

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

产品规格承认书

SPECIFICATIONS

客户:

CUSTOMER: _____

产品名称:

DESCRIPTION: Bipolar antenna

客户型号:

CUSTOMER PART NO: _____

产品型号:

OUR MODEL NO: **PBX2012MA01**

日期:

DATE: _____

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

| | | | | | |
|----------|--------|-------|--------|--------|------------|
| Approved | LiuFei | Audit | LiuFei | Making | LiuXiaoMei |
|----------|--------|-------|--------|--------|------------|

| | |
|---------------------------------|--|
| Customer Acknowledges Signature | |
| Date | |

UNLESS OTHER SPECIFIED TOLERANCES ON:

X=± X.X=± X.XX=±
ANGLES = ± HOLEDIA = ±

SCALE: N/A

DRAWN BY: Sera

DESIGNED BY: Sera

TITLE: CHIP2450-1608 Specification



PengBanXingYeShenZhen Technology Co., Ltd

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PBX2012MA01 Specification

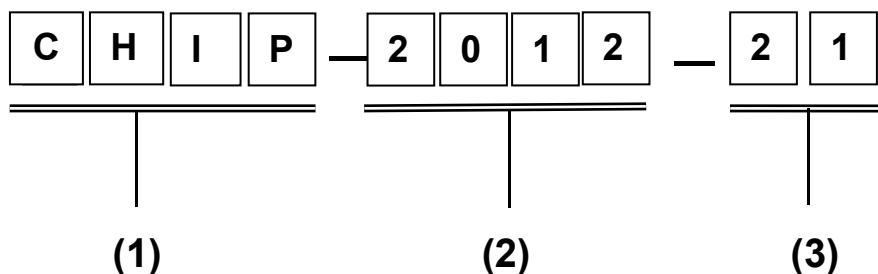
Operating Temp. : -40°C~+85°C

1. FEATURES:

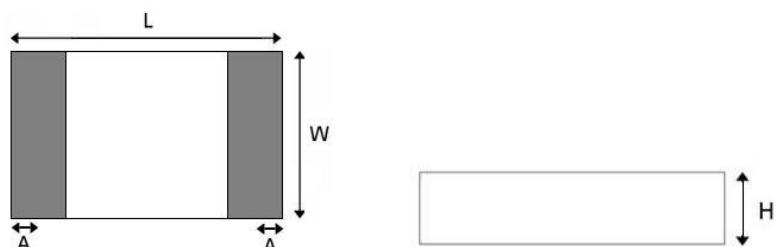
- Light weight, compact
- Wide bandwidth, low cost
- Built-in antenna with high gain

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:

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

SCALE: N/A

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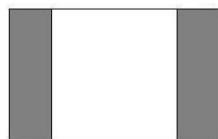
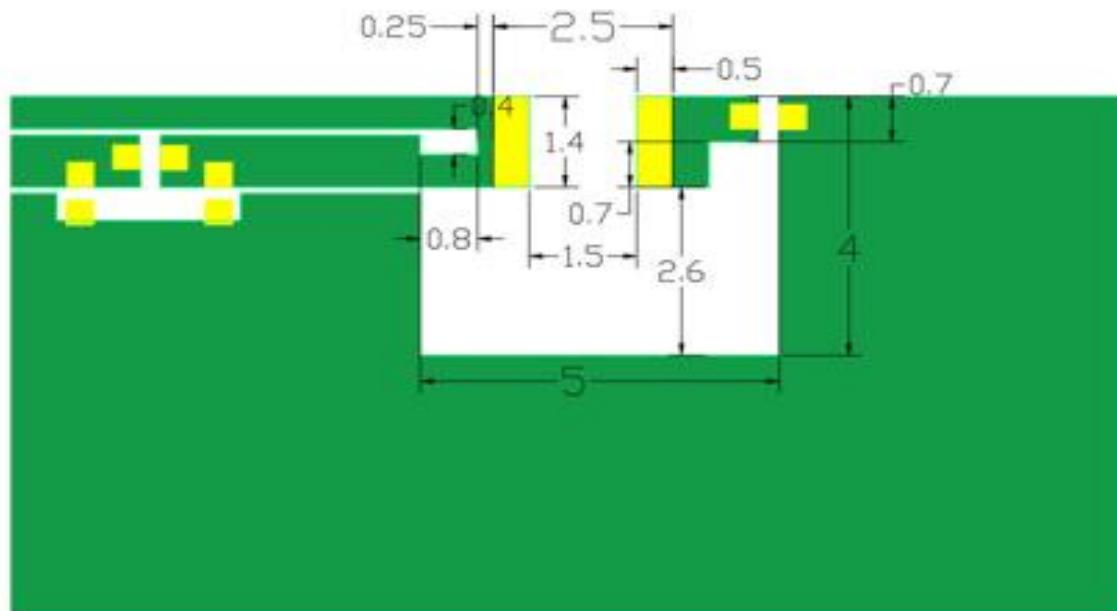
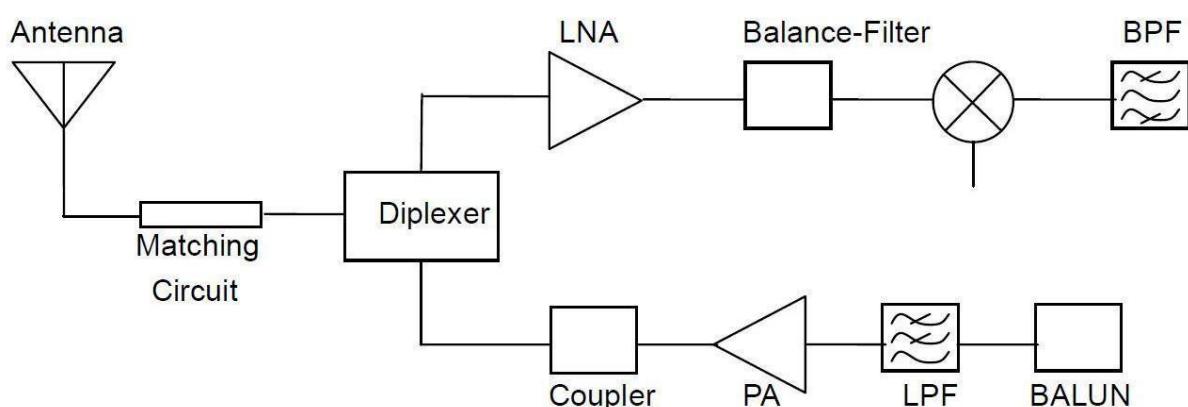
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TERMINAL-CONFIGURATION**EVALUATION BOARD****APPLICATION GUIDE**

UNLESS OTHER SPECIFIED TOLERANCES ON:

| | | |
|-----------------------|-------------------------|--------------|
| $X = \pm$ | $X.X = \pm$ | $X.XX = \pm$ |
| ANGLES = \pm | HOLE DIA = \pm | |

SCALE: N/A

DRAWN BY: Sera

DESIGNED BY: Sera

UNIT: mm

CHECKED BY: XD

APPROVED BY: XD



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5. SPECIFICATIONS:

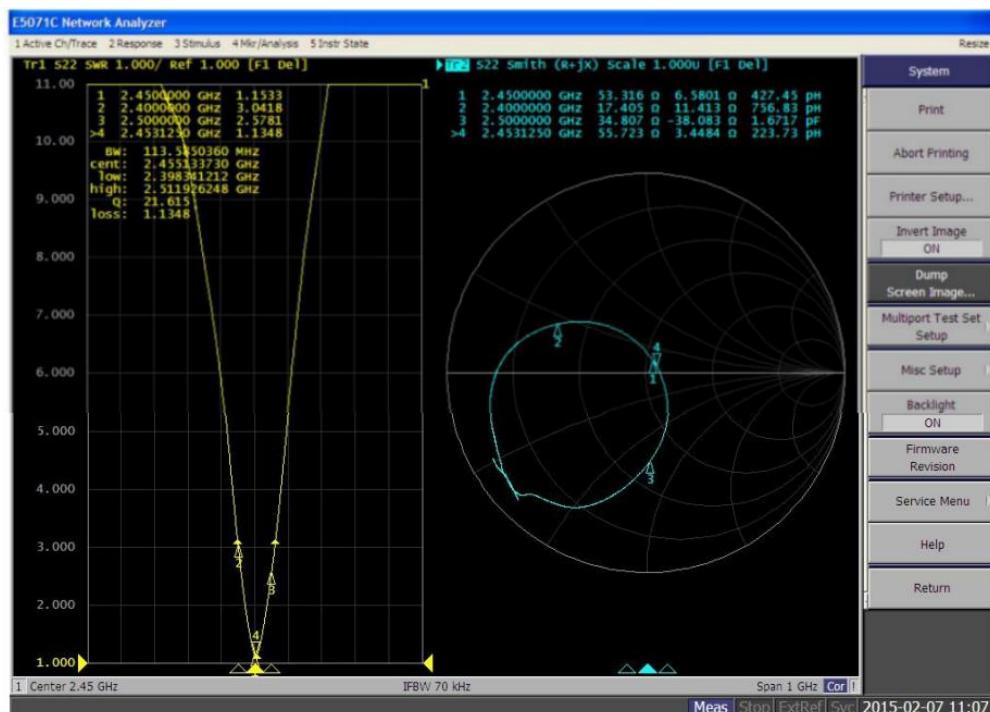
| ITEM | SPECIFICATION |
|------------------|-----------------|
| Frequency Band | 2400MHz~2483MHz |
| VSWR | Less than 3 |
| Polarization | Linear |
| *Peak Gain | 2.48 dBi Typ. |
| *Peak Efficiency | 72.6% Typ. |
| Impedance | 50Ω Typ. |

* 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 |

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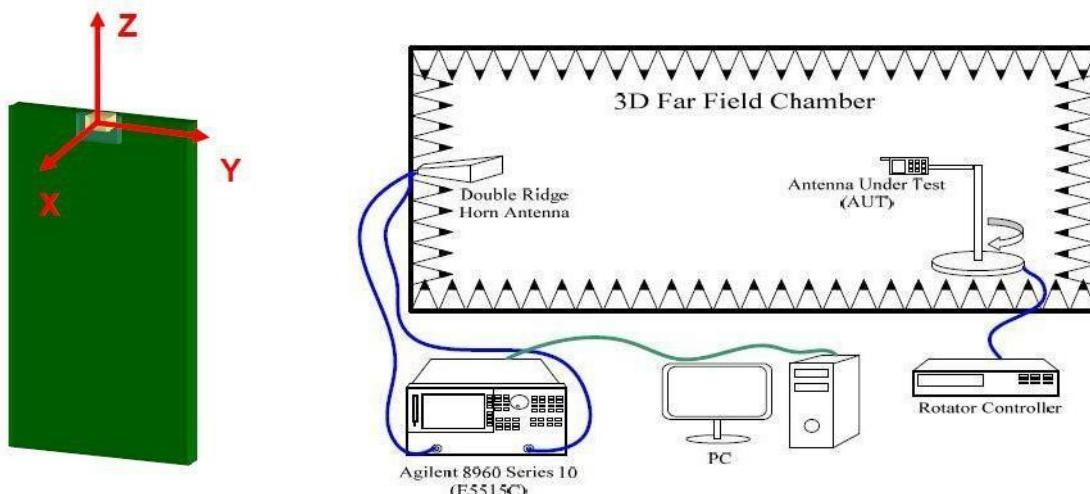
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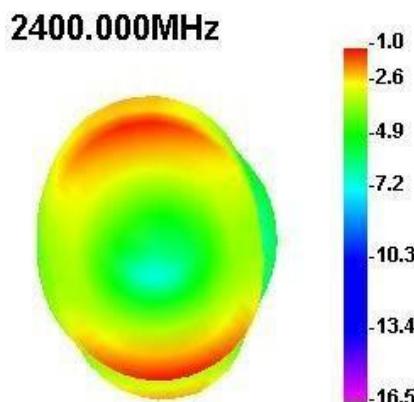
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Radiation Pattern

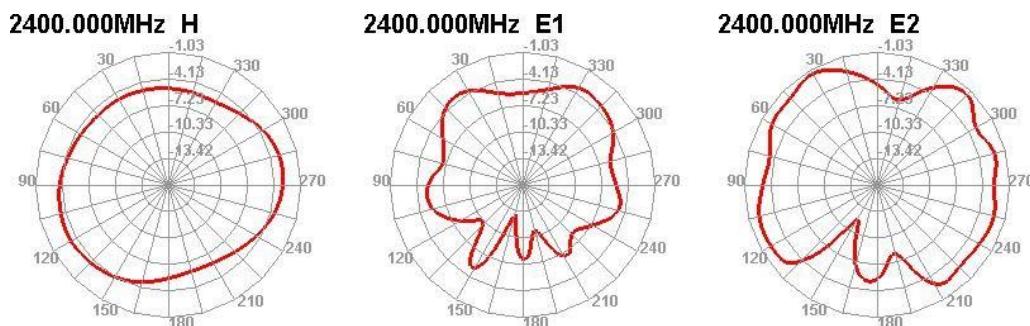
The Gain pattern is measured in INPAQ's FAR-field chamber. DUT is placed on the table of rotator, a standard horn antenna and Vector Network Analyzer is used to collect data.



3D Gain Pattern (2400 MHz)



2D Gain Pattern (2400 MHz)



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