

产品规格承认书

SPECIFICATIONS

Manufacturer: Shenzhen Pengbian Industrial Technology Co., LTD

Address: Room 605, Building 4, 1970 Science Park, Minzhi
Community, Minzhi Street, Longhua District, Shenzhen

CUSTOMER PART NO: _____

产品型号:

OUR MODEL NO: PBX2012MA02

日期:

DATE: 2020/12/22

确认签字, 盖章后请返回承认书一份

PLEASE RETURN TO US ONE COPY OF “SPECIFICATION FOR
APPROVAL” WITH YOUR APPROVED SIGNATURES

核准	王海	审核	刘飞	制作	刘小美
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客户确认签章 (APPROVED SIGNATURE)			

PBX2012MA02 Specification

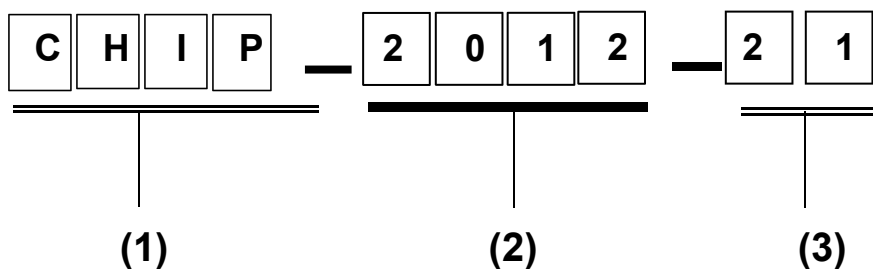
Operating Temp. : -40°C~+85°C

1. FEATURES:

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

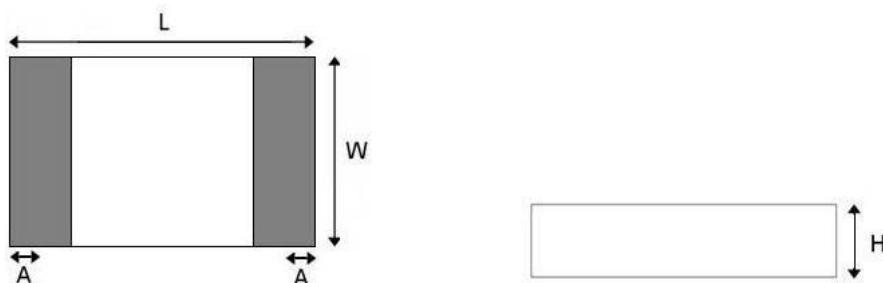
2. APPLICATIONS:

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

3. PRODUCT IDENTIFICATION

(1) Product type: Multilayer chip Antenna

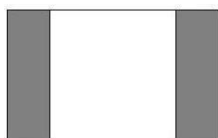
(2) External Dimensions (L×W) (mm): 2.0*1.2

4. SHAPE AND DIMENSIONS:**SHAPE AND DIMENSIONS**

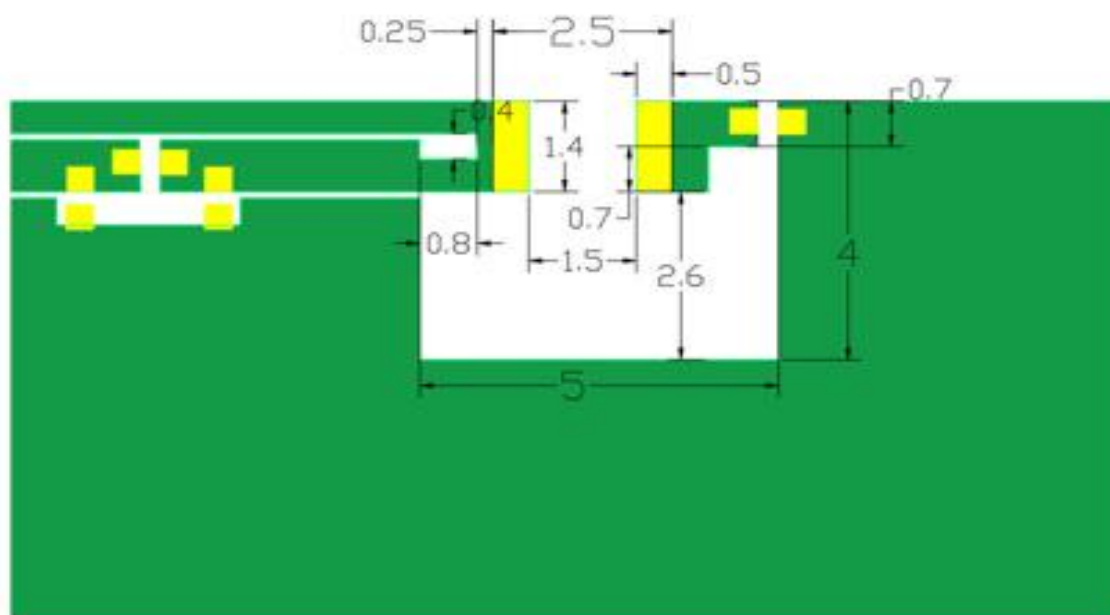
L	W	H	A
2.0±0.2	1.2±0.2	0.55±0.1	0.4±0.1

UNLESS OTHER SPECIFIED TOLERANCES ON: X=± X.X=± X.XX=± ANGLES=± HOLEDIA=±		 深圳市朋伴兴业科技有限公司	
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DESIGNED BY: Sera	APPROVED BY: XD		
TITLE: CHIP2450-21 Specification		DOCUMENT NO.	2012
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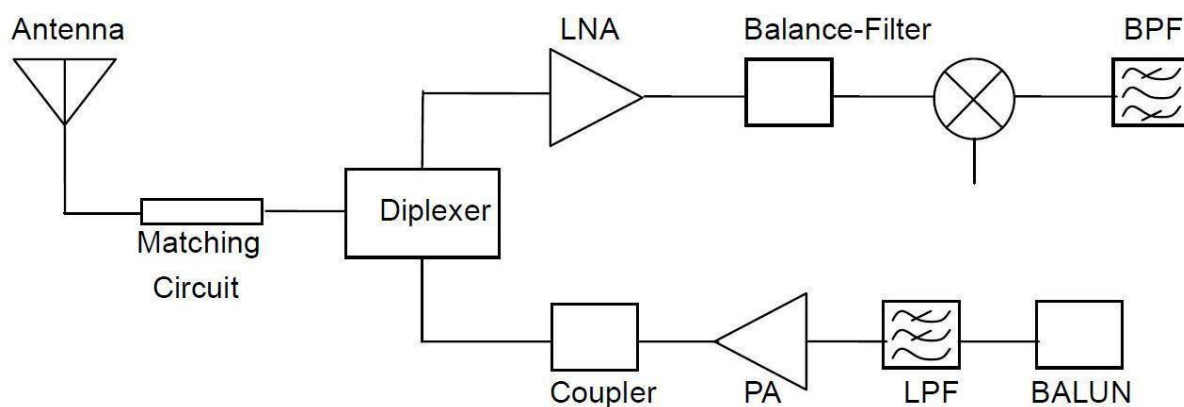
TERMINAL-CONFIGURATION



EVALUATION BOARD



APPLICATION GUIDE



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5. SPECIFICATIONS:

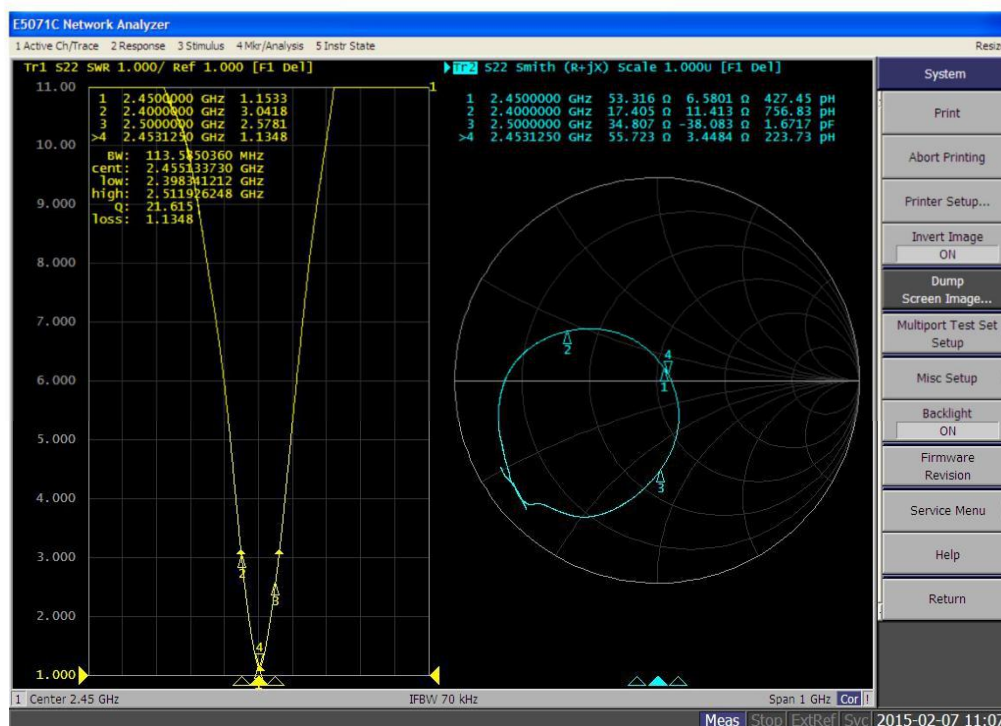
ITEM	SPECIFICATION
Frequency Band	2400MHz~2483MHz
VSWR	Less than 3
Polarization	Linear
*Peak Gain	2.48 dBi Typ.
*Peak Efficiency	72.6% Typ.
Impedance	50 Ω Typ.

* Test condition: Test board size 98*65 mm

Matching circuit: Pi matching circuit will be required

6. Electrical Characteristics :

VSWR



Mark	Frequency	VSWR
1	2400 MHz	3.04
2	2450 MHz	1.15
3	2500 MHz	2.57

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$X=\pm$ $X.X=\pm$ $X.XX=$
 $ANGLES=\pm$ $HOLEDIA=\pm$

SCALE: N/A

UNIT: mm

DRAWN BY : Sera

CHECKED BY: XD

DESIGNED BY: Sera

APPROVED BY: XD



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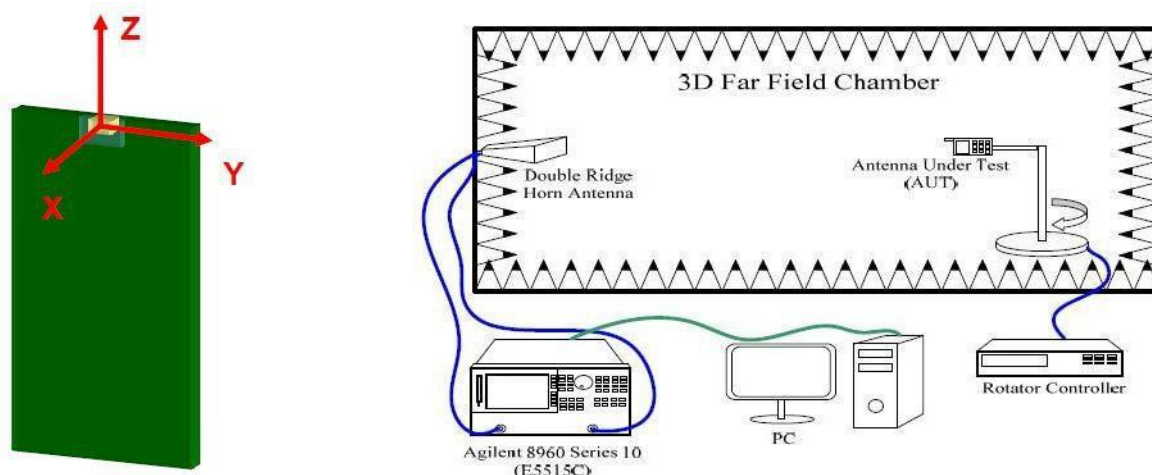
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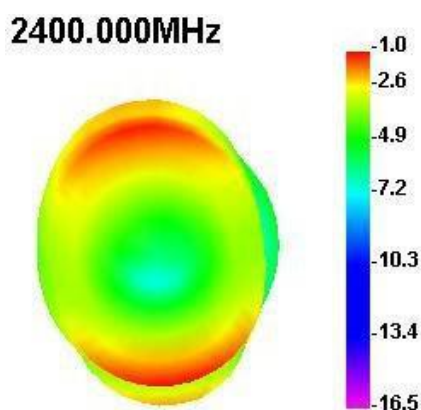
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Radiation Pattern

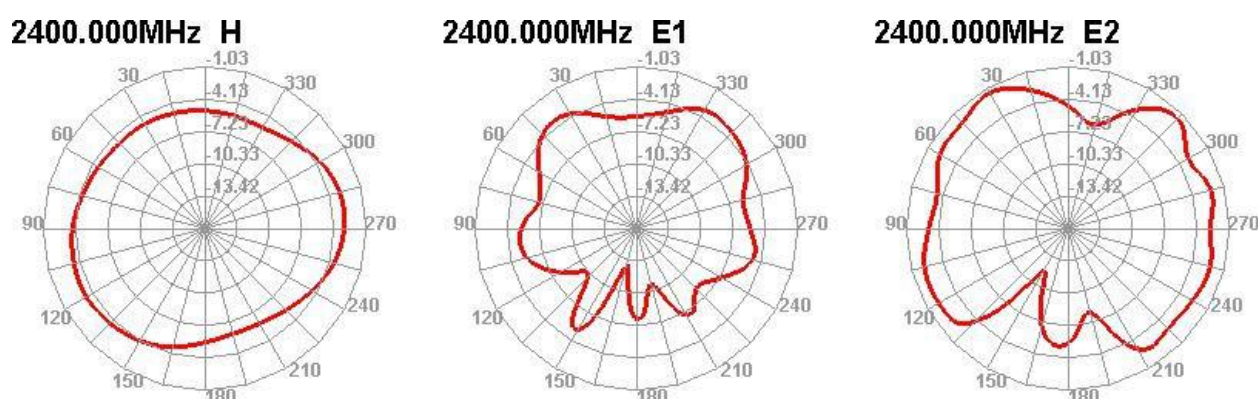
The Gain pattern is measured in INPAQ's FAR-field chamber. DUT is placed on the table of rotator,a standard horn antenna and Vector Network Analyzer is used to collect data.



© 3D Gain Pattern (2400 MHz)



© 2D Gain Pattern (2400 MHz)



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