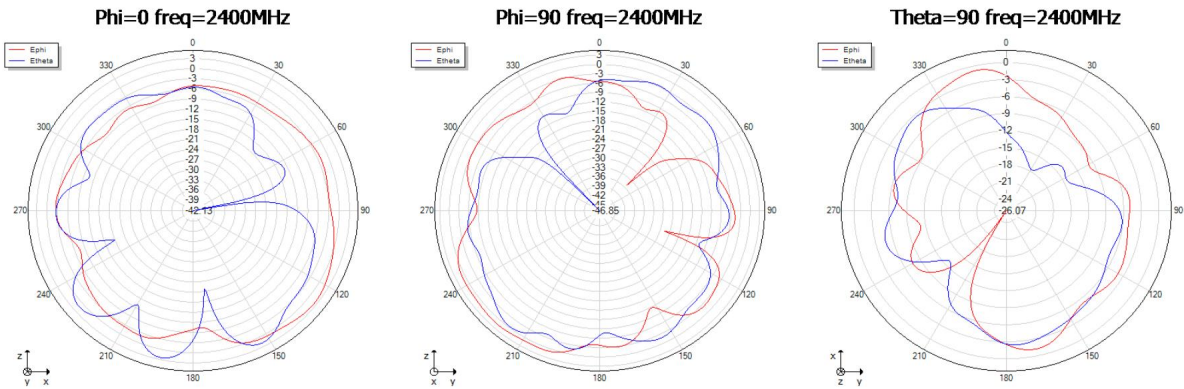
3. Passive test data

| 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 |

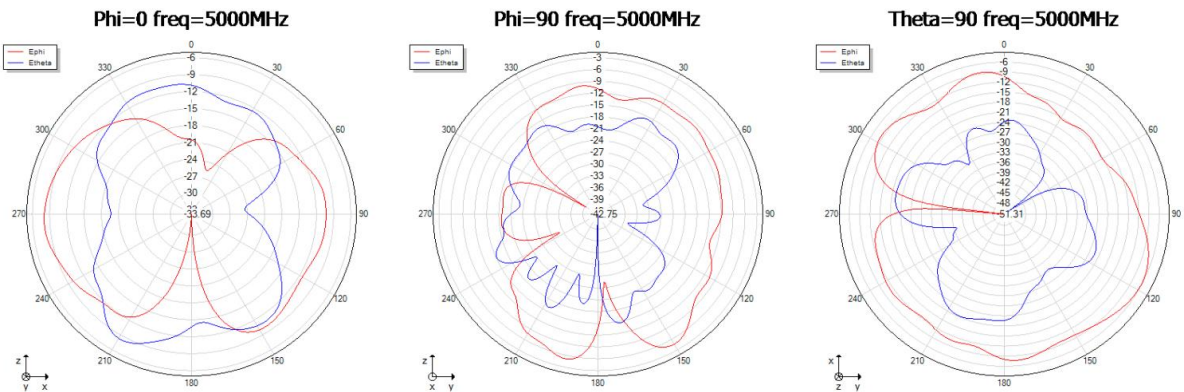
| Frequency ID | 1 | 2 | 3 |
|----------------|-------|-------|-------|
| Frequency(MHz) | 5000 | 5500 | 5800 |
| Gain(dBi) | -4.18 | -5.59 | -2.99 |
| Efficiency(%) | 11.96 | 8.02 | 11.65 |

3.1, Direction map

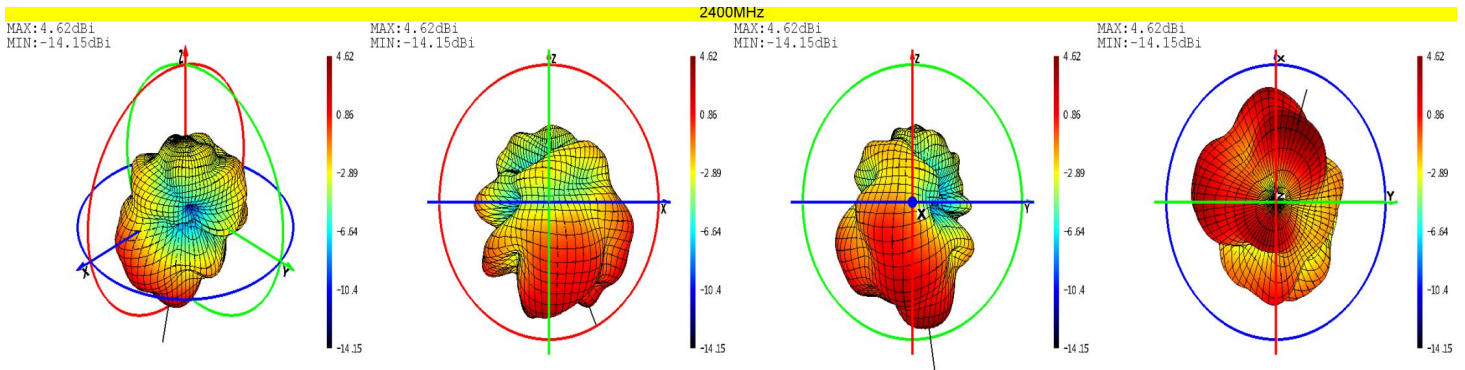
2.4G



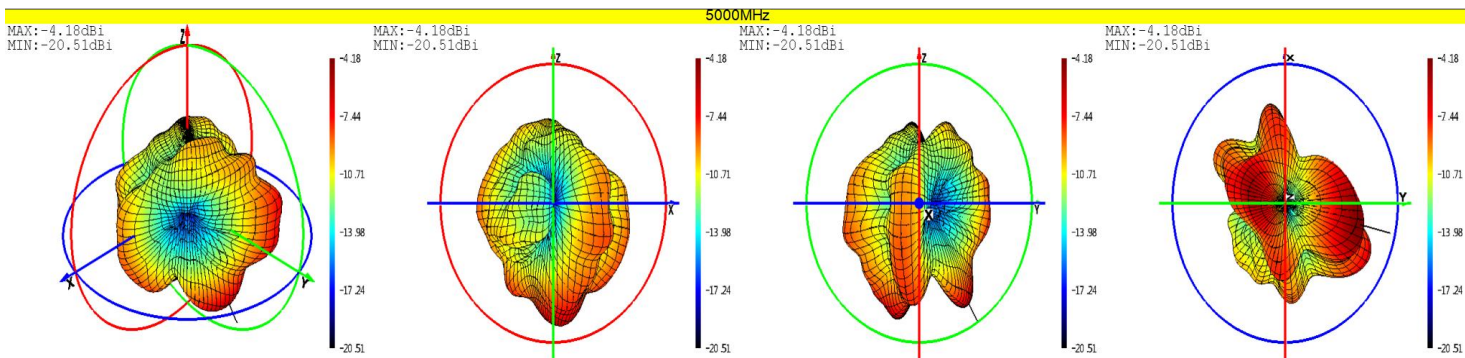
5G



3.2, Apple chart
2.4G



5G



Structural Drawings

