

产品规格承认书

SPECIFICATIONS

Manufacturer: Guangzhou Stars Pulse Co., Ltd.

产品名称:

DESCRIPTION: Chip antenna

客户型号:

CUSTOMER PART NO:

产品型号:

OUR MODEL NO: PBX3216MA01

日期:

DATE: 2019/10/28

PBX3216MA01 Specification

Operating Temp. : -40°C~+85°C

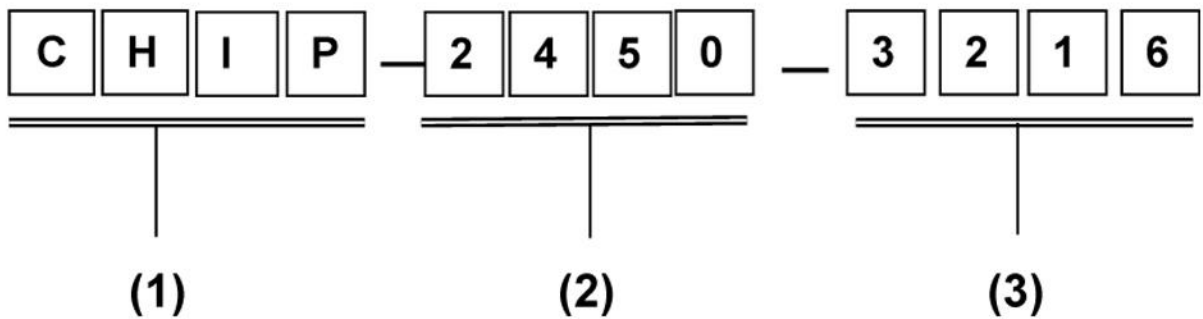
1. FEATURES:

- Light weight, compact
- Wide bandwidth, low cost
- Built-in antenna with high gain

2. APPLICATIONS:

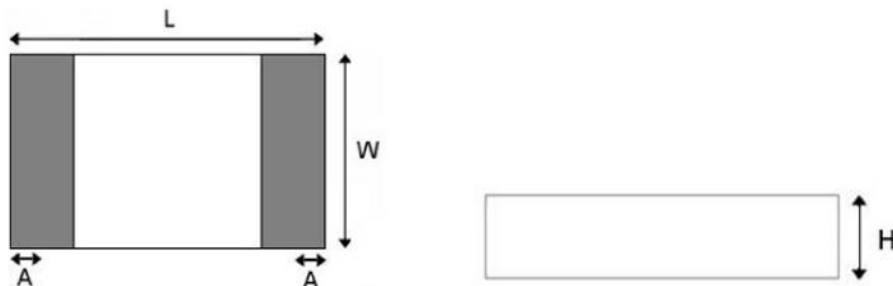
- Bluetooth, Wireless LAN, Mobile TV
- Home RF System, etc

3. PRODUCT IDENTIFICATION



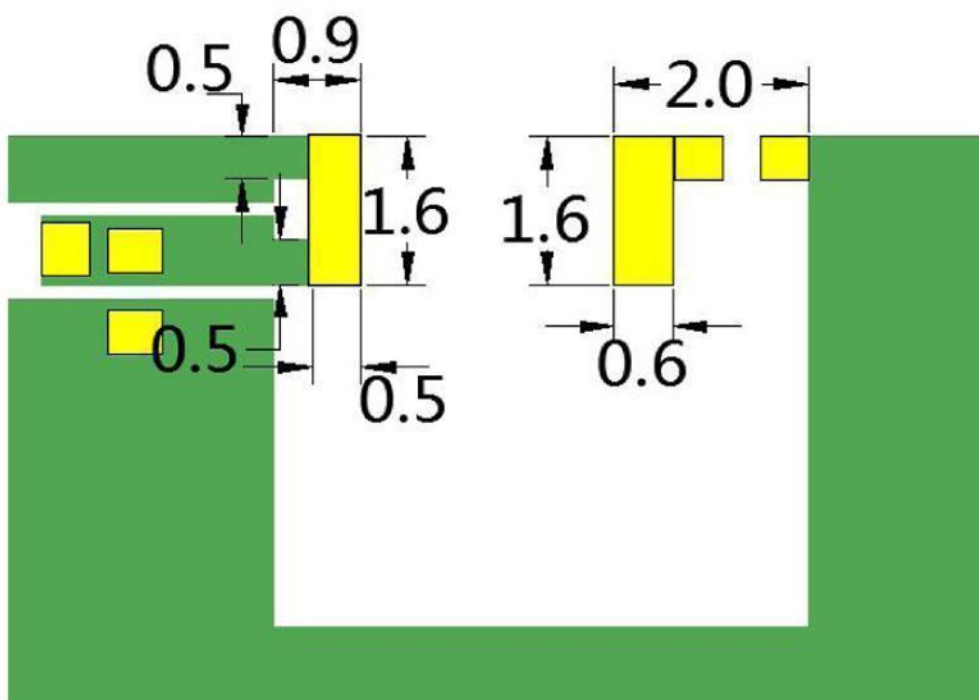
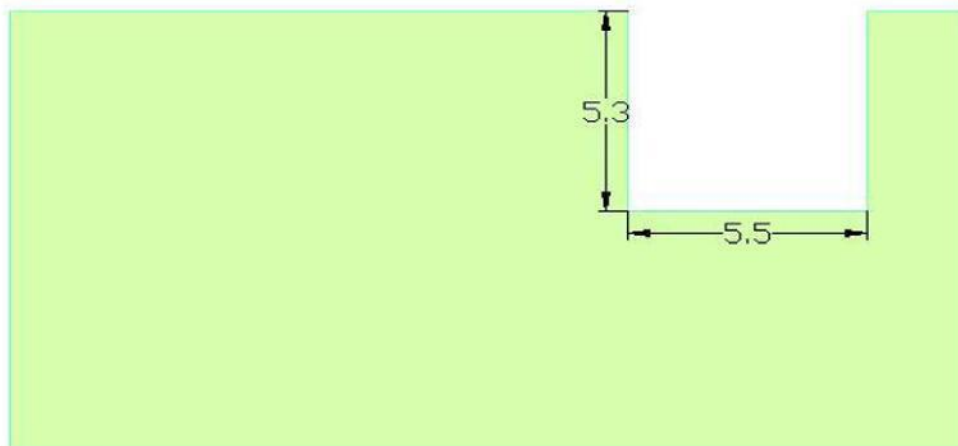
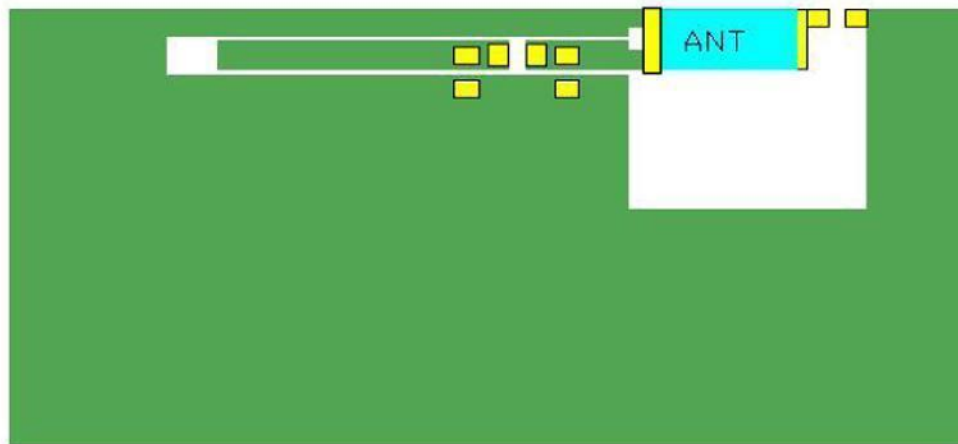
- (1) Product type: Multilayer chip Antenna
(2) Center Frequency: 2450MHz
(3) External Dimensions (L×W) (mm): 3.2*1.6

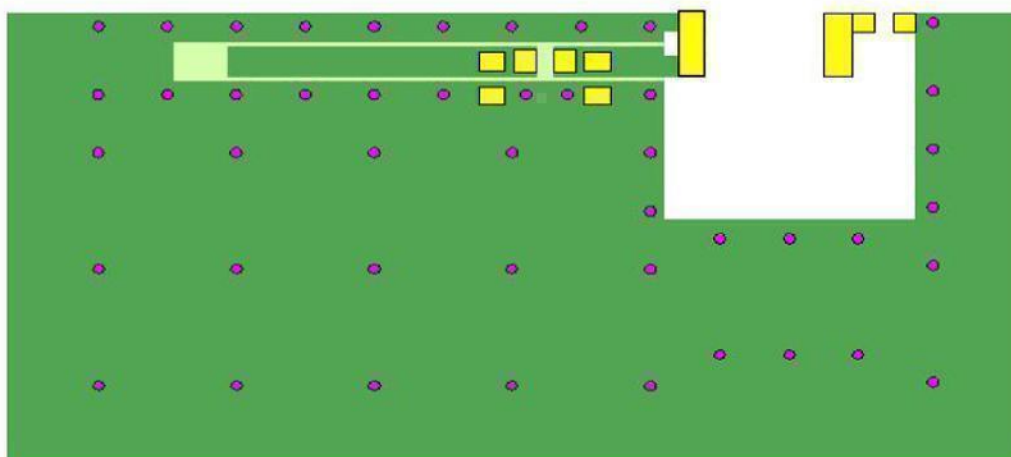
4. SHAPE AND DIMENSIONS:



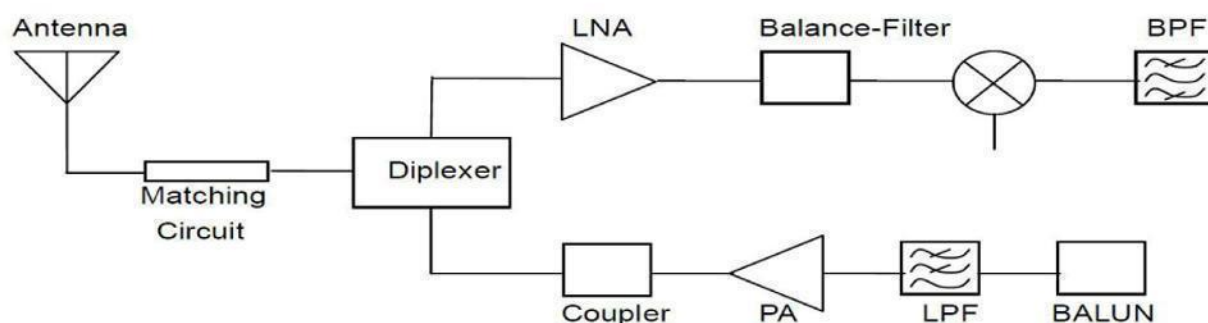
L	W	H	A
3.2±0.2	1.6±0.2	0.52±0.1	0.4±0.1

mm





APPLICATION GUIDE



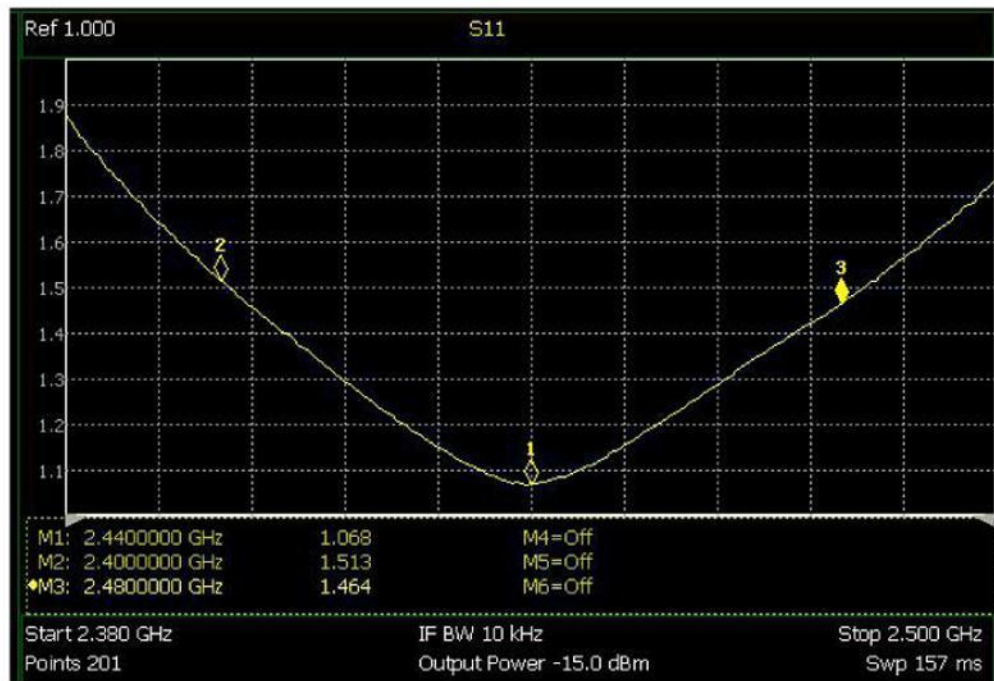
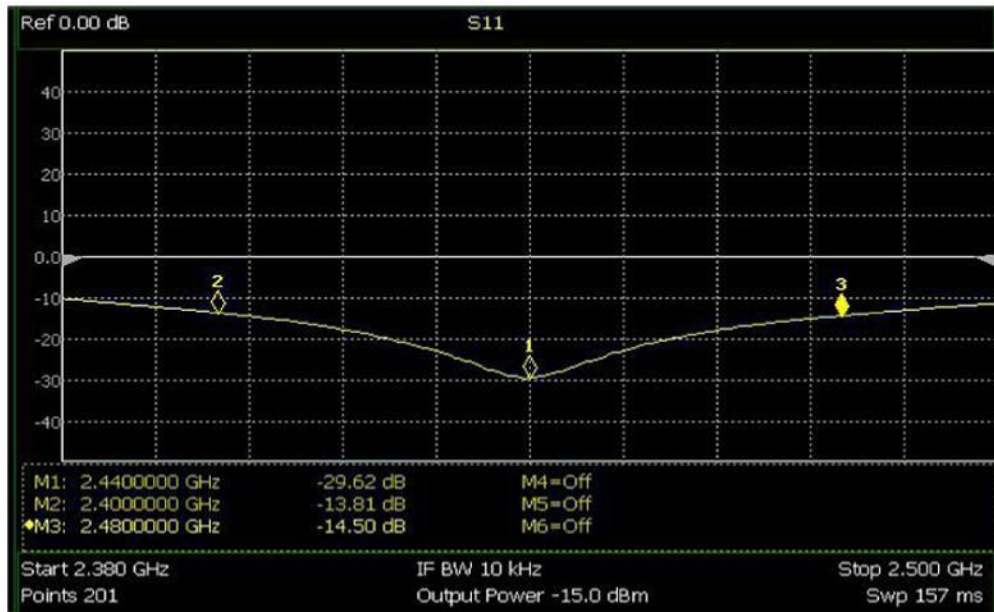
5. SPECIFICATIONS:

Test item	specification
bandwidth	2400~2483MHz
Polarization mode	Linear polarization
* Maximum gain	2.67dBi
* Efficiency	72.30%
Input impedance	50 Ω

* Test condition: Test board size 90*40 mm

Matching circuit: Pi matching circuit will be required

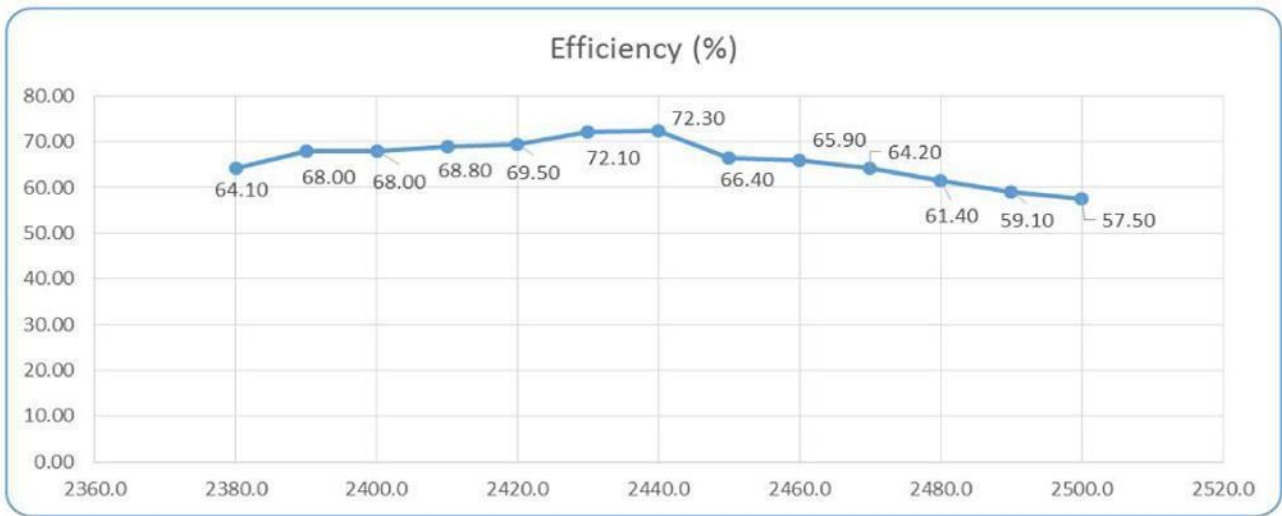
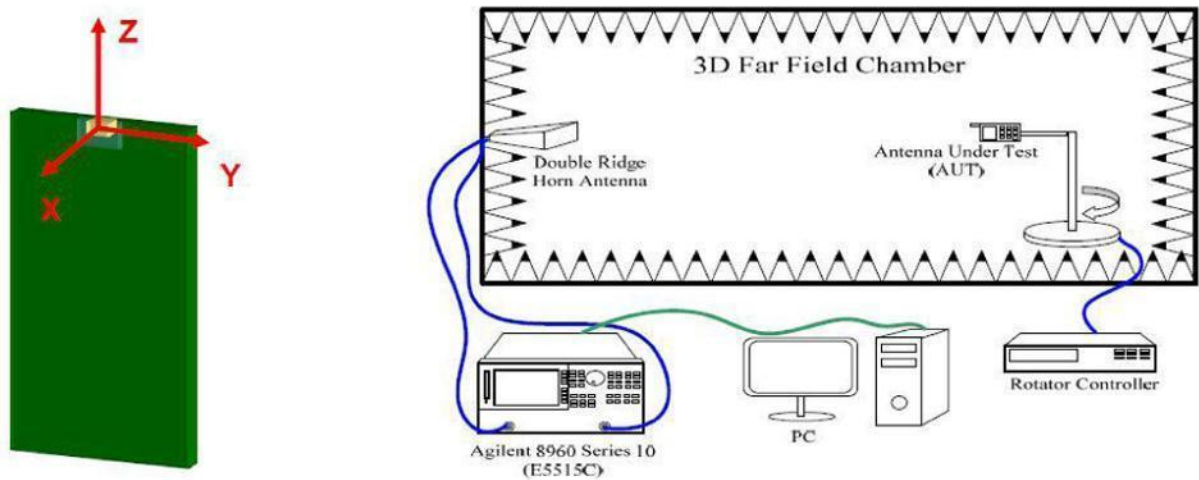
6. Electrical Characteristics :



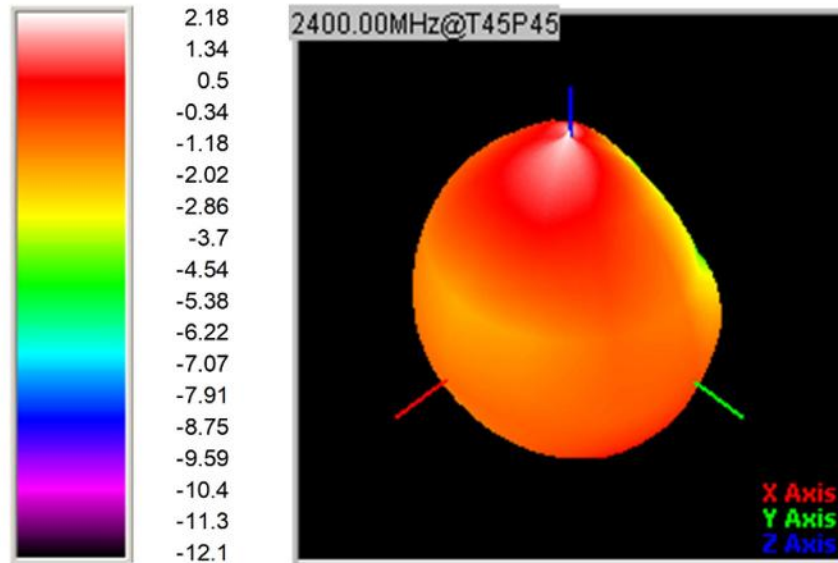
Mark	Frequency	VSWR
1	2400 MHz	1.513
2	2440 MHz	1.068
3	2480 MHz	1.464

Radiation Pattern

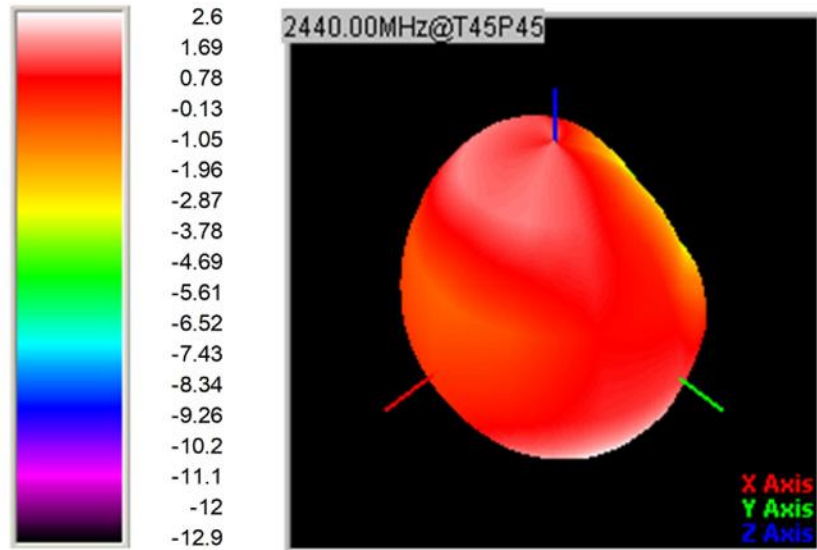
The Gain pattern is measured in FAR-field chamber. DUT is placed on the table of rotator,a standard horn antenna and Vector Network Analyzer is used to collect data.



© 3D Gain Pattern (2400 MHz)



© 3D Gain Pattern (2440 MHz)



© 3D Gain Pattern (2480 MHz)

