



Name/model: FPC ANT/A0

manufacturer : Kunshan Yun Zhihong Electronic Technology Co., LTD

address : No. 1904, Building 12, Tianyifengjing Community, Jincheng Street, Panlong District, Kunming City, Yunnan Province

1. update log

version number	Change matters	Change date	Change the person
1.0	editio princeps	2023-5-29	Wei-Ji'an lai

2. Product application

This antenna is used in the WIFI antenna of Shanghai Andrew Technology Co., Ltd.

3. Environmental parameters

Operating temperature: -40°C ~85°C

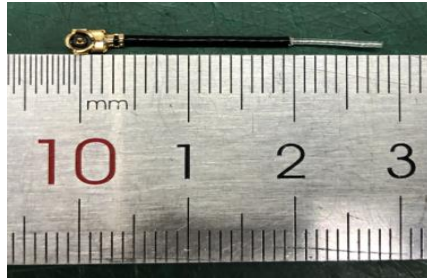
Storage temperature: -40°C ~90°C

4. Performance specifications

Electrical parameters	
Antenna performance index (2.4 GWIFI antenna)	
Frequency Range (MHz)	2400-2500
Band Width (MHz)	100
Input impedance (Ohms)	50
Voltage standing-wave ratio (VSWR)	≦2.0
gain (dBi)	≦2
Polarization mode	linear polarization
radiation efficiency	≧30%

document number		Customer material number	
filename	YH0293-X06-00	Preparation date	2023-5-29
Documentation Edition	A		
authorized strength	Liu Shiqiang	examine and verify	Wei-Ji'an lai
		ratify	To zhiwen

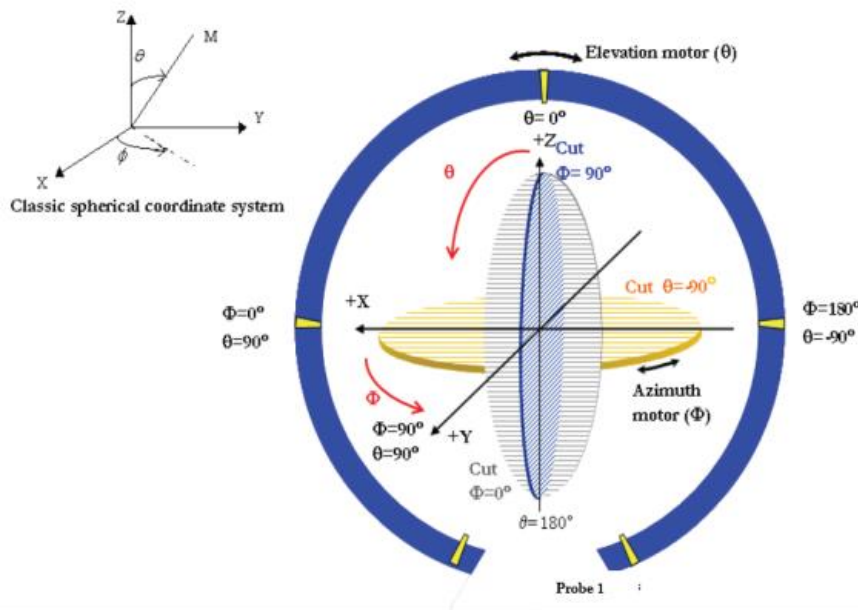
5. Physical picture



6. The antenna test environment

Antenna input characteristics were tested using a Agilent E5071C vector network analyzer.

The antenna radiation characteristics were tested using a near-field microwave dark chamber. The test coordinate system is shown in Fig,



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7. Antenna performance test data

7.1 Image of the antenna test



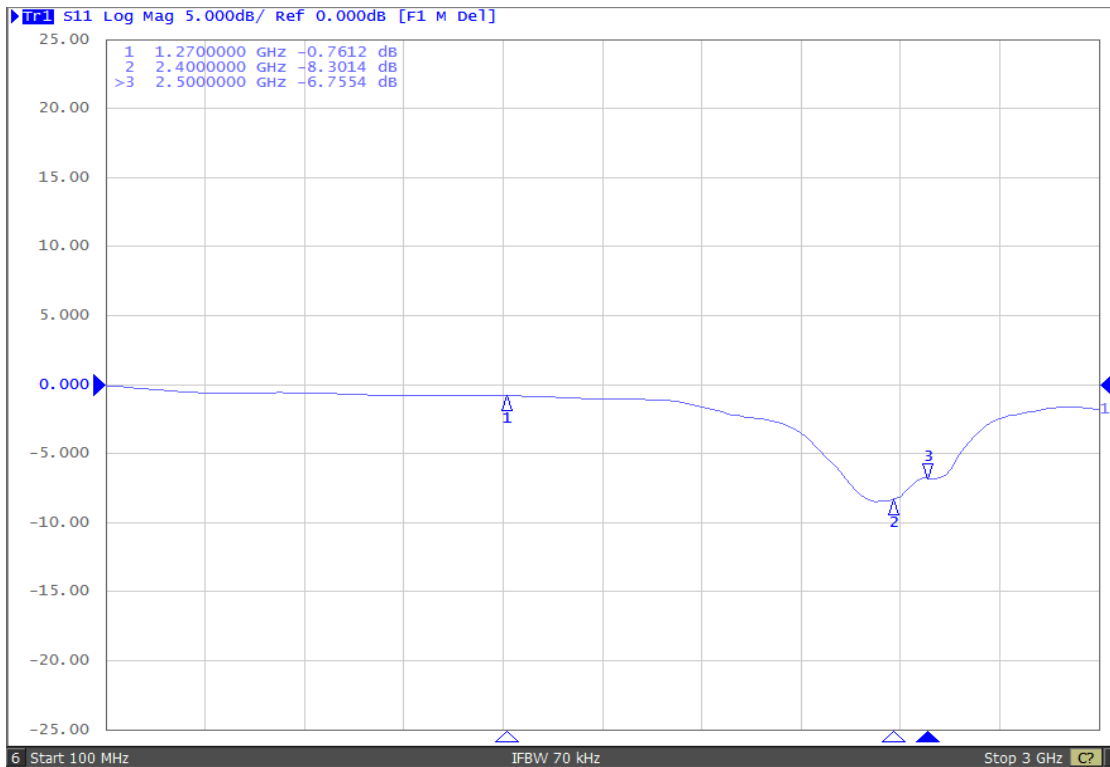
芯线长度: 8mm



天线匹配: 并1.8pF

7.2 Antenna test with

passive data



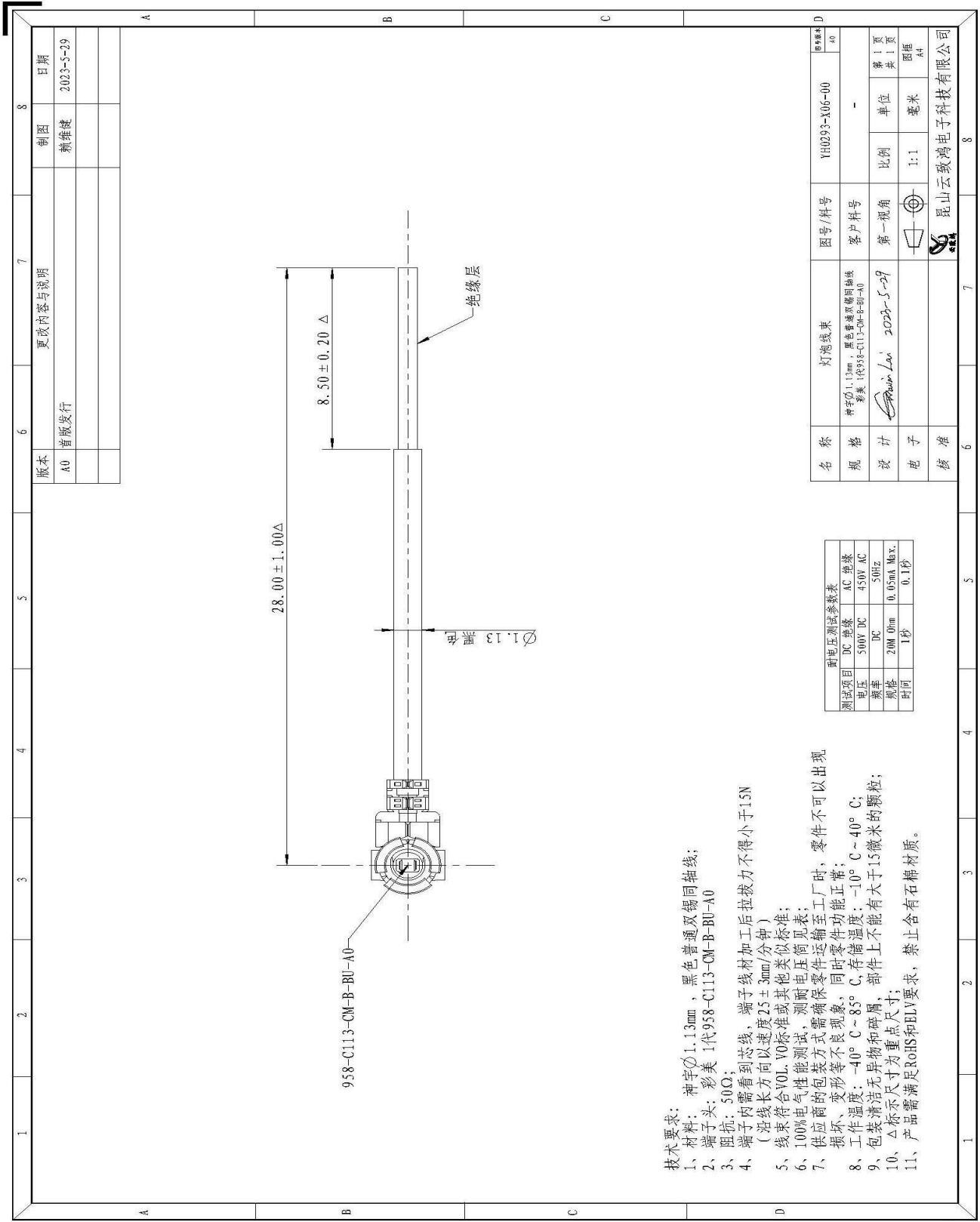
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Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	37.5	-4.3	1.3
2410	32.0	-5.0	0.7
2420	33.6	-4.7	1.1
2430	35.3	-4.5	1.5
2440	32.2	-4.9	1.2
2450	37.5	-4.3	2.0
2460	31.2	-5.1	1.2
2470	30.8	-5.1	1.2
2480	32.6	-4.9	1.5
2490	29.7	-5.3	1.1
2500	33.0	-4.8	1.6
MAX	37.5	-4.3	2.0

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8. Antenna drawings



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9. Full-size test report

Full-size measurement report: Full size measurement report

Supplier / Supplier		Kunshan Yun Zhihong Electronic Technology Co., LTD	Part number / Part number							
Inspector / Inspector		Zheng Jing quietly	Part Name / Part name	YH0293-X06-00						
Date/ date		2023/5/29	Edition Version	T0						
NO/ order number	Dimensions / features including Notes dimensions / features include notes	Tolerance Tolerance	Measuring Gauge Measurement instrument	Supplier test results, Supplier test results					ok qualified	No t ok No t qual ifie d
				1	2	3	4	5		
1	28mm	±1	callipers	28.00	28.30	27.70	27.8	28.10	ok	
2	8.5mm	±0.2	callipers	8.55	8.61	8.43	8.40	8.52	ok	
3	1.13mm	±0.05	callipers	1.12	1.11	1.15	1.13	1.16	ok	
4	drawing load	>15N	tensile machine	17	16	18	18	17	ok	

Table making: Zheng Jingjing confirmed: Huang Qing audit: Lai Weijian

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10. Packaging information

Supplier name: Kunshan Yun Zhihong Electronic Technology Co., LTD

part number		part name	YH0293-X06-0	date	
Parts importance: key <input type="checkbox"/> important <input type="checkbox"/> general <input checked="" type="checkbox"/>					
Packaging unit: Kunshan Yun Zhihong Electronic Technology Co., LTD			Delivery unit: Kunshan Yun Zhihong Electronic Technology Co., LTD		
Arriving unit:			distance:		
Empty packaging recycling unit: scrap			Mode of transportation: freight transportation		
abbreviated drawing			ask		
Internal packaging instructions			Description of packing box		
Overall dimension: 80cm * 60 cm			outline dimension:		
Material: Pearl cotton * EP * bag packaging			Material: carton		
Number of parts / package: 1 PCS / package			Number of parts / boxes:		

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