

深圳市朋伴兴业科技有限公司

产品规格承认书

SPECIFICATIONS

编号 Numbering	2017
品名 Name of article	CHIP2450-21
客户型号 Customer model	
制作 Make	XD
审核 Audit	
日期 Date	2017.8.1

UNLESS OTHER SPECIFIED TOLERANCES ON:

X=± X.X=± X.XX=±
A N G L E S = ± H O L E D I A = ±



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SCALE: N/A

UNIT: mm

DRAWN BY: Sera

CHECKED BY: XD

DESIGNED BY: Sera

APPROVED BY: XD

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CHIP-2450-21 Specification

Operating Temp. : -40℃~+85℃

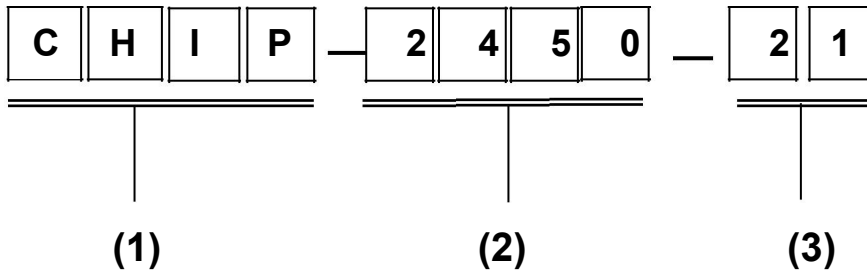
1. FEATURES:

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

2. APPLICATIONS:

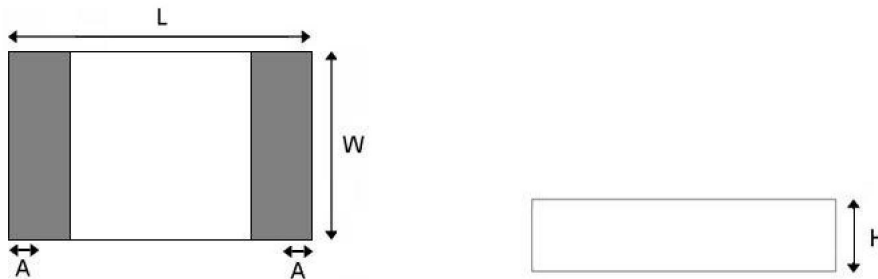
- Bluetooth, Wireless LAN, Mobile TV
- Home RF system, etc

3. PRODUCT IDENTIFICATION



- (1) Product type: Multilayer chip Antenna
 (2) Center Frequency: 2450MHz
 (3) External Dimensions (L×W) (mm): 2.0*1.2

4. SHAPE AND DIMENSIONS:



SHAPE AND DIMENSIONS

L	W	H	A
2.0±0.3	1.2±0.3	0.55±0.2	0.4±0.25

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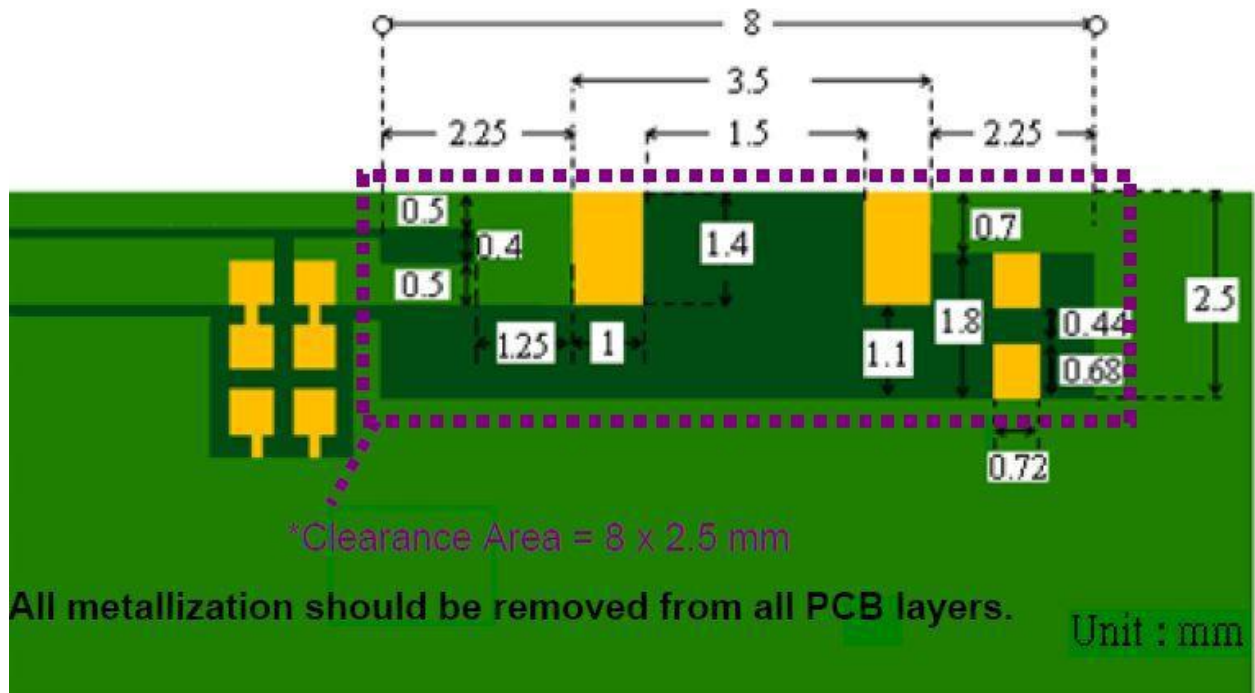
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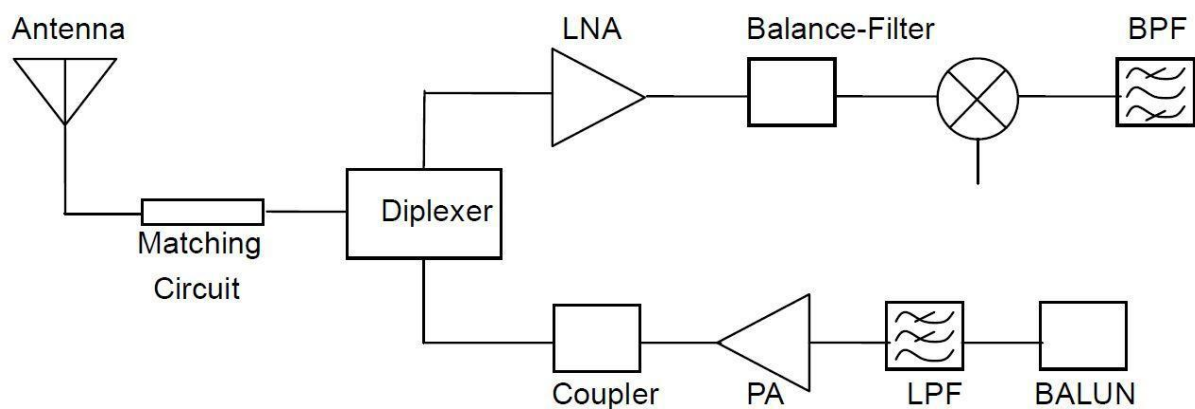
TERINAL-CONFIGURATION



EVALUATION BOARD



APPLICATION GUIDE



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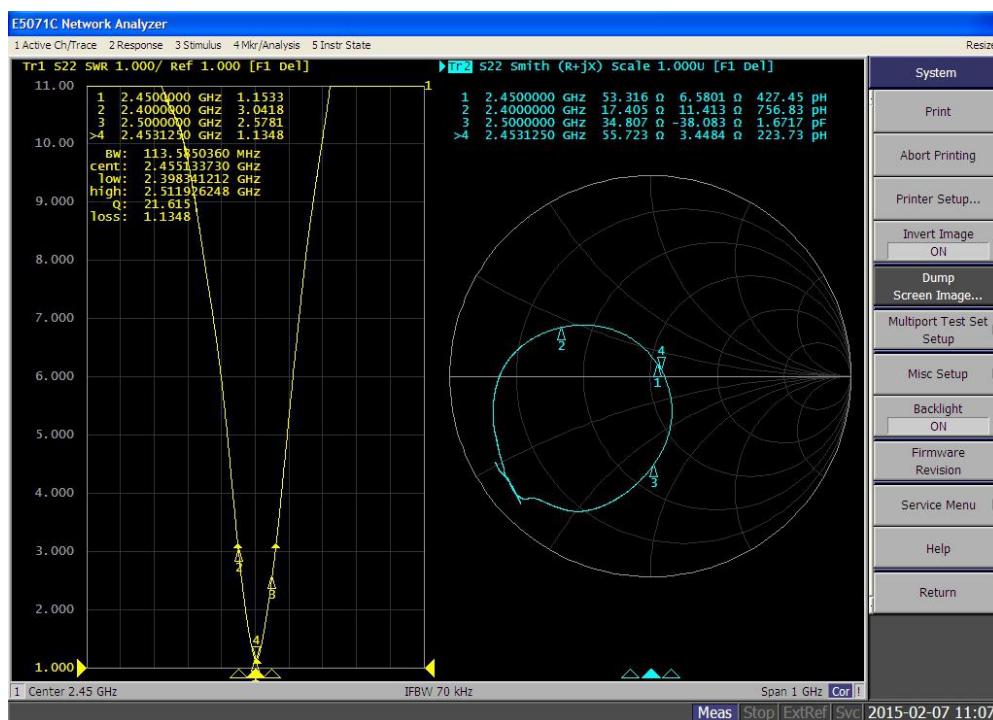
5. SPECIFICATIONS:

ITEM	SPECIFICATION
Frequency Band	2400MHz~2483MHz
VSWR	Less than 3
Polarization	Linear
*Peak Gain	-1.0 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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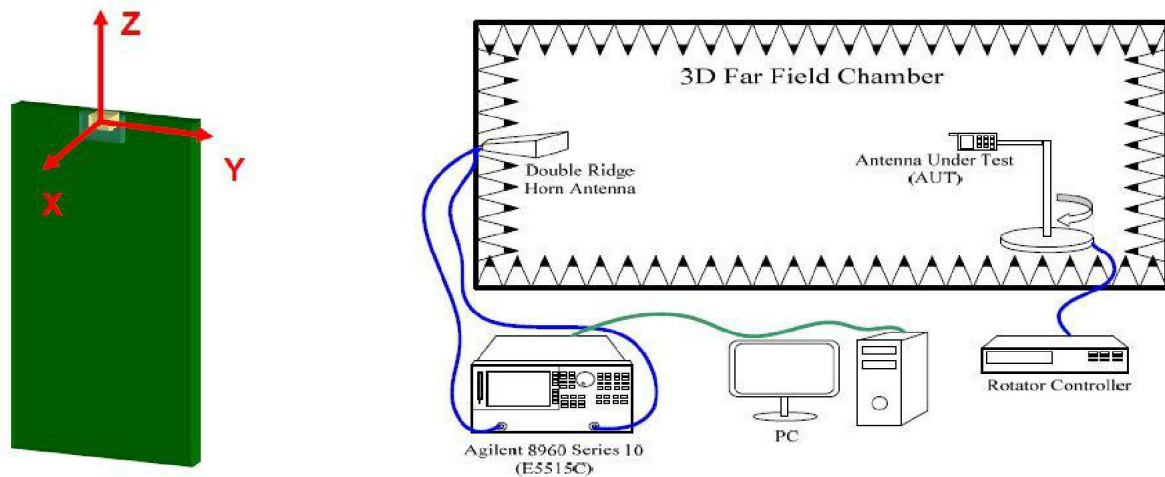
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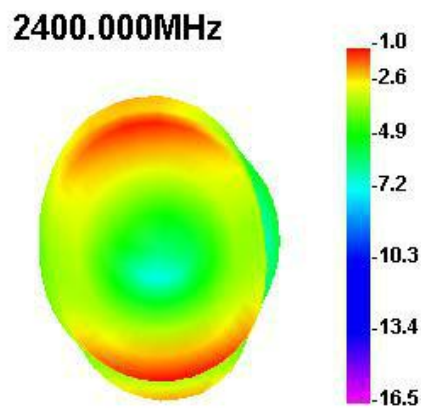
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Radiation Pattern

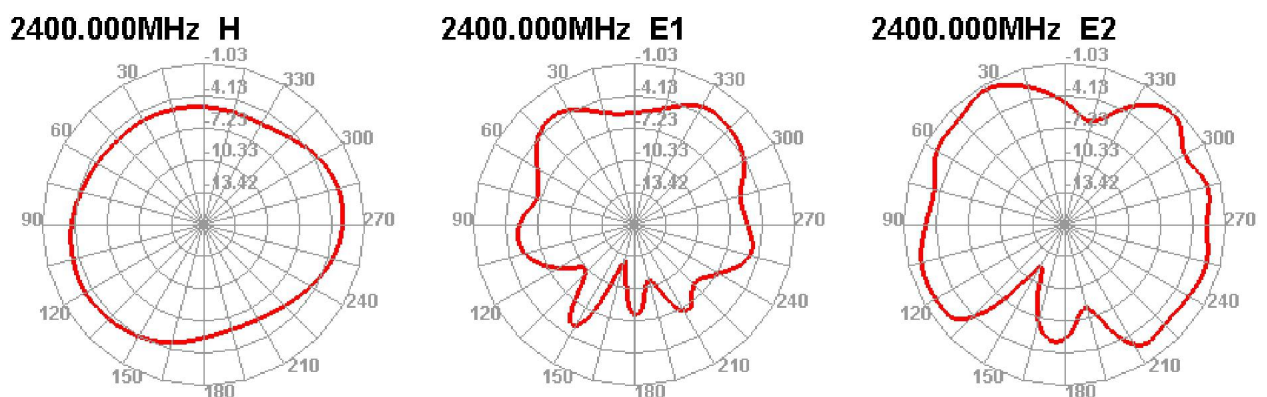
The Gain pattern is measured in INPAQ's FAR-field chamber. DUT is placed on the table of rotator, a standard horn antenna and Vector Network Analyzer is used to collect data.



© 3D Gain Pattern (2400 MHz)



© 2D Gain Pattern (2400 MHz)



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