东莞市仁丰电子科技有限公司
Dongguan RF electronic technology Co.,LTD

Internal Antenna Specifications

Antenna Model：RFB0022

Dongguan head office address: Building BC, No. 3, Shayuan 1st Road, Keyuan City, Tangxia Town, Dongguan City
Shenzhen branch address: 1st floor, Building 2, No. 335, Zhuguang West Road, Nanshan District, Shenzhen City
Taiwan branch address: 4th floor, No. 65, Gaotie 7th Road, Taipei City, Hsinchu County
Telephone:0755 -86237892
Fax:0755 - 86104325
website：Http://rflink.net.cn
Sale:rflink01@rflink.net.cn
support:rflink02@rflink.net.cn

目录

1.Product Description.....4
2.Product Features.....4
3.Specifications.....4
4.Antenna radiation pattern.....5
5.Antenna size.....6

Disclaimer
The information in this document is related to RFLINK antenna products. RFLINK may change any information in this document at any time without prior notice!

1.Product Description

This product is a high-efficiency, high-gain internal antenna that complies with IEEE 802.11b/g/n standards and can be widely used in WIFI 2.4GHz terminal products.

2.Product Features

a. Maximum gain 3.0dbi
b. High radiation efficiency
c. Simple assembly
d. Compliant with IEEE 802.
11b/g/n standards

Figure 1 Antenna RFB0022

3.Specifications

Standard 标准	IEEE 802.11a/b/g/n
Frequency 频率范围	2.4~2.5GHz
Impedance 特性阻抗	50Ω
S.W.R. 电压驻波比	2:1
Antenna Gain 增益	3.0±0.5dBi
Polarization 极化形式	Linear
Max Input Power 最大输入功率	1W(30dBm)
Cable Type 射频线型号	/
Antenna Dimensions 尺寸	15mm×12.6mm×5mm

4.Antenna radiation pattern

The antenna is installed in the motherboard of the 170*115*2.2mm model, made of ABS plastic. The test is placed at both ends of the far-field darkroom of 7m×3m×3m, with a distance of 3 meters between them. Then the prototype is established for communication testing. The test prototype rotates 360 degrees at a rotation angle of 30 degrees, and the overall space is divided into three three-dimensional directions of x, y, and z for testing.

a.3D radiation field

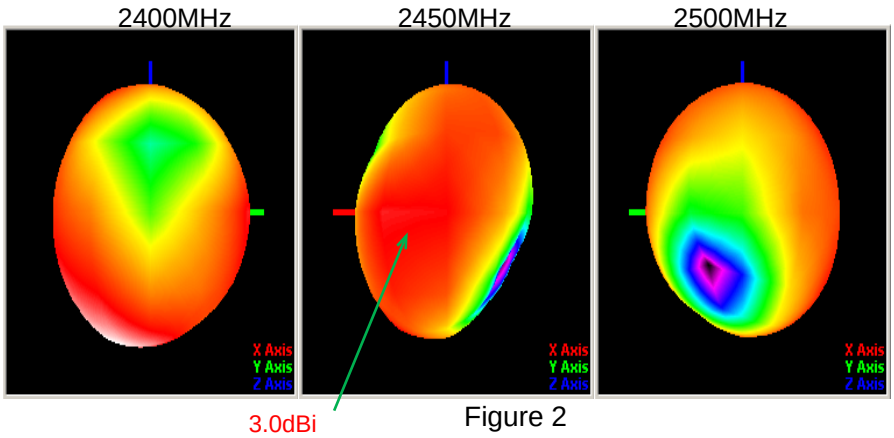
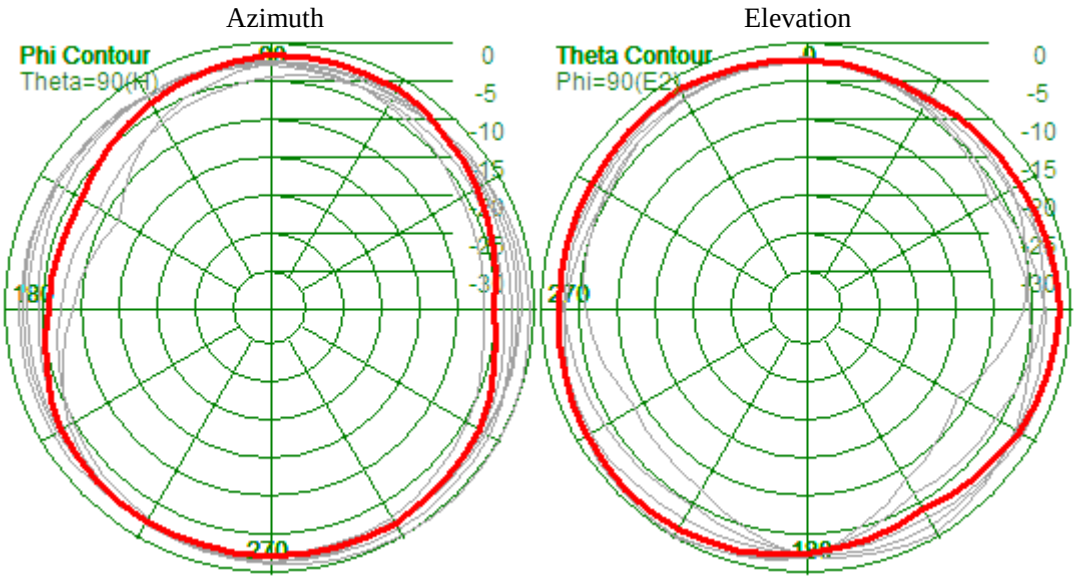


Figure 2

Antenna RFB0022radiation field(3D)

b.2D radiation field



2450MHz

Figure 2

Antenna RFB0022radiation field(2D)

5.Antenna size