

# Dual Band WiFi FPC Antenna (IPEX Connector)



AFAG2220-SW2



22.0 x 20.0mm

RoHS/RoHS II Compliant

MSL - N/A

## FEATURES

- Low profile
- Flexible structure
- Omni-directional pattern
- Integrated IPEX connector
- Peel-and-stick installation

## APPLICATIONS

- IoT
- Home automation
- WiFi/Bluetooth
- Industrial wearables
- Appliances
- Security
- Video

## Key Electrical Specifications

| Item                  |         | Specification    |               |
|-----------------------|---------|------------------|---------------|
| Frequency             |         | 2400-2500 MHz    | 5100-5900 MHz |
| VSWR                  |         | ≤2.0             | ≤2.5          |
| Impedance             |         | 50Ω              |               |
| Gain                  | Average | 1~ 2 dBi typ     |               |
|                       | Peak    | 6.5 dBi          |               |
| Azimuth               |         | Omni-directional |               |
| Polarization          |         | Vertical         |               |
| Installation mode     |         | Surface-pasting  |               |
| Operating Temperature |         | -40 to +85°C     |               |
| Power Capacity        |         | 3W               |               |

## Note:

Don't paste on the surface of metal.

Frequency change with different material and thickness of the shell.



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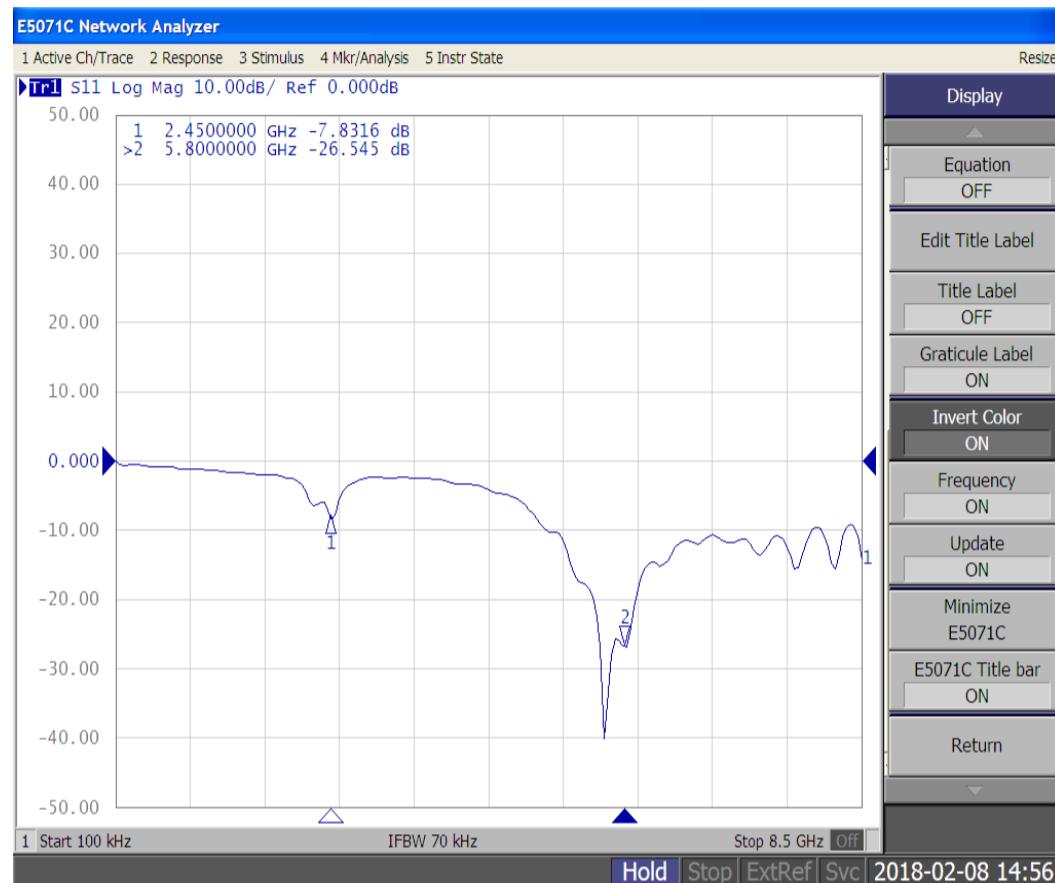


22.0 x 20.0mm

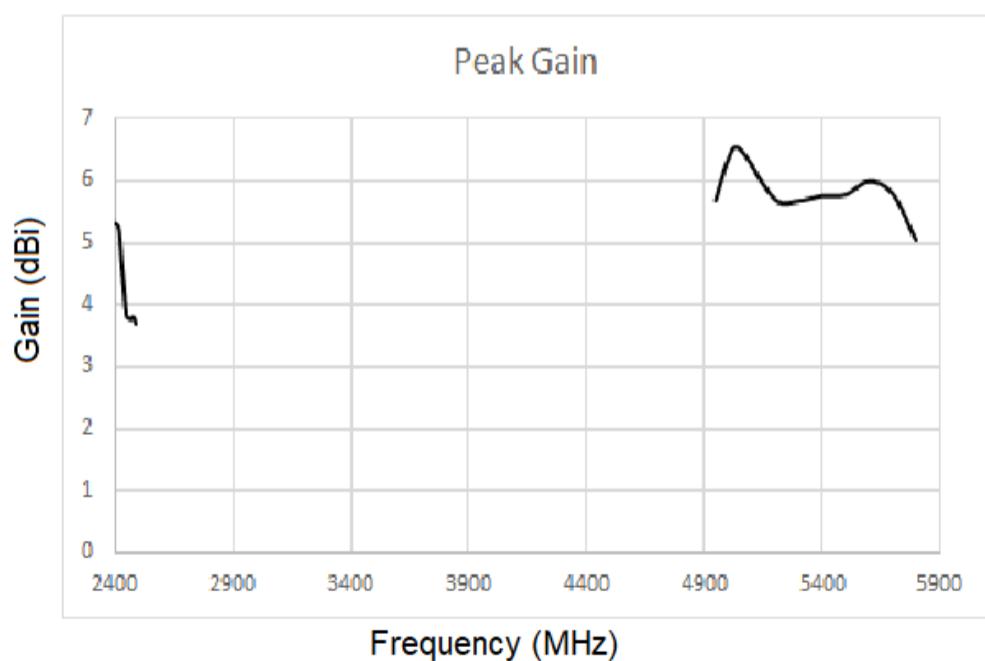
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## VSWR Characteristics



## Peak Gain



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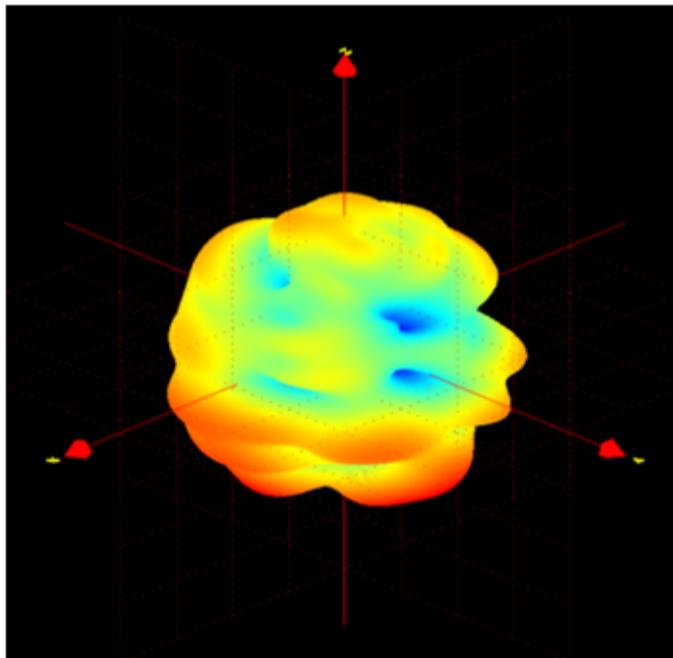


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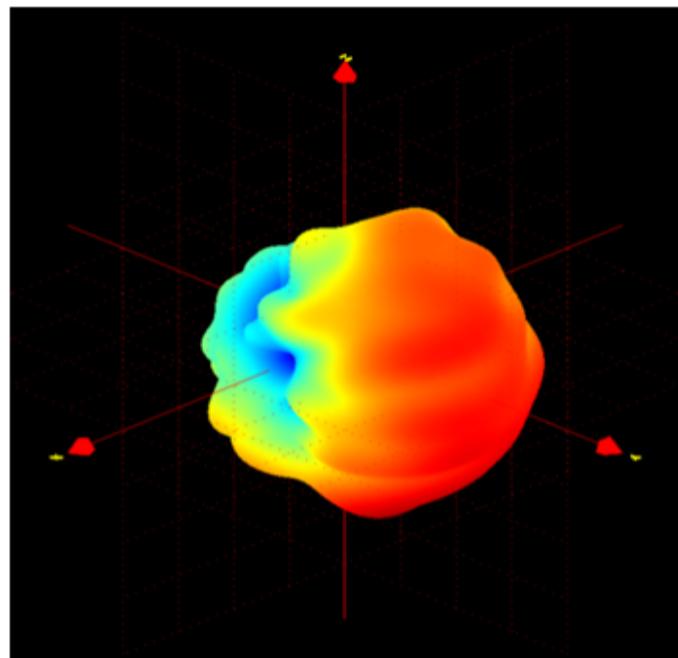
MSL - N/A

## Radiation Patterns

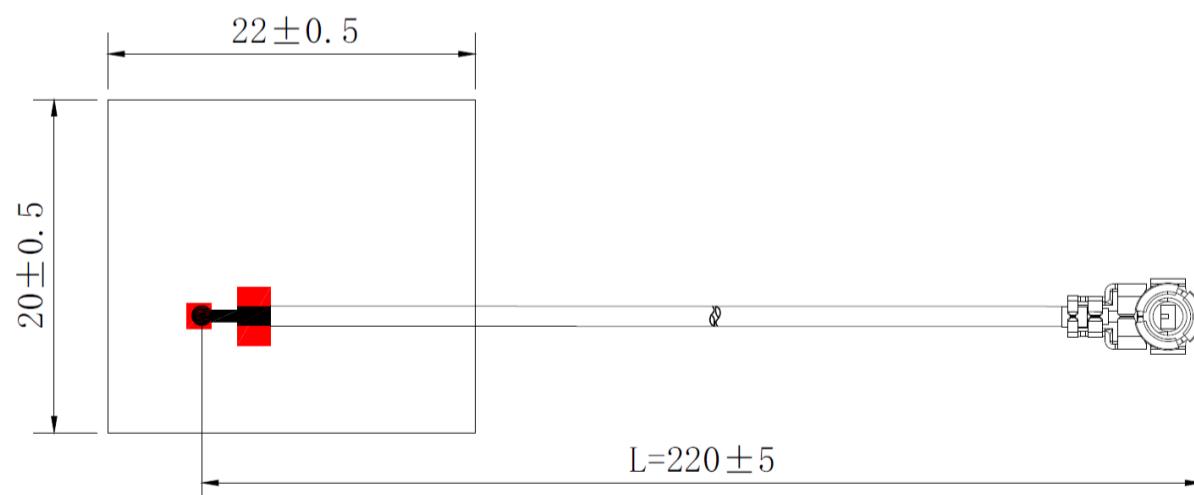
2450 MHz



5800 MHz



## Dimensions



Unit: mm

| Description   | Spec                |
|---------------|---------------------|
| Antenna Size  | 22 x 20 mm          |
| Material      | FPC                 |
| RF Cable      | Φ1.13mm (L=220±5mm) |
| RF Connector  | I-PEX               |
| Adhesive Tape | 3M-467MP            |

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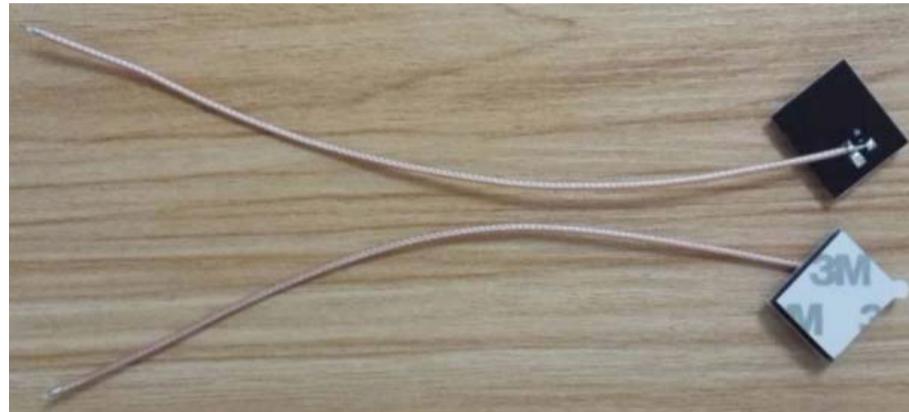


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## Product Image



## Packaging

There are 5 pcs per plastic bag (inner box), and 500 pcs per carton (outer box). The size of each inner box is 180 x 122mm and the size of the carton is 500 x 260 x 250mm. The weight of the carton is 1.5/3.5kgs (NW/GW).

| Package Type | Quantity          |
|--------------|-------------------|
| Inner Box    | 5 pcs/plastic bag |
| Carton       | 500pcs/ctn        |



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