



TX2400-PCB-5010 Product Data Sheet

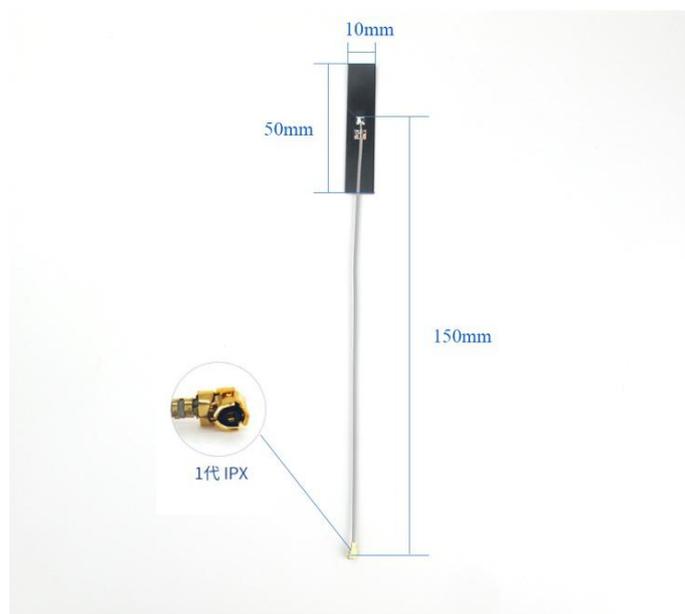
**2.4GHz PCB Internal Antenna
IPX-I Interface**

I. Product Introduction

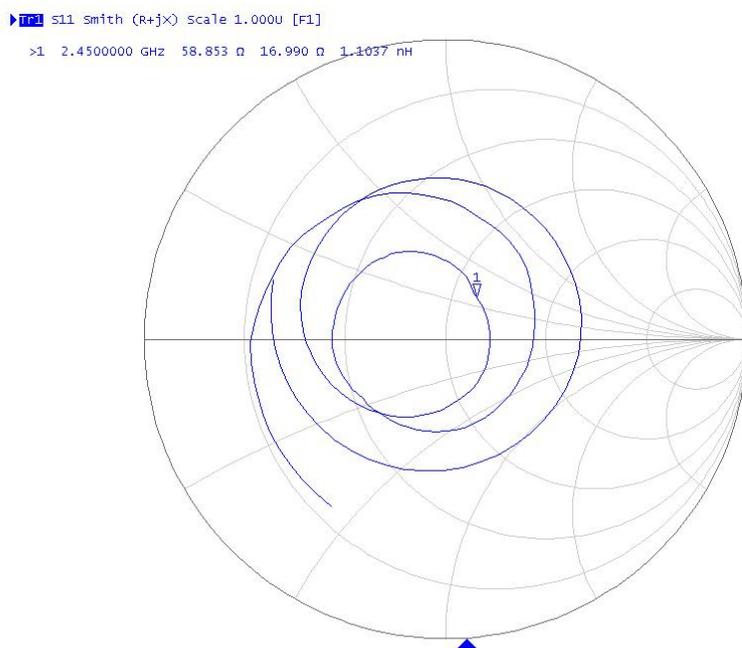
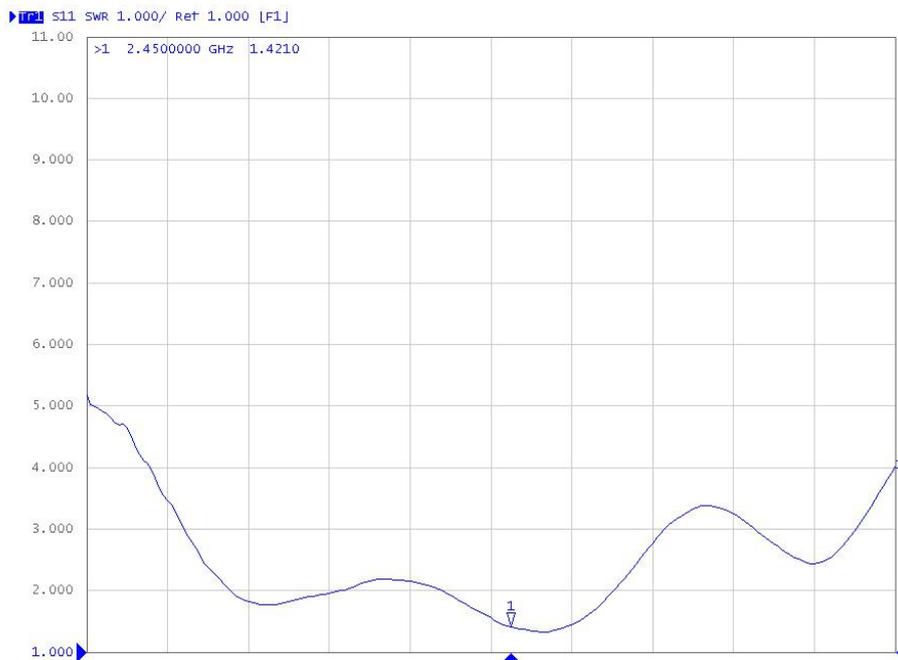
TX2400-PCB-5010 is a 2.4GHz PCB internal antenna. Size of the antenna is 50*10mm. With a IPX-I interface, it can be applied to terminal devices(cellphone, WiFi, router) and wireless communication module with frequency of 2.4GHz. With small volume and reliable performance, the antenna is internally installed and used in the module and enjoys stable signals.

II. Specification and Parameters

Physical Parameters	
Frequency	2.4GHz
Bandwidth	2.4-2.5GHz
Gain	2dBi
SWR	≤1.5
Polarization	Linear
Radiation Direction	Omnidirectional
Input Impedance	50 Ω
Power Capacity	2W
Other Parameters	
Size	50*10mm
Total Weight	1g
Feeder Length	150mm
Material	PCB
Interface	IPX-I
Working Temperature	-40℃~+85℃
Storage Temperature	-40℃~+85℃



III. Testing



IV. 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 bad communication.

About us

Technical support: support@cdebyte.com

Documents and RF Setting download link: www.ebyte.com

Thank you for using Ebyte products! Please contact us with any questions or suggestions: info@cdebyte.com

Fax: 028-64146160 ext. 821

Web: www.ebyte.com

Address: Innovation Center D347, 4# XI-XIN Road, Chengdu, Sichuan, China

