

Specification Sheet for TX2400-FPC-4212 Antenna

2.4GHz FPC Built-in Antenna

IPEX-I Connector

Chapter 1 Product Introduction

TX2400-FPC-4212 is a 2.4GHz band FPC built-in antenna with dimensions of 19mm×8mm and an IPEX-I connector. It is suitable for various 2.4GHz band terminal devices (mobile phones, wireless network cards, routers), wireless communication modules, etc. The antenna features small size, reliable performance, and is installed and used inside modules, ensuring stable signals.

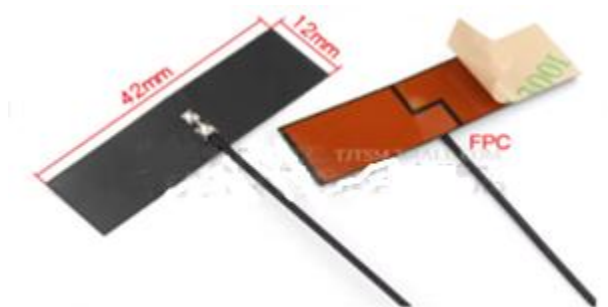
Chapter 2 Specification Parameters

Electrical Parameters

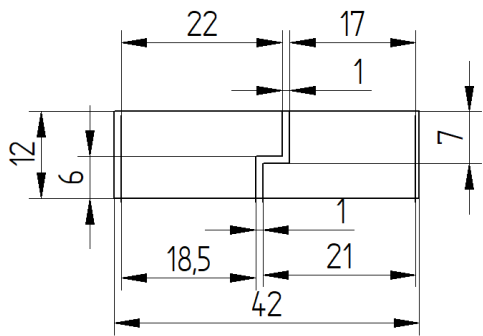
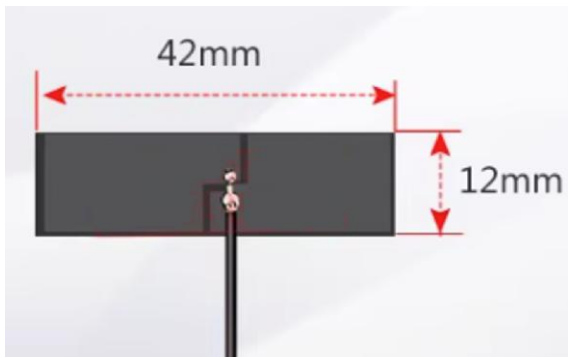
Frequency Range	2.4GHz 2.4-2.5GHz
Antenna Gain	1.5dBi
Voltage Standing Wave Ratio (VSWR)	≤1.5
Polarization Direction	Linear Polarization
Radiation Direction	Omnidirectional
Input Impedance	50Ω
Power Capacity	2W

Other Parameters

Product Dimensions	42mm×12mm
Total Weight	1g
Feeder Material	RF1.13
Feeder Length	121mm (customizable length)
Antenna Material	FPC
Connector Type	IPEX-I Connector
Operating Temperature	-30°C~+75°C
Storage Temperature	-30°C~+75°C

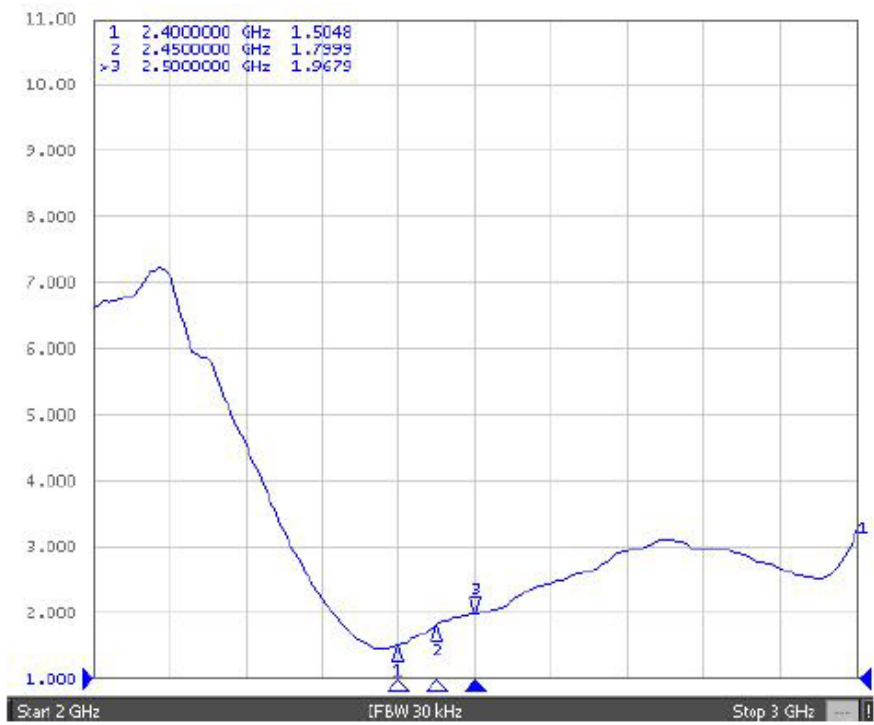


IPEX-1

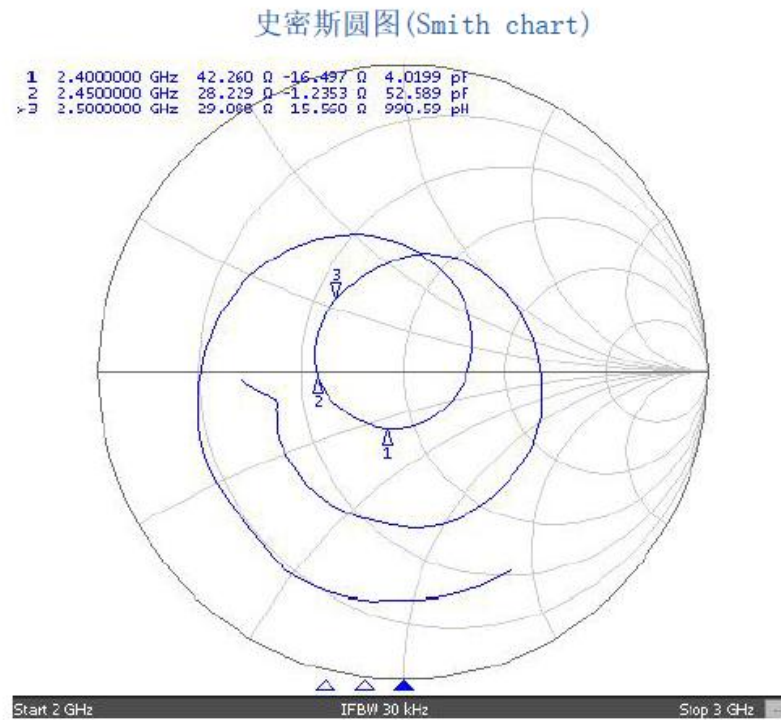


Chapter 3 Antenna Characteristics
Voltage Standing Wave Ratio (VSWR)

电压驻波比 (VSWR)



Smith Chart



We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.