Eii 卓创智能
Excellence Innovation Intelligence

Shenzhen Zhuochuang Intelligent Technology Co., Ltd

Sample specification recognition

Manufacturer Name: Shenzhen Yishengbang Technology Co., Ltd

Manufacturer internal part number: WIFI MAIN: SLK-ZC-P9409F-L-315IV-B-0.81DS
WIFI AUX: SLK-ZC-P9409F-L-270IV-G-0.81DS

Zhuochuang model: N160MU2-AR188

Zhuochuang part number: CWW-U2ARD02-01

Material model: Wi Fi main antenna/PCB integrated antenna/wire diameter 0.81mm/wire length 315mm/black/4th generation terminal/SLK-ZC-P9409F-L-31IV-B-0.81DS/secondary antenna/wire diameter 0.81mm/wire length 270mm/gray/4th generation terminal/SLK-ZC-P9409F-L-270IV-G-0.81DS/back with adhesive/conductive cloth/Yishengbang

Reason for signature: ☐First sample sealing ☐Upgrade and improve ☐ Alternative materials

provide materials: 1.☑Product drawings 2.☑SPECIFICATION 3.☑Material Description 4.☑Reliability Test Report 5.☑QAinspection report 6.☐mbom 7.☐RoHS report 8.☑Packaging method 9.☑Electronic Document Acknowledgment

Supplier confirmation	unit	make	Structural engineering	electronic engineering	quality	to examine
	signature	Fan xin zhu	Liu cai liang	Fan xin zhu	Guo liang	Huan zhen
Zhuochuang confirms	unit	project	structure	electron	quality	date
	signature					
	Temporary samples:☐Limited use (quantity)___ ☐Not adopted					
	Formal sample:☐Batch use ☐Limited use (quantity)___ ☐Not adopted					

Zhuochuang's opinion	Reason for limited or non use:
	Signature of Project Manager:

remarks ：

Confirmation letter

in five copies, signed and stamped (cover+saddle seal)

2024 01 edition

Shenzhen Yishengbang Technology Co., Ltd

Sample Confirmation Letter

SPECIFICATION FOR APPROVAL

Company Name (to be filled in by the customer): Shenzhen Zhuochuang Intelligent Technology Co., Ltd

Material Code (to be filled in by the customer): _____

Specification and model (to be filled in by the customer): N160MU2-AR188

Admitted date (to be filled in by the customer): _____

Manufacturer Name (filled in by SLK): Shenzhen Yishengbang Technology Co., Ltd

model (filled in by SLK):WIFI MAIN:SLK-ZC-P9409F-L-315IV-B-0.81DS

WIFI AUX:SLK-ZC-P9409F-L-270IV-G-0.81DS

Admit signature					
Manufacturer acknowledges			Shenzhen Zhuochuang Intelligent Technology Co., Ltd		
engineer	to examine	approval	engineer	to examine	approval
Fan xin zhu	Huang zhen	Lin mei cai			
Seal and signature			Seal and signature		
Date	2025-07-07		Date		

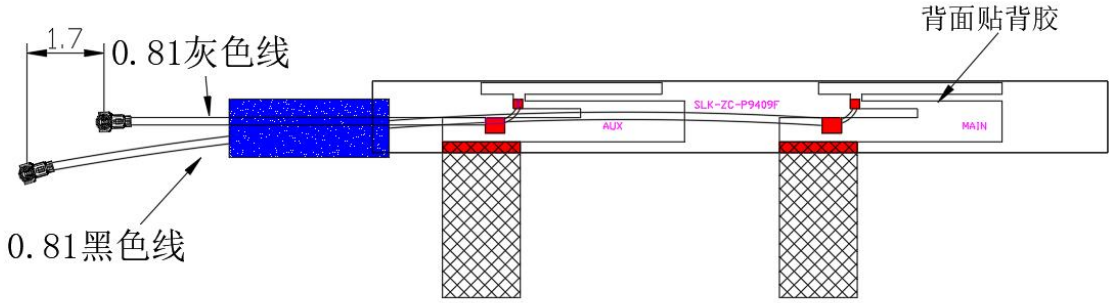
Shenzhen Yishengbang Technology Co., Ltd

written instructions or comments: ☐ accept ☐conditional acceptance
Remarks (to be filled in by the customer):

Manufacturer Name: Shenzhen Yishengbang Technology Co., Ltd
Manufacturer Address: 101, Building C, Qianwan Hard Technology Industrial Park, Nanchang Community, Xixiang Street, Bao'an District, Shenzhen Phone: 18666299104 Fax: 0769-82553116

WIFI MAIN

1. Explanation of Product number :



Product Code:

(1) Customer:Zhuochuang

(2) Antenna Name:WIFI Antenna

(3) Connector:0.81 black low loss wire, total length 315mm, 4th generation terminal

2. Features

*Stable and reliable in performances

*Compact size

*RoHS compliance

3. Applications

* IEEE802.11 (b/g/n/a)

* Hand-held devices when WIFI (802.11b/g/n/a) functions are needed

4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11b/g/n/a) applications. Based on Holy bond's proprietary design and processes, this FPC antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

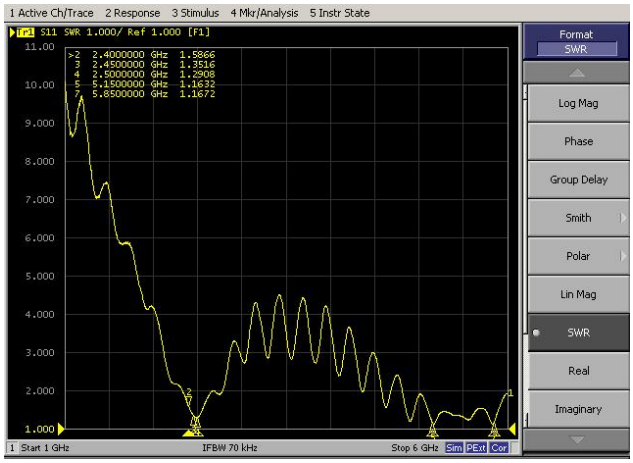
5. Electrical Specifications

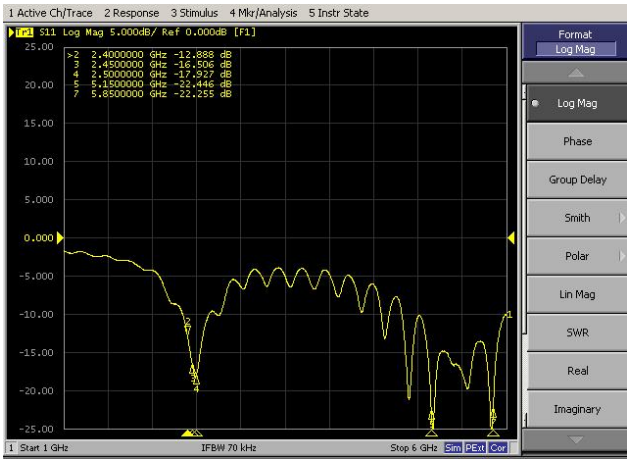
5-1

Characteristics	Specifications	Unit
Outline Dimensions	94.5x9.2x0.8	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR **S11**

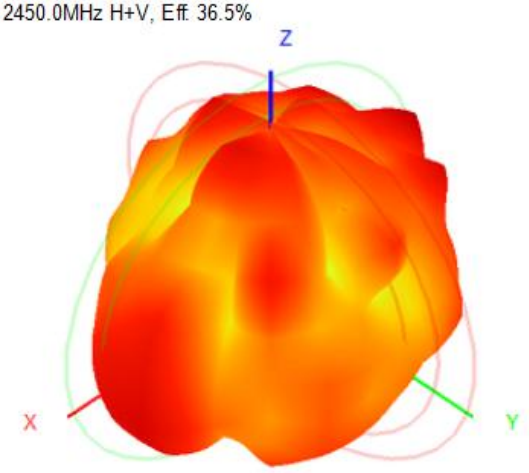




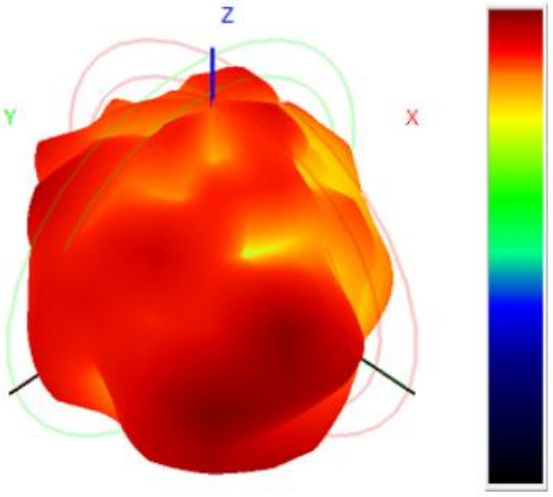
5-3.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5350.0	5500.0	5650.0	5850.0
Efficiency (dBi)	-4.56	-4.46	-4.38	-4.30	-4.33	-4.37	-4.25	-4.55	-4.55	-4.65	-4.83	-3.43	-3.50	-3.57	-3.73	-3.40
Gain (dBi)	1.03	1.23	1.46	1.69	1.61	1.72	1.96	1.87	1.73	1.77	1.90	2.33	2.48	2.35	2.66	2.66
Efficiency (%)	34.95	35.77	36.44	37.15	36.83	36.54	37.58	35.01	35.00	34.26	32.85	45.39	44.63	44.00	42.33	45.70

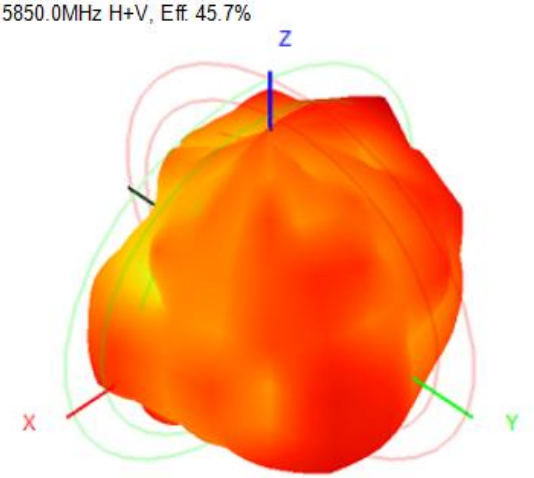
2450.0MHz H+V, Eff. 36.5%



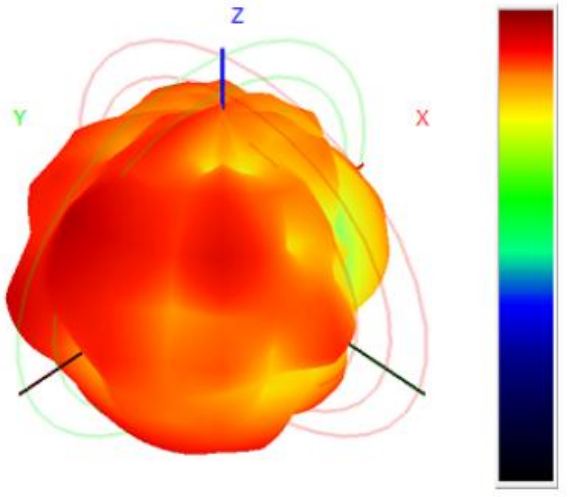
Back View



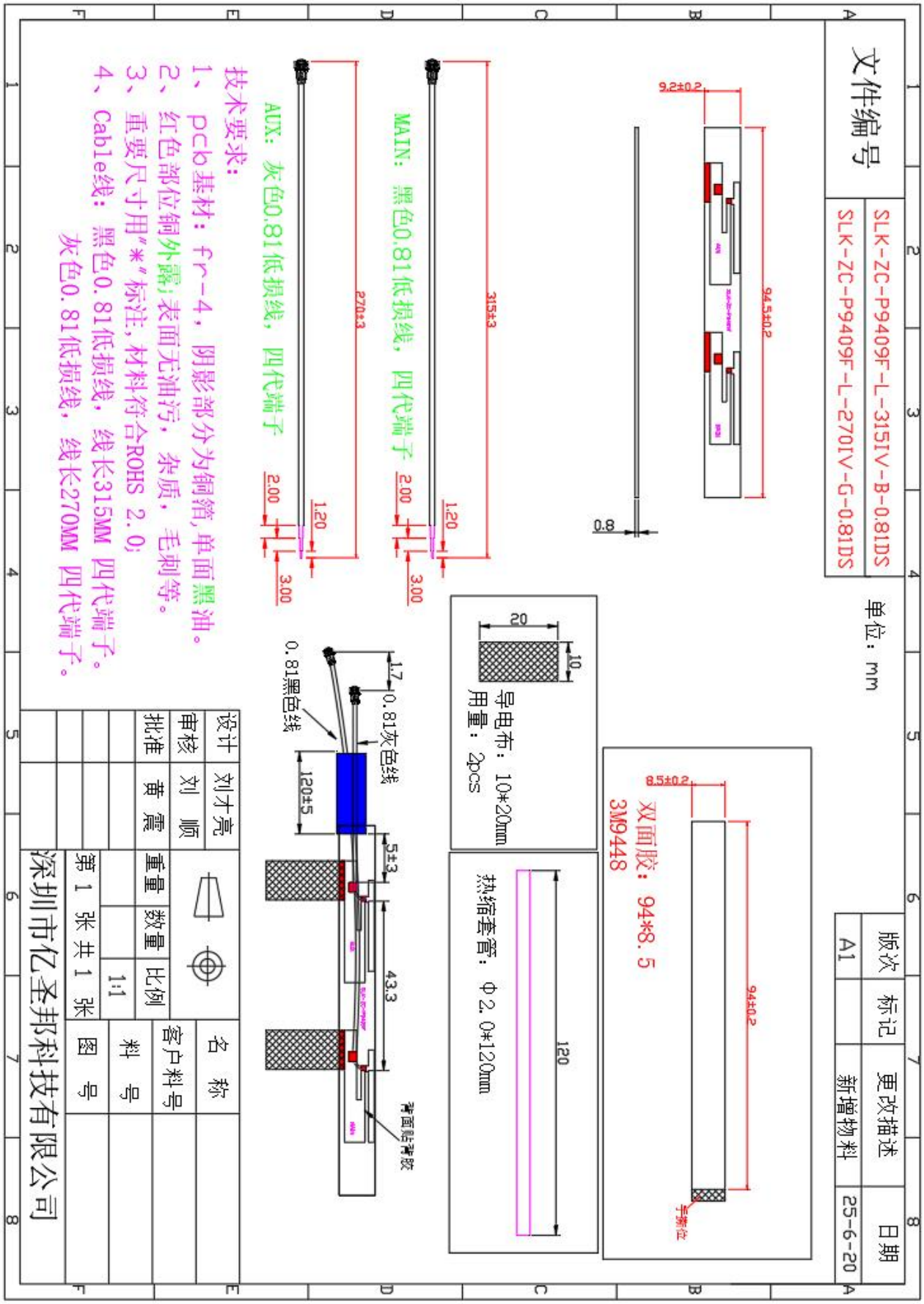
5850.0MHz H+V, Eff. 45.7%



Back View



6. Antenna Dimensions (unit: mm)



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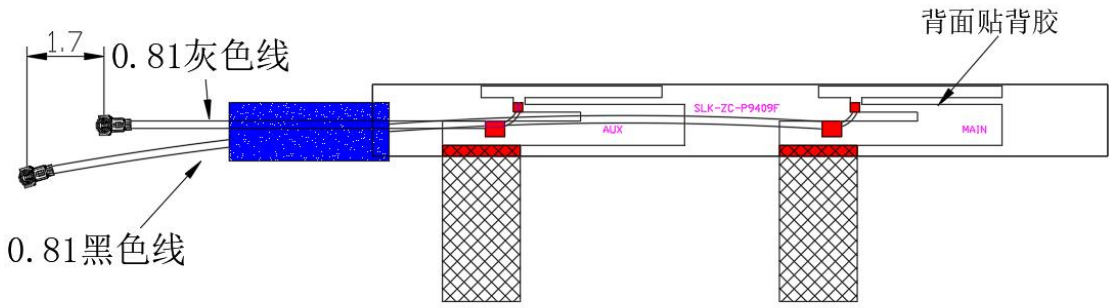
WIFI AUX

1. Explanation of Product number :



Product Code:

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(2) Antenna Name:WIFI Antenna

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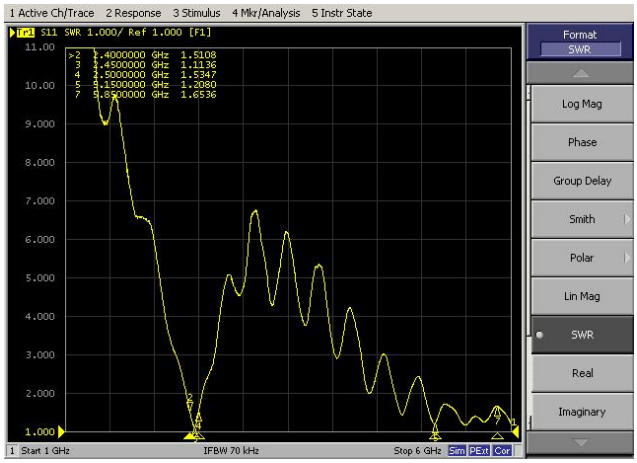
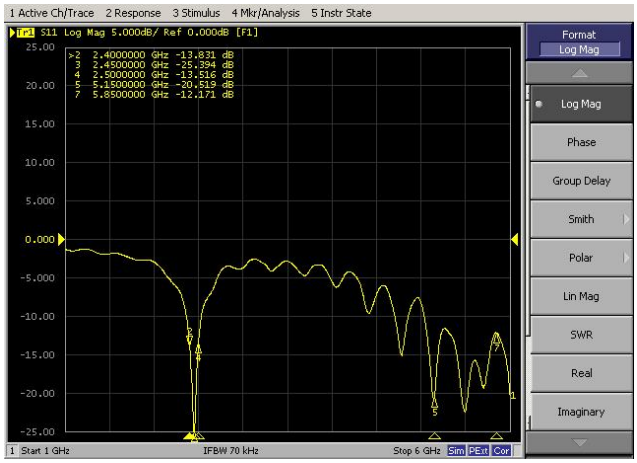
5-2.

VSWR **S11**





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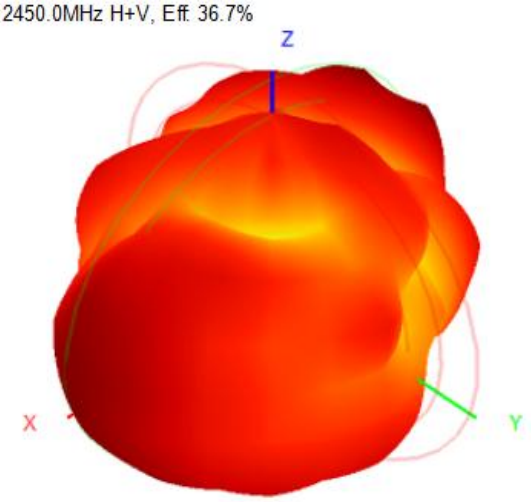
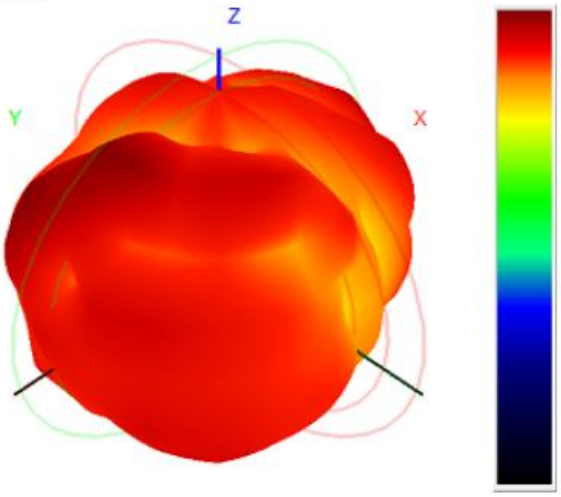
Gain (dBi)	1.48	1.67	1.73	1.70	1.38	1.32	1.58	1.49	1.30	1.24	1.37	2.37	2.68	2.46	2.26	2.32
Efficiency (%)	34.97	35.92	36.83	37.07	36.89	36.66	37.58	36.46	37.73	36.51	35.61	41.05	43.11	42.41	43.82	44.52

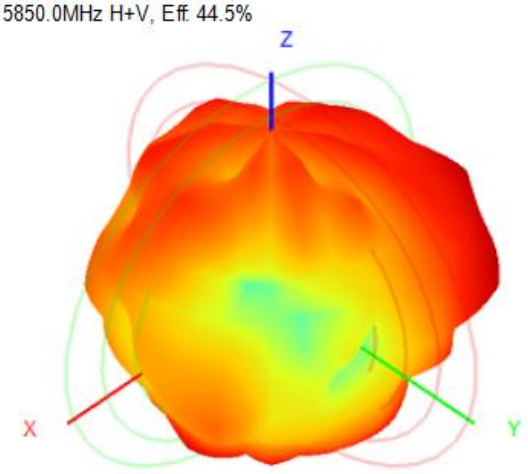
2450.0MHz H+V, Eff: 36.7%



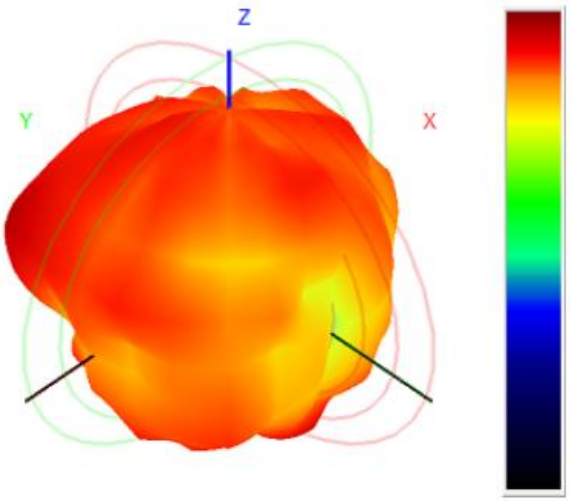
Back View



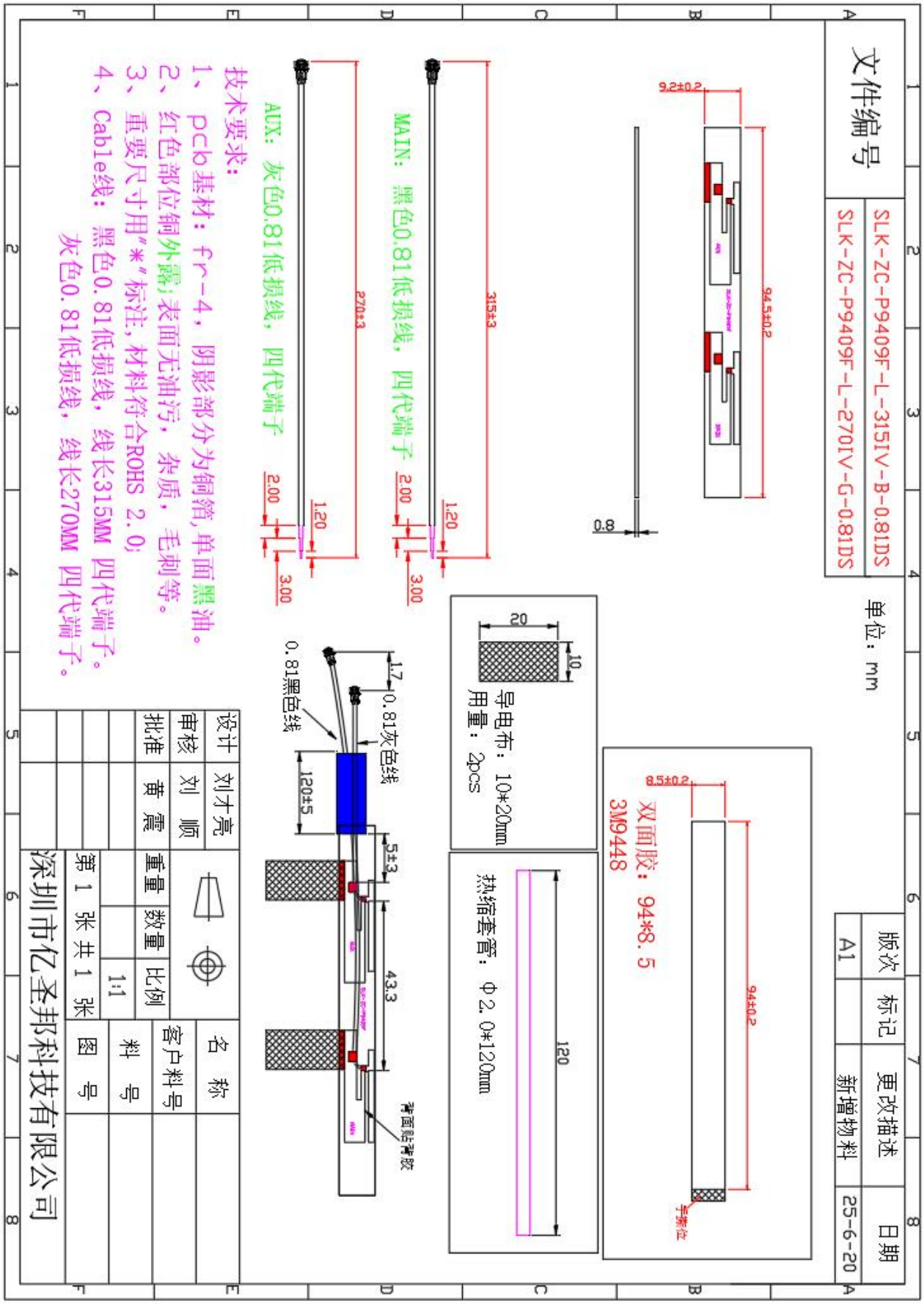
5850.0MHz H+V, Eff: 44.5%



Back View



6. Antenna Dimensions (unit: mm)



Shenzhen Yishengbang Technology Co., Ltd

7. Antenna Picture