

SPECIFICATION FOR APPROVAL

CUSTOMER NAME: SHENZHEN AONI ELECTRONIC CO., LTD

CUSTOMER P/N:

PRODUCT P/N: H1C65F4D347A

PRODUCT NAME: built-in antenna/EC03567-B-01

Description: H1C65F4D347A/2.4/5.8G built-in FPC antenna

REV: A

出厂签章

SIGN	APPROVED BY	CHECKED BY	DRAMN

客户签章

SIGN	QE	R&D	PE

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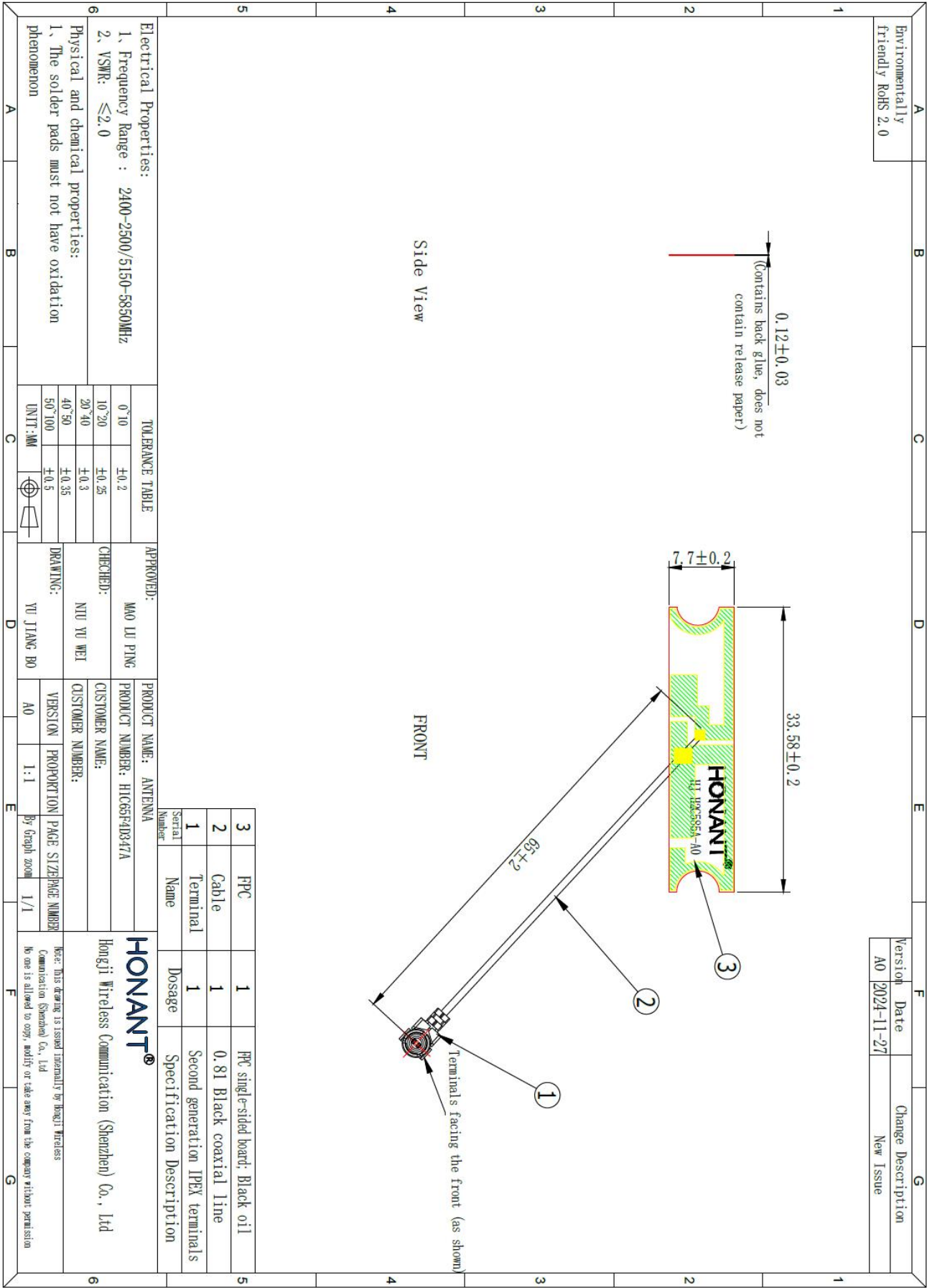
一、 Revision History:

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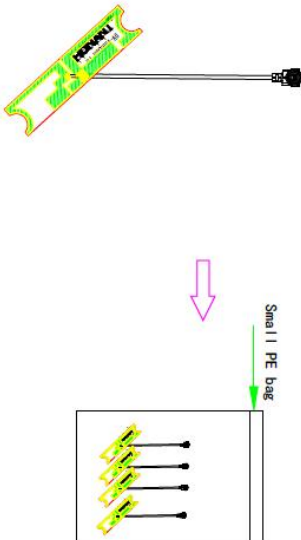
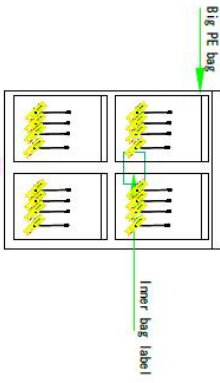
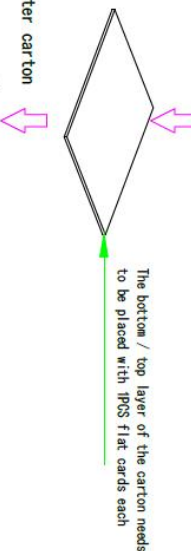
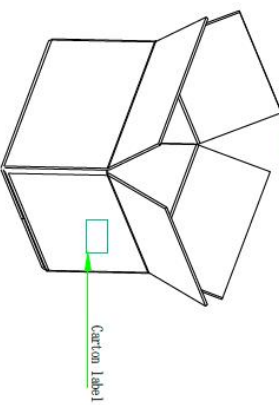
二、 Specification Table:

Main technical specifications	
Frequency Range (MHZ)	2400–2500/5150–5850
Impedance(Ω)	50
Gain(dBi)	4 ± 1
VSWR	≤ 2.0
Polarization	Linear
Radiation	Omni-directional
Connector Type	Cable+IPEX
Physical Properties	
Antenna cover	FPC
Operating Temp	-20℃~+70℃
Storage Temp	-20℃~+60℃

三、Product drawing:



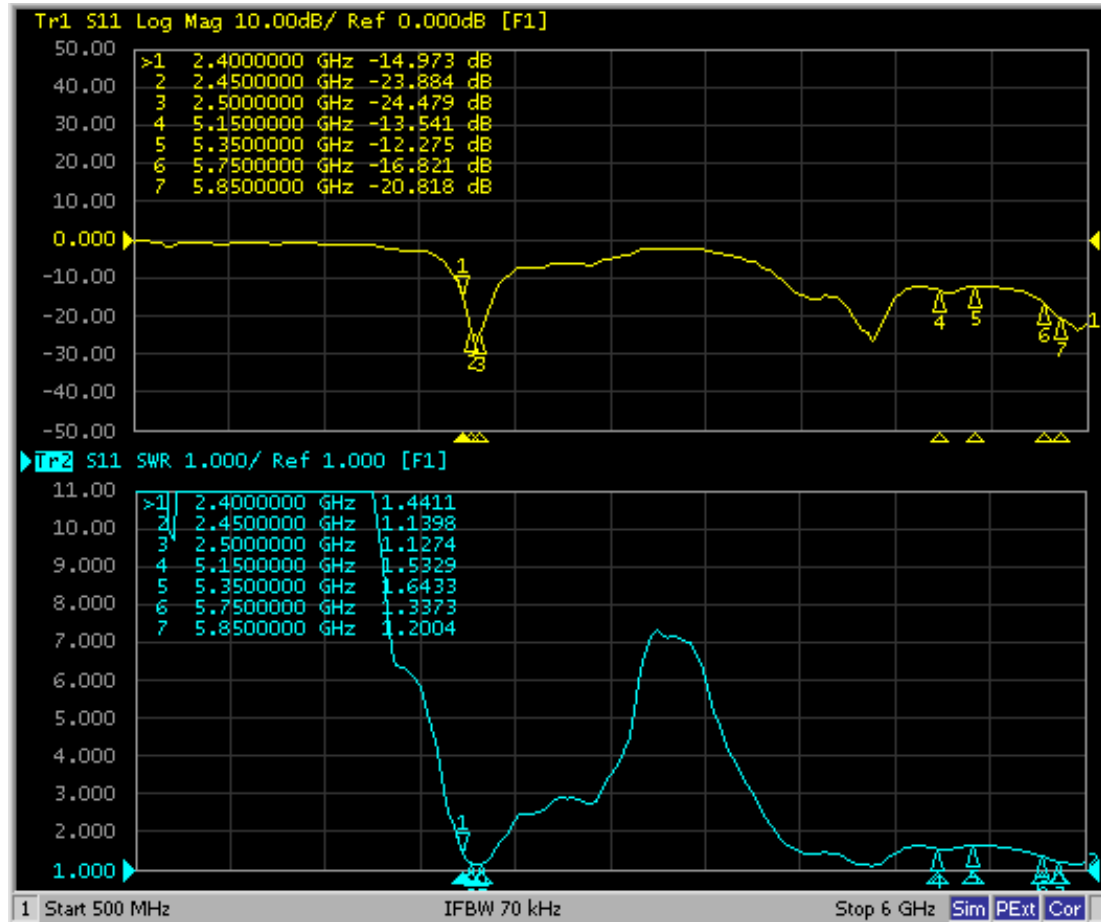
四、Packaging specifications:

A		B	C	D	E	F		G
Environmentally friendly RoHS 2.0						Version	Date	Change Description
						A0	2024-11-27	New Issue
1	Individual products		Small Inner Pouch Packing Instructions: 1. Each bag is packed with 200pcs products.		Large Inner Bag Packing Instructions: 1. Each big bag is packed with 10 small bags/a total of 2000PCS products 2. Each large bag needs to be labeled with the corresponding inner bag			
2								
3								
4	Outer carton packing instructions: 1. The bottom / top layer of the carton needs to put 1PCS flat card each, 2. The outer box needs to be labeled with 1PCS outer box label in the position shown in the figure, 3. 10 big bags per carton/total 20000PCS products. (The number of large bags on the outside and inside can be adjusted)							
5								
6	Note: This packaging method is estimated Actual shipment shall prevail							
A		B	C	D	E	F		
UNIT:mm				D		F		
DRAWING: YU JIANG BO		VERSION		PAGE SIZE		PAGE NUMBER		
A0		1:1		By Graph 200mm		1/1		
HONANT®		PRODUCT NAME: ANTENNA		PRODUCT NUMBER: HIC65F40347A		Hongji Wireless Communication (Shenzhen) Co., Ltd		
CHECKED: NIU YU WEI		CUSTOMER NAME:		CUSTOMER NUMBER:		Note: This drawing is issued internally by Hongji Wireless Communication (Shenzhen) Co., Ltd No one is allowed to copy, modify or take away from the company without permission		
APPROVED: MAO LI PING		CUSTOMER NAME:		CUSTOMER NUMBER:				

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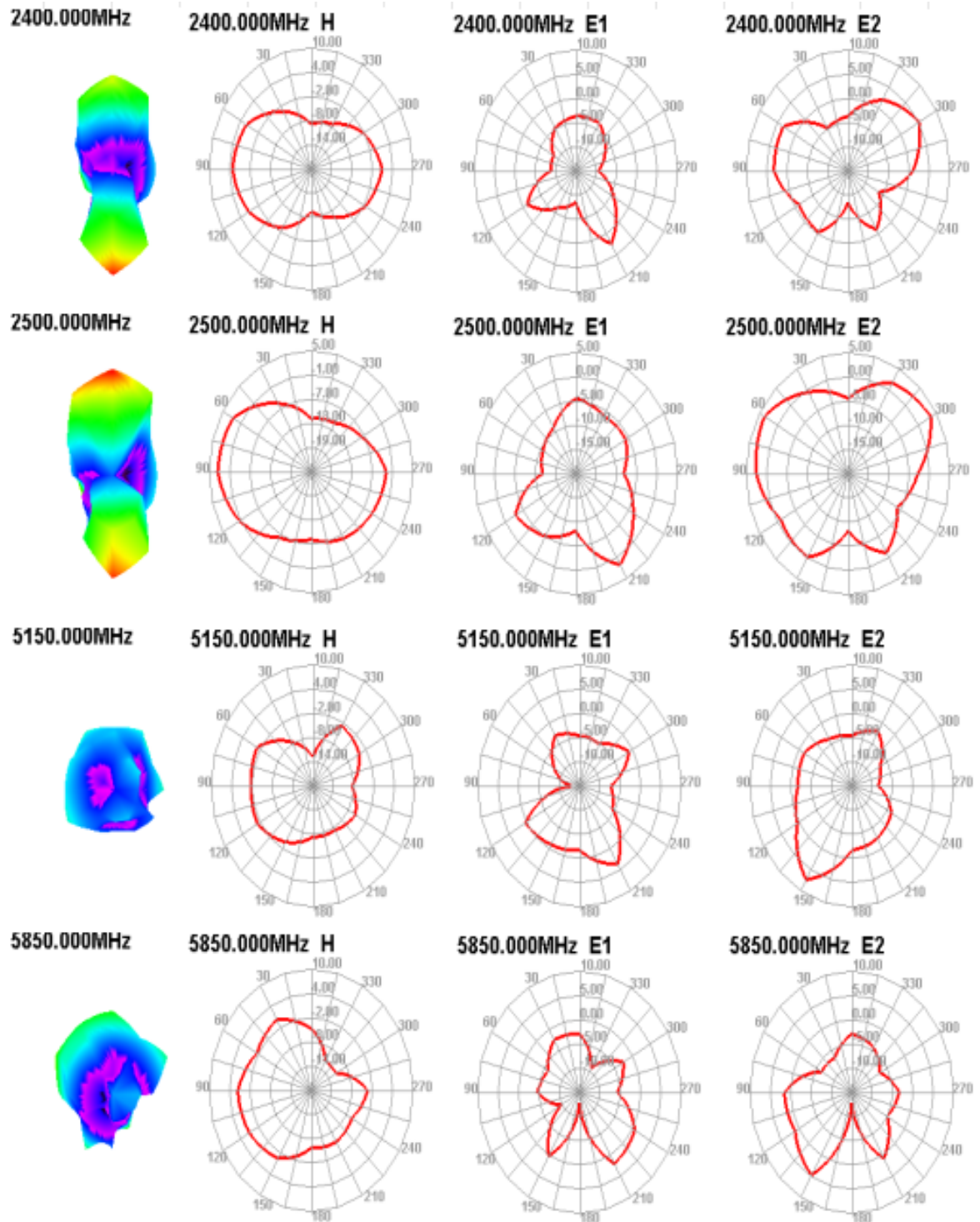
五、Test report:

5.1: antenna S11 parameters



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5.2: Passive pattern of antenna



5.3: Passive efficiency of antenna

Frequency(MHz)	Gain(dBi)	Effciency (%)
2400	3.63	62.13
2450	3.95	66.43
2500	3.78	60.31
5150	4.15	66.41
5350	4.29	69.82
5550	4.10	66.41
5750	4.13	67.54
5850	4.56	68.26

5.4: Active test report

Active Measurement Report											
Manufacturer				Model							
Item	Tester	Measurement	Azimuths	Elevations	Standard	Band	Channel	Frequency	MaxValue	TIS	TRP
1	Cmw500	Tis_with_Eirp	Every30	Every30	WIFI_B	B_11M	1	2412	-77.11	-72.63	14.07
2	Cmw500	Tis_with_Eirp	Every30	Every30	WIFI_B	B_11M	6	2437	-78.09	-73.69	15.67
3	Cmw500	Tis_with_Eirp	Every30	Every30	WIFI_B	B_11M	13	2472	-76.45	-70.06	16.31
4	Cmw500	Tis_with_Eirp	Every30	Every30	WIFI_A	A_54M	36	5180	-77.95	-73.39	17.04
5	Cmw500	Tis_with_Eirp	Every30	Every30	WIFI_A	A_54M	100	5500	-77.08	-72.53	17.19
6	Cmw500	Tis_with_Eirp	Every30	Every30	WIFI_A	A_54M	165	5825	-78.39	-73.63	16.73

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六、Schematic diagram of the entire machine:

