

产品规格承认书

SPECIFICATIONS

客户:

CUSTOMER: _____

产品名称:

DESCRIPTION: _____ DIPOLE _____

客户型号:

CUSTOMER PART NO: _____

产品型号:

OUR MODEL NO: _____ PBX2012MA01 _____

日期:

DATE: _____ 2020/12/22 _____

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

客户确认签章 (APPROVED SIGNATURE)			

PBX2012MA01 Specification

Operating Temp. : -40°C~+85°C

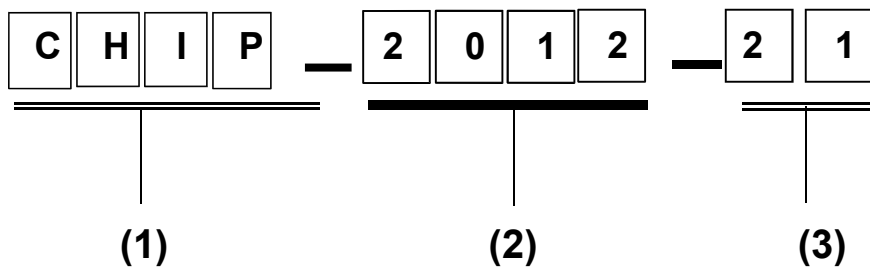
1. FEATURES:

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

2. APPLICATIONS:

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

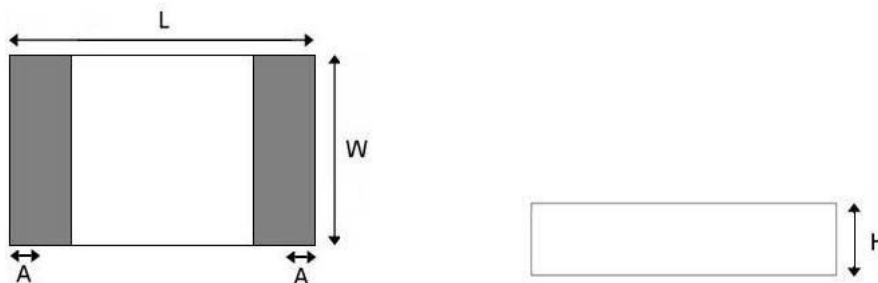
3. PRODUCT IDENTIFICATION



(1) Product type: Multilayer chip Antenna

(2) External Dimensions (L×W) (mm): 2.0*1.2

4. SHAPE AND DIMENSIONS:



SHAPE AND DIMENSIONS

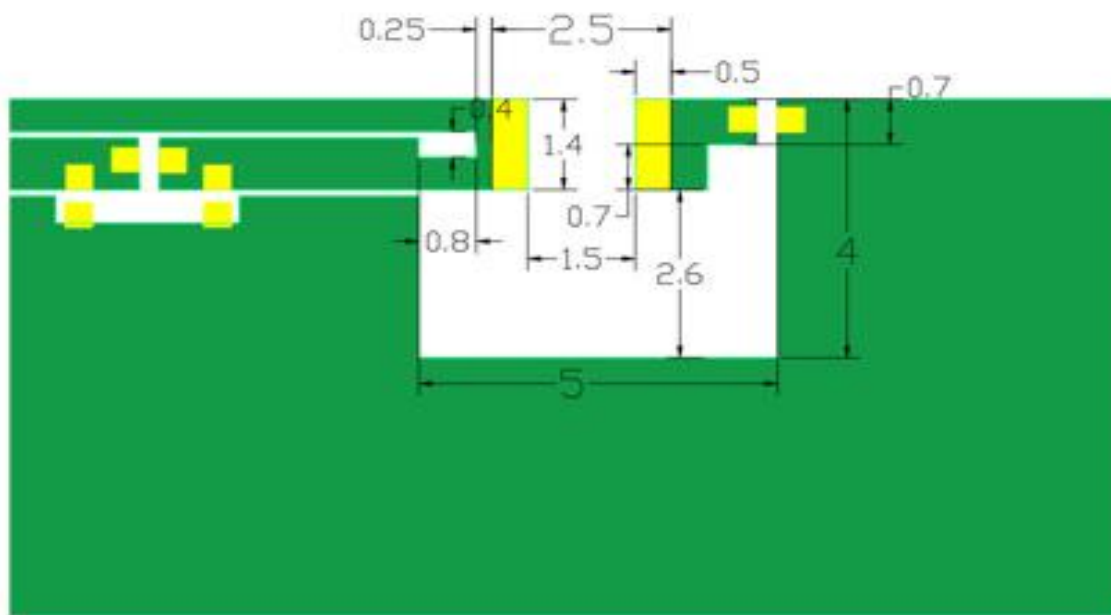
L	W	H	A
2.0±0.2	1.2±0.2	0.55±0.1	0.4±0.1

UNLESS OTHER SPECIFIED TOLERANCES ON: X=± X.X=± X.XX=± ANGLES=± HOLEDIA=±			
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.	SPEC REV.
		2012	P1

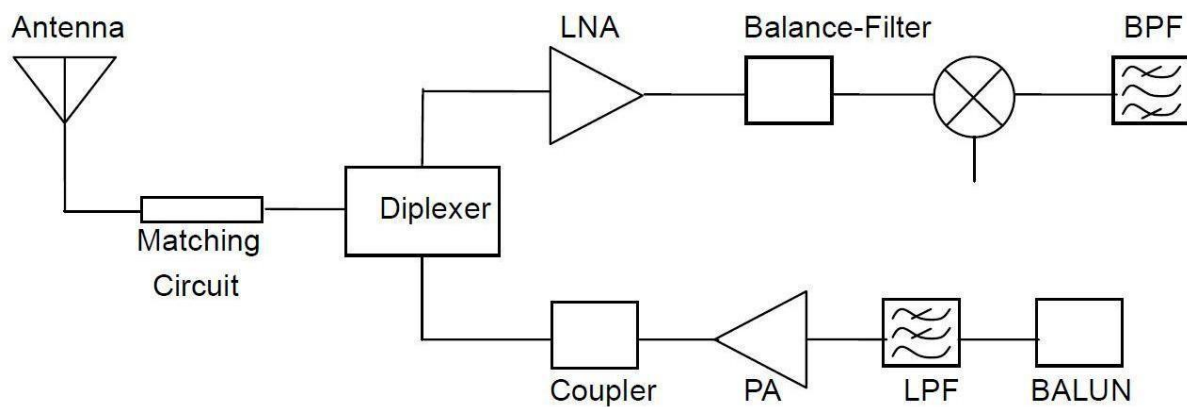
TERMINAL-CONFIGURATION



EVALUATION BOARD



APPLICATION GUIDE



UNLESS OTHER SPECIFIED TOLERANCES ON:

$X = \pm$ $X.X = \pm$ $X.XX =$
ANGLES = \pm **HOLEDIA** = \pm

SCALE: N/A

UNIT: mm

DRAWN BY: Sera

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DOCUMENT NO.

2012

SPEC REV.
P1

5. SPECIFICATIONS:

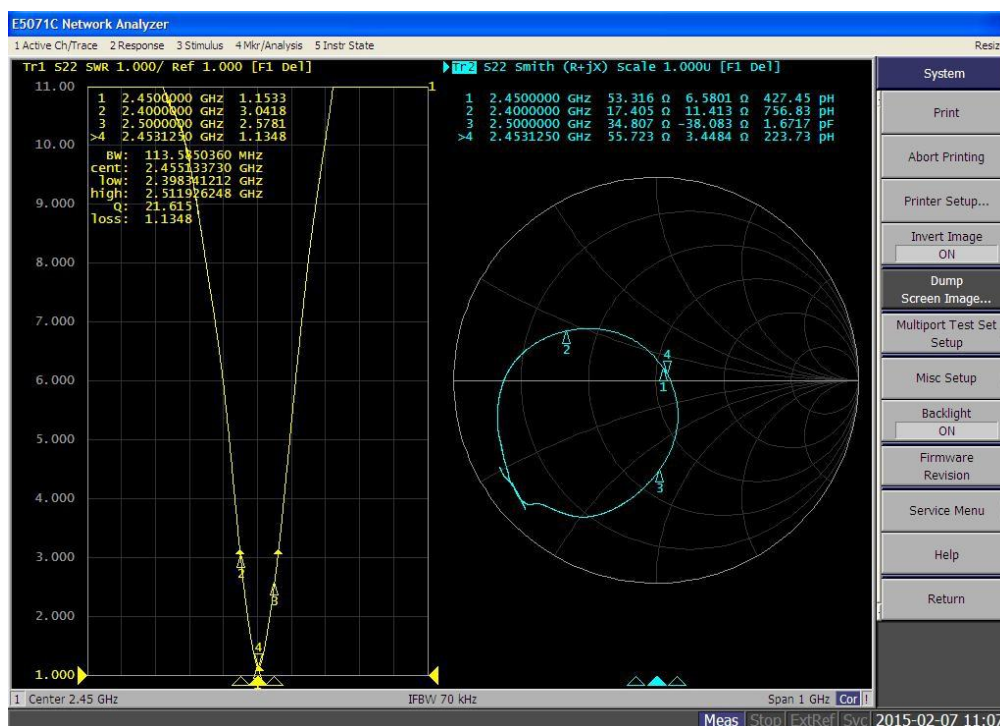
ITEM	SPECIFICATION
Frequency Band	2400MHz~2483MHz
VSWR	Less than 3
Polarization	Linear
*Peak Gain	-1.04dBi
*Peak Efficiency	72.6% Typ.
Impedance	50 Ω Typ.

* Test condition: Test board size 98*65 mm

Matching circuit: Pi matching circuit will be required

6. Electrical Characteristics :

VSWR



Mark	Frequency	VSWR	Gain(dBi)
1	2400 MHz	3.04	-1.04
2	2450 MHz	1.15	-1.05
3	2500 MHz	2.57	-1.06

UNLESS OTHER SPECIFIED TOLERANCES ON:

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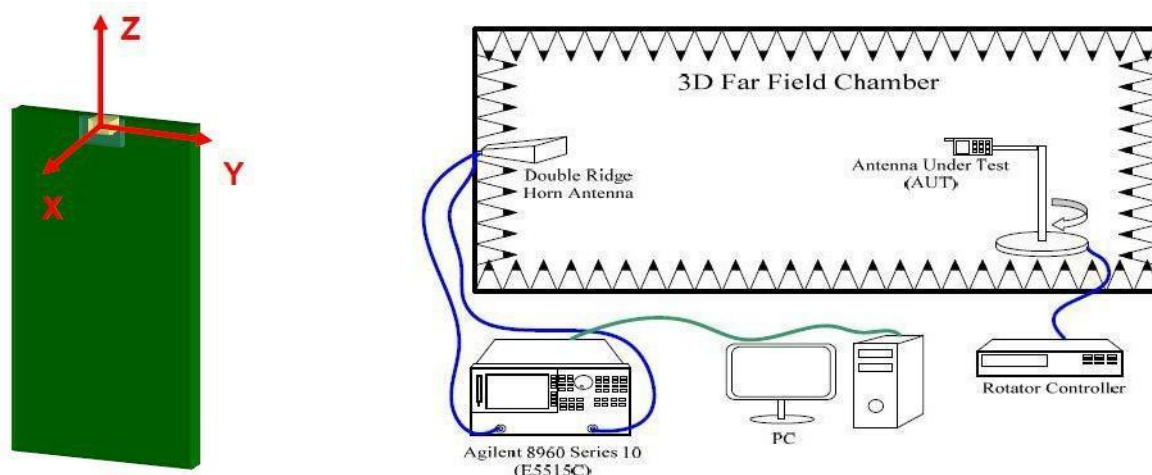
DOCUMENT NO.

2012

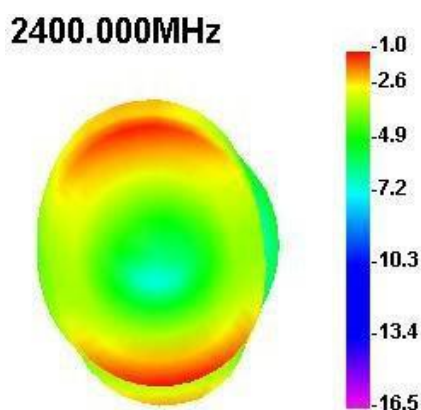
SPEC REV.
P1

Radiation Pattern

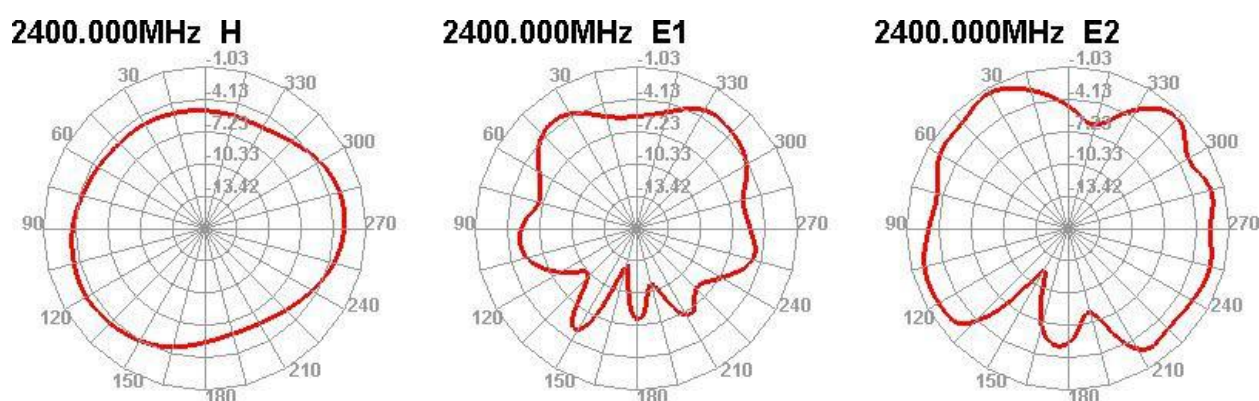
The Gain pattern is measured in INPAQ's FAR-field chamber. DUT is placed on the table of rotator, a standard horn antenna and Vector Network Analyzer is used to collect data.



© 3D Gain Pattern (2400 MHz)



© 2D Gain Pattern (2400 MHz)



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