



TX868-JZLW-15 User Manual

868MHz Rubber Antenna

IPEX-1 Connector 3dBi Gain



Contents

Disclaimer.....	2
1 Introduction.....	3
2 Parameters.....	3
3 Antenna features.....	4
4 FAQ.....	5
About us.....	5

Disclaimer

EBYTE reserves all rights to this document and the information contained herein. Products, names, logos and designs described herein may in whole or in part be subject to intellectual property rights. Reproduction, use, modification or disclosure to third parties of this document or any part thereof without the express permission of EBYTE is strictly prohibited.

The information contained herein is provided “as is” and EBYTE assumes no liability for the use of the information. No warranty, either express or implied, is given, including but not limited, with respect to the accuracy, correctness, reliability and fitness for a particular purpose of the information. This document may be revised by EBYTE at any time. For most recent documents, visit www.ebyte.com.

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.

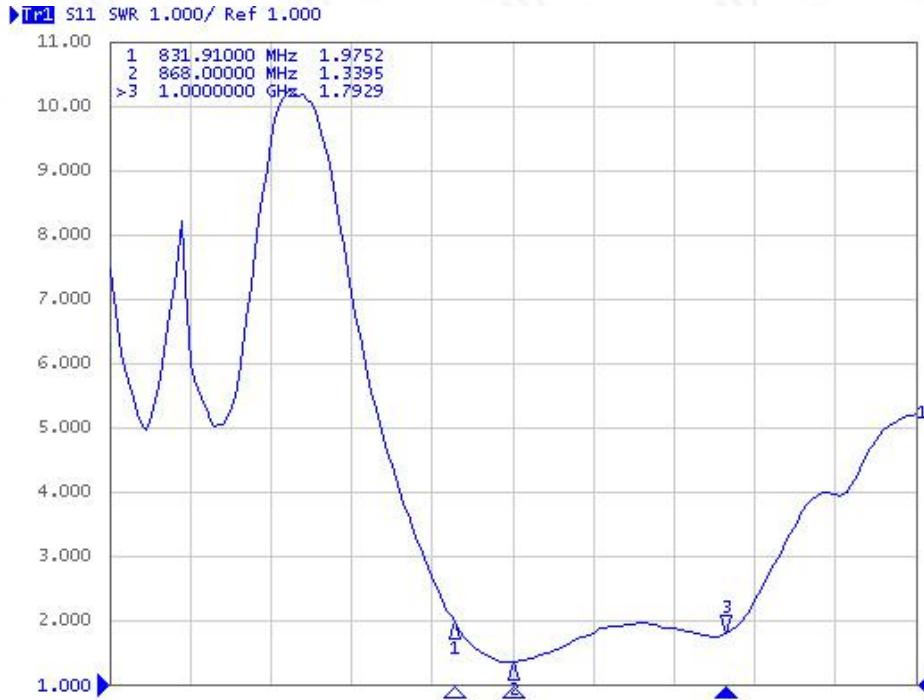
2 Parameters

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

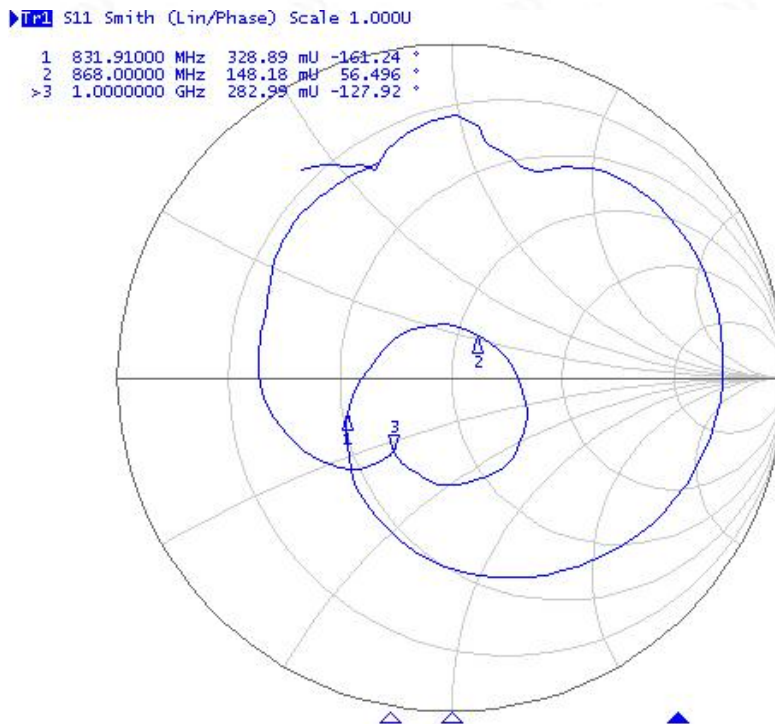


3 Antenna features

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

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

Phone: +86 028-61399028

Web: www.ebyte.com

Address: B5 Mould Park, 199# Xiqu Ave, High-tech District, Sichuan, China

 **Chengdu Ebyte Electronic Technology Co.,Ltd.**