

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

Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate

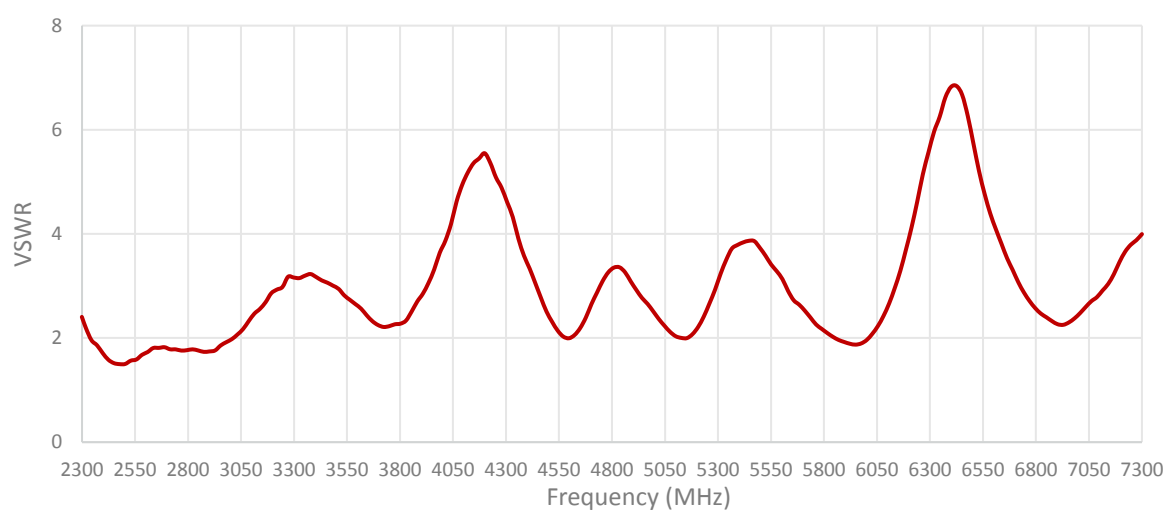
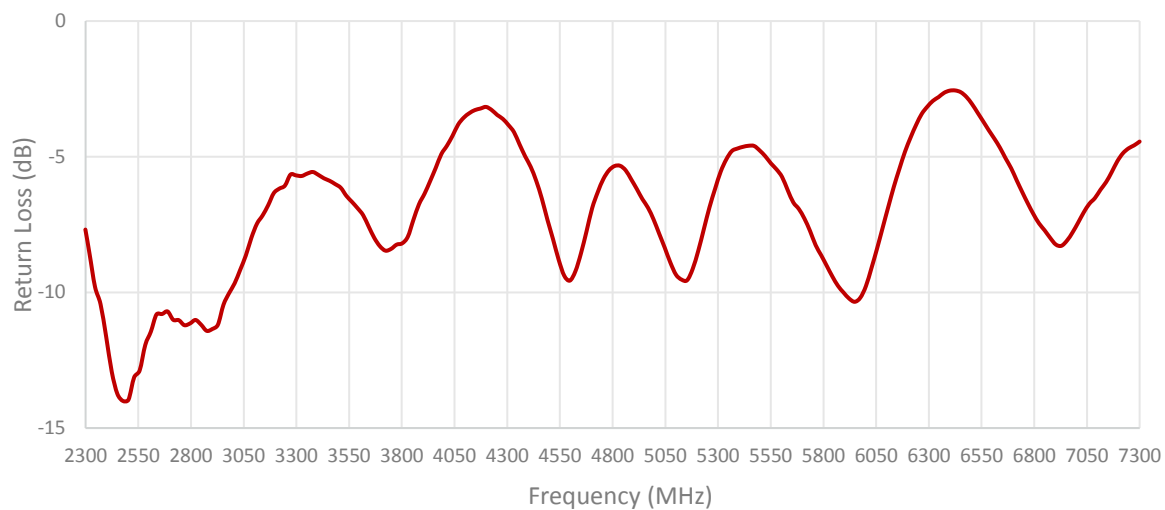
100 mm of 1.37 mm Mini-Coax Cable

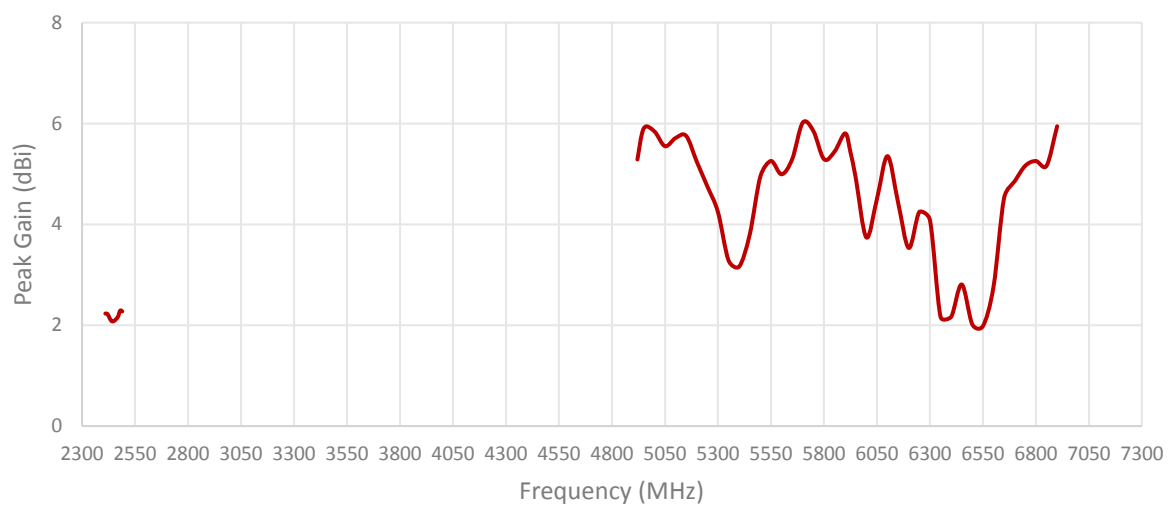
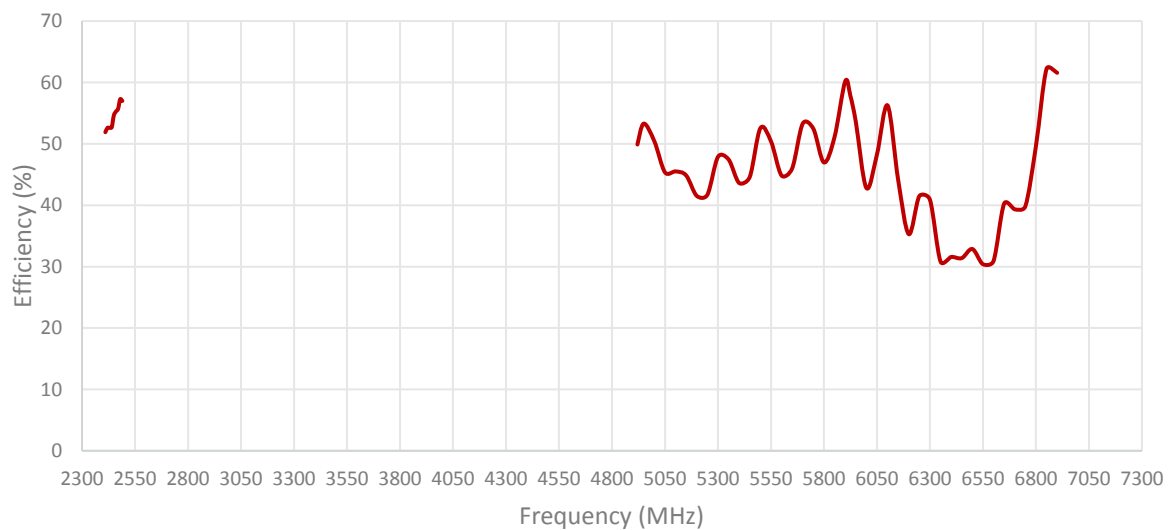
Measured in Certified CTIA 3D Anechoic Chamber

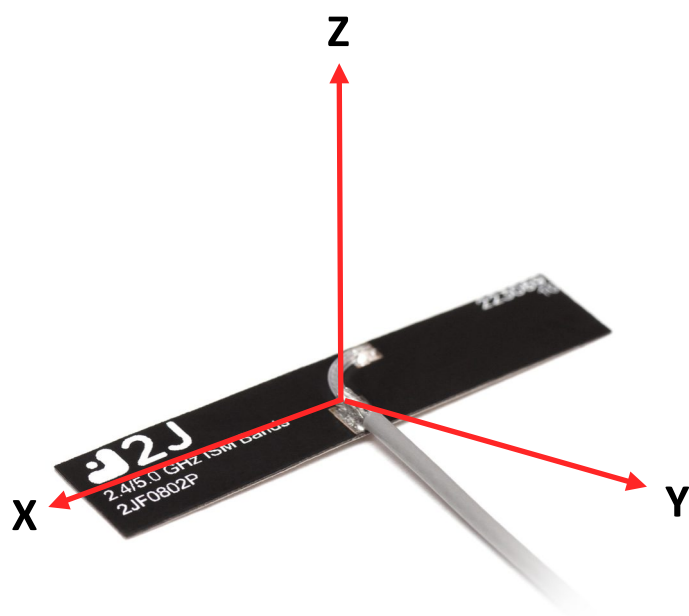
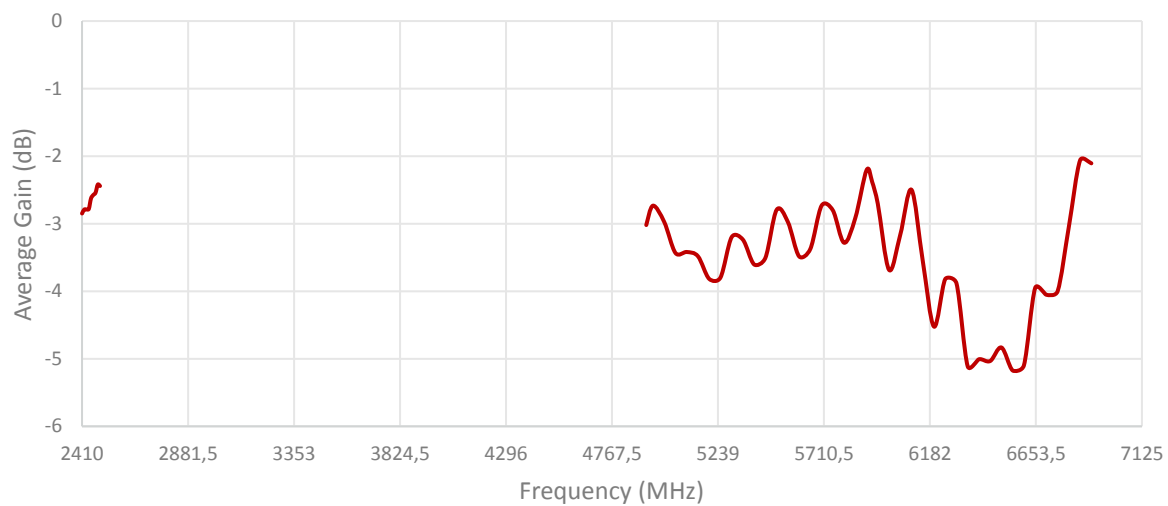
2. Mechanical and environmental specifications

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

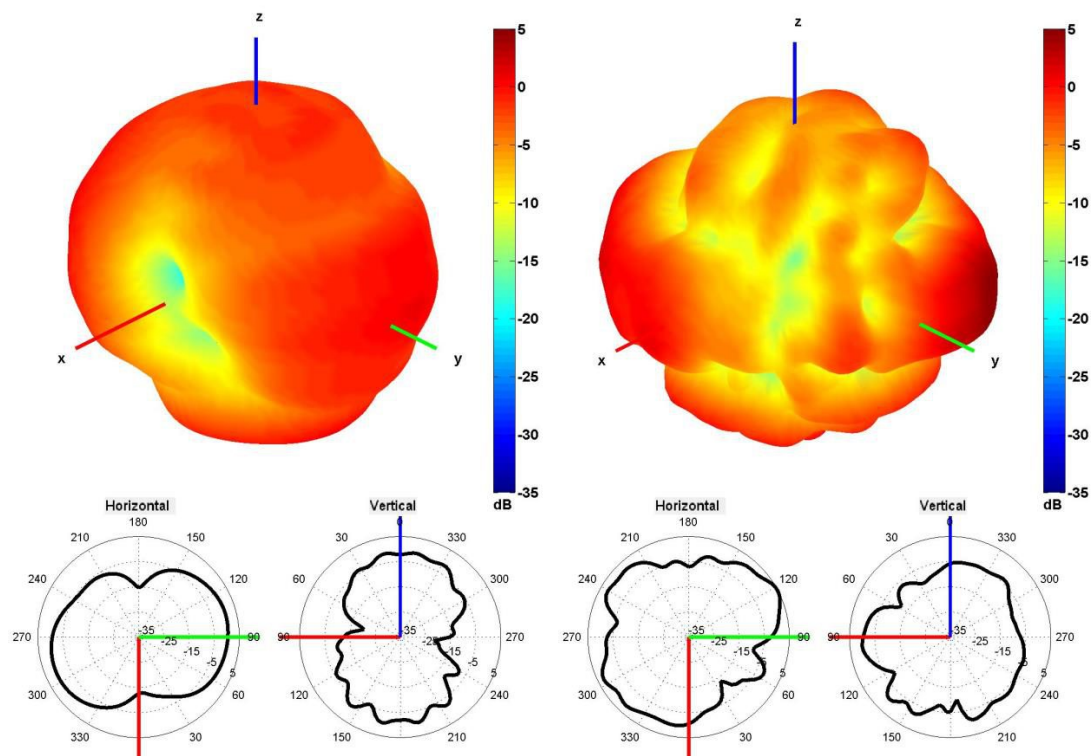
3. Antenna parameters



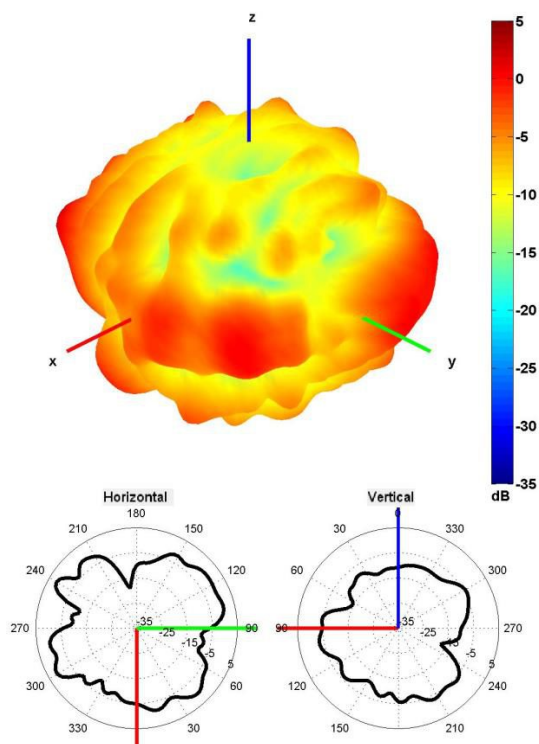




Radiation pattern reference

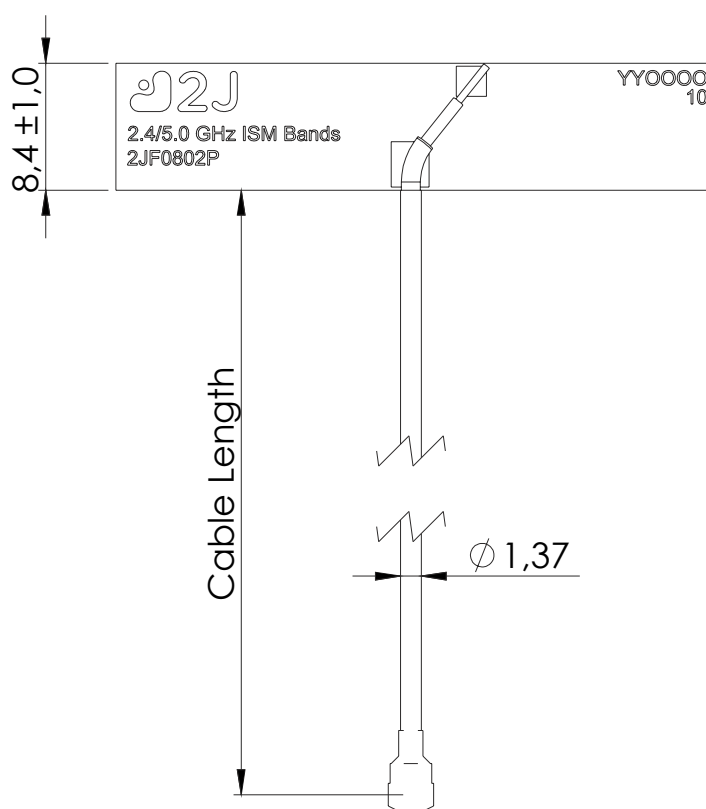
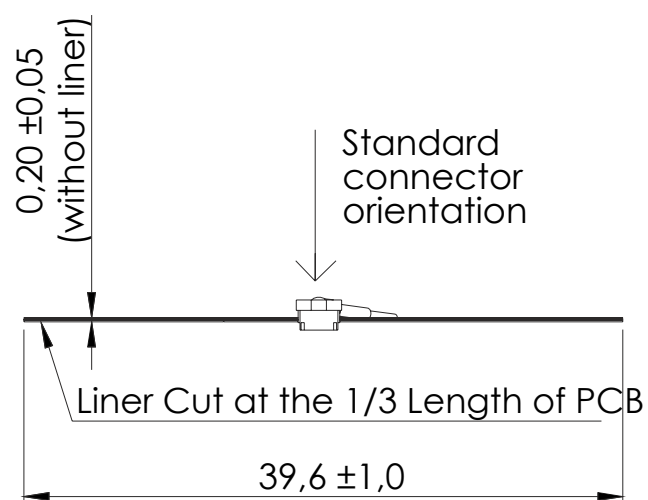


2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

