

HONANT

Acknowledgement

SPECIFICATION FOR APPROVAL

Customer Name

CUSTOMER NAME: Shenzhen Gangshan Guanglian Electronic Technology Co., Ltd.

Customer Part Number

CUSTOMER P/N:

Product Number

PRODUCT P/N: H1C56F3D362A

Product Name

PRODUCT NAME: 2.4Gbuilt-inFPCantenna

Specifications: H1C56F3D362A/2.4Gbuilt-inFPCantenna0.81Black Line

Description: L=56mm+DomesticIPEX(Second generation)

Version

REV: Aversion

Factory stamp

SIGN	Approval APPROVED BY	Audit CHECKED BY	Production DRAM

Customer signature

SIGN	quality QE	Development R&D	project PE

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1. Version HistoryRevision History):

Version Number	Revision Page	Change Date	Revised by	Reasons and contents of revision	Remark
Reversio n	noodle Revisio	Change date	Revised by	Reason and content for revision	Remarks
A	-	2024.12.11	Victor	First edition released	

illustrate:

In principle, this specification is valid for 1 year;

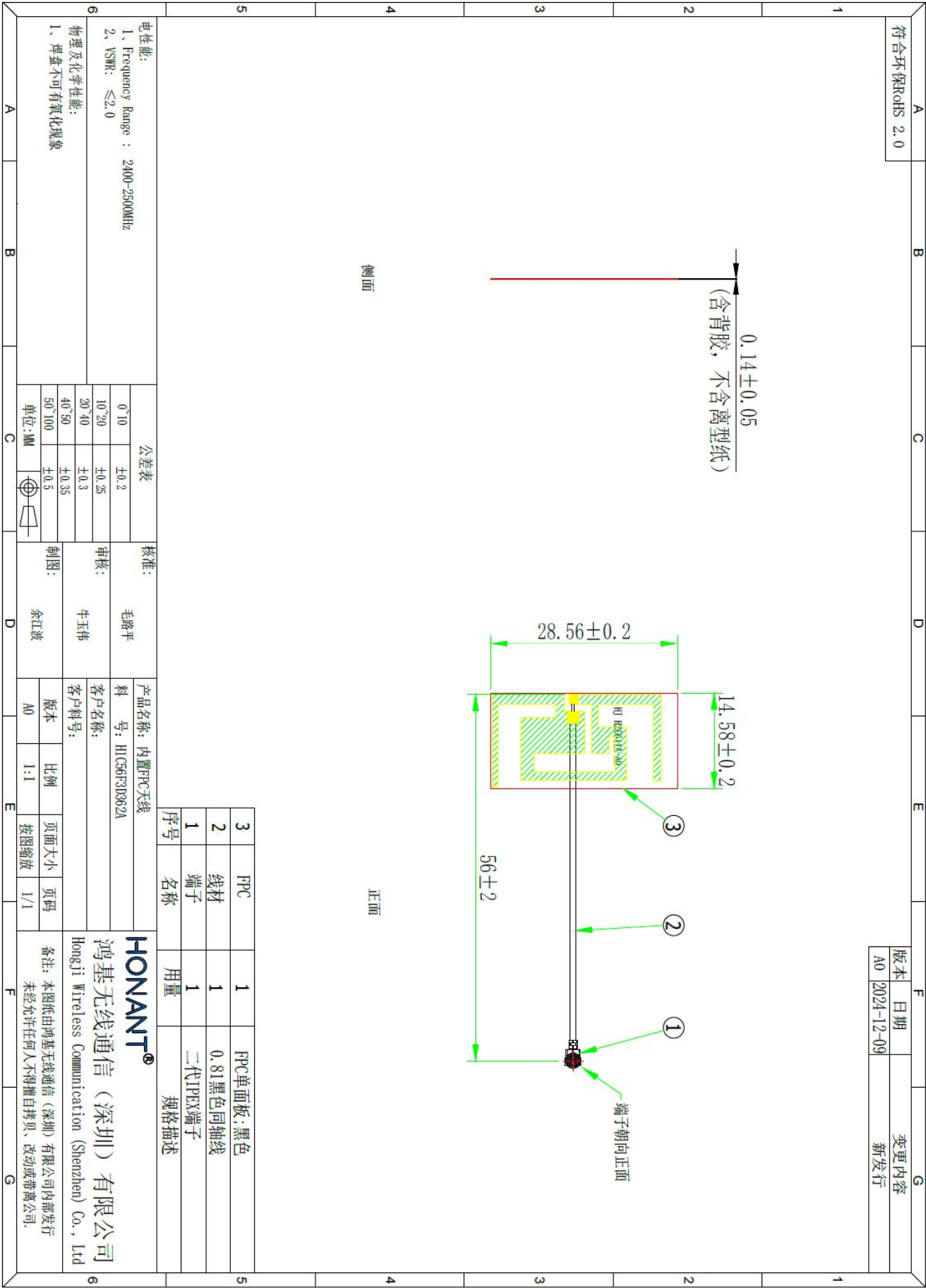
If either party needs to make changes, both parties must reach an agreement and the changes can be implemented; after the validity period of this specification expires, if neither party makes any request for modification, the validity period of this specification will be extended by 1 year.

2. Specifications (Specification Table):

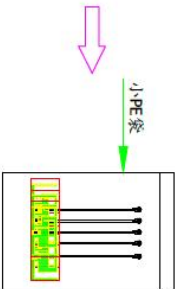
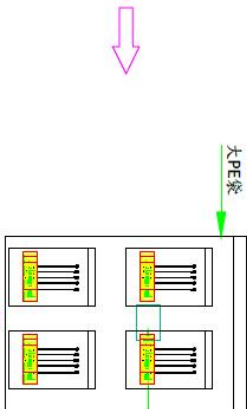
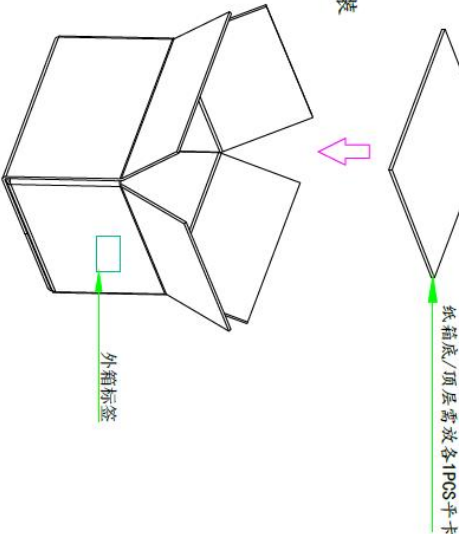
Main technical parameters of the product

Main technical indicators		Main technical specifications	
Frequency range (MHZ)	2400-2500	Frequency Range (MHZ)	2400-2500
Characteristic impedance(Ω)	50	Impedance(Ω)	50
Gain(dBi)	2.98	Gain(dBi)	2.98
Output voltage VSWR	≤ 2.0	VSWR	≤ 2.0
Polarization	Linear polarization	Polarization	Linear
Directionality	Omnidirectional	Radiation	Omni-directional
Connection	Cable+IPEX	Connector Type	Cable+IPEX
Physical properties		Physical Properties	
Antenna Materials	FPC	Antenna cover	FPC
Operating temperature	- 20°C~+70°C	Operating Temp	- 20°C~+70°C
Storage temperature	- 20°C~+60°C	Storage Temp	- 20°C~+60°C

3. Finished product picture (Product drawing):

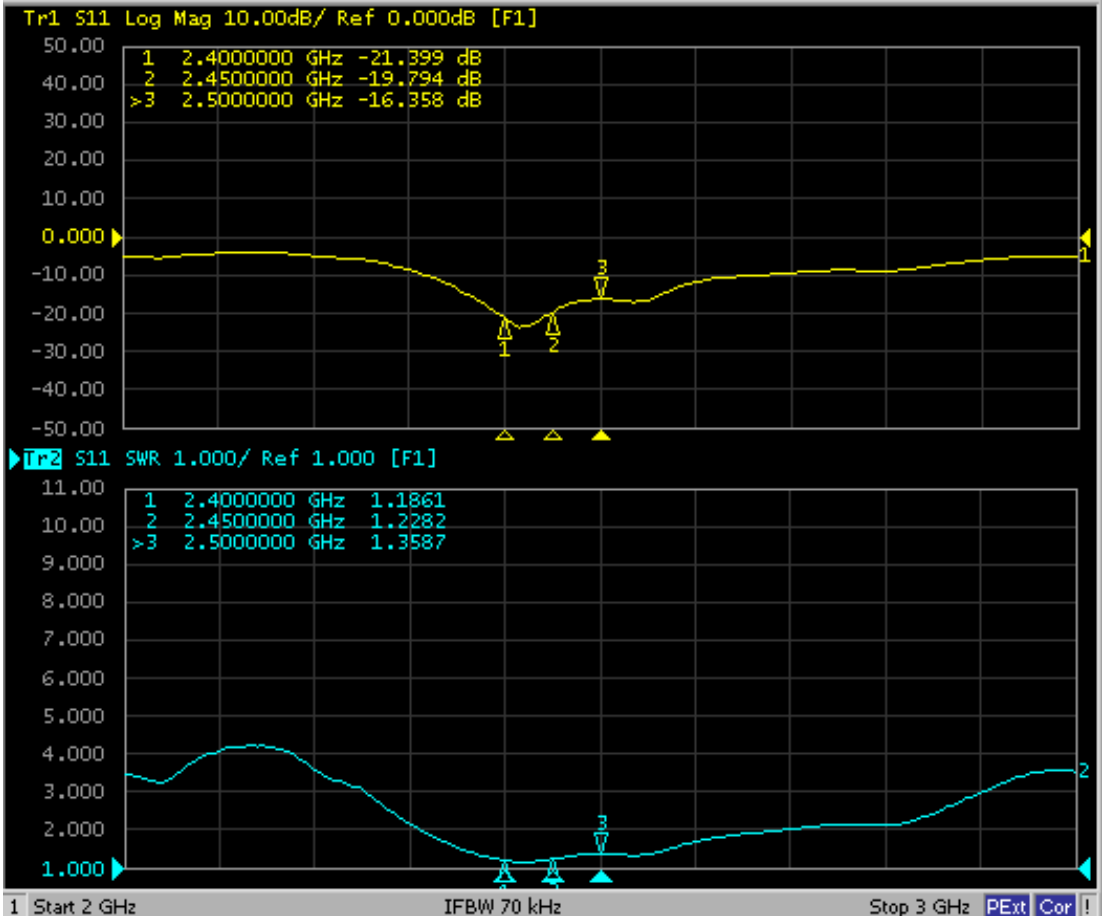


4. Packaging Specifications (Packaging specifications):

符合环保RoHS 2.0				版本		日期		变更内容	
				A0		2024-12-09		新发行	
1				单个产品		小内袋包装说明： 1. 每袋装入200pcs产品。		大内袋包装说明： 1. 每大袋装入10小袋/共2000PCS产品。 2. 每大袋需贴相应内袋标签	
									
2				小PE袋		大PE袋		内袋标签	
3				外箱包装		纸箱底/顶层需放各1PCS平卡			
4				外箱包装说明： 1. 纸箱底/顶层需放各1PCS平卡， 2. 外箱需贴1PCS外箱标签于图示位置。 3. 每箱装10大袋/共20000PCS产品。 (此数量可在可承重及可转运范围内调整)					
5				注：此包装方式为预估 出货时以实际为准					
6									
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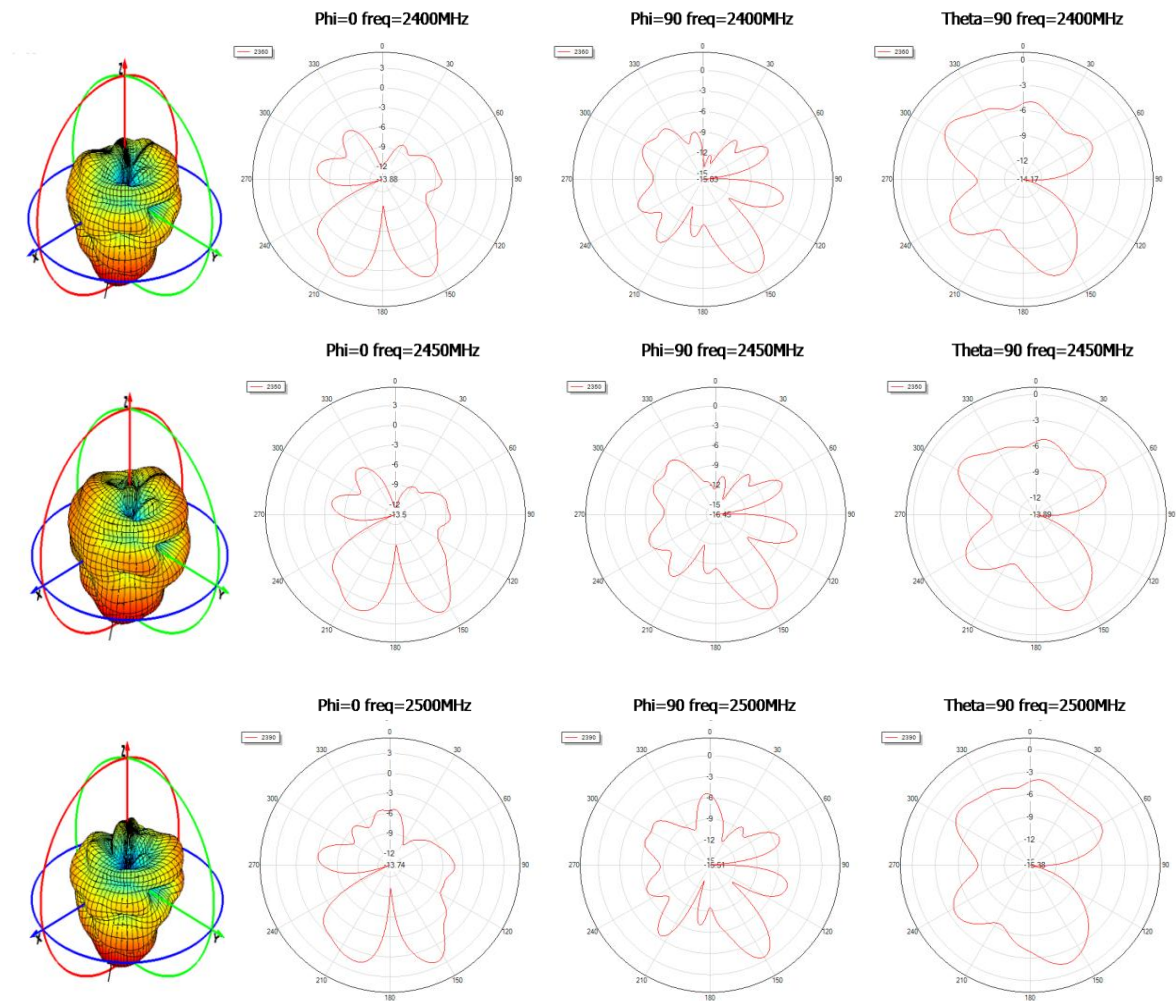
5. Test report:

5.1: Network Analyzer Test Report



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5.2:darkroom2D,3D Raditation Pattern



5.3: Antenna gain and efficiency

Frequency(MHz)	Gain(dBi)	Effciency(%)
2400	2.81	45.31
2410	2.89	46.35
2420	2.94	47.57
2430	2.85	48.66
2440	2.26	49.89
2450	2.98	51.65
2460	2.85	50.09
2470	2.96	49.33
2480	2.87	48.37
2490	2.81	46.04
2500	2.76	44.72

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	-80.57	-76.21	13.93
2	Cmw500	Tis_with_Eirp	Every30	Every30	WIFI_B	B_11M	6	2437	-83.21	-78.82	14.26
3	Cmw500	Tis_with_Eirp	Every30	Every30	WIFI_B	B_11M	13	2472	-81.25	-77.34	14.12

6. Schematic diagram of the whole machine (Schematic diagram of the entire machine):

