

客戶名稱：
CUSTOMER

IAC-P

Documnet No.: ENS000030990

Approval Sheet Rev.: A0

Spec. Rev. : A0

承認書

APPROVAL SHEET

產品品名/Product Model No. : **WA-P-LA-00-004**

客戶料號/Customer No. : _____

發行日期/ Issue Date : **2010/05/13**

承認日期/ Approved Date : _____

Approved by customer: (signing or stamping here)



佳邦科技股份有限公司
INPAQ TECHNOLOGY CO., LTD.

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WA-P-LA-00-004 Specification

1. APPLICATION:

WLAN, 802.11b/g, Bluetooth, etc...

2. Explanation of part number :

WA P - LA - 00 - 004
 (1) (2) (3) (4) (5)

- (1) Product Type : PIFA Antenna
- (2) Material : PCB
- (3) Frequency : 2400MHz~2500MHz
- (4) Coaxial Cable Type : no coaxial cable
- (5) Suffix : 004

3. Electrical Specification :

ITEM	SPECIFICATION
Frequency Band	2.4GHz~2.5GHz
VSWR	2 (Max)
Polarization	Linear
Azimuth Beam width	Omni-directional
*Peak Gain	2 dBi Typ.
Impedance	50Ω Typ.

* Test condition: Test board size 80*40 mm

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=± X.X=± X.XX=

ANGLES=± HOLEDIA=±

SCALE : ---- UNIT : mm

DRAWN BY : 楊奇峰 *楊奇峰* CHECKED BY : 陳智威 *Alan*

DESIGNED BY : 劉受瑛 *劉受瑛* APPROVED BY : 蘇志銘 *Jimmy*

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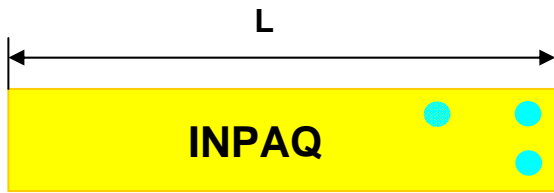
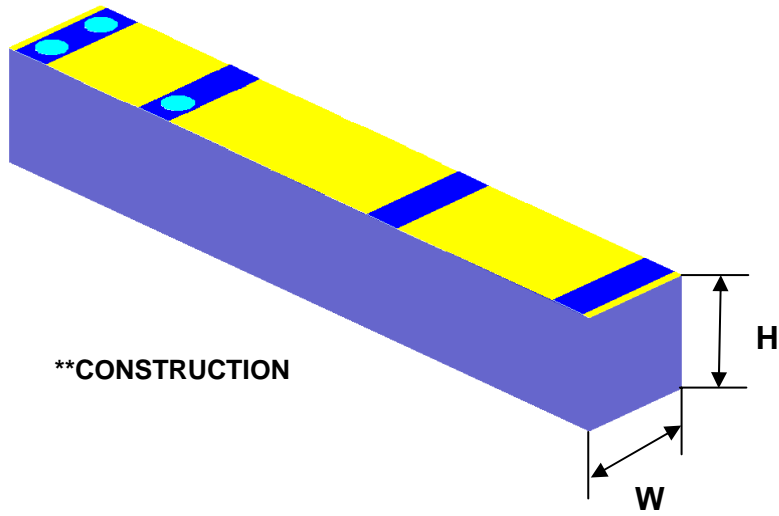
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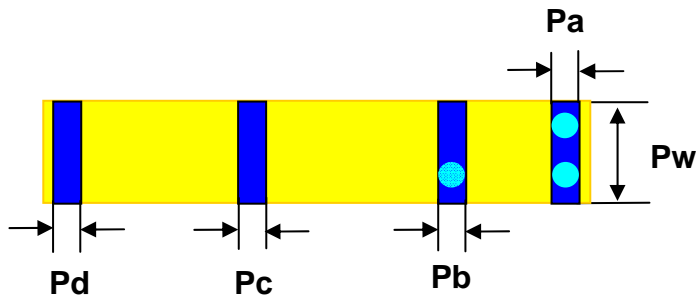
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4. DIMENSIONS: (Unit: mm)



Dimension	SIZE
L	25.0±0.25
W	3.0±0.25
H	3.8±0.25



Dimension	Port Definition
Pw	Pad width
Pa	Ground pad
Pb	Feed pad
Pc	Soldering pad
Pd	Soldering pad

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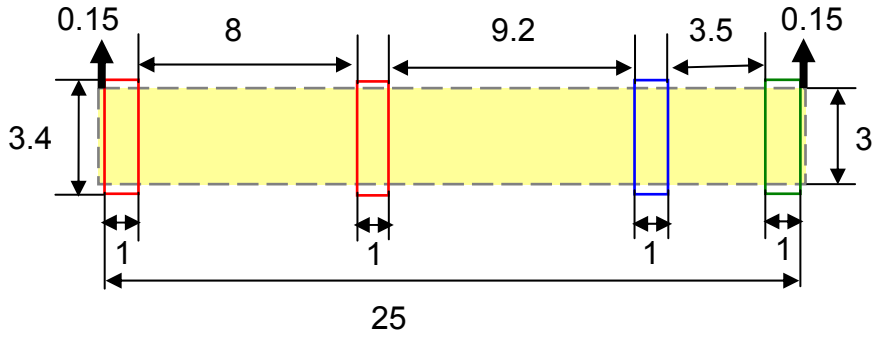
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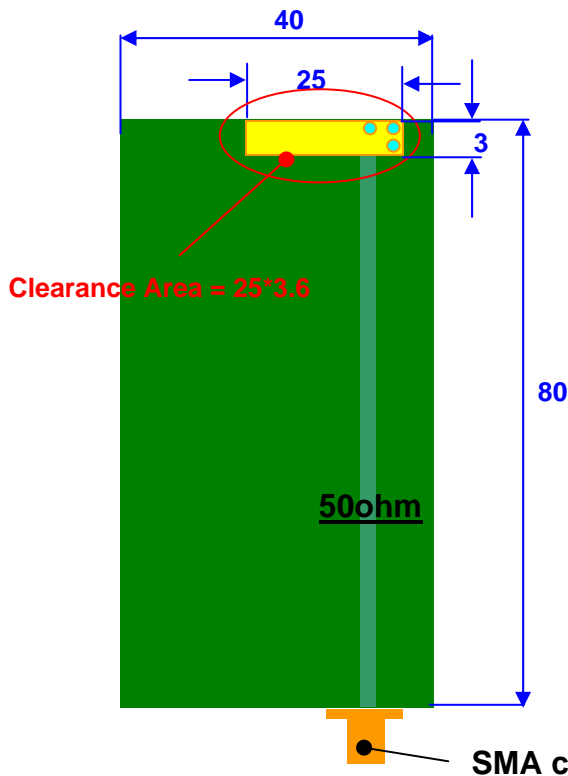
6. Recommend PCB Layout: (Unit: mm)



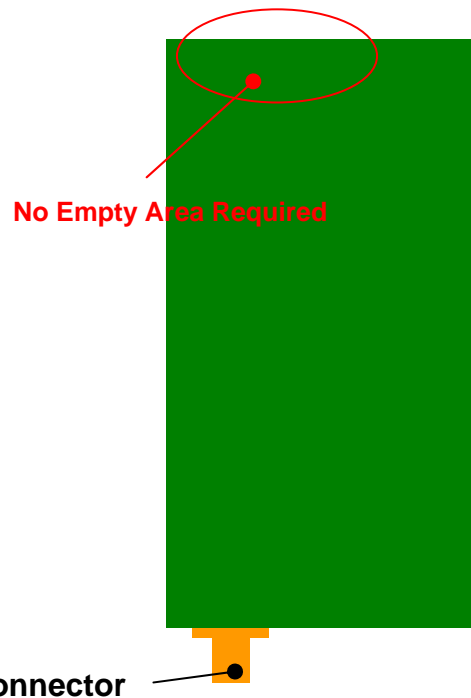
- Ground (connect to ground)
- Feed (connected to 50ohm transmission line)
- Soldering pads
- Antenna outline

7. Antenna on test board: (Unit: mm)

Top View



Bottom View



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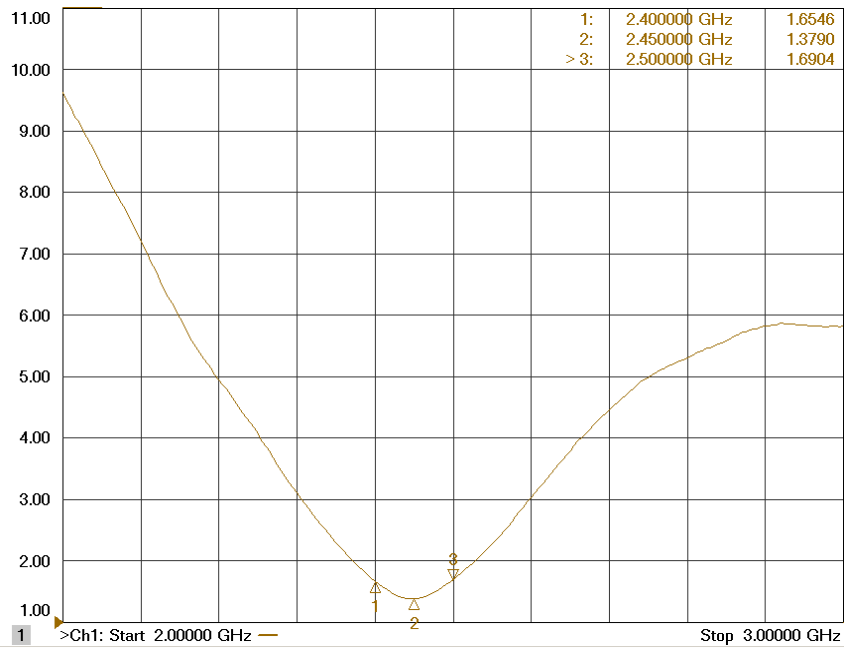
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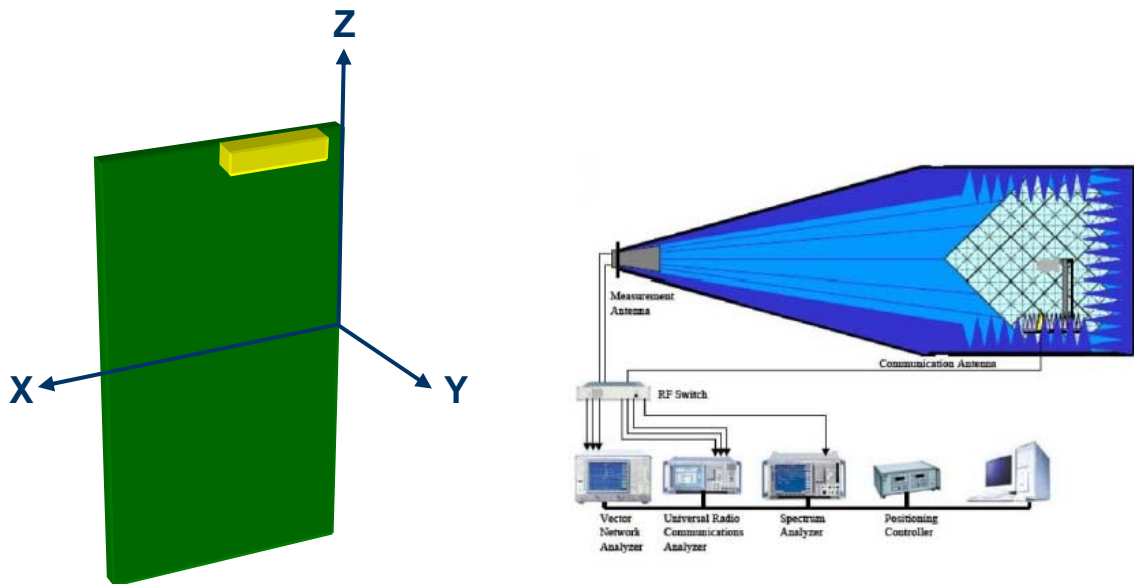
8. Electrical Characteristics:

VSWR



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 Chamber Definition

UNLESS OTHER SPECIFIED TOLERANCES ON :

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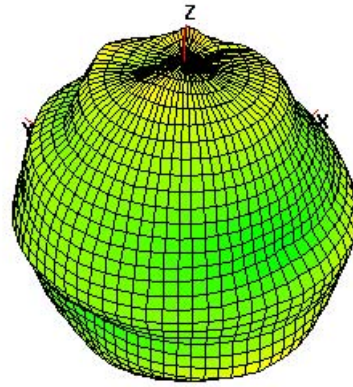
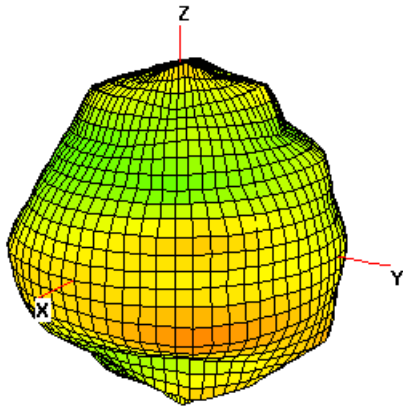
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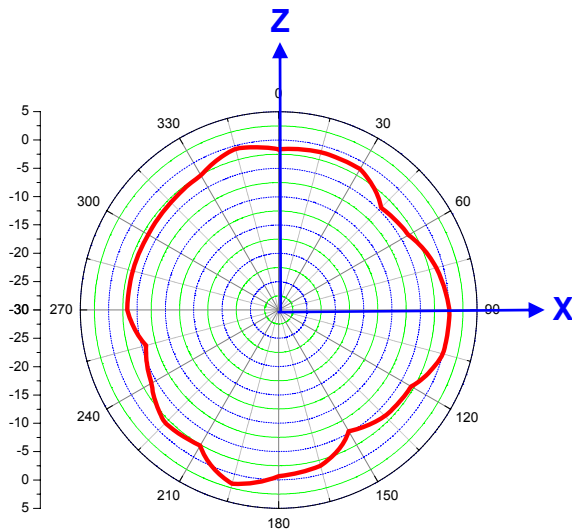
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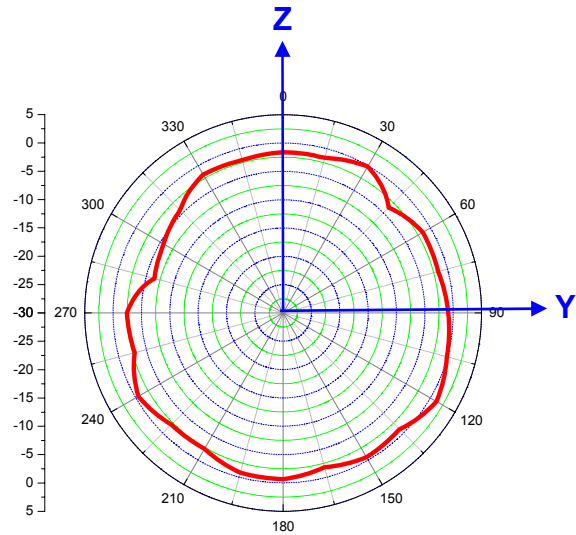
© 3D Gain Pattern (2450 MHz)



© 2D Gain Pattern (2450 MHz)



X-Z Plane



Y-Z Plane

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