

LB-LINK Antenna Specification

Manufacturer: Shenzhen Bilian Electronic Co., Ltd.
Address: Room 501, Building 3, No. 32, Dafu Road, Zhangge Community, Fucheng Street,
Longhua District, Shenzhen City, China

address information

TEL: 0755-29807378

FAX: 0755-28029002

LB-LINK PN: 10018310

Date: 2018/05/09

Revision History

Revision	Date	Note
V1.0	2022/03/21	Primary

Contents

Antenna introducing	P4
Features	P4
Antenna size.....	P4
Antenna electrical properties.....	P5
Antenna total gain and efficiency.....	P5

Antenna introducing

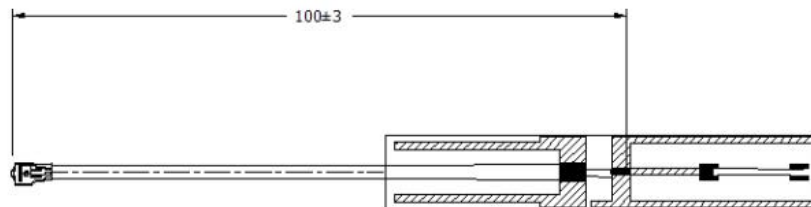
This antenna Made by PCB material, and work in 2.4~2.5GHz and 5.15~5.85GHz especially suit for WLAN system. Design by PIFA antenna theory, supply high gain ,high efficiency ,better port matching make wireless communication easily.

Features

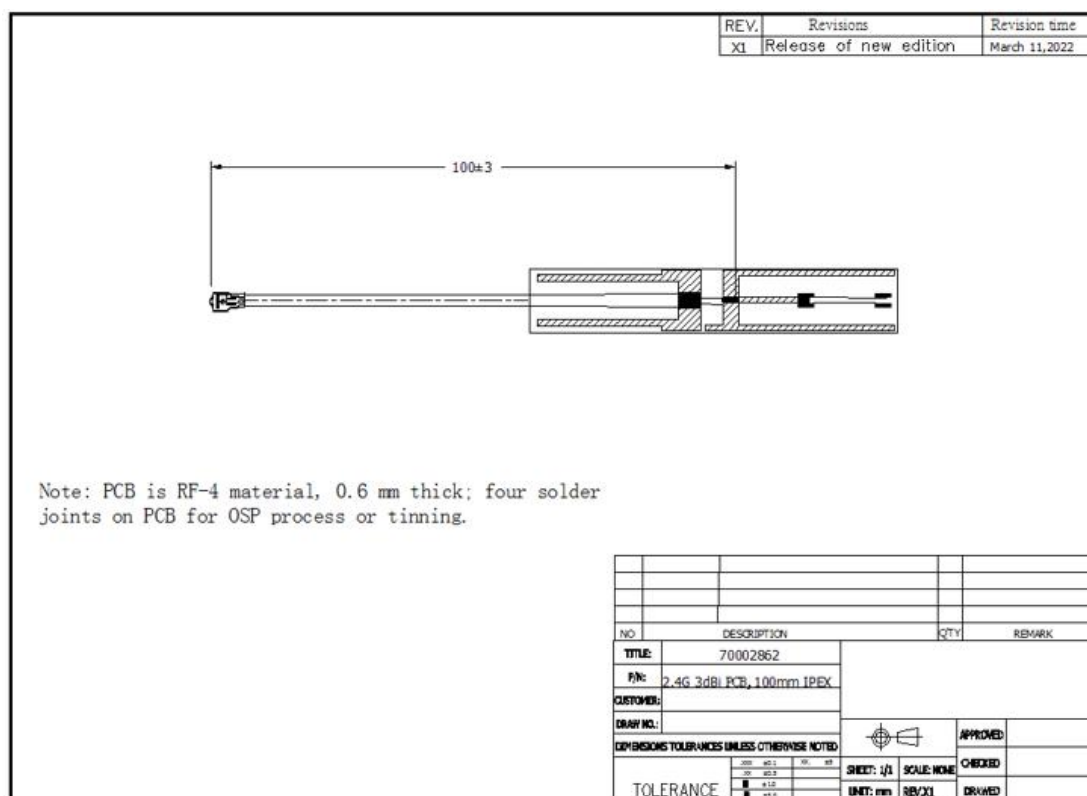
- IEEE802.11 b/g/n
- Peak gain 2.5dBI for 2.4G and 5G
- High efficiency
- Good port matching

Antenna size

47mm*8mm*0.17mm



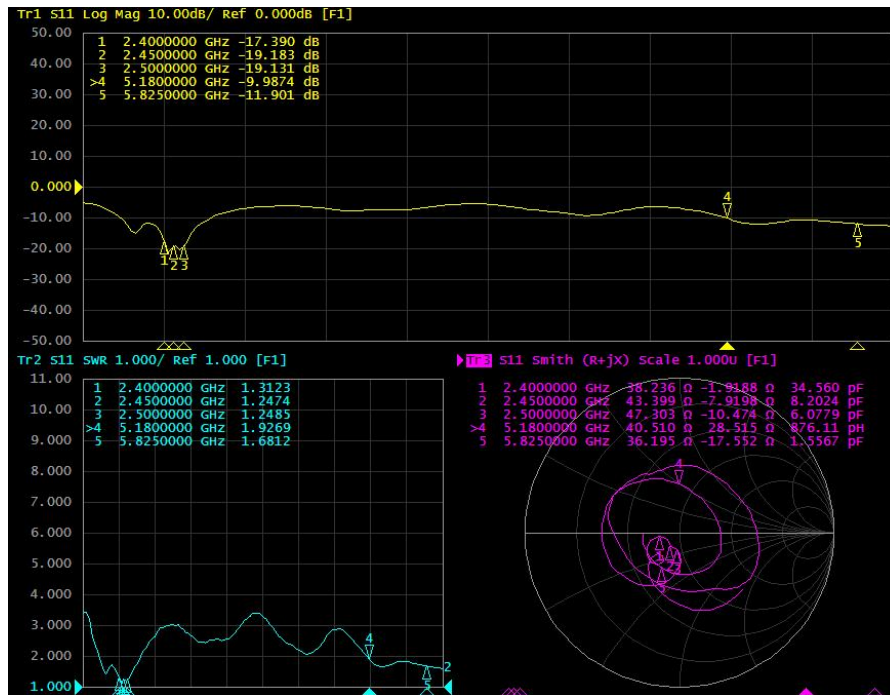
The cable is RF-Φ1.13 cable with IPEX and length is 100mm



Antenna electrical properties

Frequency	2.4~2.5GHz &5.15~5.85GHz
Impedance	50ohm nominal
V.S.W.R	≤2
Return loss	≤-8dB
Radiation	Omni-directional
Gain(Peak)	2G:2.5dBi
Polarization	Linear
Admitted Power	2W
Connector	IPEX
Efficiency	50%~70%
Cable	RF Φ 1.13 cable and length is 100mm

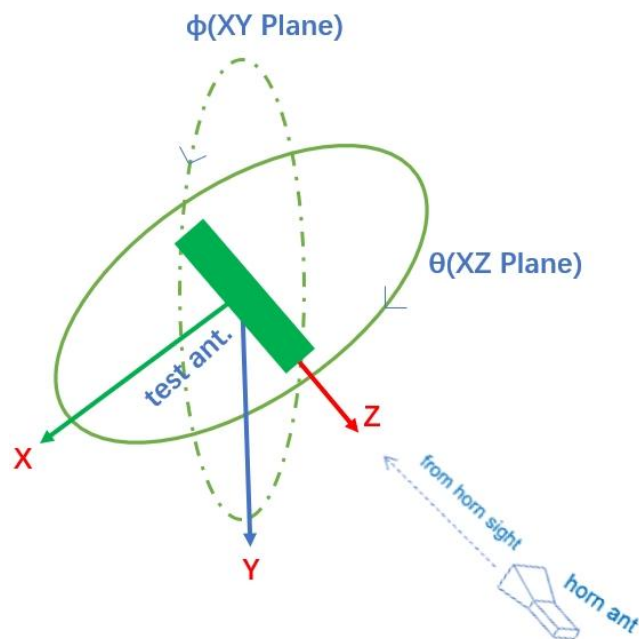
Antenna S-parameter



Return loss: $\leq -8\text{dB}$

VSWR: ≤ 2

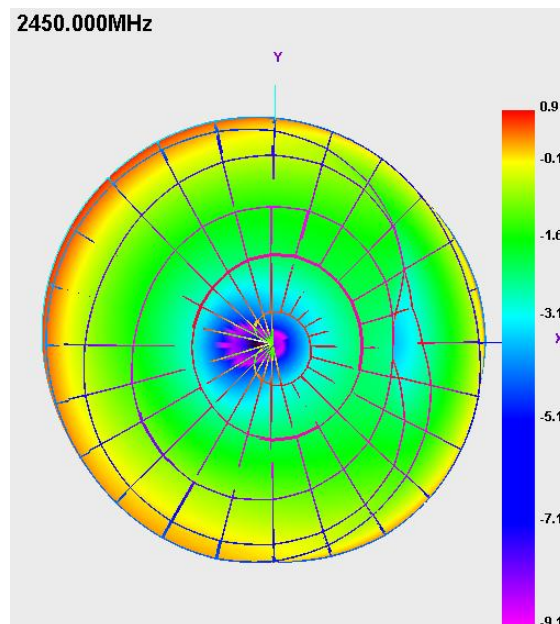
Antenna Radiation parameter



Antenna total gain and efficiency

	Freq. (MHz)	Gain (dBi)	Efficiency (%)
PCB_ANT	2400	2.45	65%
	2450	2.36	68%
	2500	2.52	67%
	5150	2.09	52%
	5470	2.42	55%
	5850	2.51	53%

2.4G Radiation Pattern



5G Radiation Pattern

