

TX868-JZLW-15 User Manual

868MHz Rubber Antenna IPEX-1 Connector 3dBi Gain





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1 Introduction

TX868-JZLW-15 is a rubber antenna with 868Mhz frequency band, antenna size is about 165mm, IPEX-1 generation interface, suitable for 868Mhz 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

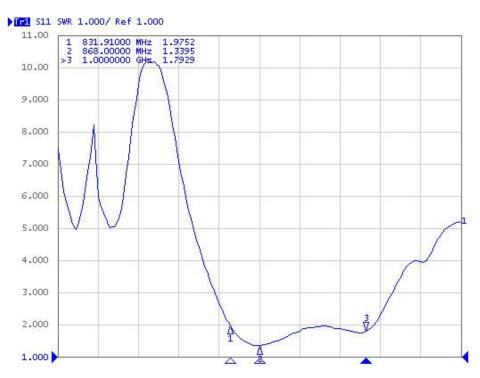
| Electrical parameters | | |
|-----------------------------|---------------------------------|--|
| Center frequency | 868MHz | |
| Antenna bandwidth | 832~920MHz | |
| Antenna gain | 3dBi | |
| Voltage standing wave ratio | ≤1.5 | |
| Polarization direction | Vertical polarization | |
| Radiation direction | 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°C∼+85°C | |
| Storage temp. | -40°C∼+85°C | |



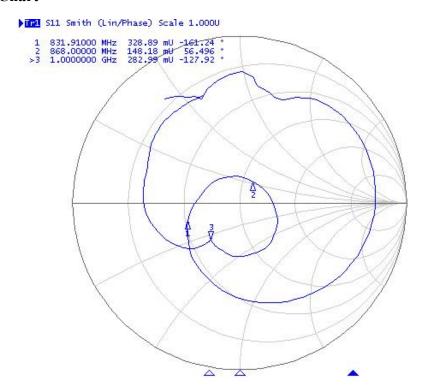


3 Antenna features

VSWR



Smith Chart





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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