

SPECIFICATIONS

CUSTOMER: _____

DESCRIPTION: Bipolar antenna

CUSTOMER PART NO: _____

OUR MODEL NO: **PBX2012MA04**

DATE: _____

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

Approved	LiuFei	Audit	LiuFei	Making	LiuXiaoMei
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Customer Acknowledges Signature	
Date	

UNLESS OTHER SPECIFIED TOLERANCES ON:

$X=\pm$ $X.X=\pm$ $X.XX=$
ANGLES = $\pm$ **HOLE DIA** = $\pm$



PengBanXingYeShenZhen 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: CHIP2450-1608 Specification

DOCUMENT
NO.

2012

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PBX2012MA04 Specification

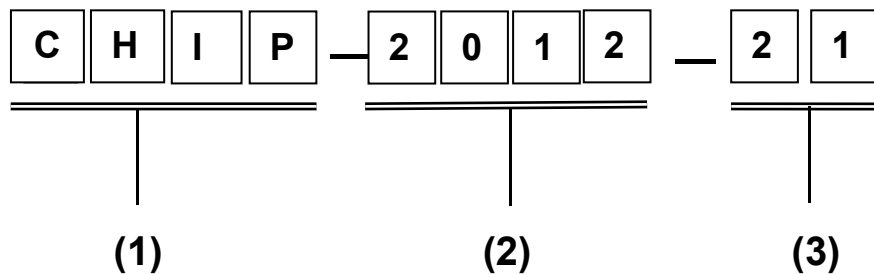
Operating Temp. : -40℃~+85℃

1. FEATURES:

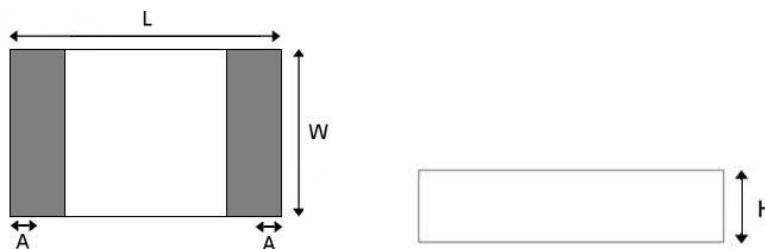
- Light weight, compact
- Wide bandwidth, low cost
- Built-in antenna with high gain

2. APPLICATIONS:

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

3. PRODUCT IDENTIFICATION

(1) 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

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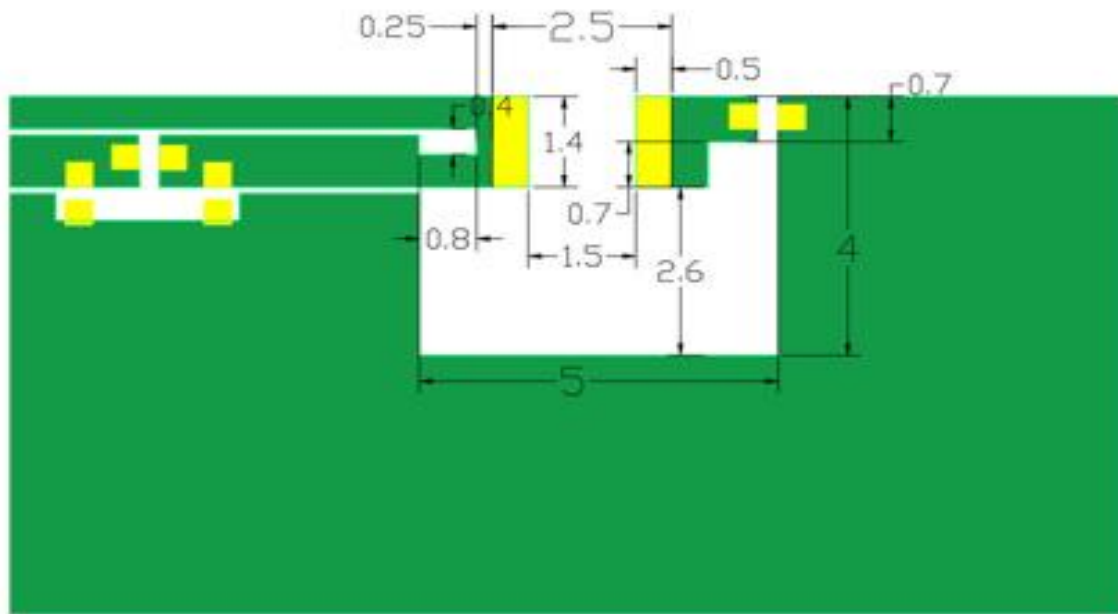
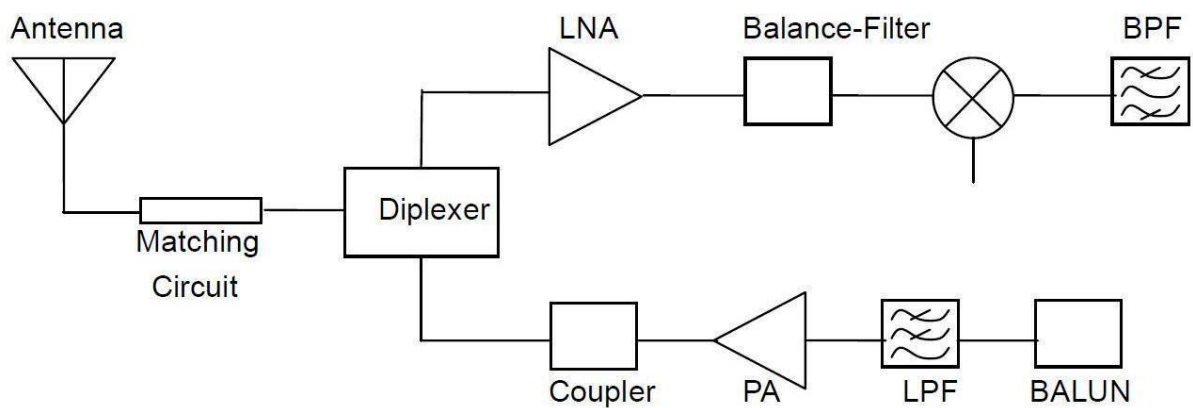
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TERMINAL-CONFIGURATION**EVALUATION BOARD****APPLICATION GUIDE**

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5. SPECIFICATIONS:

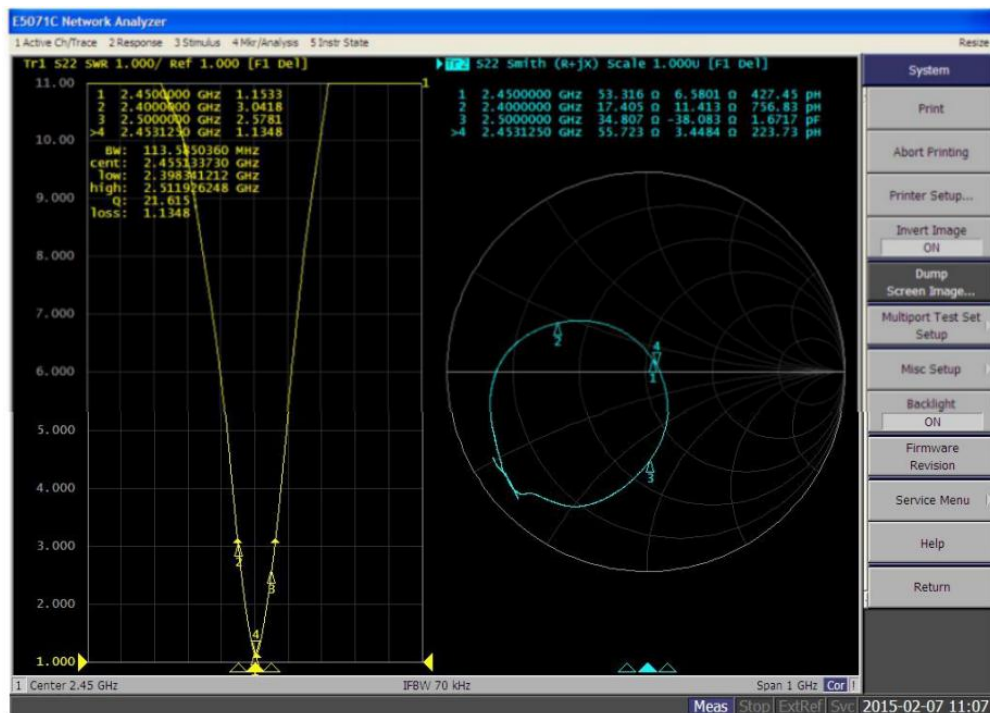
ITEM	SPECIFICATION
Frequency Band	2400MHz~2483MHz
VSWR	Less than 3
Polarization	Linear
*Peak Gain	2.48 dBi Typ.
*Peak Efficiency	72.6% Typ.
Impedance	50 Ω Typ.

* 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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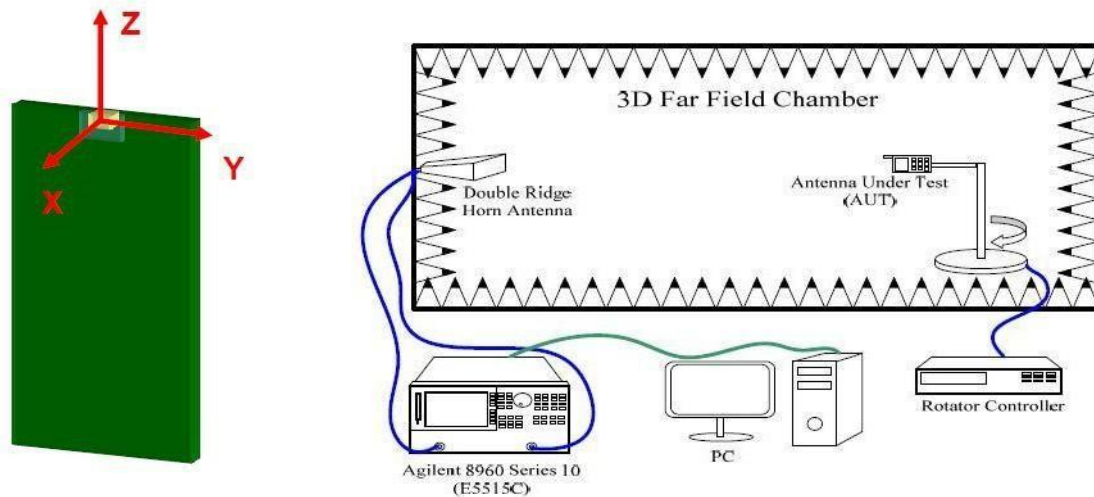
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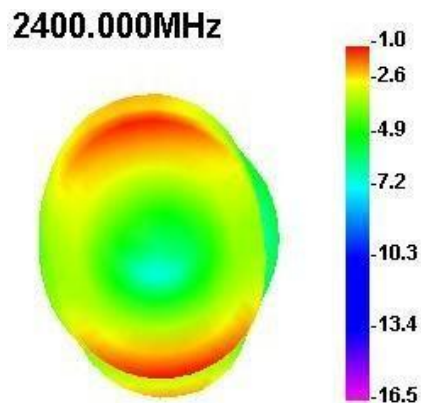
P1

Radiation Pattern

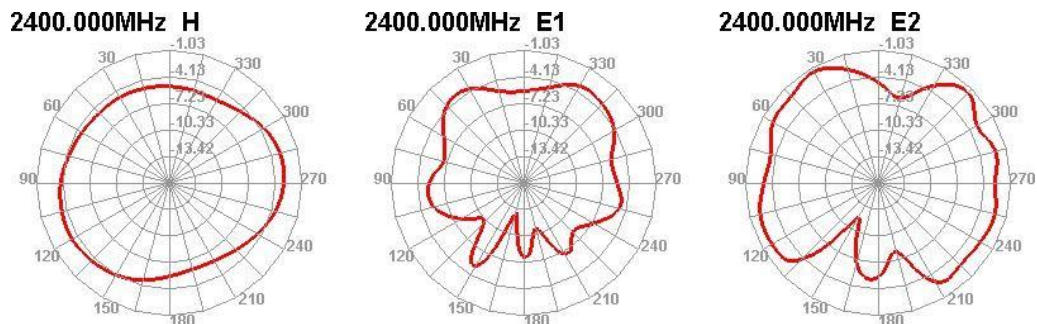
The Gain pattern is measured in INPAQ's FAR-field chamber. DUT is placed on the table of rotator, a standard horn antenna and Vector Network Analyzer is used to collect data.



3D Gain Pattern (2400 MHz)



2D Gain Pattern (2400 MHz)



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