

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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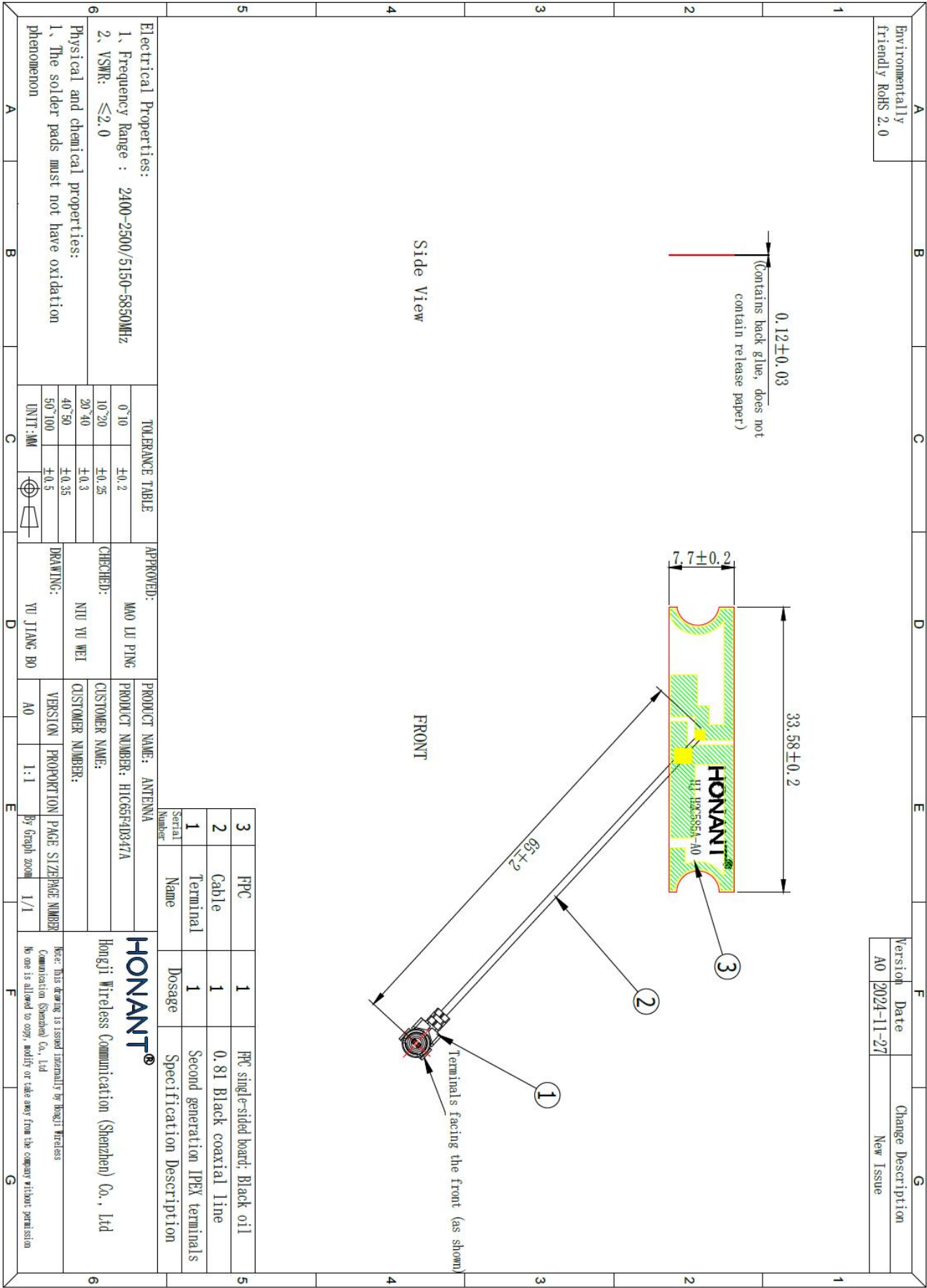
一、 Revision History:

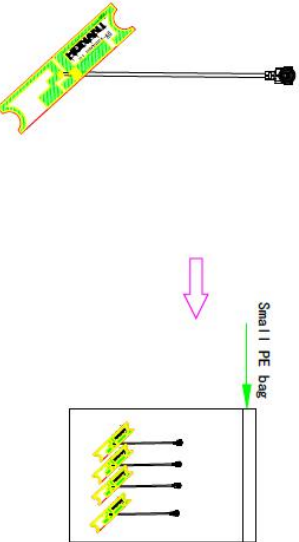
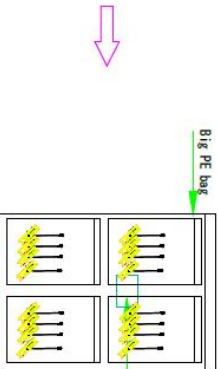
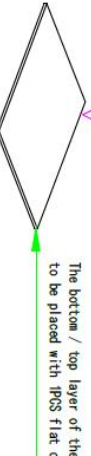
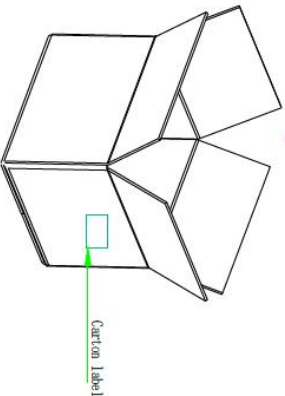
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二、 Specification Table:

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:

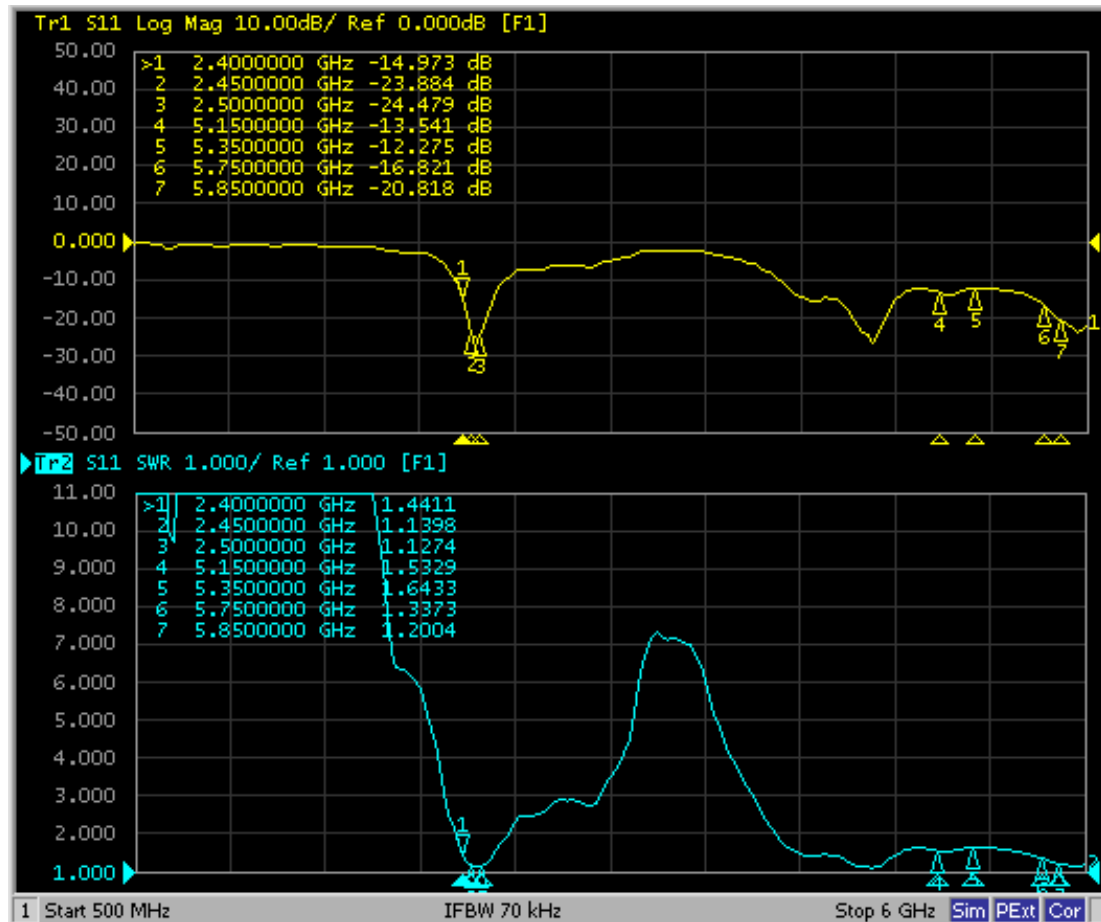


Environmentally friendly RoHS 2.0		Version		Date		Change Description	
		A0		2024-11-27		New Issue	
Individual products		Small Inner Pouch Packing Instructions:		Large Inner Bag Packing Instructions:			
1. Each bag is packed with 200pcs products.		1. Each big bag is packed with 10 small bags/a total of 2000PCS products		2. Each large bag needs to be labeled with the corresponding inner bag			
							
Outer carton packing instructions:		Packed in outer carton					
1. The bottom / top layer of the carton needs to put IPCS flat card each,							
2. The outer box needs to be labeled with IPCS 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)							
							
Note: This packaging method is estimated Actual shipment shall prevail							
APPROVED: MAO LI PING		PRODUCT NAME: ANTENNA		Version		Date	
CHECKED: NIU YU WEI		PRODUCT NUMBER: HIC65F-AD347A		A0		2024-11-27	
DRAWING: YU JIANG BO		CUSTOMER NAME: CUSTOMER NUMBER:		Change Description		New Issue	
VERSION		PROPORTION		PAGE SIZE		PAGE NUMBER	
A0		1:1		By Graph zoom		1/1	
Note: This drawing is issued internally by Hongji Wireless Communication (Shenzhen) Co., Ltd to one is allowed to copy, modify or take away from the company without permission		HONANT®		Hongji Wireless Communication (Shenzhen) Co., Ltd			

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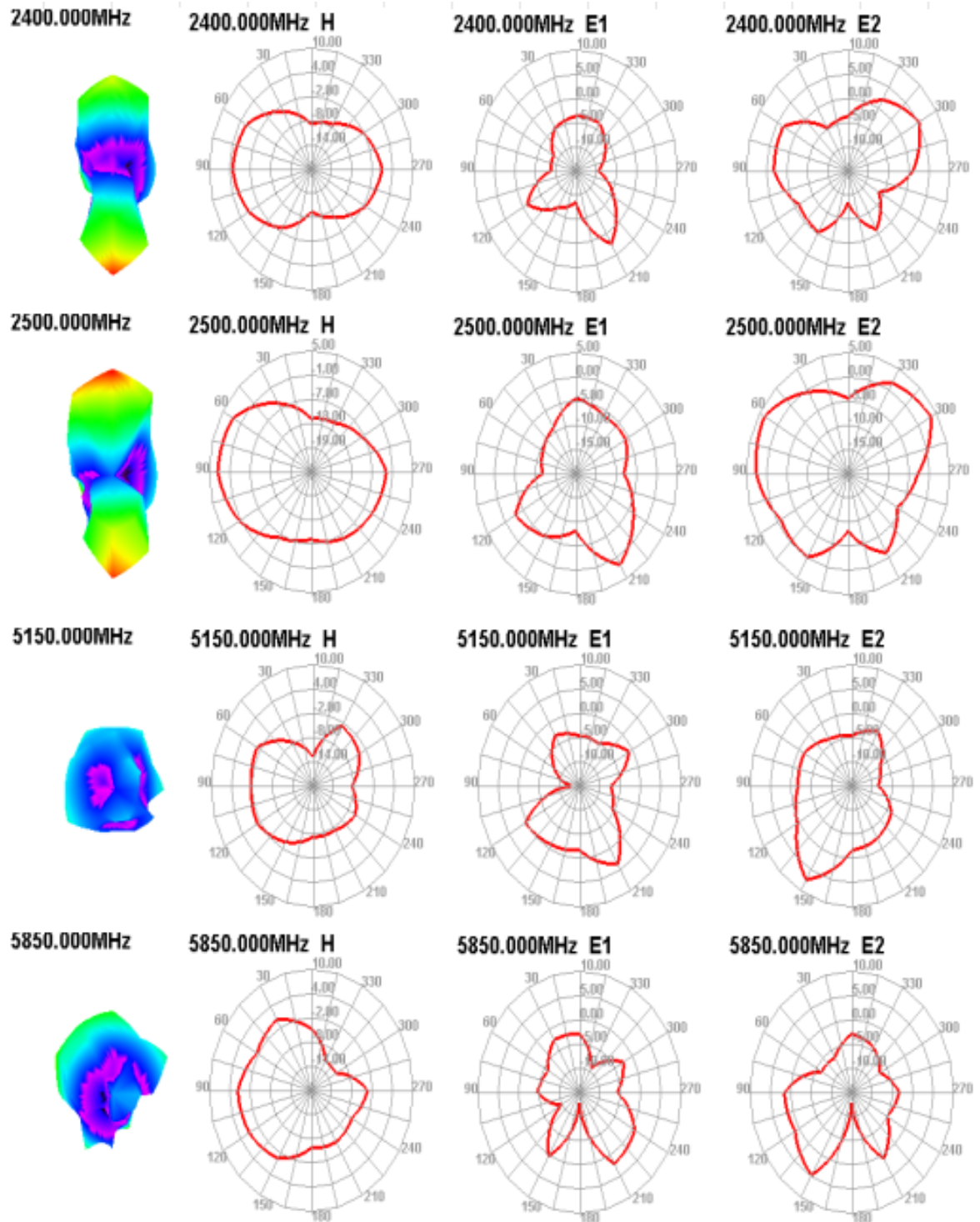
五、Test report:

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:

