Manufacturer :Shenzhen Pengban Xingye Technology Co., LTD
Address :Room 605, Building 4, 1970 Science and Technology Park, Minzhi Community, Minzhi Sub-district, Longhua District Shenzhen City

产品规格承认书

SPECIFICATIONS

客户:

CUSTOMER: _____

产品名称:

DESCRIPTION: Chip Antenna

客户型号:

CUSTOMER PART NO:_____

产品型号:

OUR MODEL NO: PBX2012MA04

日期:

DATE:_____

PBX2012MA04 Specification

Operating Temp. : -40℃~+85℃

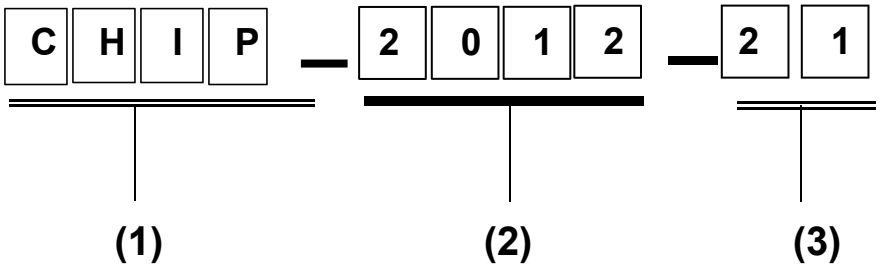
1. FEATURES:

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

2. APPLICATIONS:

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

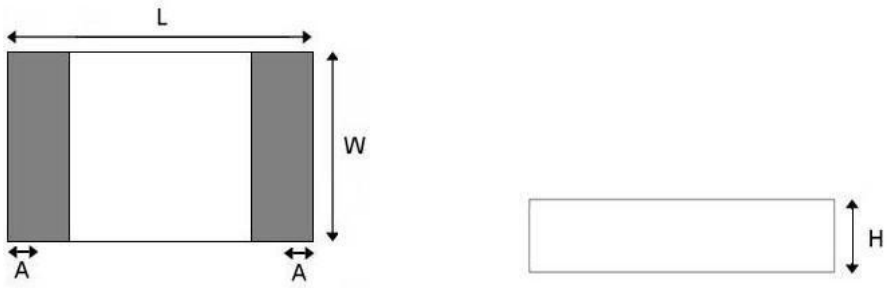
3. PRODUCT IDENTIFICATION



(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=±

PENGBANXING

SCALE：N/A	UNIT：mm
DRAWN BY : Sera	CHECKED BY: XD
DESIGNED BY: Sera	APPROVED BY: XD

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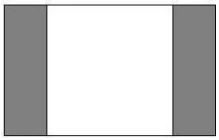
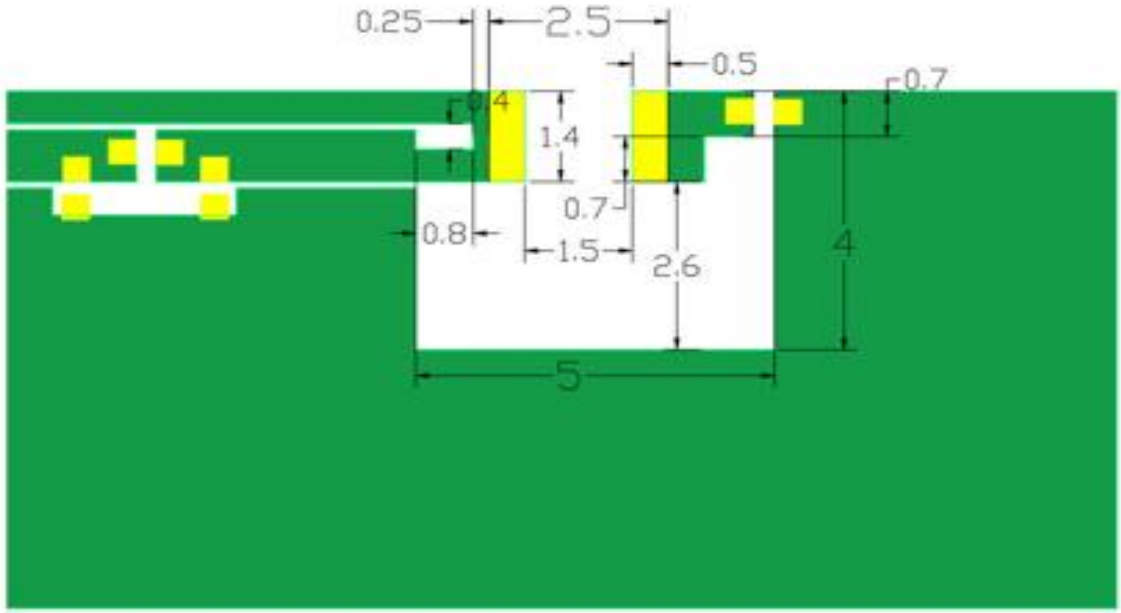
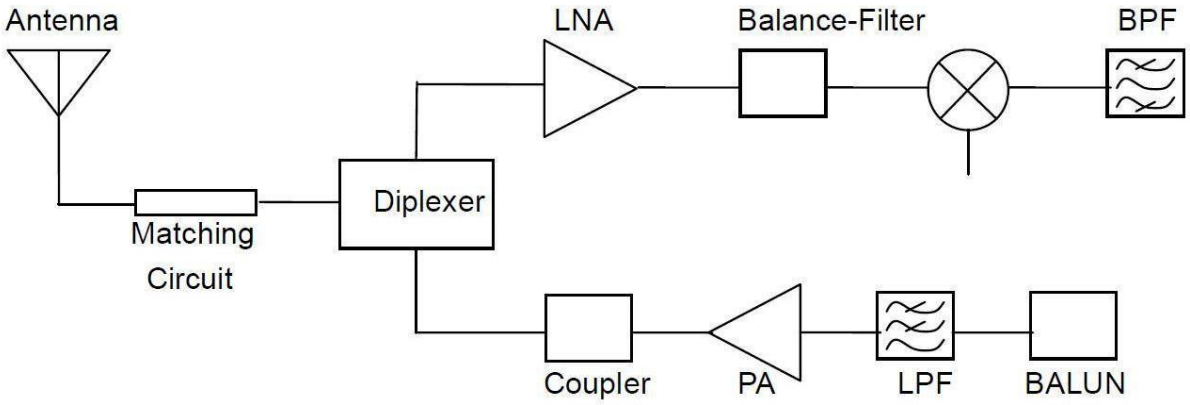
TERMINAL-CONFIGURATION



EVALUATION BOARD



APPLICATION GUIDE



UNLESS OTHER SPECIFIED TOLERANCES ON: X=± X.X=± X.XX= ANGLES=± HOLEDIA=±	PENGBANXING
SCALE: N/A	UNIT: mm
DRAWN BY : Sera	CHECKED BY: XD
DESIGNED BY: Sera	APPROVED BY: XD

TITLE: CHIP2450-21 Specification	DOCUMENT NO. 2012	SPEC REV. P1

5. SPECIFICATIONS:

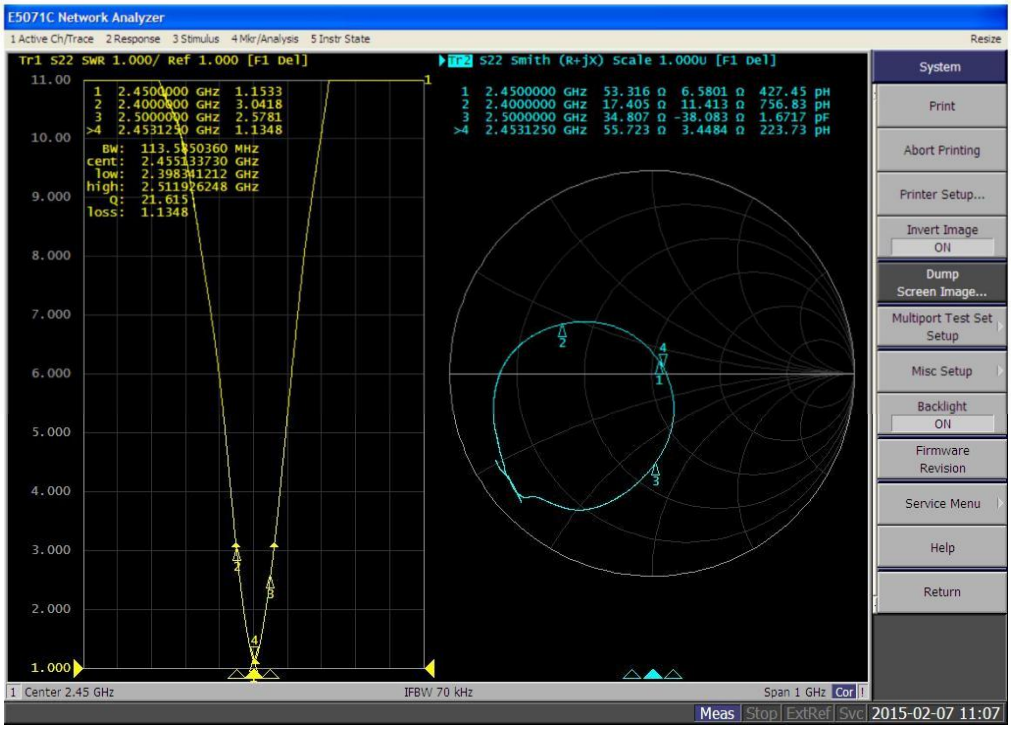
ITEM	SPECIFICATION
Frequency Band	2400MHz～2483MHz
VSWR	Less than 3
Polarization	Linear
*Peak Gain	2.48 dBi Typ.
*Peak Efficiency	72.6% Typ.
Impedance	50Ω Typ.

* 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

UNLESS OTHER SPECIFIED TOLERANCES ON:
X=± X.X=± X.XX=
ANGLES=± HOLEDIA=±

PENGBANXING

SCALE：N/A	UNIT：mm
DRAWN BY : Sera	CHECKED BY: XD
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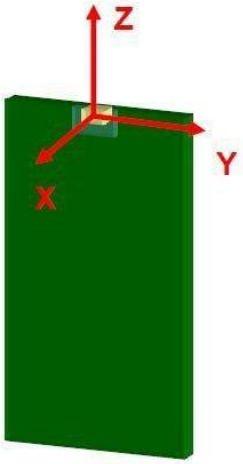
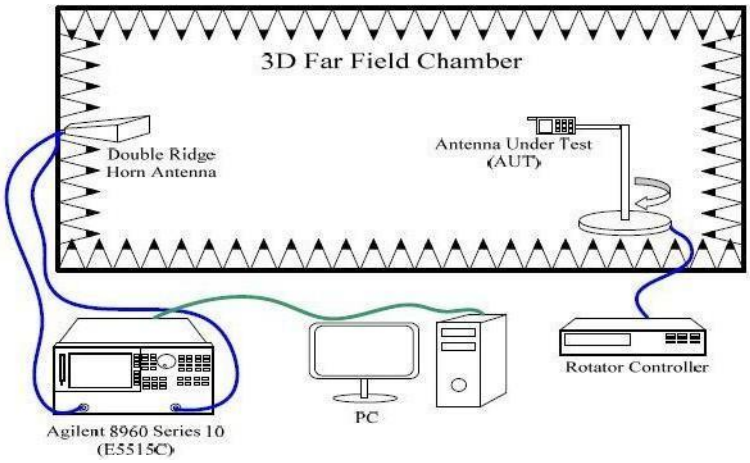
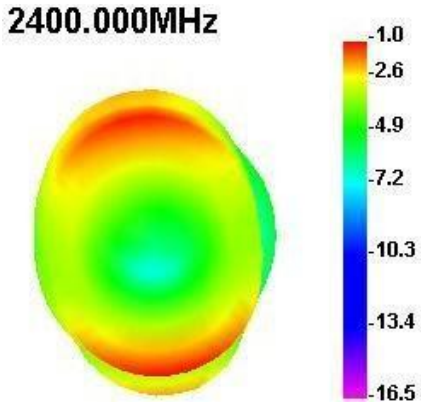
Radiation Pattern

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.

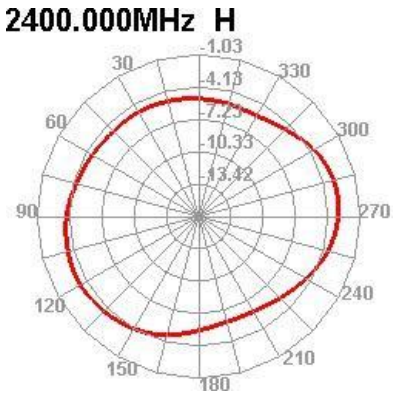


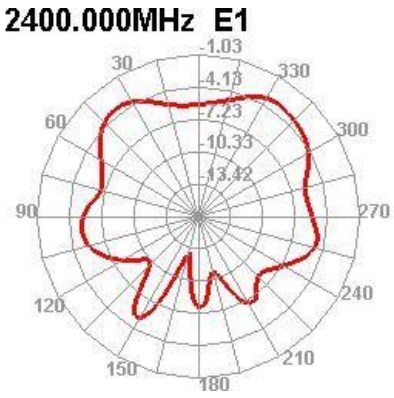


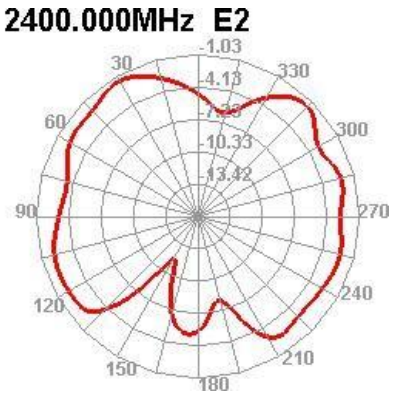
◎ 3D Gain Pattern (2400 MHz)



◎ 2D Gain Pattern (2400 MHz)







UNLESS OTHER SPECIFIED TOLERANCES ON: X=± X.X=± X.XX= ANGLES=± HOLEDIA=±		PENGBANXING	
SCALE: N/A	UNIT: mm	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY TECHNOLOGY Limited AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
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DESIGNED BY: Sera	APPROVED BY: XD		
TITLE: CHIP2450-21 Specification		DOCUMENT NO. 2012	SPEC REV. P1