TX2400-JZLW-15 User Manual

2.4GHz Rubber Antenna

IPEX-1 Connector 5dBi Gain



Chengdu Ebyte Electronic Technology Co.,Ltd.

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1 Introduction

TX2400-JZLW-15 is a rubber antenna with 2.4Ghz frequency band, antenna size is about 165mm, IPEX-1 generation interface, suitable for 2.4Ghz frequency band equipment cabinet, control cabinet, logistics fleet, property security, hotel and catering, Chain companies, construction sites, outdoor self-driving radio enthusiasts, taxi teams and other related equipment.

2 Parameters

Electrical parameters	
Center frequency	2.4MHz
Antenna bandwidth	2.4~2.5GHz
Antenna gain	5dBi
Voltage standing wave ratio	≤1.5
Polarization direction	Vertical polarization
Radiation direction	Omnidirectional
Input resistance	50Ω
Power capacity	20W
Other Parameters	
Product size	165mm
Feeder length	150mm （customized length available）
Weight	20g
Color	Black
Interface	IPEX-1
Operating temp.	-40℃～+85℃
Storage temp.	-40℃～+85℃



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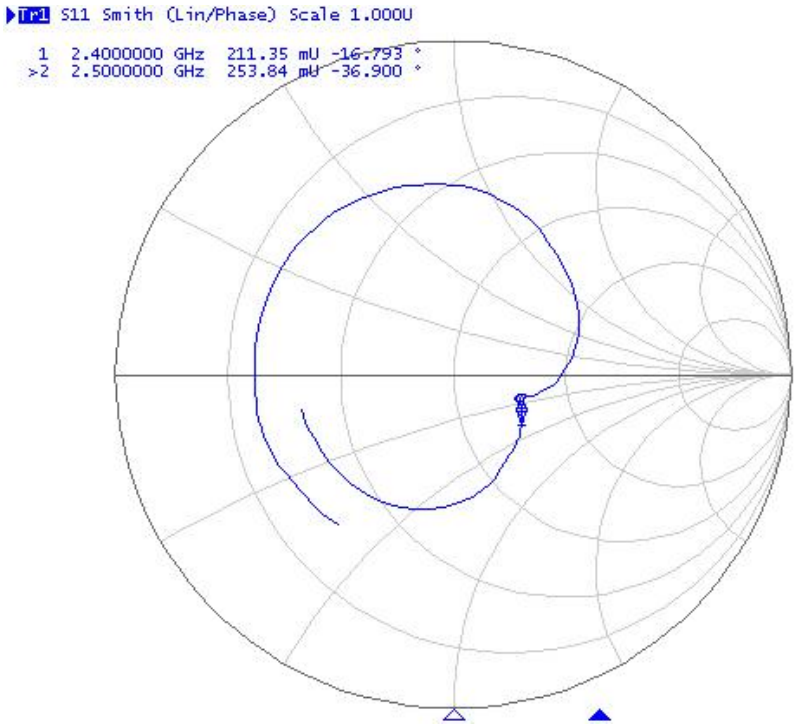
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3 Antenna features

VSWR



Smith Chart



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4 FAQ

- The antenna frequency must match the frequency of the wireless device, otherwise the communication effect will be poor;
- The lower the communication frequency and the longer the wavelength, the better the diffraction performance;
- When there is a straight-line communication obstacle, the communication distance will be attenuated accordingly;
- Please pay attention to the antenna radiation direction, the incorrect installation direction of the antenna leads to a short transmission distance;
- The ground absorbs radio waves, and the test result near the ground is poor. It is recommended to increase the height;
- Sea water has a strong ability to absorb radio waves, so the seaside test results are not good;
- If there is a metal object near the antenna or placed in a metal shell, the signal attenuation will be very serious;
- The poor impedance matching between the antenna and the communication device will lead to poor communication effects.

About us

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