

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 :

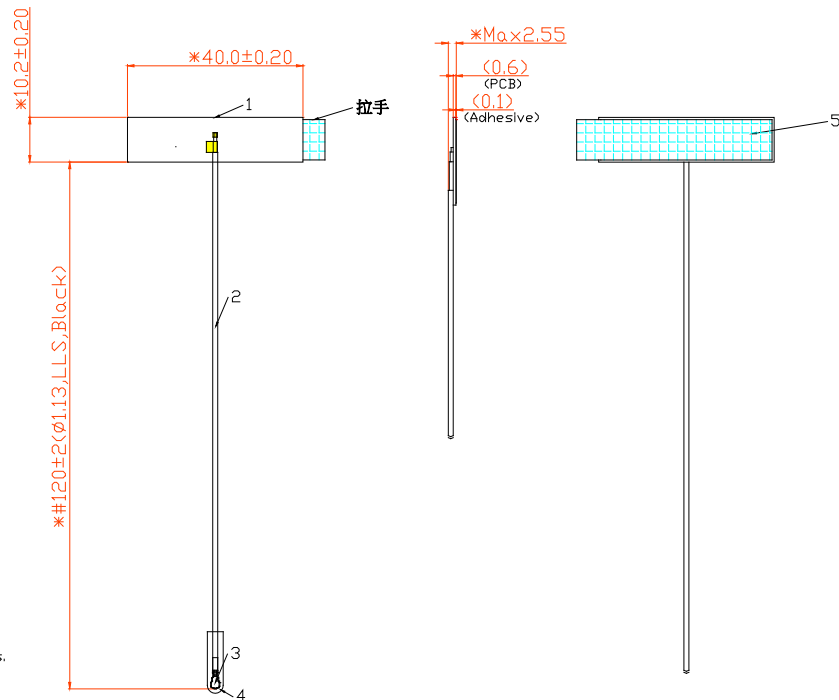
The specifications were specially defined for HC 1570 model Antenna, and all characteristics were measured under the model's handset testing jig.

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	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		
DRAWN BY : 廖偉廷	CHECKED BY : 鄭榮謀			
DESIGNED BY : 彭少君	APPROVED BY : 謝立庭			
TITLE : Embedded Dual-Band Antenna for WA-P-LB-02-1020		DOCUMENT NO.	ENS000184970	SPEC REV. P1

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

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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DOCUMENT NO.

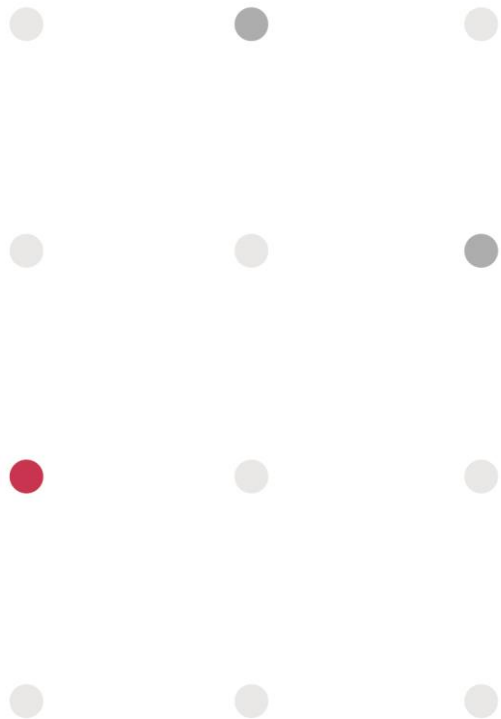
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PSA

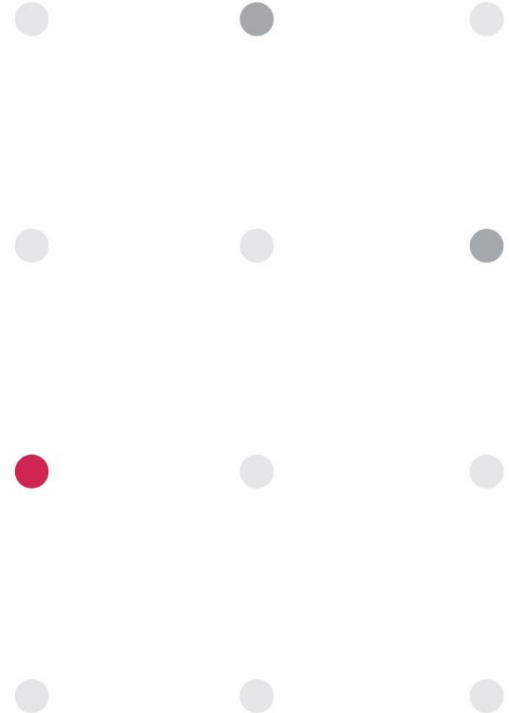
佳邦科技股份有限公司

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

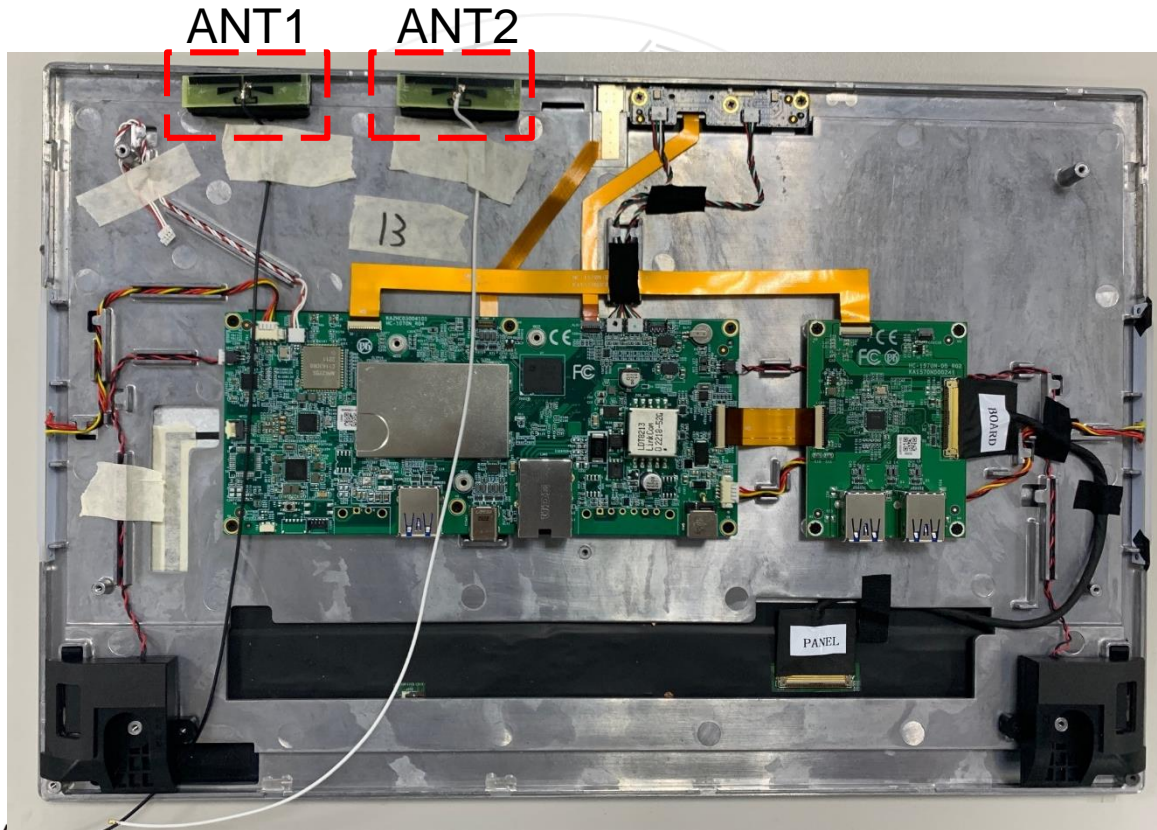
Specification

Requirements of Antenna Design

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

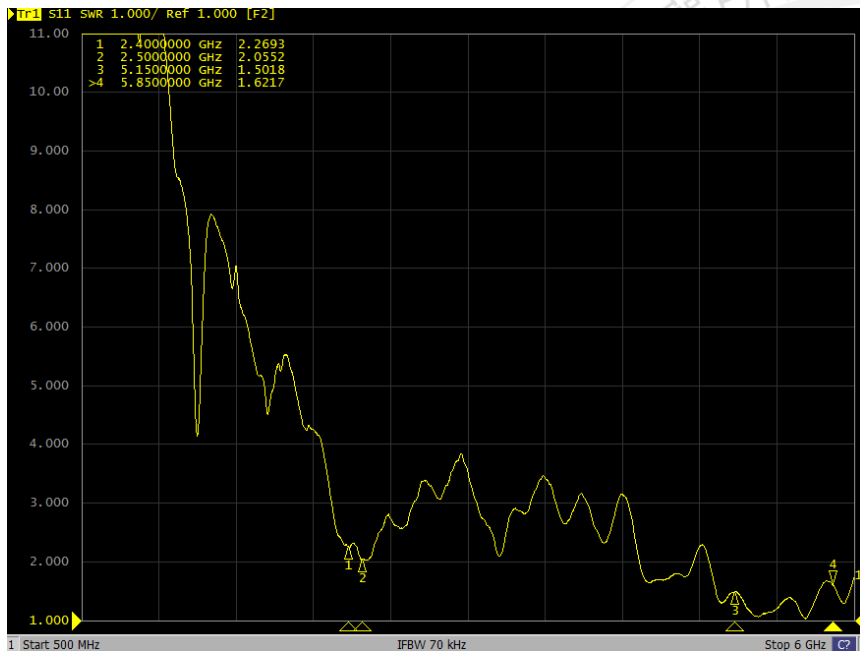


Product Overview_HC-0550

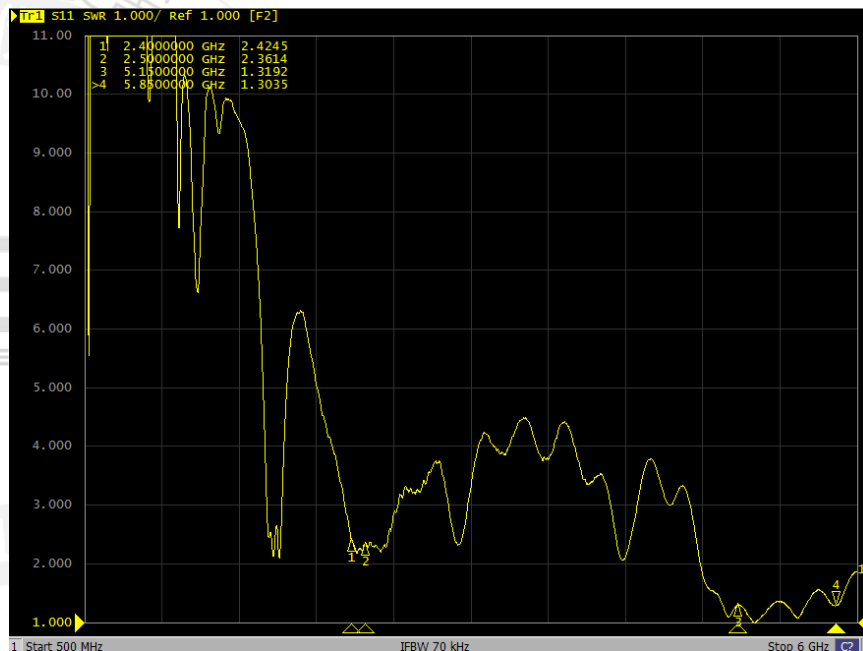


VSWR-INPAQ

ANT1

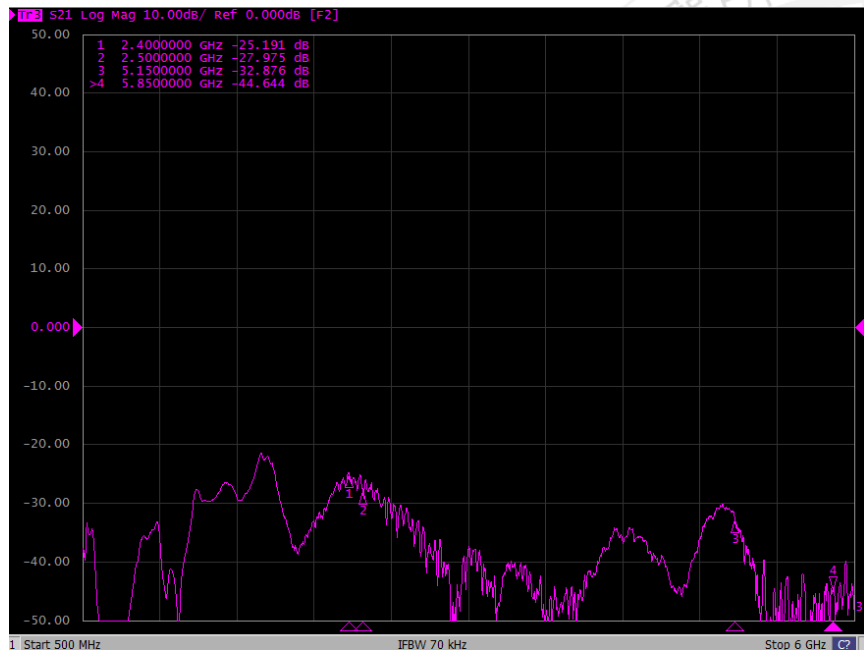


ANT2



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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