

客戶名稱 : 和暢科技
CUSTOMER

Document No.: ENS000184970

Approval Sheet Rev.: A1

Spec. Rev. : P1

承認書

APPROVAL SHEET

產品品名/Product Model No. : **WA-P-LB-02-1020**

客戶料號/Customer No. : **KXWIF02102001**

專案名稱/Project Name: **HC-1570**

發行日期/ Issue Date : **2023/9/22**

承認日期/ Approved Date :

Approved by customer: (signing or stamping here)



Embedded Dual-Band Antenna for WA-P-LB-02-1020

1. Explanation of part number :

WA	P	LB	02	1020
(1)	(2)	(3)	(4)	(5)

- (1) Product type : Wireless Antenna
(2) Material : PCB
(3) Frequency : 2400~2500/5150-5850 MHz
(4) Coaxial Cable Type : Black
(5) Suffix : 1020

※天線為 Dipole

2. Electrical Specification :

The specifications were specially defined for HC 1570 model Antenna, and all characteristics were measured under the model's handset testing jig.

2-1. Frequency Band :

Frequency	2400-2500/5150-5850 MHz
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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 : 廖偉廷

CHECKED BY : 鄭榮謀

DESIGNED BY : 彭少君

APPROVED BY : 謝立庭

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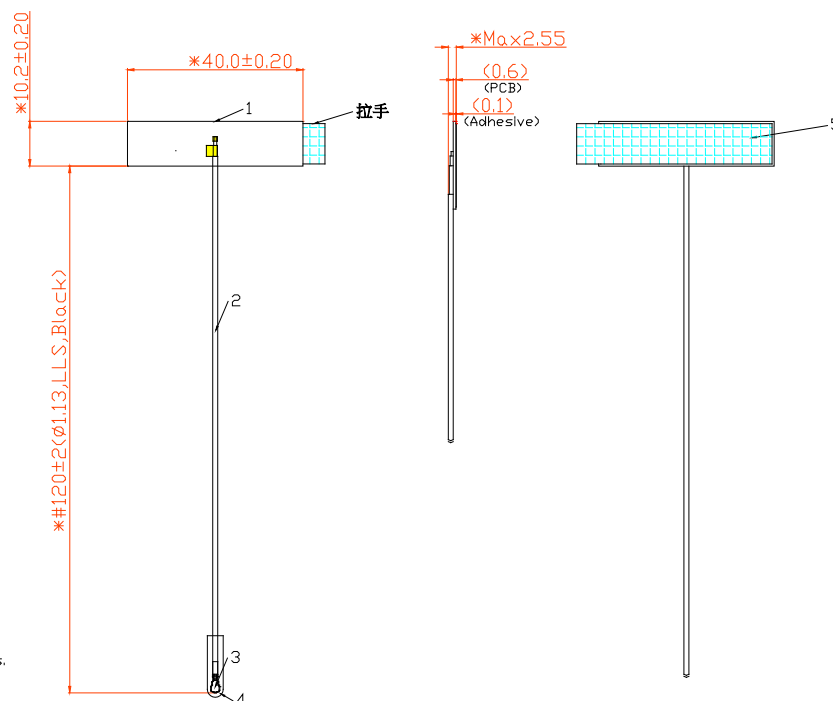
TITLE : Embedded Dual-Band Antenna for WA-P-LB-02-1020

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3. Antenna Drawing :

**NOTE:**

1. 工程圖上*號為重點尺寸標註指示
Mark * are the key dimensions.
2. 工程圖上#號為Cpk量測尺寸標註指示
Mark # are CPK dimensions.

REV.P0

ITEM	DESCRIPTION	MATERIAL SPECIFICATION	QUANTITY	UNIT	SUPPLIER	UL File NO
1	PCB	40*10.2*0.6mm	1	PCS	HA1041	E529263
2	Cable	OD1.13 LLS,Black	1	PCS	HA0008	E318898
3	Adhesive	Tesa4982,39x9.2x0.1mm	1	PCS	HA0026	N/A
4	Connector	I-PEX MHF4L I-PEX Equivalent(compatible)	1	PCS	HA0063	E213445
5	Tube	OD2.0*20mm	1	PCS	HA0059	N/A

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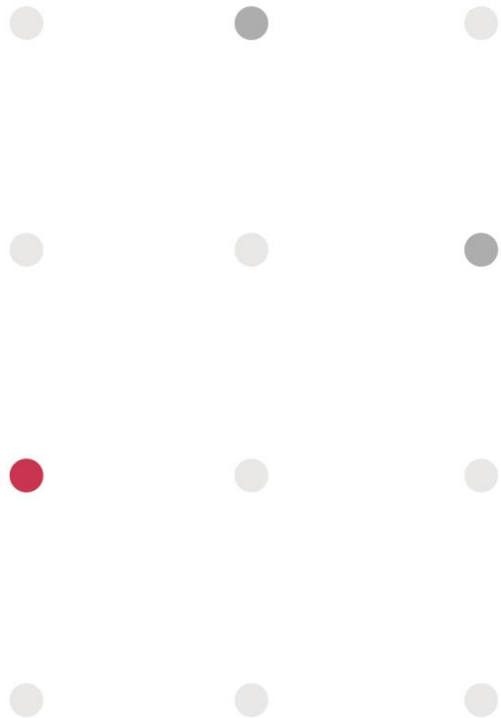
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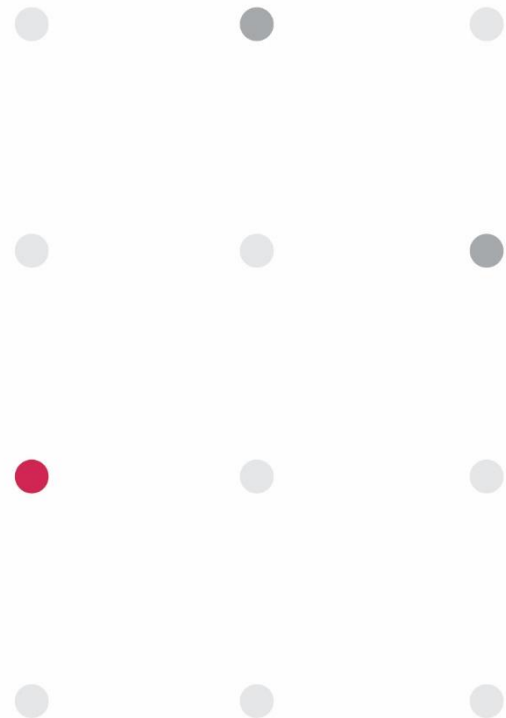
佳邦科技股份有限公司

INPAQ TECHNOLOGY CO., LTD.



PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.



15 inch WIFI antenna test

Presented by PSJ
Department: BU1 RF R&D
INPAQ Technology Co., Ltd.

Last updated in May. 11th, 2023

Report Version: A0

History

Date	Contents	Version
20230511	Antenna test	A0

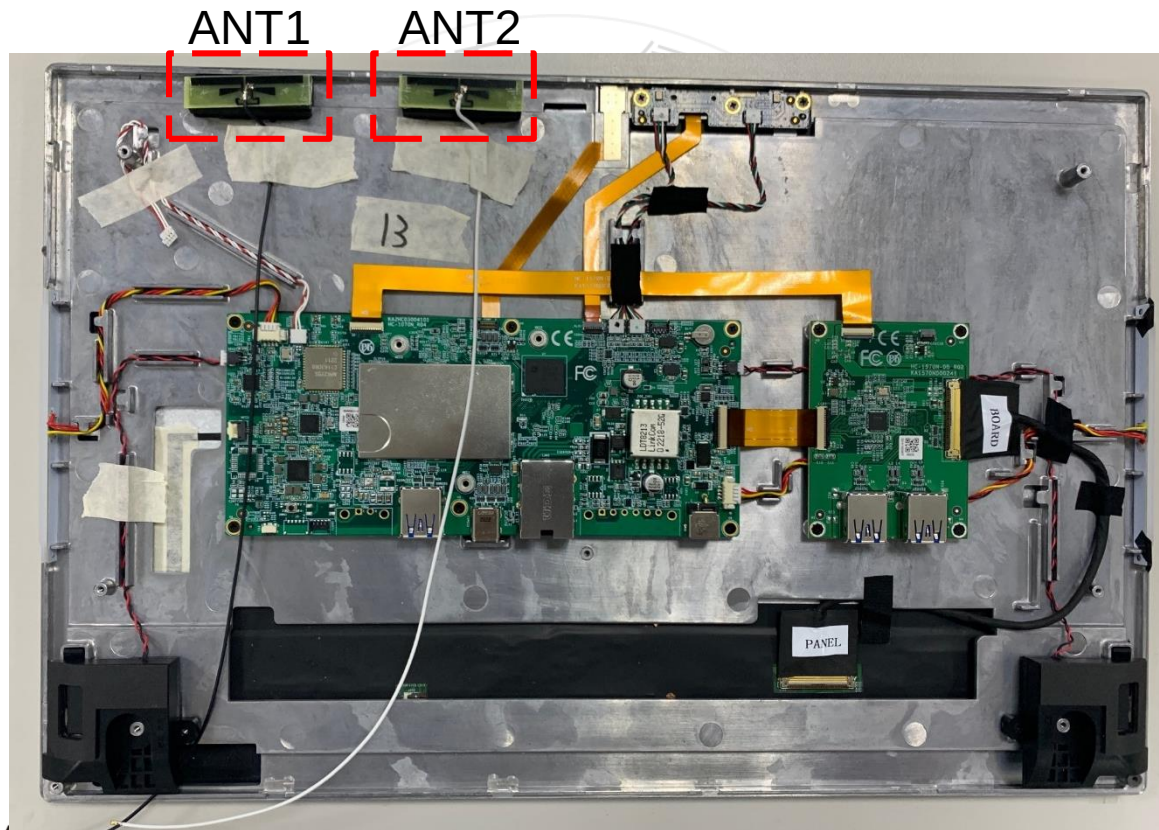
Specification

Requirements of Antenna Design

RF Function	Number of ANT	Frequency Band
WIFI	ANT1/2	2400-2500/5150-5850 MHz

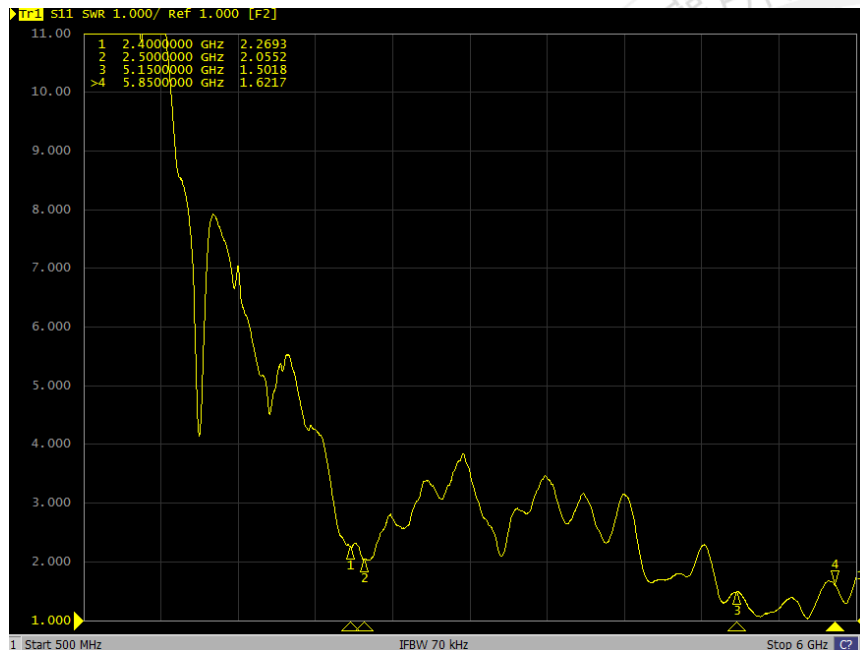


Product Overview_HC-0550

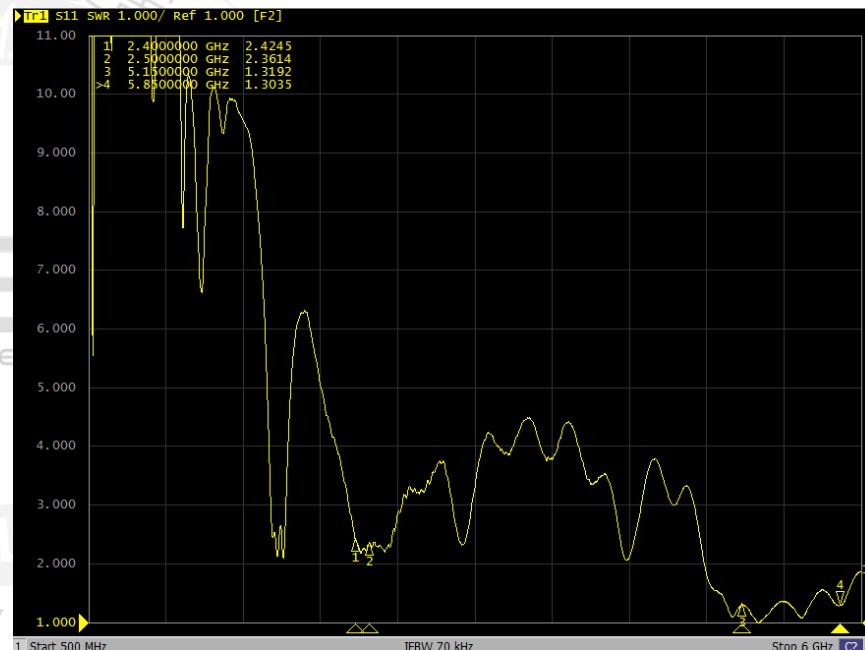


VSWR-INPAQ

ANT1

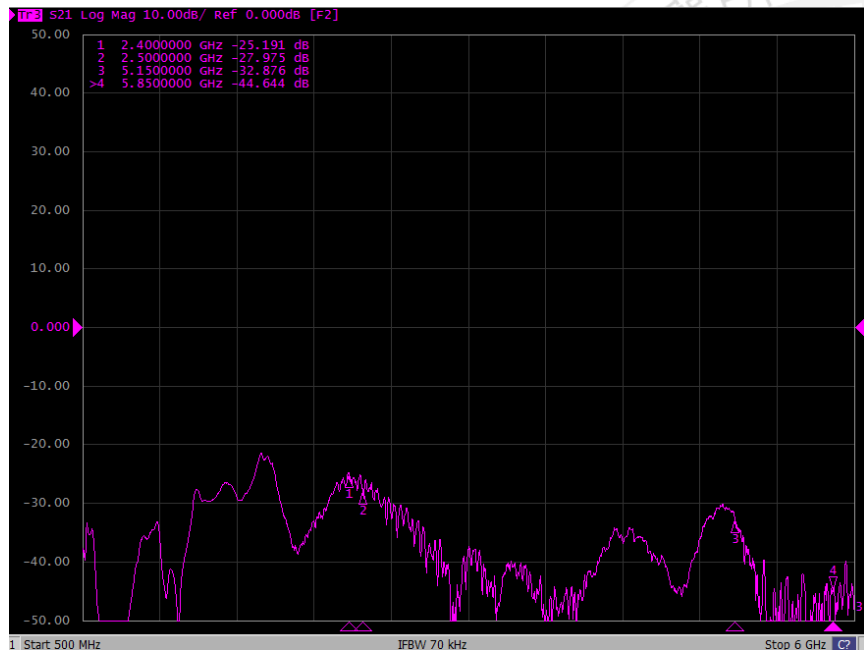


ANT2



Isolation-INPAQ

ANT1-ANT2



Efficiency & Gain-INPAQ

ANT1		
Frequency	Efficiency	Peak Gain
MHz	%	dBI
2400	33.27	4.04
2450	34.05	4.18
2500	36.1	4.56
5150	40.79	4.96
5470	43.39	5.92
5850	38.19	5.71

ANT2		
Frequency	Efficiency	Peak Gain
MHz	%	dBI
2400	34.86	3.95
2450	35.25	4.35
2500	34.92	3.94
5150	39.69	4.9
5470	43.86	5.18
5850	38.06	5.51

Thank you

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