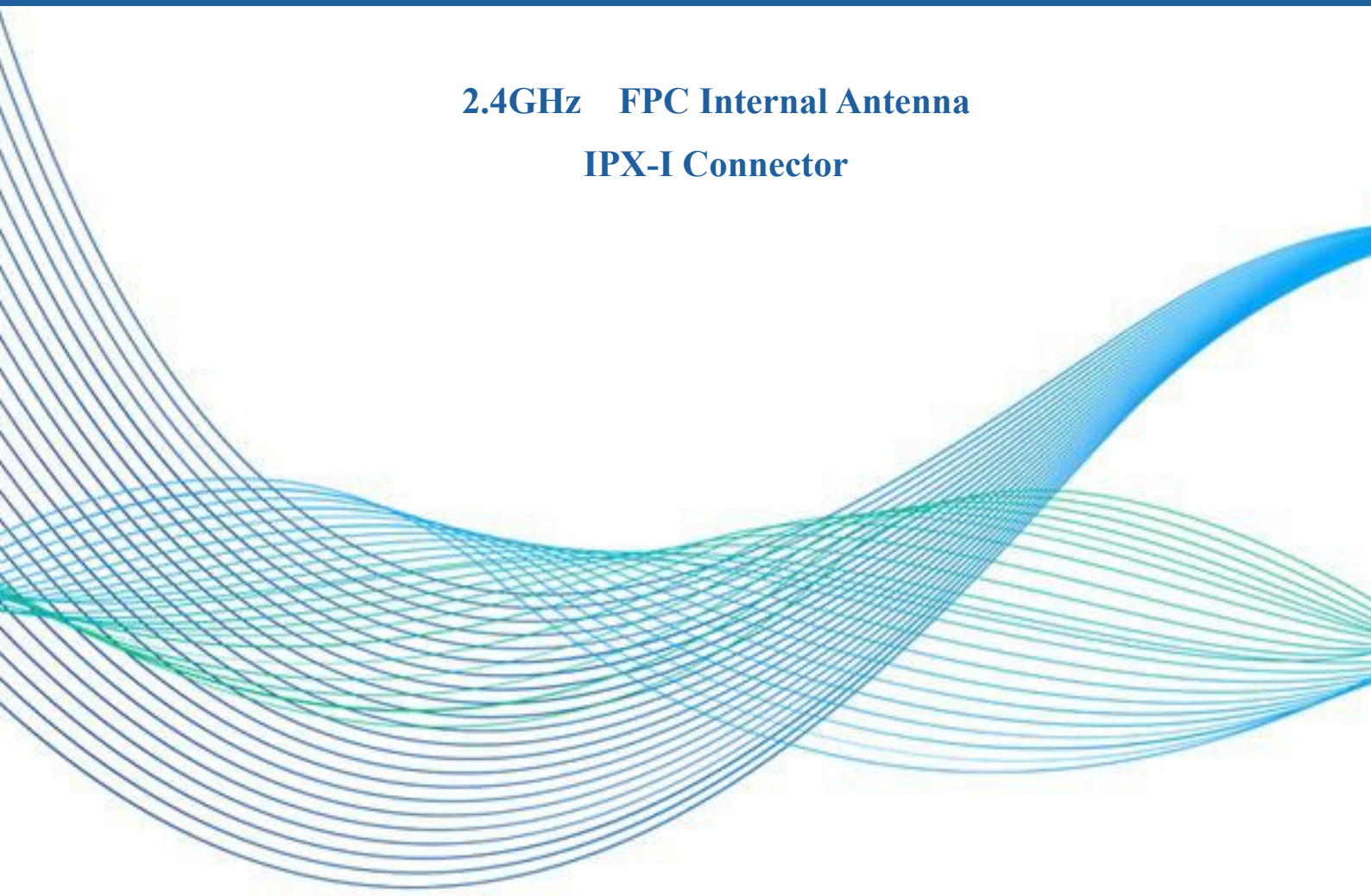
TX2400-FPC-5015 Product Data Sheet

2.4GHz FPC Internal Antenna

IPX-I Connector



Chengdu Ziisor Technology Co., Ltd

I. Product Introduction

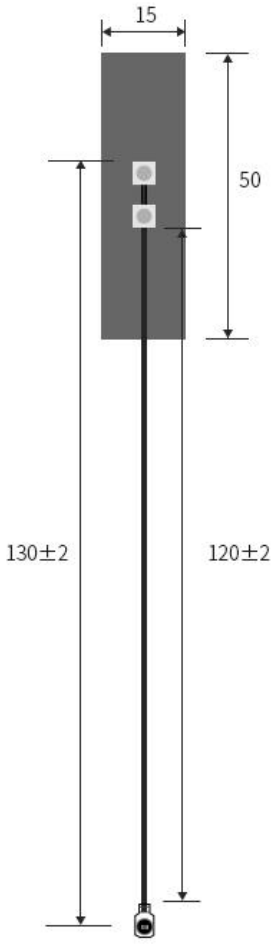
TX2400-FPC-5015 is a 2.4GHz FPC internal antenna. Size of the antenna is 50*15mm with a IPX-I interface. With small volume and reliable performance, the antenna is internally installed and used in the module and enjoys stable signals and can be applied to such devices with frequency of 2.4GHz as terminal equipment (cell phone, WiFi and router), wireless communication module and so on.

II. Specification and Parameters

Physical Parameters	
Frequency	2.4GHz
Bandwidth	2.4GHz-2.5GHz
Gain	3dBi
SWR	≤1.5
Polarization	Linear
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	2W
Other Parameters	
Size	50*15mm
Total Weight	1g
Material	FPC
Feeder Length	120mm
Interface	IPX-I
Working Temperature	-40℃～+85℃
Storage Temperature	-40℃～+85℃

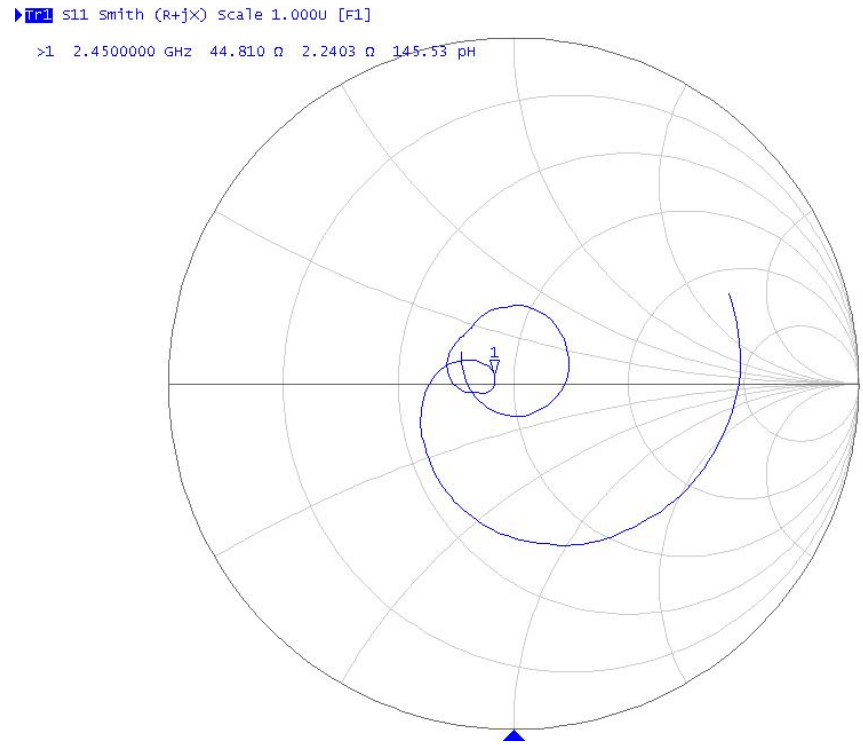
IPX-I

III. Product Dimension



Unit: mm

IV. Testing



V. FAQ

- Antenna frequency shall be matched with that of the wireless devices, or the communication will be affected;
- Diffraction performance will be better with lower communication frequency and longer wave;
- Communication distance will be shorter if there is any straight-line barrier;
- Please be noted of the antenna radiation direction. Incorrect direction by installation will result in short communication distance;
- As radio wave may be absorbed by the ground, result will be affected if tested close to ground. It is suggested to test at a higher place;
- As radio wave can be highly absorbed by the ocean water, result will be affected if tested close to the sea;
- Signal will be seriously weakened if the antenna is put close to metal or inside metal shell;
- Lower impedance matching of antenna and communication devices will result in poor communication.

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