

SPECIFICATIONS

CUSTOMER: _____

DESCRIPTION: _____ Chip Antenna

CUSTOMER PART NO: _____

OUR MODEL NO: _____ PBX2012MA04

DATE: _____

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

examine	Wang hai	audit	Liu fei	make	Liu xiaomei
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APPROVED SIGNATURE			

PBX2012MA04 Specification

Operating Temp. : -40°C~+85°C

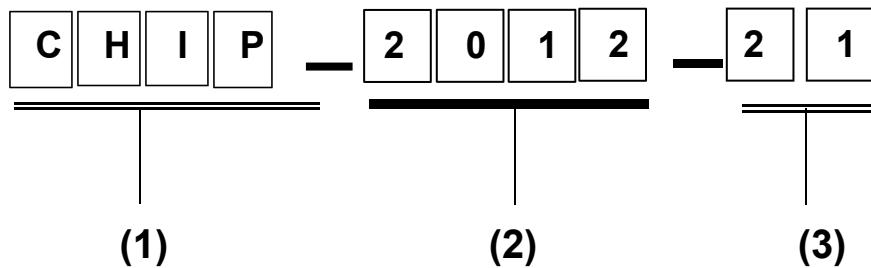
1. FEATURES:

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

2. APPLICATIONS:

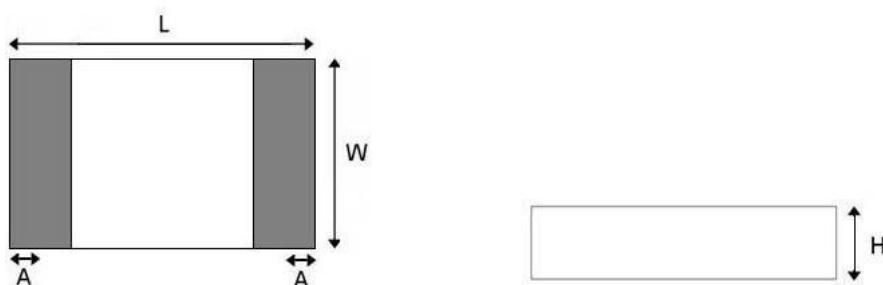
- Bluetooth, Wireless LAN, Mobile TV
- Home RF System, etc

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 =±



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Technology Co., LTD

SCALE: N/A

UNIT: mm

DRAWN BY : Sera

CHECKED BY: XD

DESIGNED BY: Sera

APPROVED BY: XD

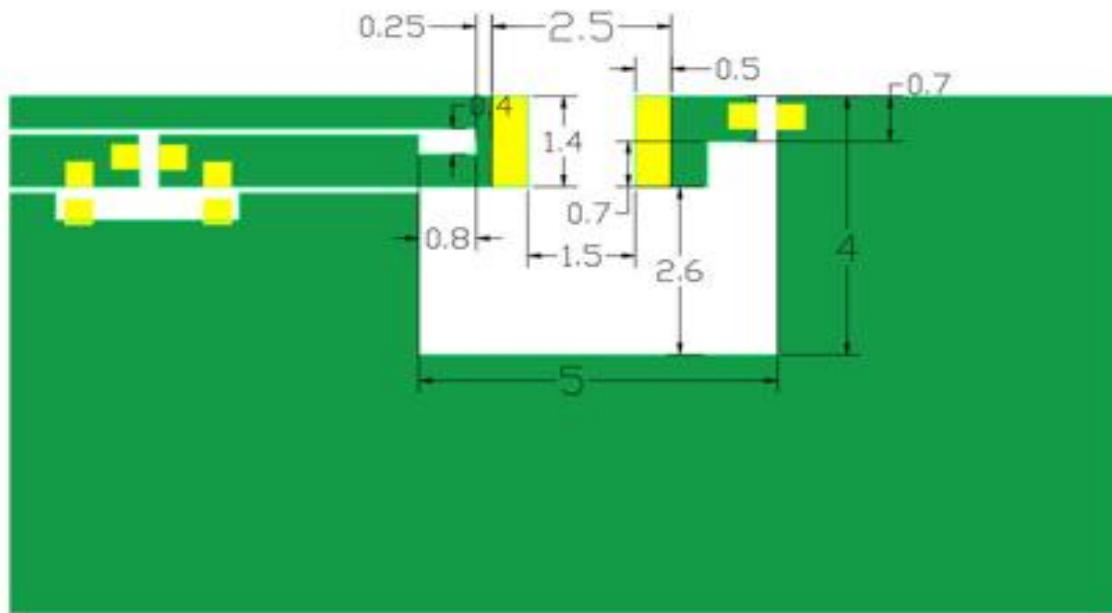
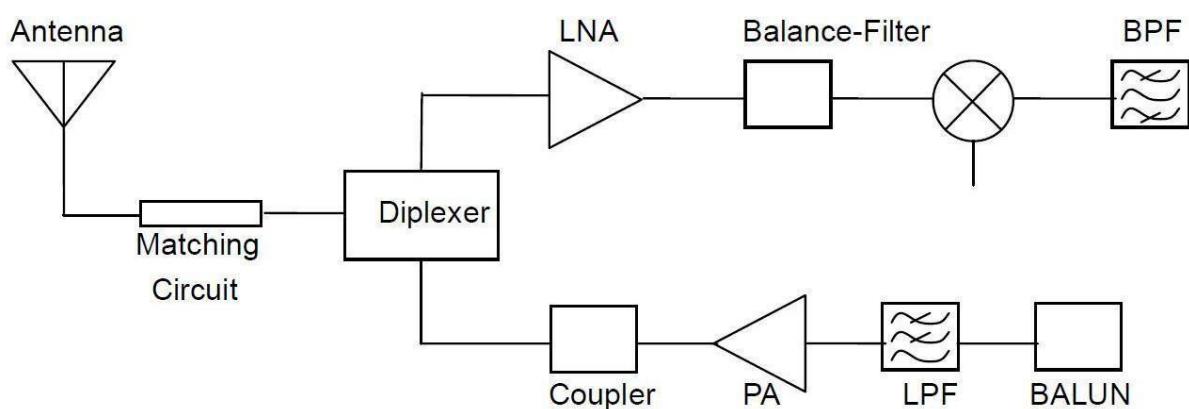
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TITLE: CHIP2450-21 Specification

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TERMINAL-CONFIGURATION**EVALUATION BOARD****APPLICATION GUIDE**

UNLESS OTHER SPECIFIED TOLERANCES ON:
 $X = \pm$ $X.X = \pm$ $X.XX = \pm$
ANGLES $= \pm$ **HOLE DIA** $= \pm$



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P1

5. SPECIFICATIONS:

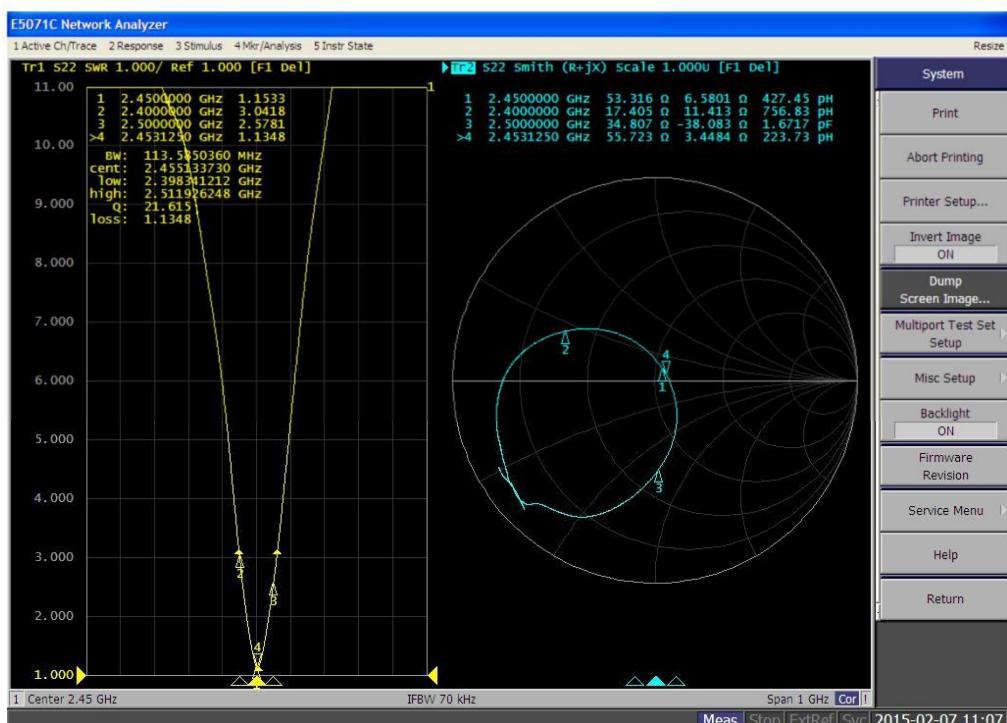
ITEM	SPECIFICATION
Frequency Band	2400MHz~2483MHz
VSWR	Less than 3
Polarization	Linear
*Peak Gain	2.48 dBi Typ.
*Peak Efficiency	72.6% Typ.
Impedance	50Ω Typ.

* Test condition: Test board size 98*65 mm

Matching circuit: Pi matching circuit will be required

6. Electrical Characteristics :

VSWR

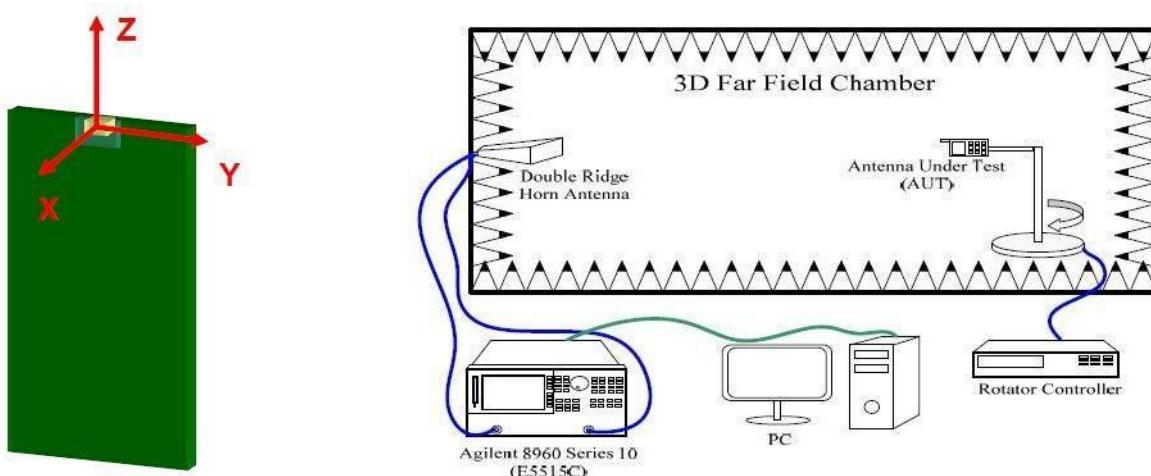


Mark	Frequency	VSWR
1	2400 MHz	3.04
2	2450 MHz	1.15
3	2500 MHz	2.57

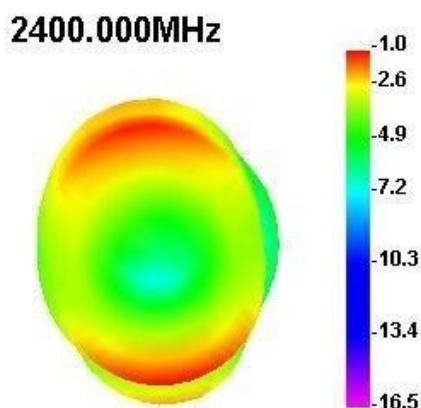
UNLESS OTHER SPECIFIED TOLERANCES ON: X=± X.X=± X.XX=± ANGLES =± HOLEDIA =±		 Shenzhen Pengbian Industrial Technology Co., LTD
SCALE: N/A	UNIT: mm	
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Radiation Pattern

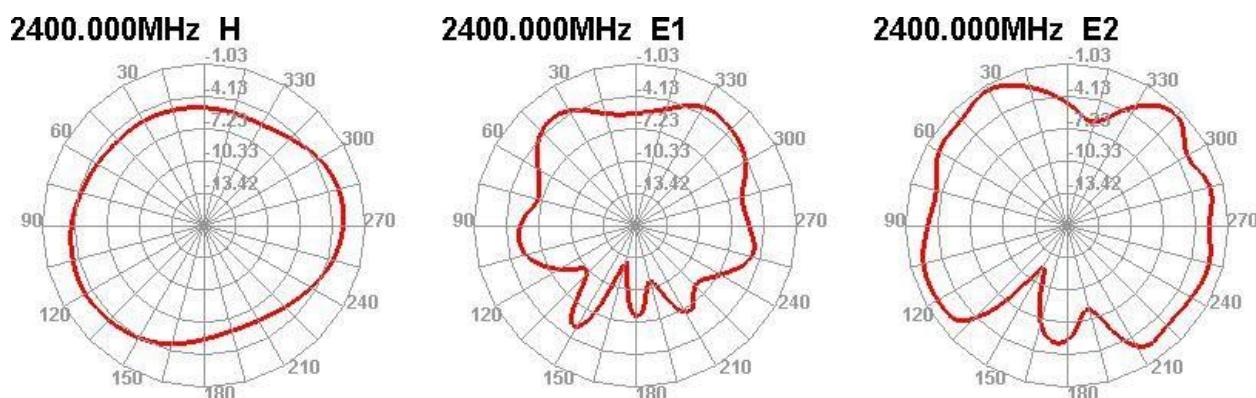
The Gain pattern is measured in INPAQ's FAR-field chamber. DUT is placed on the table of rotator, a standard horn antenna and Vector Network Analyzer is used to collect data.



◎ 3D Gain Pattern (2400 MHz)



◎ 2D Gain Pattern (2400 MHz)



UNLESS OTHER SPECIFIED TOLERANCES ON:
X=± **X.X=±** **X.XX=**
ANGLES =± **HOLE DIA =±**



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