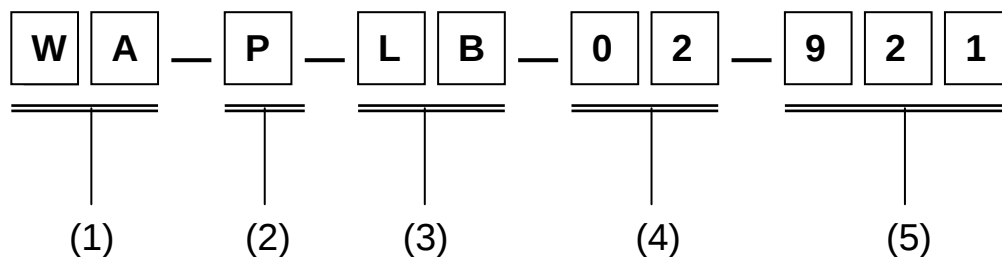


Embedded Dual-Band Antenna for WA-P-LB-02-921

1. Explanation of part number :



(1) Product type : Wireless Antenna

(2) Material : PCB

(3) Frequency : 2400~2500MHz & 5150~5850MHz

(4) Coaxial Cable Type : Black Cable

(5) Suffix : 921

2. Electrical Specification :

Those specifications were specially defined for **Model**, and all characteristics were measured under the model's handset testing.

2-1. 2400-2500MHz :

Characteristics	Specifications	Unit
Outline Dimension	30 x 15 x 0.4	mm
Center Frequency	2450	MHz
VSWR	2 max.	
Polarization	Linear Polarization	
Impedance	50	Ω

2-2. 5150-5850MHz :

Characteristics	Specifications	Unit
Center Frequency	5470	MHz
VSWR	2 max.	
Polarization	Linear Polarization	
Impedance	50	Ω

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=N/A X.X=N/A X.XX=N/A

ANGLES=N/A HOLEDIA=N/A

SCALE : N/A

UNIT : mm

DRAWN BY : 黃建棠

CHECKED BY : 鄭榮謀

DESIGNED BY : 洪賢修

APPROVED BY : 謝立庭



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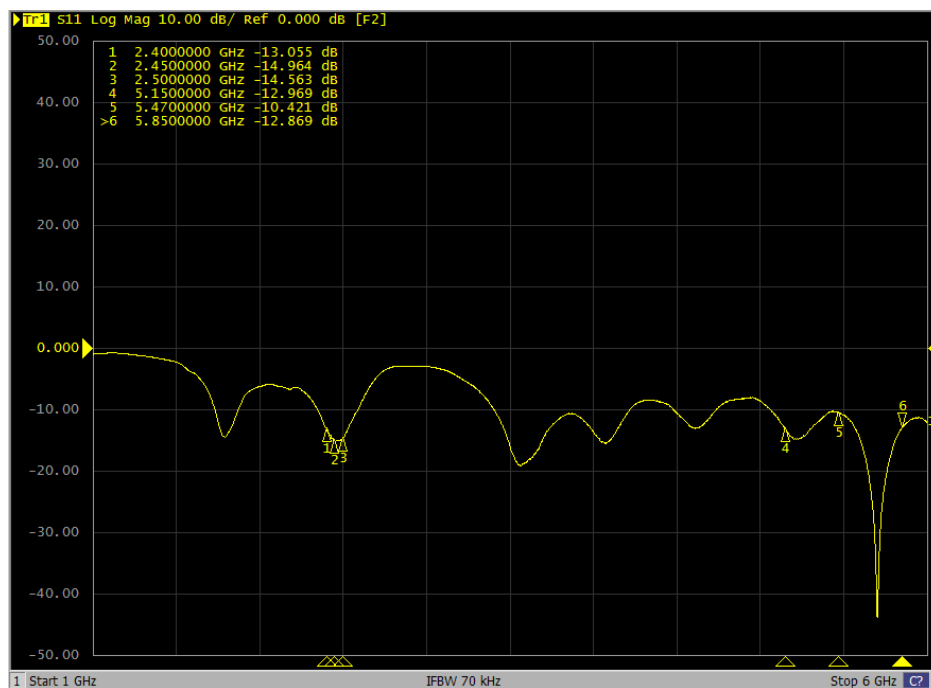
TITLE : Embedded Dual-Band Antenna for
WA-P-LB-02-921

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ENS000152300

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2-3. S-Parameter :



UNLESS OTHER SPECIFIED TOLERANCES ON :

X=N/A X.X=N/A X.XX=N/A

ANGLES=N/A HOLEDIA=N/A

SCALE : N/A

UNIT : mm

DRAWN BY : 黃建棠

CHECKED BY : 鄭榮謀

DESIGNED BY : 洪賢修

APPROVED BY : 謝立庭

TITLE : Embedded Dual-Band Antenna for
WA-P-LB-02-921



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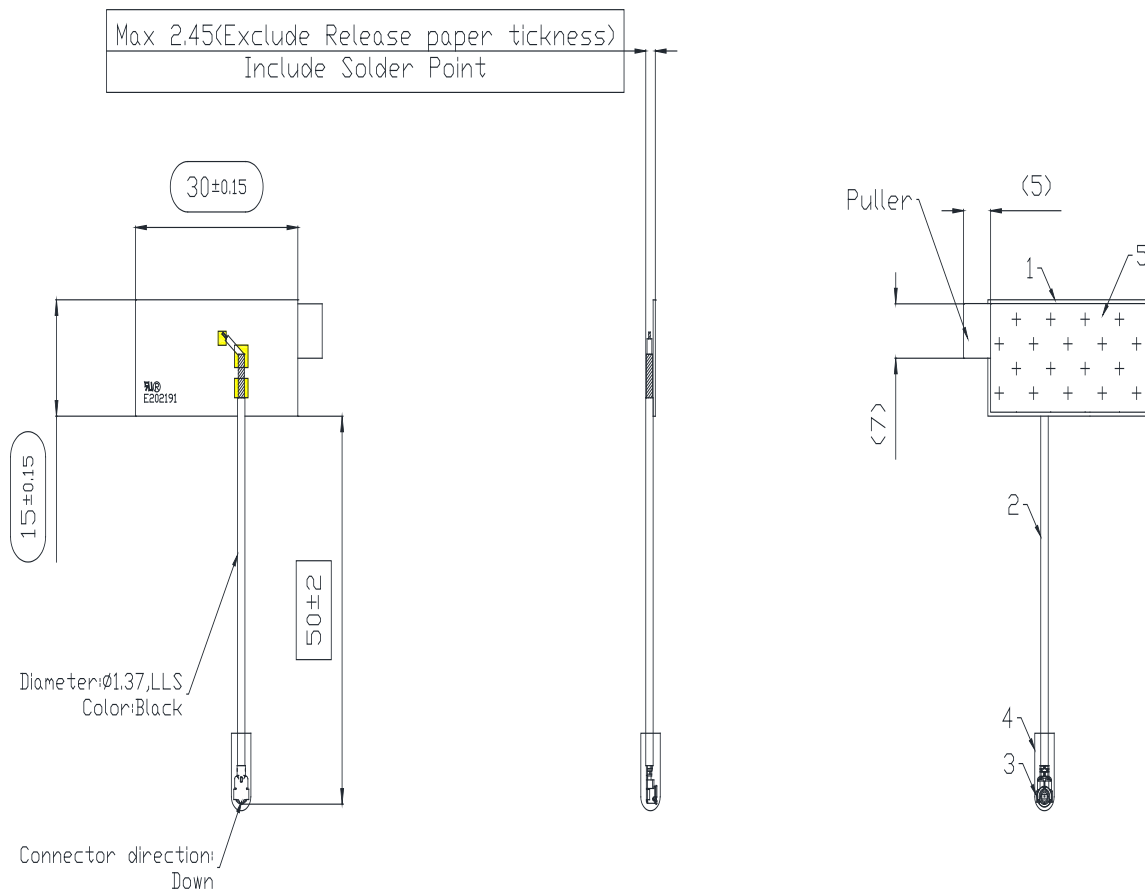
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3. Mechanical Specification :

3.1 Mechanical Configuration :



NOTE:

- 外觀標準: 需完整無破損, 不可有變形、髒污、毛邊、翹曲、裂縫、褶疊等情形。

Appearance standard : They must be complete. It means those must not have the deformations, dirt, burrs, warps, cracks, folds, etc.

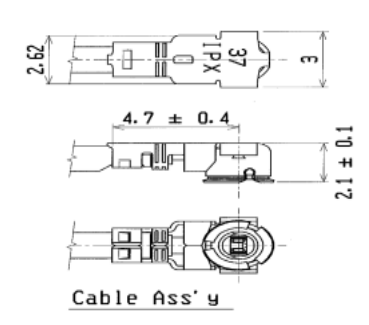
- 工程圖上"□"號為重點尺寸標註指示
Mark "□" are the key dimensions.
- 工程圖上"○"號為Cpk量測尺寸標註指示
Mark "○" are CPK dimensions.

The appearance of the antenna is according to drawing Figure 3.1.1
REV.P0

UNLESS OTHER SPECIFIED TOLERANCES ON : X=N/A X.X=N/A X.XX=N/A ANGLES=N/A HOLEDIA=N/A			INPAQ TECHNOLOGY CO., LTD.	
SCALE : N/A	UNIT : mm			
DRAWN BY : 黃建棠	CHECKED BY : 鄭榮謀	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION		
DESIGNED BY : 洪賢修	APPROVED BY : 謝立庭			
TITLE : Embedded Dual-Band Antenna for WA-P-LB-02-921		DOCUMENT NO.	ENS000152300	SPEC REV. P0

ITEM	DESCRIPTION	MATERIAL SPECIFICATION	QUANTITY	UNIT
1	PCB	30x15x0.4mm	1	PCS
2	Cable	OD1.37,LowLoss,Black	1	PCS
3	Connector	IPEX MHF I-PEX Equivalent(compatible)	1	PCS
4	Heat Shrank Tube	OD3.0*20mm	1	PCS
5	Adhesive	29x14x0.05mm(3M467)	1	PCS

3.2 Connector Information :



UNLESS OTHER SPECIFIED TOLERANCES ON :
 X=N/A X.X=N/A X.XX=N/A
 ANGLES=N/A HOLEDIA=N/A



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY : 黃建棠

CHECKED BY : 鄭榮謀

DESIGNED BY : 洪賢修

APPROVED BY : 謝立庭

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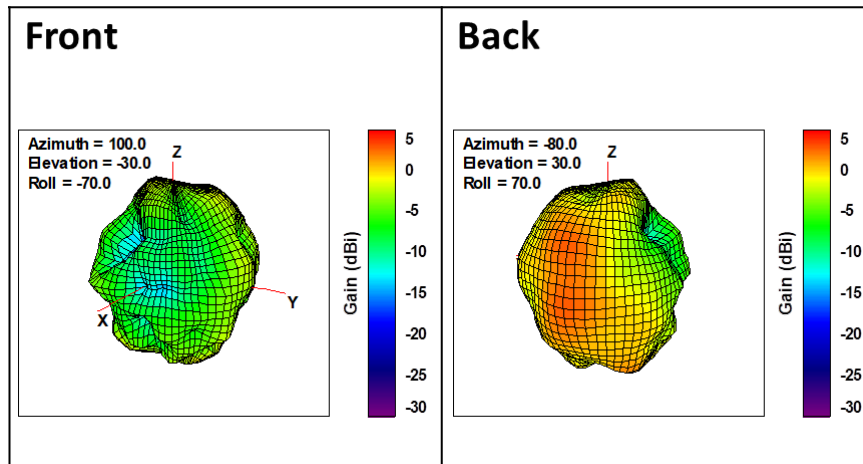
ENS000152300

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4. 3D Radiation Pattern :

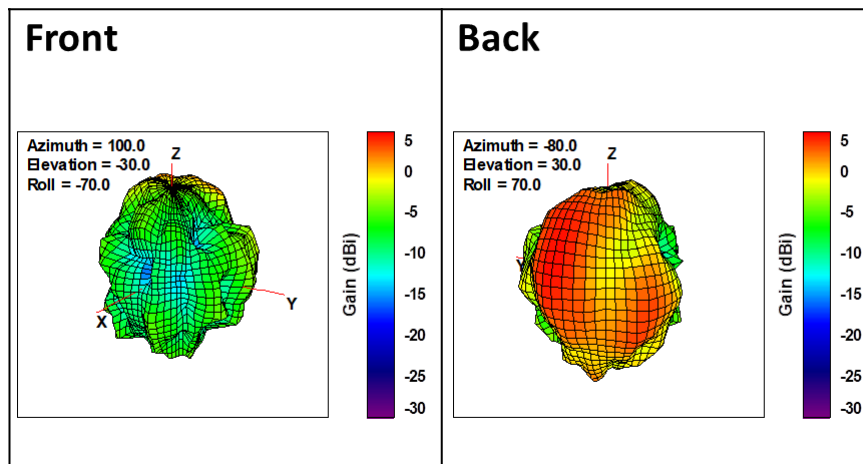
4.12400~2500 MHz Band :

@2450MHz



4.25150~5850 MHz Band :

@5470MHz



UNLESS OTHER SPECIFIED TOLERANCES ON :
X=N/A X.X=N/A X.XX=N/A
ANGLES=N/A HOLEDIA=N/A



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY : 黃建棠

CHECKED BY : 鄭榮謀

DESIGNED BY : 洪賢修

APPROVED BY : 謝立庭

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5. Efficiency Table :

Frequency (MHz)	Efficiency (%)	Pak Gain (dBi)
2400	62.29	3.41
2450	62.41	3.88
2500	64.37	3.47
5150	61.62	4.98
5250	62.26	4.89
5350	63.15	4.87
5470	62.41	4.85
5600	60.54	4.10
5725	66.64	4.88
5785	63.11	4.92
5850	60.76	4.81

UNLESS OTHER SPECIFIED TOLERANCES ON :

X=N/A X.X=N/A X.XX=N/A

ANGLES=N/A HOLEDIA=N/A

SCALE : N/A

UNIT : mm

DRAWN BY : 黃建棠

CHECKED BY : 鄭榮謀

DESIGNED BY : 洪賢修

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