

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:

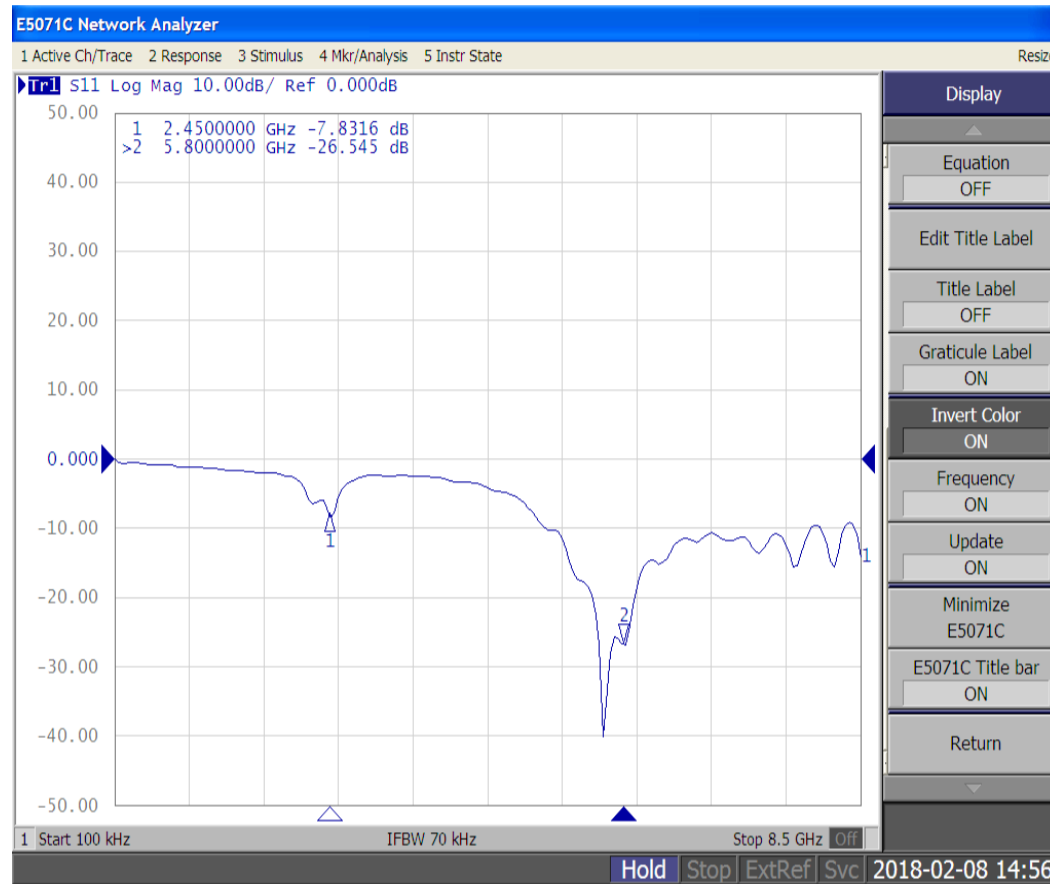
Don't paste on the surface of metal.
Frequency change with different material and thickness of the shell.

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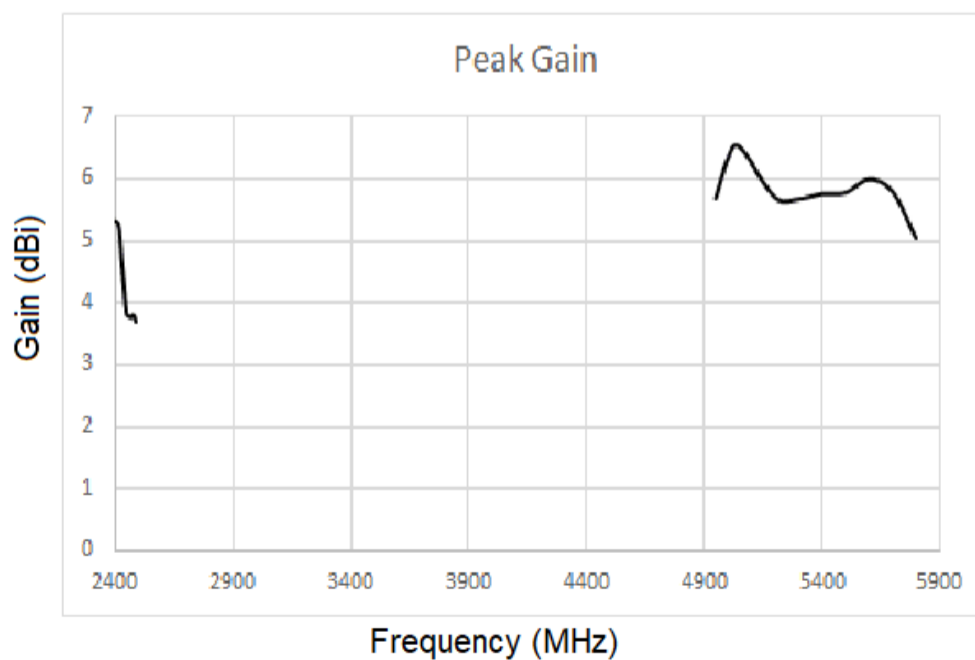


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VSWR Characteristics



Peak Gain



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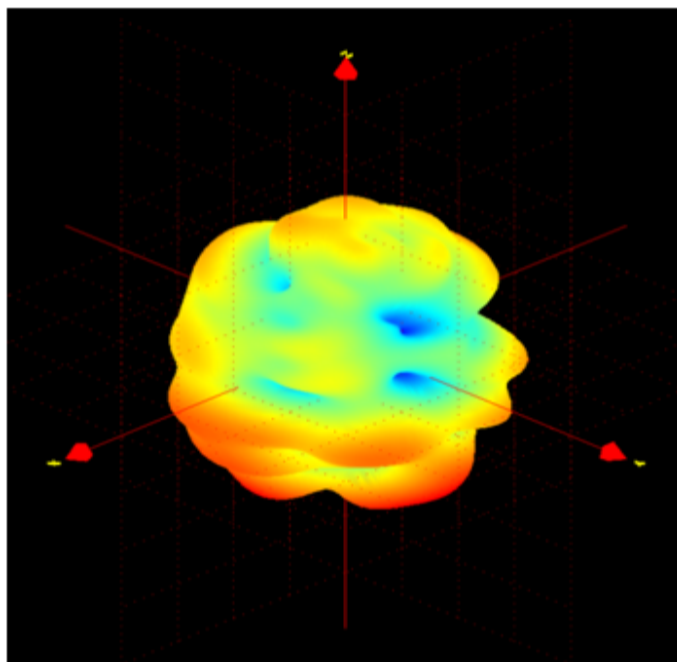
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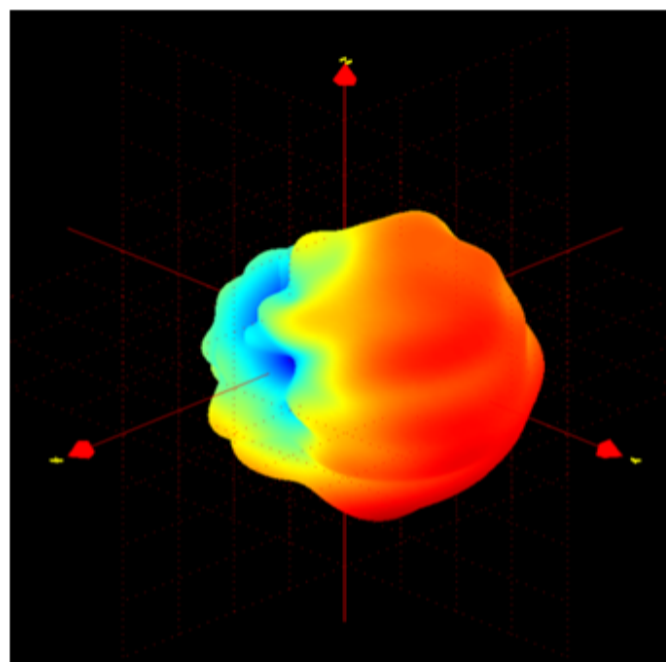
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Radiation Patterns

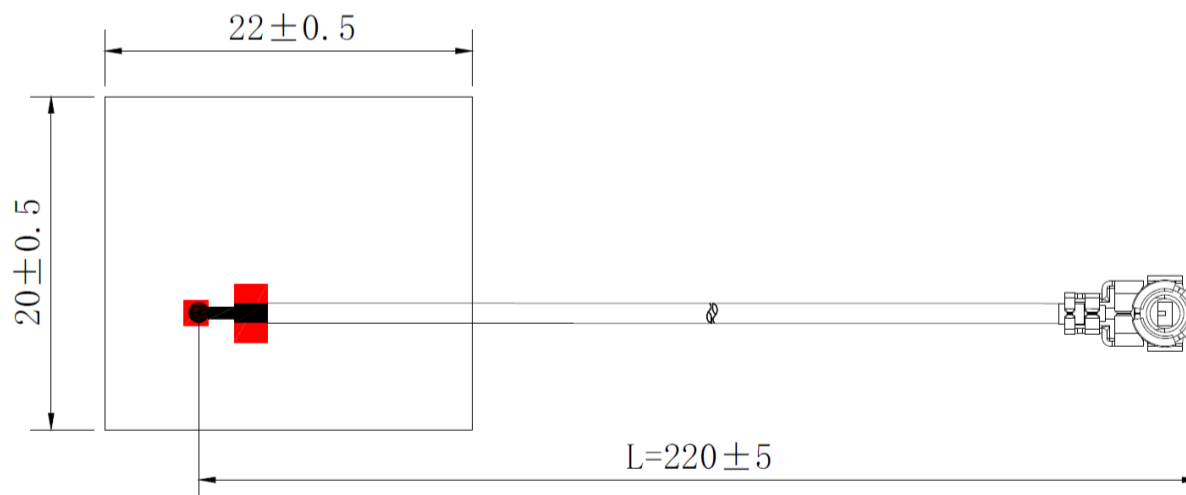
2450 MHz



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

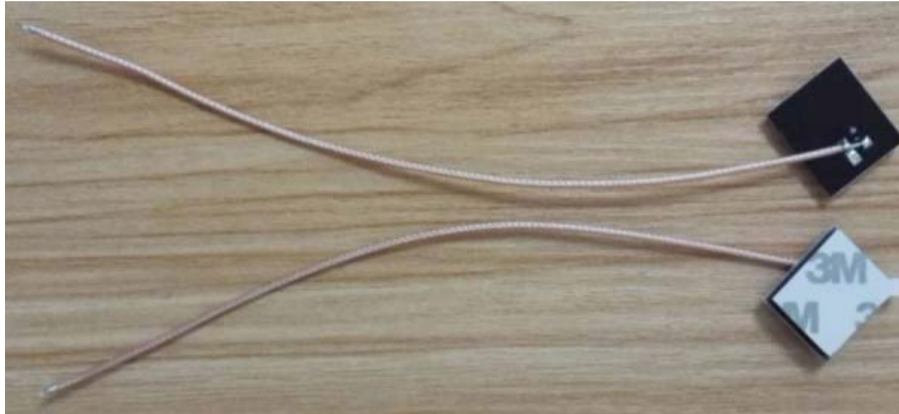
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Product Image



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

Mouser Electronics

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