

## 2JF0802P

2.4/5.0/6.0 GHz ISM Flexible Polymer

### Key Features

#### 2.4/5.0/6.0 GHz ISM

- 2410-2490 MHz

- 4920-7125 MHz

Self-Adhesive

Wifi 6E Antenna

Embedded Antenna

High Performance

Flexible Material

Ground Plane Independent

Dimensions 39.6 × 8.4 × 0.2 mm

Customizable Cable and Connector



### Description

2JF0802P antenna is flexible high efficiency embedded solution covering 2.4 GHz, 5.0 GHz and 6.0 GHz bands. Antenna can be easily mounted in most devices due to self-adhesive layer and small size. 2JF0802P is omnidirectional, ground plane independent antenna. Cable and connector is upon request.



## 1. Antenna and electrical specifications

Parameters	2.4/5.0/6.0 GHz ISM Antenna		
<b>Standards</b>	WiFi 6E, BT, ZigBee, ISM, SigFox, LoRa		
<b>Band (MHz)</b>	2.4 GHz	5.0 GHz	6.0 GHz
<b>Frequency (MHz)</b>	2410-2490	4920-5925	5925-7125
<b>Return Loss (dB)</b>	~-13.6	~-7.2	~-5.7
<b>VSWR</b>	~1.5:1	~2.7:1	~3.7:1
<b>Efficiency (%)</b>	~54.4	~48.7	~45.5
<b>Peak Gain (dBi)</b>	~1.7	~5.1	~4.6
<b>Average Gain (dB)</b>	~-2.6	~-3.1	~-3.6
<b>Impedance (Ohm)</b>	50		
<b>Polarisation</b>	Linear		
<b>Radiation Pattern</b>	Omni-Directional		
<b>Max. Input Power (W)</b>	10		
<b>Connector Type</b>	U.FL Standard (Other Connectors Available)		
<b>Cable Length</b>	100mm Standard (Any Cable Length Available)		
<b>Cable Type</b>	1.37mm Mini-Coax Standard (Other Cables Available)		

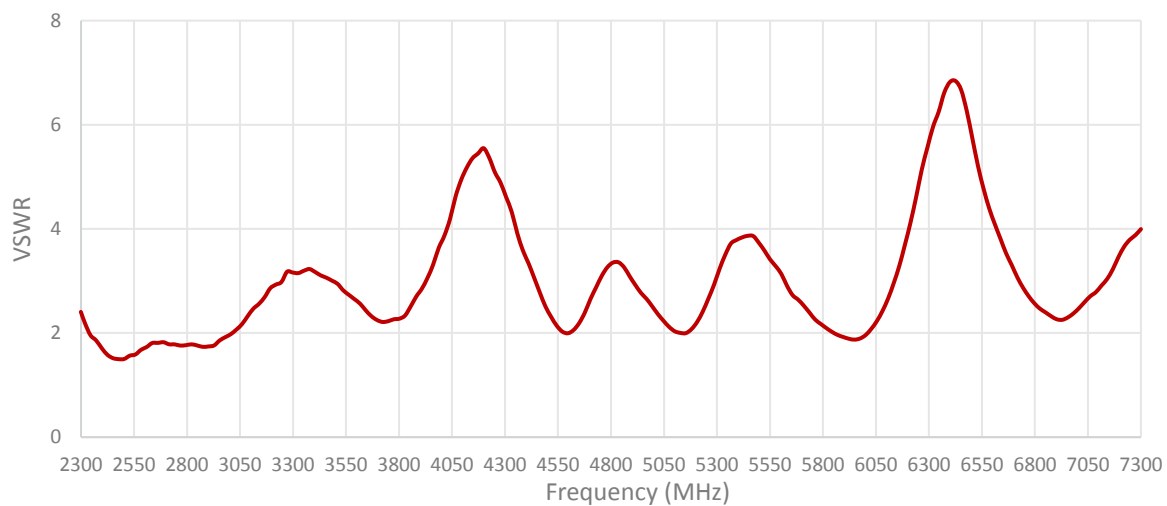
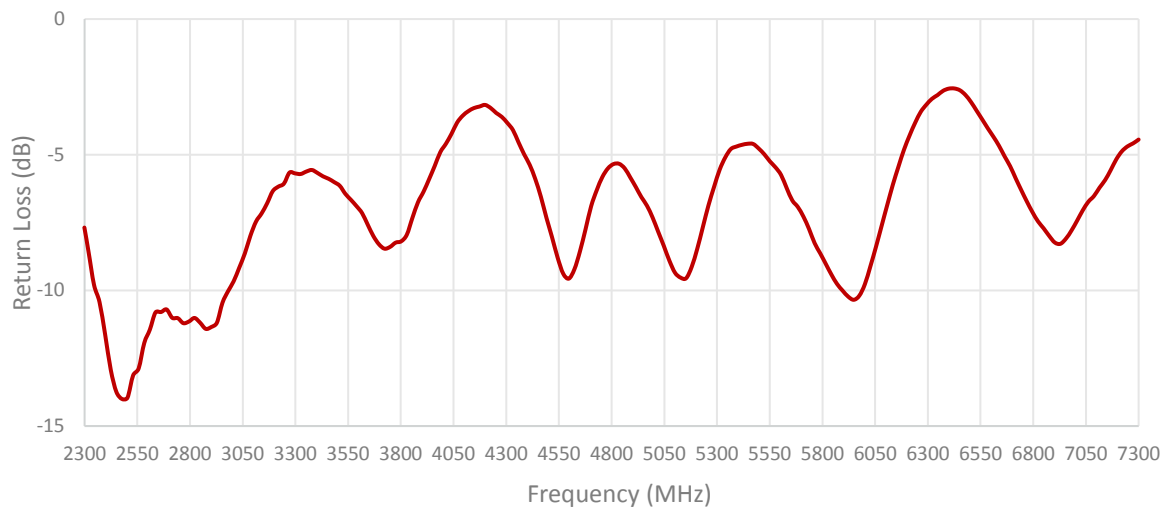
### Antenna Measurement Conditions:

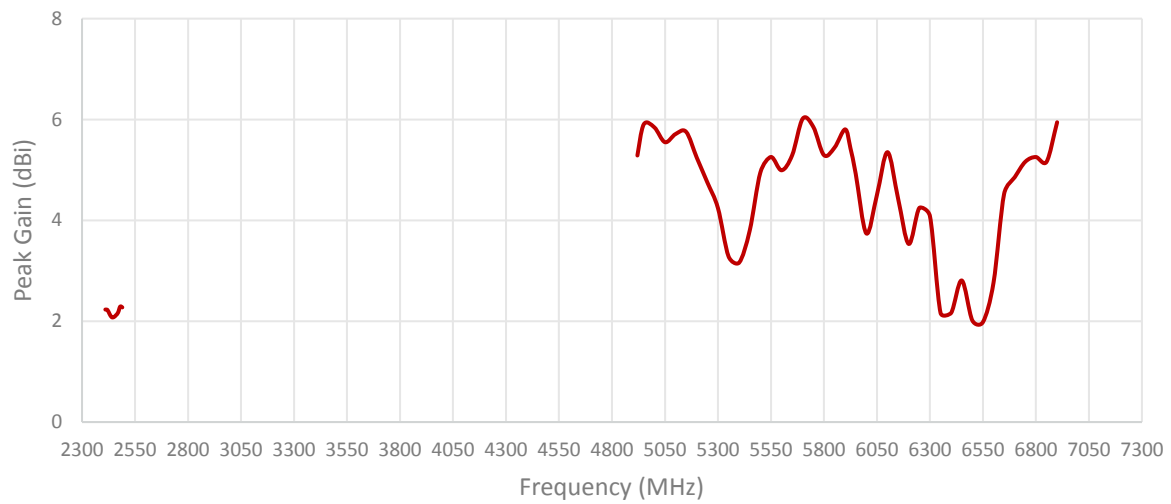
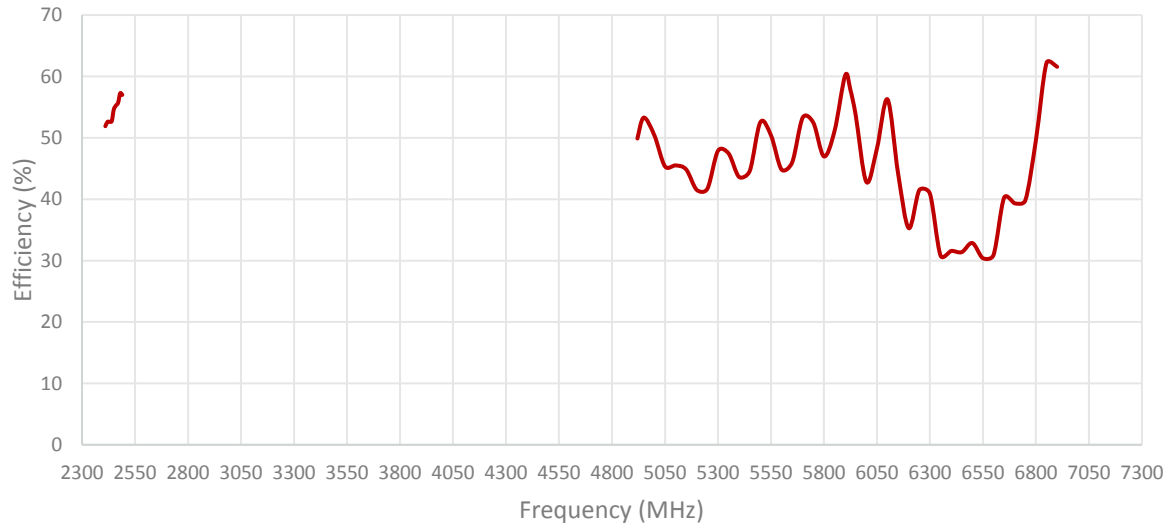
Mounted on 30 x 30 x 0.25 cm ABS Plate  
 100 mm of 1.37 mm Mini-Coax Cable  
 Measured in Certified CTIA 3D Anechoic Chamber

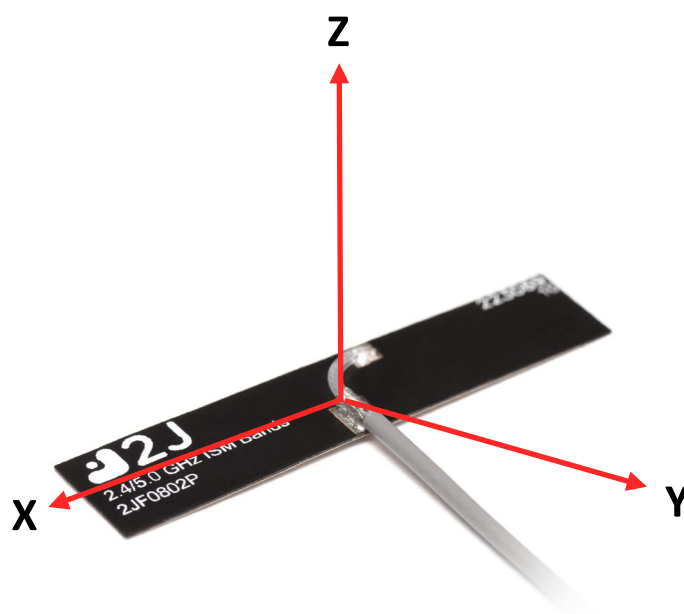
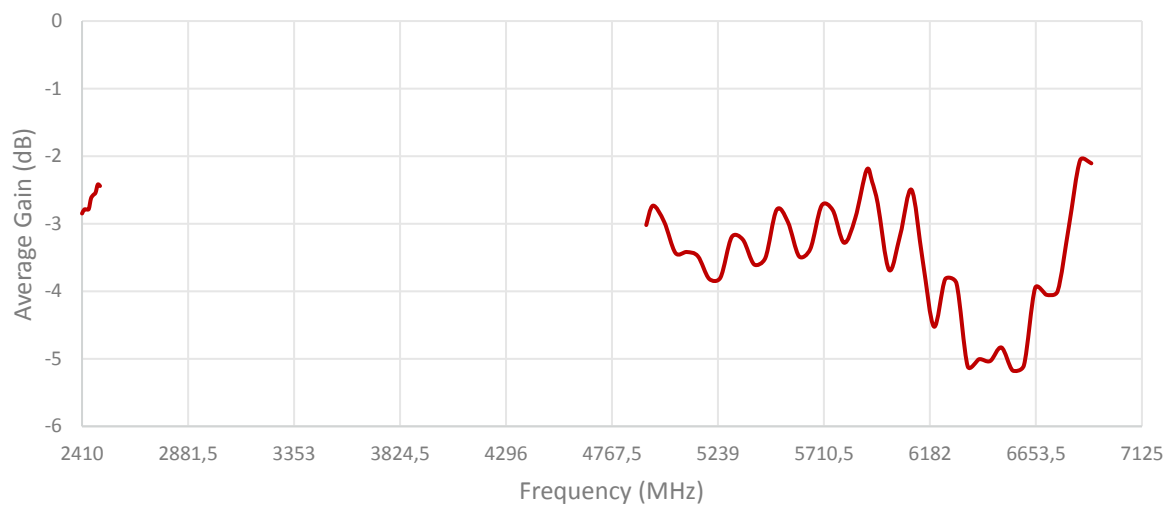
## 2. Mechanical and environmental specifications

Specifications	2JF0802P
<b>Mounting Type</b>	Self-Adhesive
<b>Dimensions (mm)</b>	39.6x 8.4 x 0.2
<b>Adhesive Type</b>	3M 467
<b>Material</b>	Flexible Polymer
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS

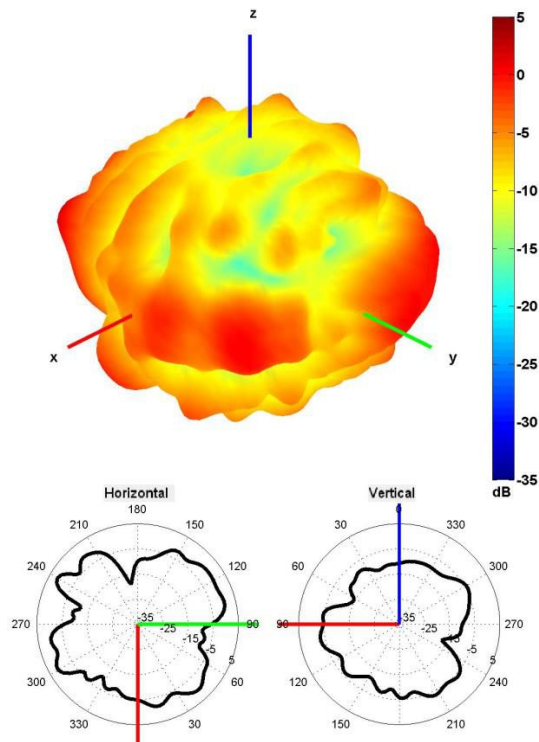
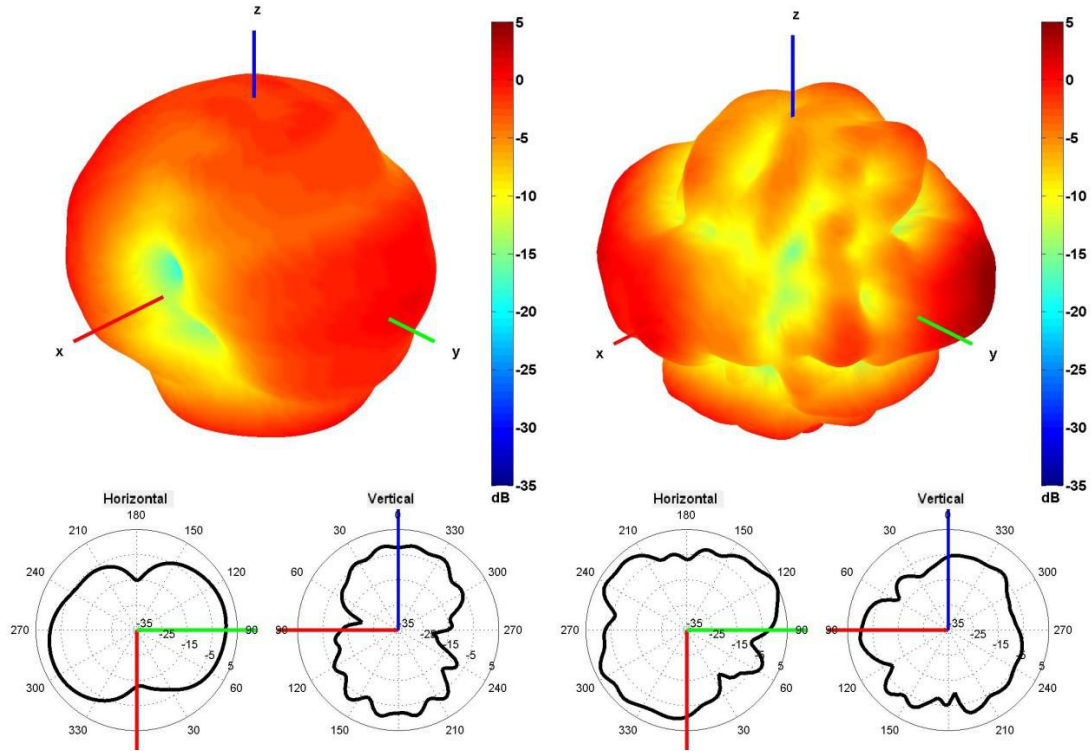
### 3. Antenna parameters



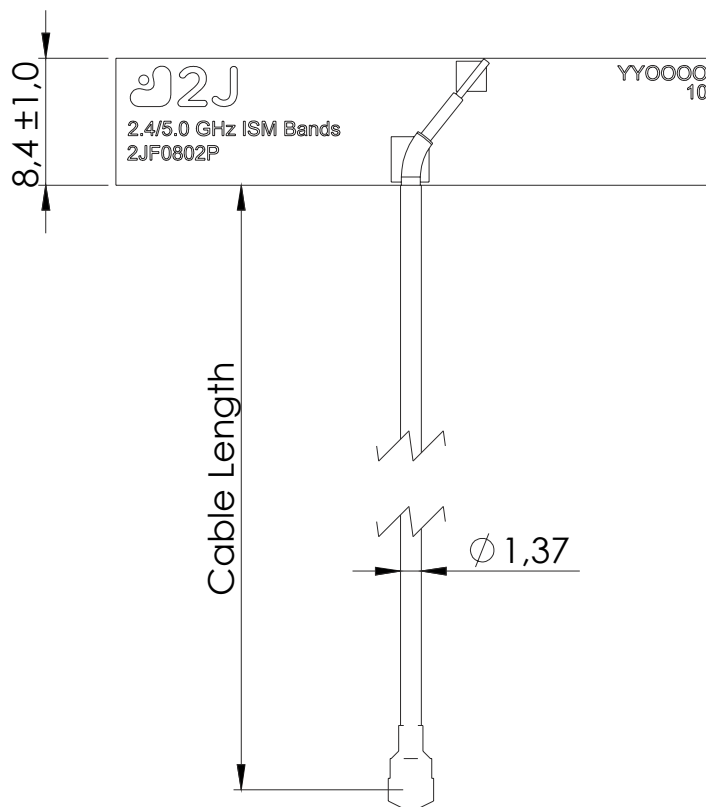
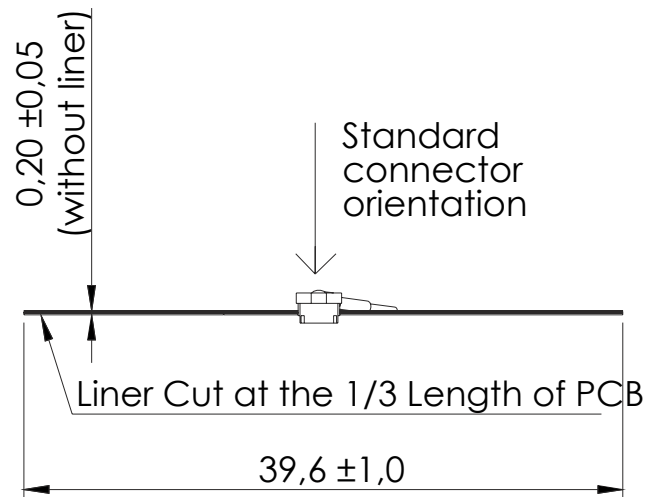




Radiation pattern reference



## 4. Antenna drawings



## 5. Antenna Images





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