

Shenzhen Pengban Xingye Technology Co.,Ltd

Address:Room 608, Building 4, 1970 Science and Technology Park, Minzhi Community,
Minzhi Street Longhua District, Shenzhen, China.

产品规格承认书

SPECIFICATIONS

DESCRIPTION: MultilayerchipAntenna

OUR MODEL NO: PBX2012MA08

PBX2012MA08 Specification

Operating Temp. : -40°C~+85°C

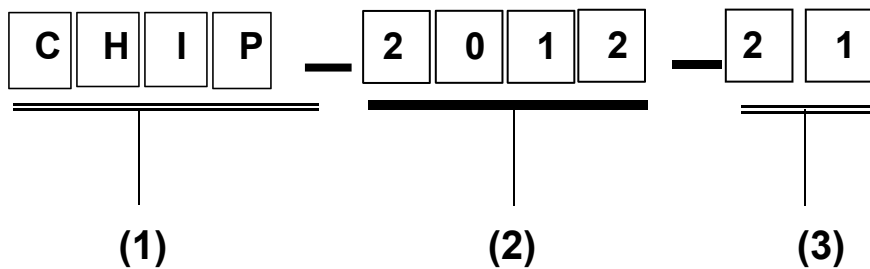
1. FEATURES:

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

2. APPLICATIONS:

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

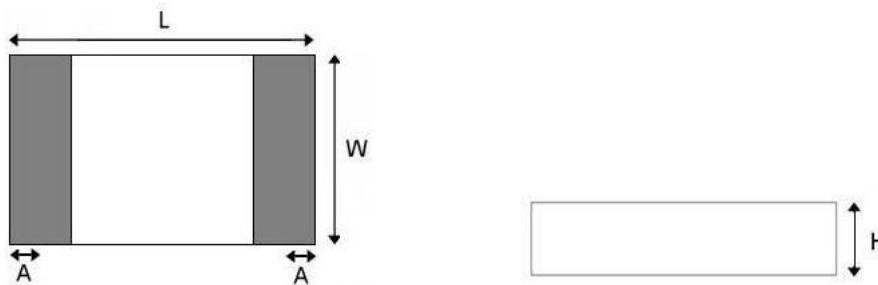
3. PRODUCT IDENTIFICATION



(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

SCALE: N/A

UNIT: mm

DRAWN BY: Sera

CHECKED BY: XD

DESIGNED BY: Sera

APPROVED BY: XD

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

TITLE: CHIP2450-21 Specification

DOCUMENT NO.

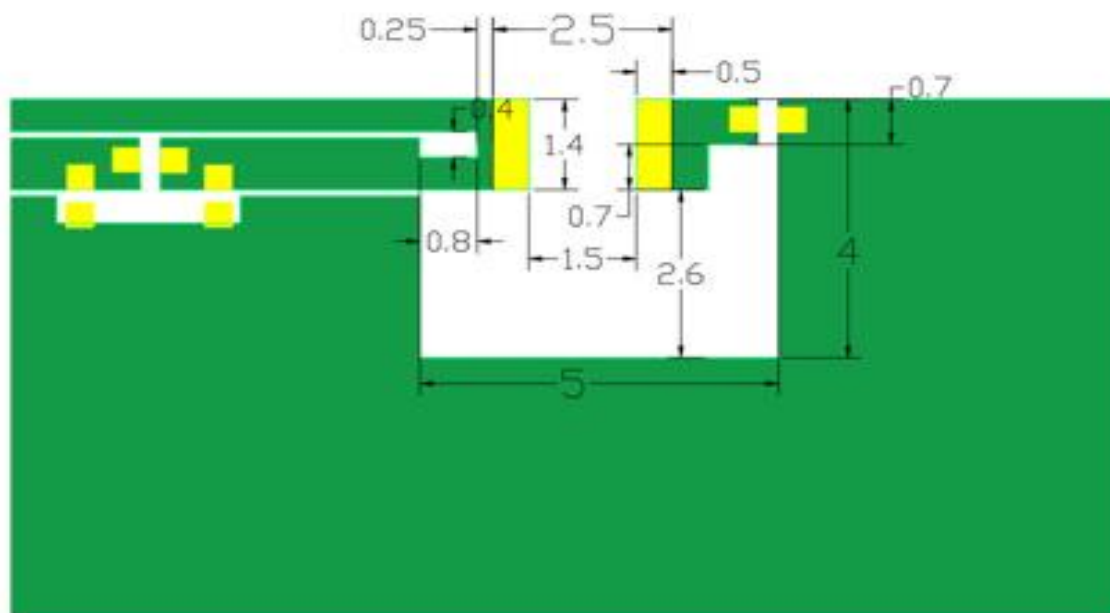
2012

SPEC REV.
P1

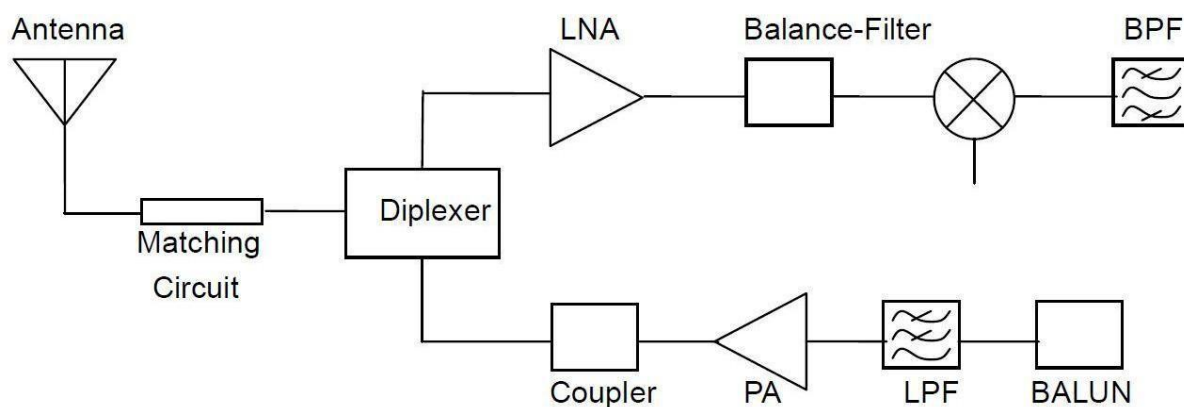
TERMINAL-CONFIGURATION



EVALUATION BOARD



APPLICATION GUIDE



UNLESS OTHER SPECIFIED TOLERANCES ON: $X = \pm$ $X.X = \pm$ $X.XX =$ ANGLES = $\pm$ HOLEDIA = $\pm$		 深圳市朋伴兴业科技有限公司	
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	
DRAWN BY : Sera	CHECKED BY: XD		
DESIGNED BY: Sera	APPROVED BY: XD		
TITLE: CHIP2450-21 Specification		DOCUMENT NO.	2012
			SPEC REV. P1

5. SPECIFICATIONS:

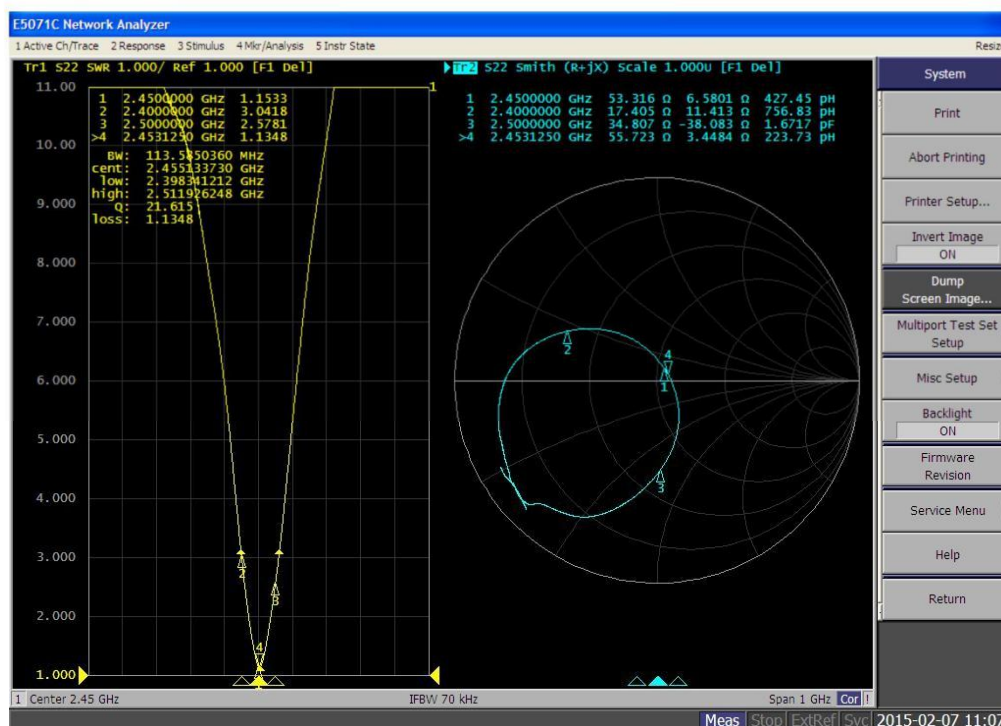
ITEM	SPECIFICATION
Frequency Band	2400MHz~2483MHz
VSWR	Less than 3
Polarization	Linear
*Peak Gain	2.48 dBi Typ.
*Peak Efficiency	72.6% Typ.
Impedance	50 Ω Typ.

* 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

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

SCALE: N/A

UNIT: mm

DRAWN BY : Sera

CHECKED BY: XD

DESIGNED BY: Sera

APPROVED BY: XD

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

TITLE: CHIP2450-21 Specification

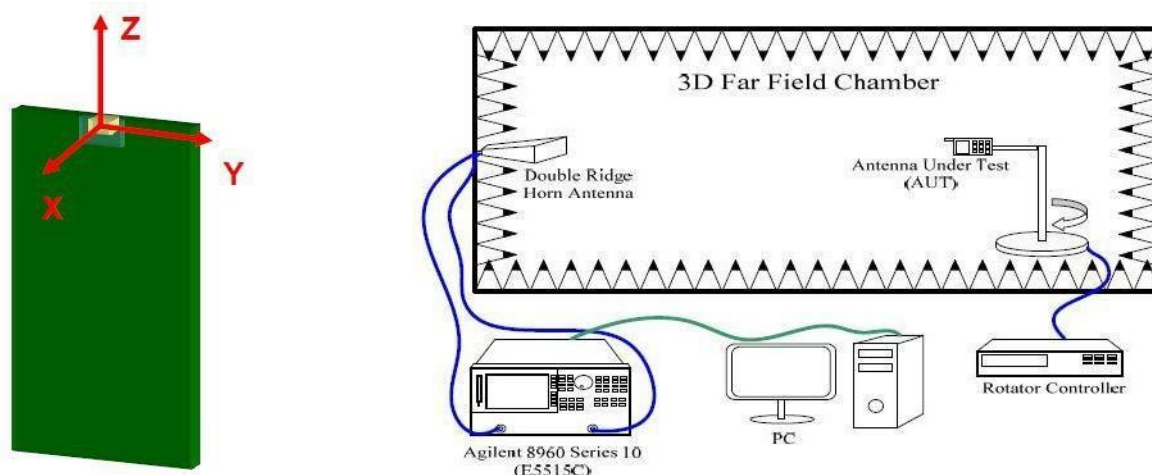
DOCUMENT NO.

2012

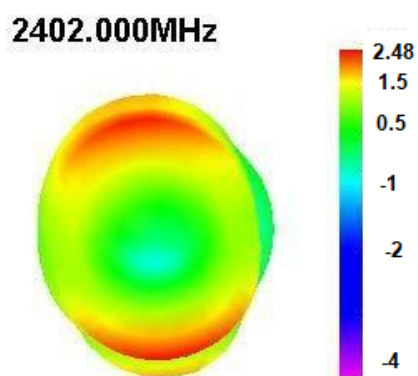
SPEC REV.
P1

Radiation Pattern

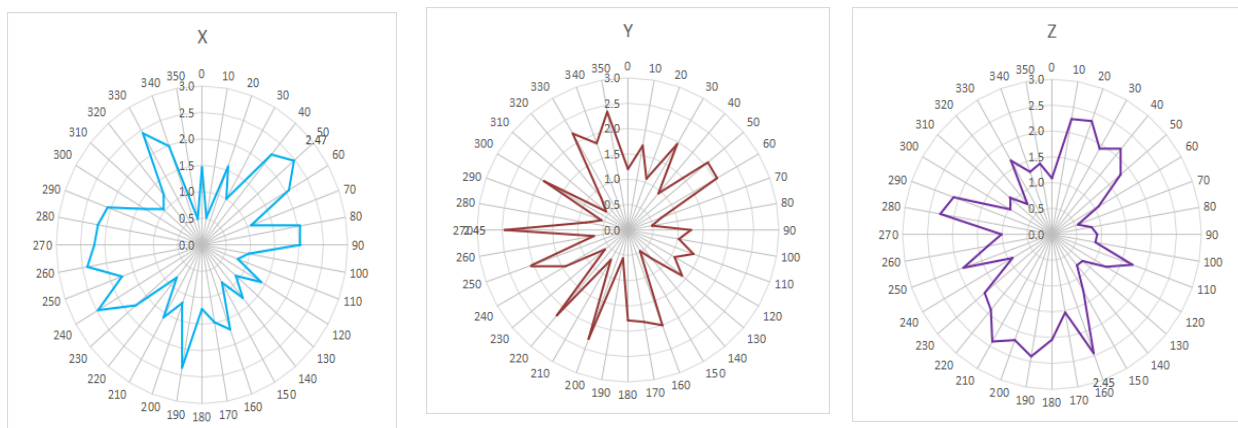
The Gain pattern is measured in INPAQ's FAR-field chamber. DUT is placed on the table of rotator, a standard horn antenna and Vector Network Analyzer is used to collect data.



© 3D Gain Pattern



© 2D Gain Pattern



UNLESS OTHER SPECIFIED TOLERANCES ON: $X = \pm$ $X.X = \pm$ $X.XX =$ ANGLES = $\pm$ HOLEDIA = $\pm$		 深圳市朋伴兴业科技有限公司	
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	
DRAWN BY : Sera	CHECKED BY: XD		
DESIGNED BY: Sera	APPROVED BY: XD		
TITLE: CHIP2450-21 Specification		DOCUMENT NO.	2012
			SPEC REV. P1