

Shenzhen Yishengbang Technology Co. LTD

样品承认书

SPECIFICATION FOR APPROVAL

公 司 名 称 (客户填写) : SHENZHEN NST INDUSTRY AND TRADE

物 料 代 号 (客户填写) : NI10042

规 格 型 号 (客户填写) :

承 认 日 期 (客户填写) :

供 应 商 名 称 (SLK 填写) : Shenzhen Yishengbang Technology Co. LTD

供 应 商 规 格 型 号 (SLK 填写) : WIFIMAIN:SLK-NSD-3218A-M-420IV-G

WIFIAUX:SLK-NSD-2516C-R-210IV-B

承 认 签 章

供 应 商 承 认 (SLK 填写栏)

深圳市纳斯达工贸有限公司

工 程 师

审 核

批 准

工 程 师

审 核

批 准

陈仕联

黄震

林美财

盖章签署

盖章签署

日 期

2022-07-25

日 期

批示: ☐接受 ☐有条件接受

备注 (客户填写) :

供应商名称: 深圳市亿圣邦科技有限公司

供应商地址: 东莞市塘厦镇蛟乙塘银园街 13 号厂房 2 楼

电 话: 0769-82553115

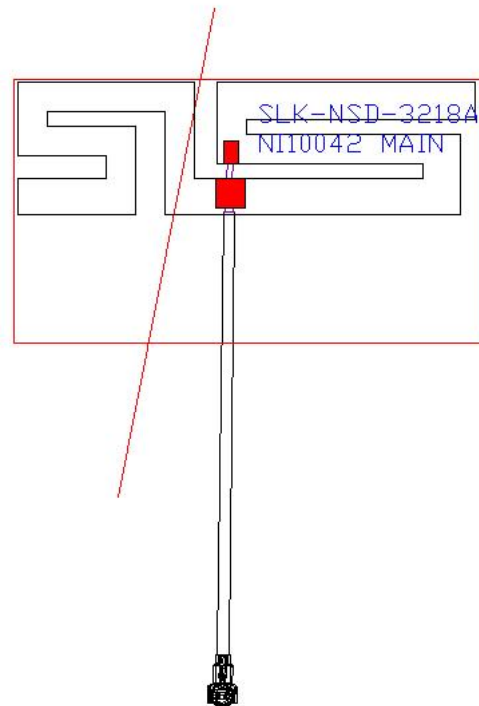
传 真: 0769-82553116

WIFIMAIN Antenna (3218A)

1. Explanation of Product number :

S L K - N S D - 3 2 1 8 A - M - 4 2 0 I V - G

1 2 3 4 5



Product Code:

(1) Customer:

NSD:

(2) Project:

3218A: SLK-NSD-3218A (WIFI MAIN antenna)

(3) Welding Position

M:Middle

(4) Cable Length:

420IV: 420*1.13MM

(5) Cable Color

G: Gray

2. Features

*Stable and reliable in performances

*Compact size

*RoHS compliance

3. Applications

- * IEEE802.11 (a/b/g/n)
- * Hand-held devices when WIFI (802.11a/b/g/n) functions are needed

4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11a/b/g/n) 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.

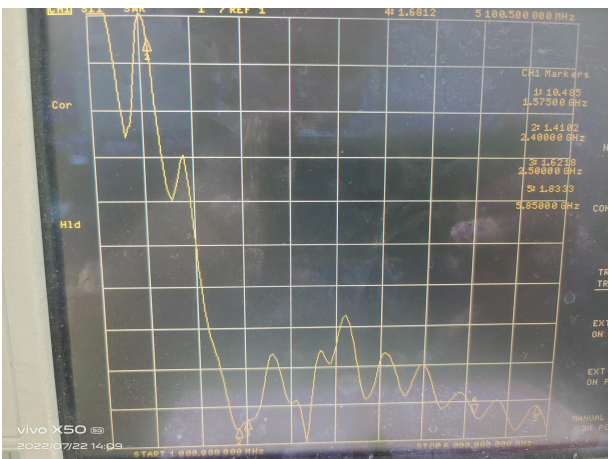
5. Electrical Specifications

5-1

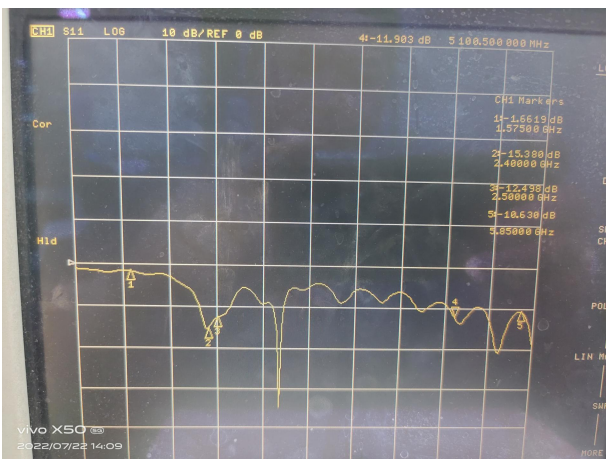
Characteristics	Specifications	Unit
Outline Dimensions	32.29x17.93x 0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR



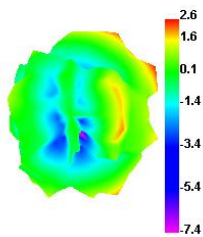
S11



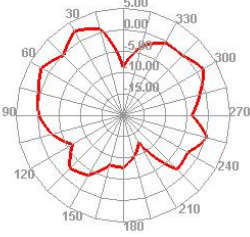
5-3.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	58.87	-2.3	2.65
2410	54.15	-2.66	1.84
2420	53.74	-2.7	2.76
2430	49.98	-3.01	2.39
2440	53.95	-2.68	2.71
2450	52.82	-2.77	2.63
2460	51.01	-2.92	2.38
2470	49.73	-3.03	2.3
2480	50.35	-2.98	2.25
2490	52.96	-2.76	2.53
2500	53.01	-2.76	2.65
5150	39.83	-4	1.5
5350	43.08	-3.66	1.58
5550	46.12	-3.36	2.5
5750	46.56	-3.32	1.84
5850	40.89	-3.88	1.69

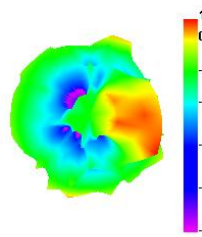
2450.000MHz



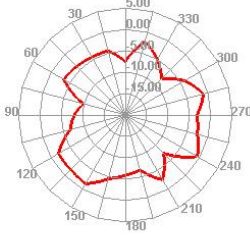
2450.000MHz H



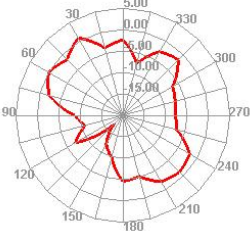
5850.000MHz



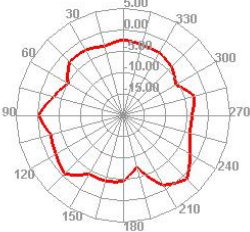
5850.000MHz H



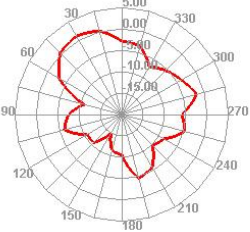
2450.000MHz E1



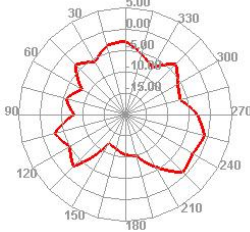
2450.000MHz E2



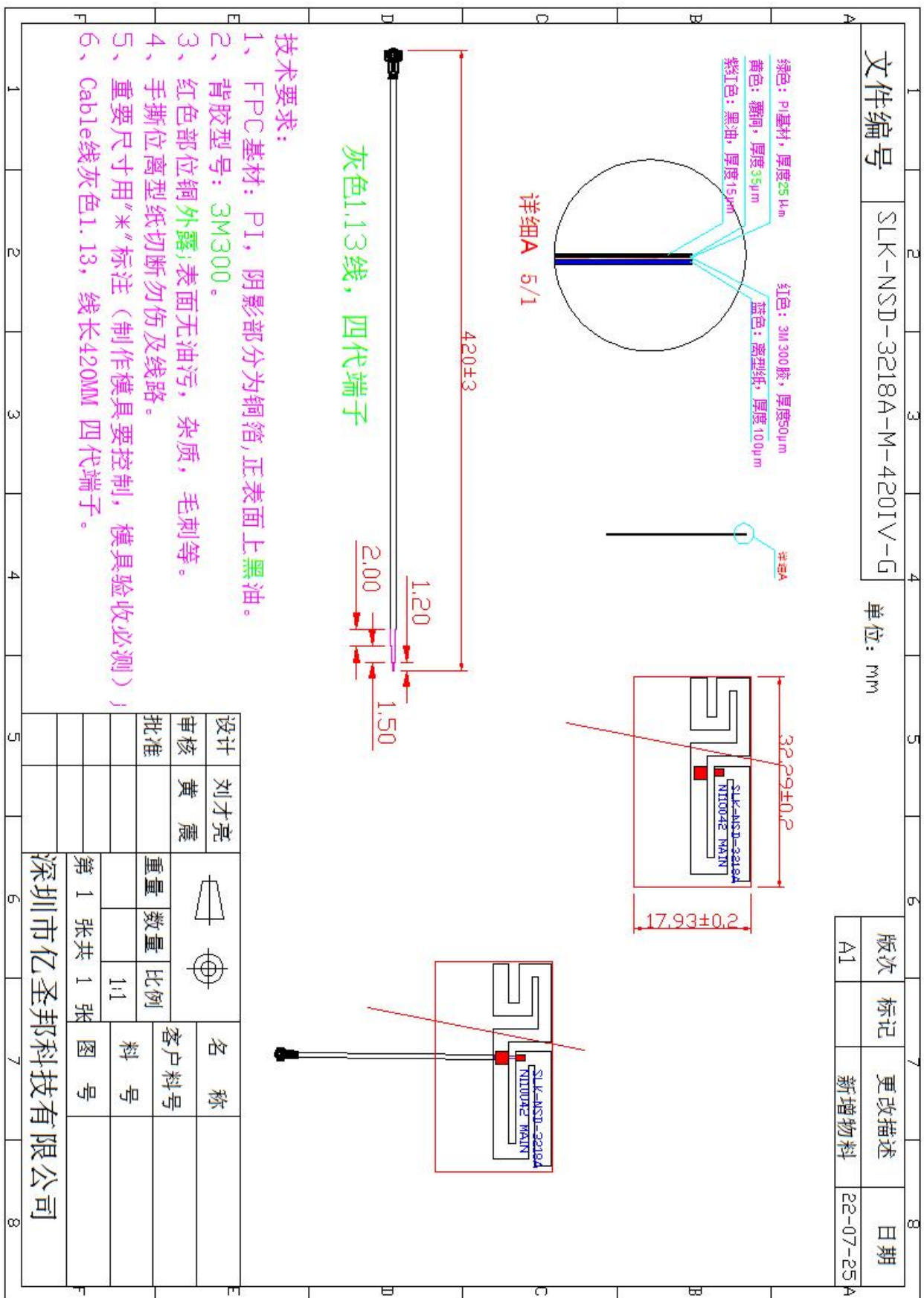
5850.000MHz E1



5850.000MHz E2



6. Antenna Dimensions (unit: mm)



WIFI AUX Antenna (2516C)

1. Explanation of Product number :

S L K - N S D - 2 5 1 6 C - R - 2 1 0 I V - B

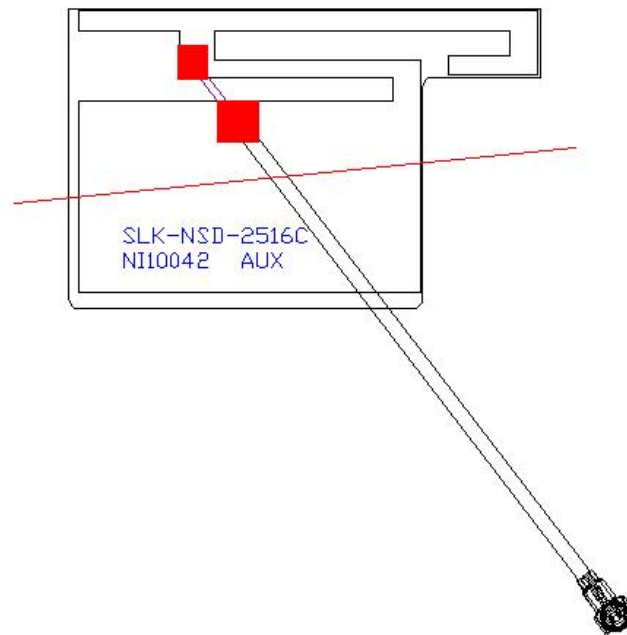
1

2

3

4

5



Product Code:

(1) Customer:

NSD:纳斯达克

(2) Project:

2516C: SLK-NSD-2516C (WIFI AUX antenna)

(3) Welding Position

R: Right

(4) Cable Length:

210IV: 210*1.13MM四代端子

(5) Cable Color

B: Black

2. Features

*Stable and reliable in performances

*Compact size

*RoHS compliance

3. Applications

- * IEEE802.11 (a/b/g/n)
- * Hand-held devices when WIFI (802.11a/b/g/n) functions are needed

4. Description

Holy bond's FPC antenna series are specially designed for WIFI (802.11a/b/g/n) 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.

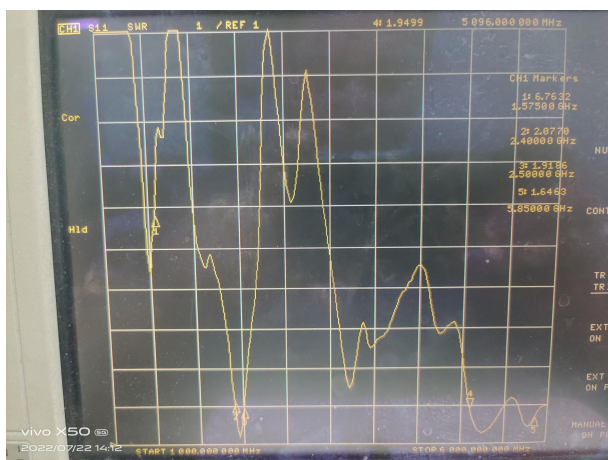
5. Electrical Specifications

5-1

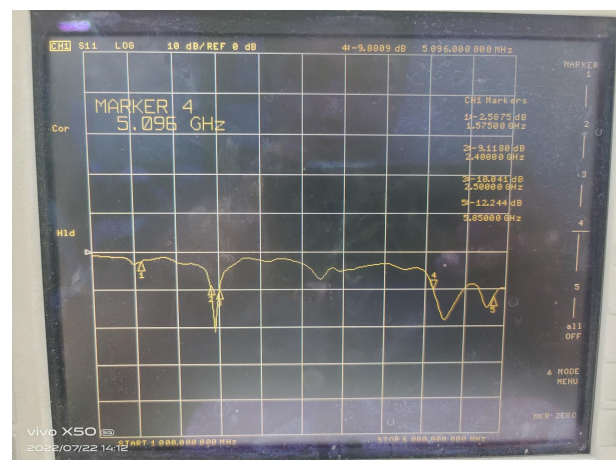
Characteristics	Specifications	Unit
Outline Dimensions	16.19x 25.43x 0.12	mm
Center Frequency	2.4-2.5+5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR

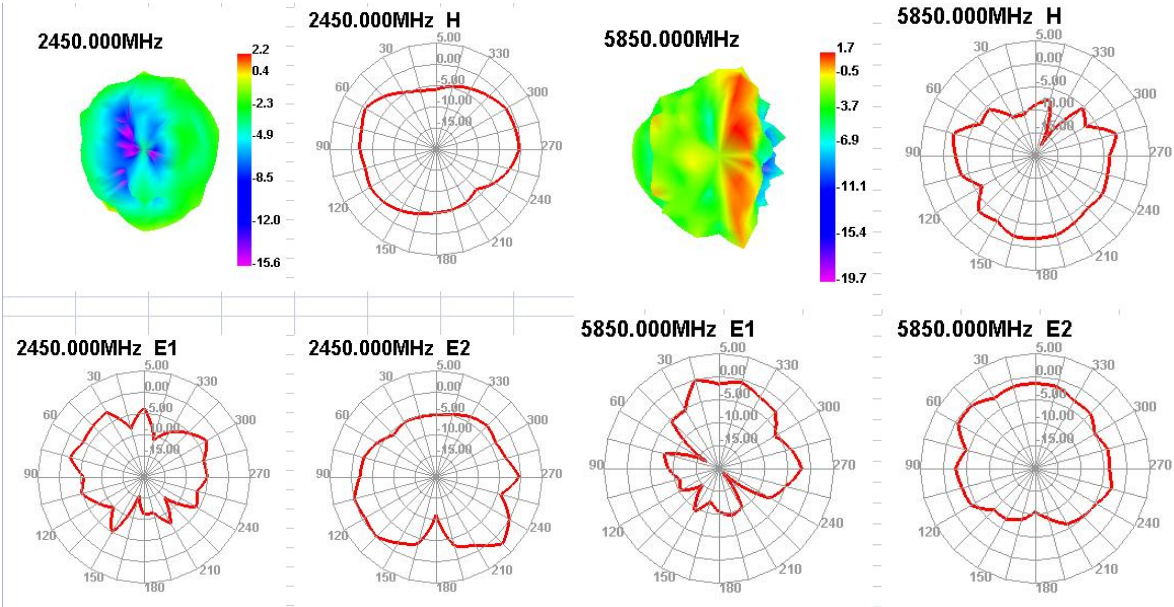


S11

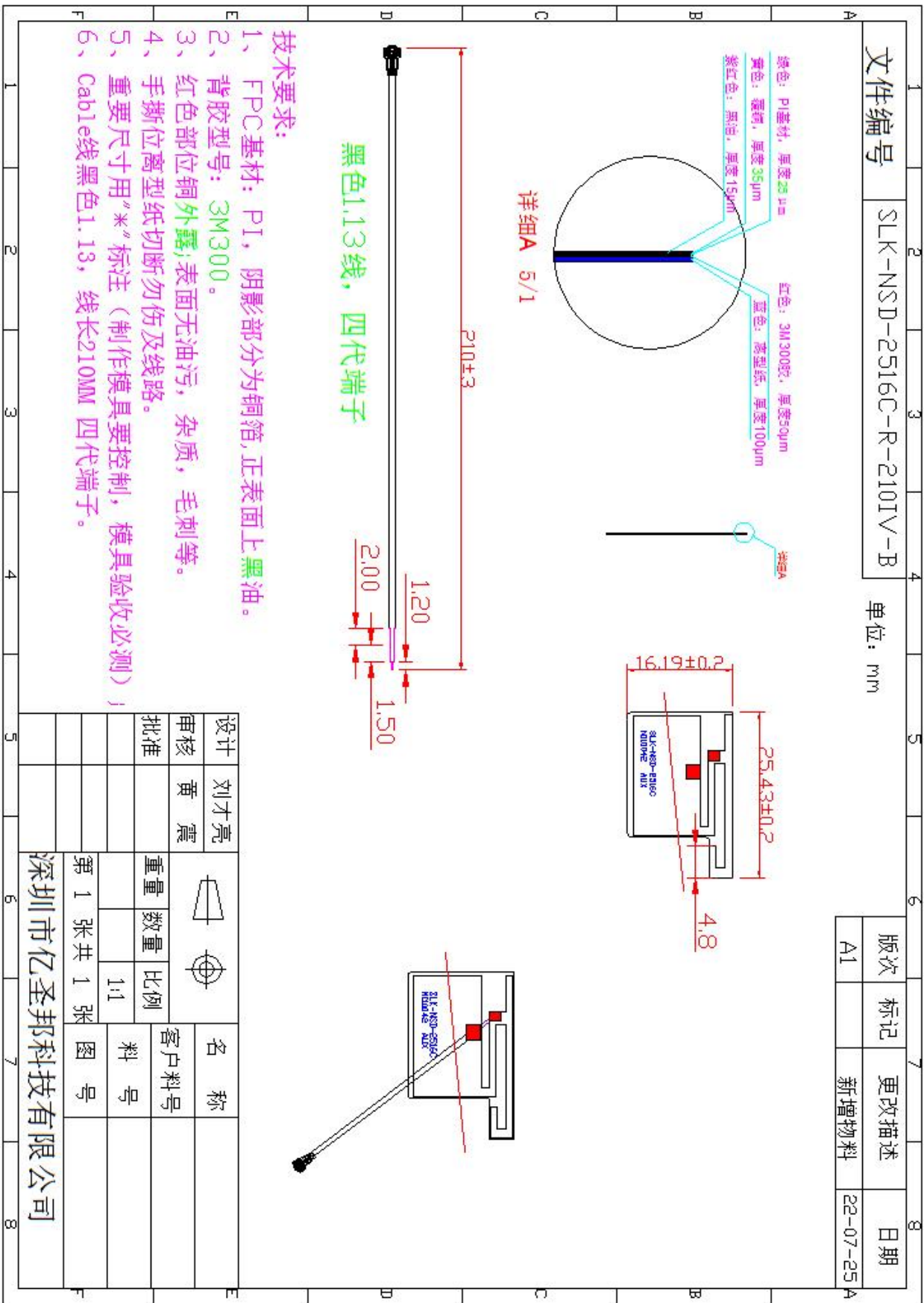


5-3.WIFI +BT Antenna Gain/Efficiency/Radiation Pattern of 3D

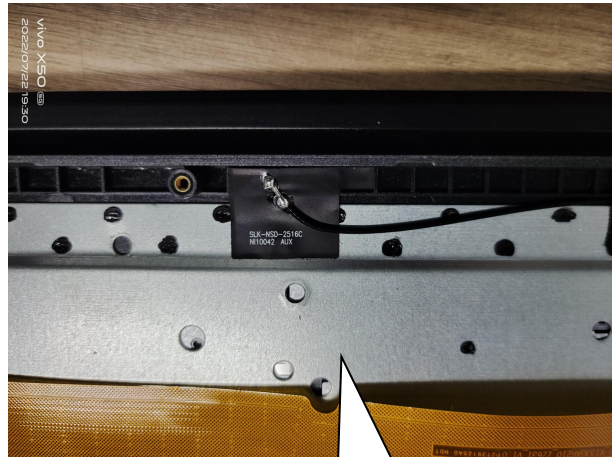
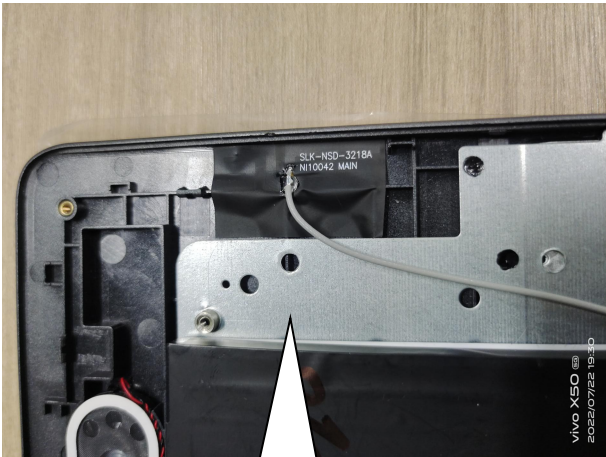
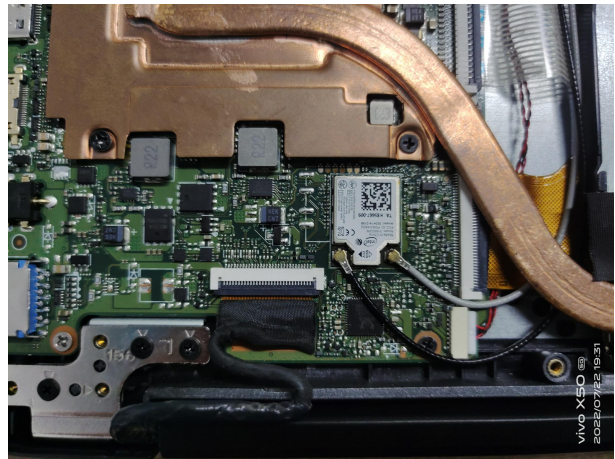
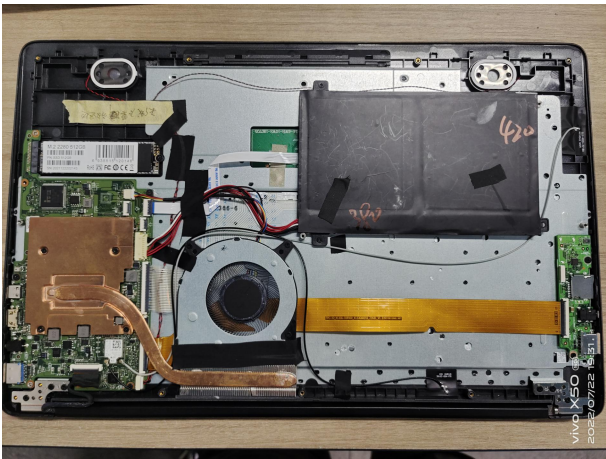
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	40.3	-3.95	1.59
2410	45.32	-3.44	2.76
2420	42.76	-3.69	1.69
2430	45.89	-3.38	2.06
2440	44.37	-3.53	1.9
2450	47.75	-3.21	2.16
2460	44.96	-3.47	1.92
2470	47.86	-3.2	1.95
2480	47.4	-3.24	1.68
2490	50.09	-3	1.71
2500	48.54	-3.14	1.61
5150	38.79	-4.11	0.94
5350	40.28	-3.95	2.25
5550	40.28	-3.95	2.35
5750	40.63	-3.91	2.5
5850	40.02	-3.98	1.69



6. Antenna Dimensions (unit: mm)



7. Antenna Picture



WIFI main antenna

WIFI diversity antenna

1.测试设备
网络分析仪 Network Analyzers
Agilent 8753D 5071B
综测仪 Communications Test Set
3D暗室测试系统 3D Chamber Test System