

深圳市亿圣邦科技有限公司

样品承认书

SPECIFICATION FOR APPROVAL

公 司 名 称 (客户填写) :
物 料 代 码 (客户填写) : _____
规 格 型 号 (客户填写) : _____
承 认 日 期 (客户填写) : _____

供 应 商 名 称 (SLK 填写) : 深圳市亿圣邦科技有限公司

供 应 商 名 称 (SLK 填写) : WIFI+GSP:SLK-RXM-2609A

4GAUX:SLK-RXM-2004-R-190111-B 4GMAIN:SLK-RXM-7409

WIFI+GP 小板:SLK-RXM-P40HD-R-70111-G 4G 小板:SLK-RXM-P40HD-LTEV1-120111-B

承 认 签 章

供 应 商 承 认 (SLK 填写栏)

工 程 师

审 核

批 准

工 程 师

审 核

批 准

罗涛

黄震

林美财

盖章签署

林美财

盖章签署

日 期

2023-6-29

日 期

批示: ☐接受 ☐有条件接受

备注 (客户填写) :

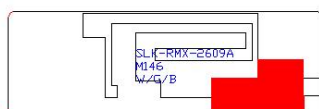
WIFI+GPS Antenna (2609A)

1. Explanation of Product number :

S L K - R X M - 2 6 0 9 A

1

2



Product Code:

(1) Customer:

RXM: 锐铭鑫

(2) Project:

2609A: SLK-RXM-2609A(WIFI+GPS antenna)

备注：配套SLK-TD-P40HD-R-70III-G小板

2. Features

- *Stable and reliable in performances
- *Compact size
- *RoHS compliance

3. Applications

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

4. Description

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

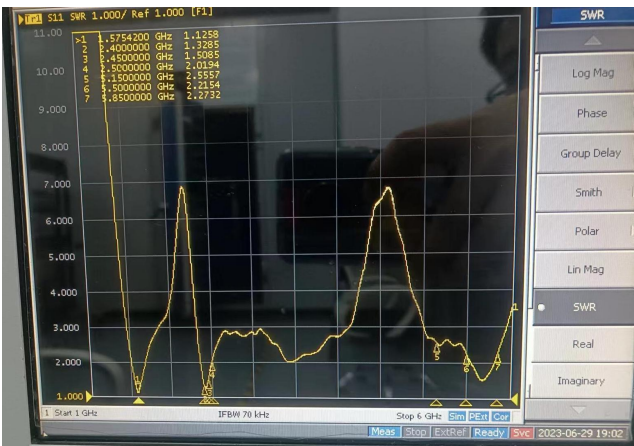
5. Electrical Specifications

5-1

Characteristics	Specifications	Unit
Outline Dimensions	26.3x 8.7x 0.12	mm
Center Frequency	1.575-2.4-2.5-5.15-5.85	GHz
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	3max	

5-2.

VSWR

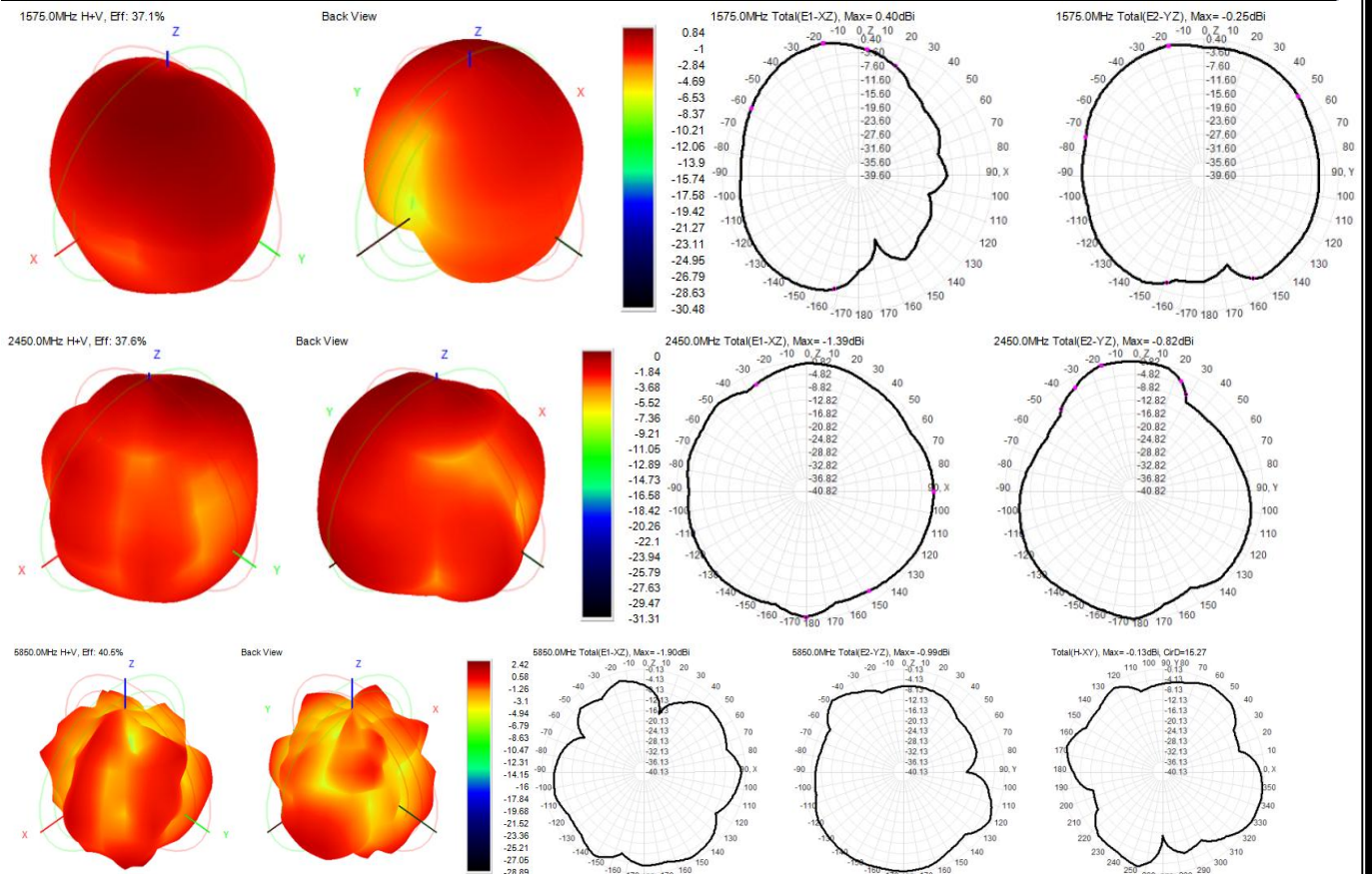


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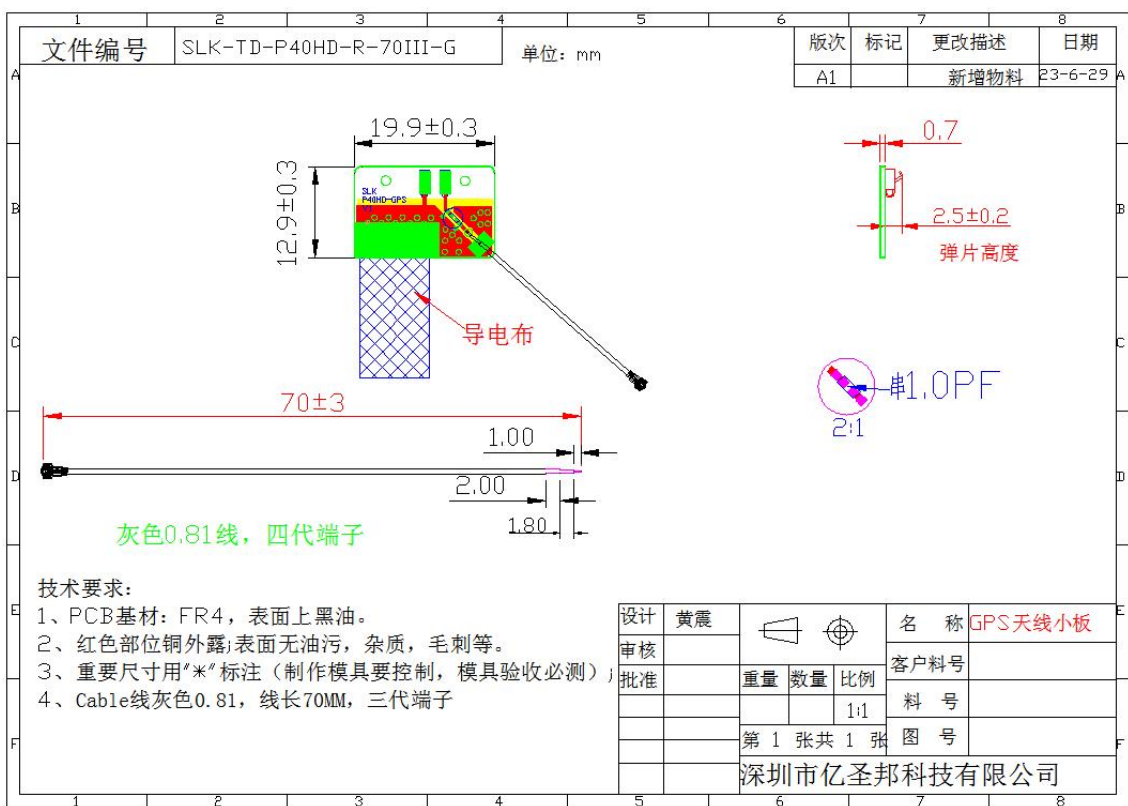
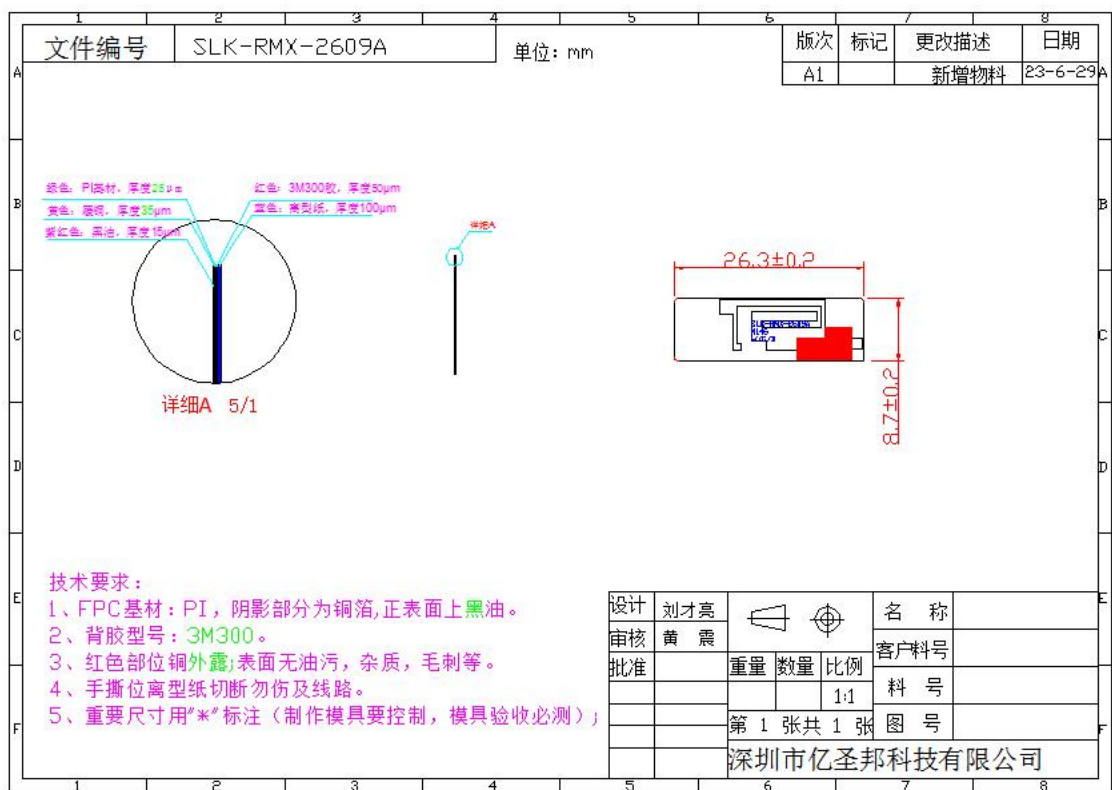


5-3.WIFI +GPS Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
1570	-6.37	-2.28	23.10%	2400	-5.8	-0.78	26.30%
1571	-6.31	-2.28	23.40%	2410	-5.39	-0.42	28.90%
1572	-6.24	-2.17	23.80%	2420	-5.39	-0.57	28.90%
1573	-6.15	-2.15	24.30%	2430	-5.04	-0.41	31.40%
1574	-6.05	-2.1	24.80%	2440	-5.16	-0.62	30.50%
1575	-5.92	-2	25.60%	2450	-5.16	-0.57	30.50%
1576	-5.89	-1.98	25.70%	2460	-5.33	-0.7	29.30%
1577	-5.86	-1.83	26.00%	2470	-5.32	-0.29	29.40%
1578	-5.81	-1.84	26.30%	2480	-5.22	-0.08	30.00%
1579	-5.76	-1.81	26.50%	2490	-5.26	-0.02	29.80%
1580	-5.72	-1.72	26.80%	2500	-5.59	-0.31	27.60%
				5150	-6.39	-0.36	23.00%
				5550	-8.33	-1.53	14.70%
				5750	-7.41	-0.82	18.20%
				5850	-5.94	0.19	25.50%



6. Antenna Dimensions (unit: mm)

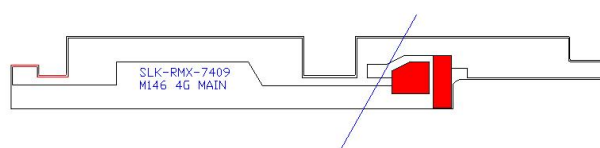


4G MAIN Antenna (7 4 0 9)

1. Explanation of Product number :

S L K - A P D - 7 4 0 9

1 2



Product Code:

(1) Customer:

RXM: 锐铭鑫

(2) Project:

7409: SLK-RXM-7409 (4G MAIN antenna)

备注: 配套SLK-TD-P40HD-LTEV1-120III-B小板

2. Features

- *Stable and reliable in performances
- *Compact size
- *RoHS compliance

3. Description

Holy bond's FPC antenna series are specially designed for 4G 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.

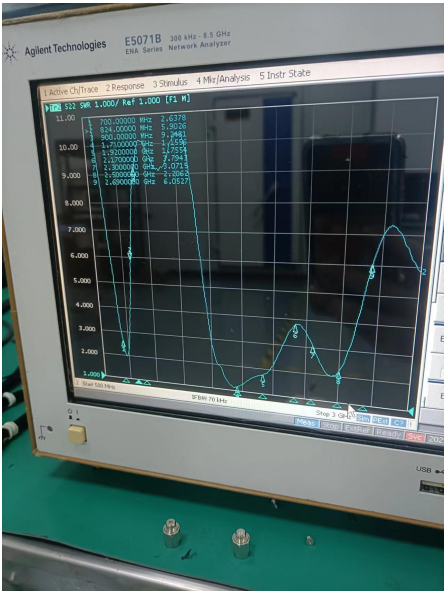
4. Electrical Specifications

4-1

Characteristics	Specifications	Unit
Outline Dimensions	74.15x9 x 0.12	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	5max	

4-2

VSWR



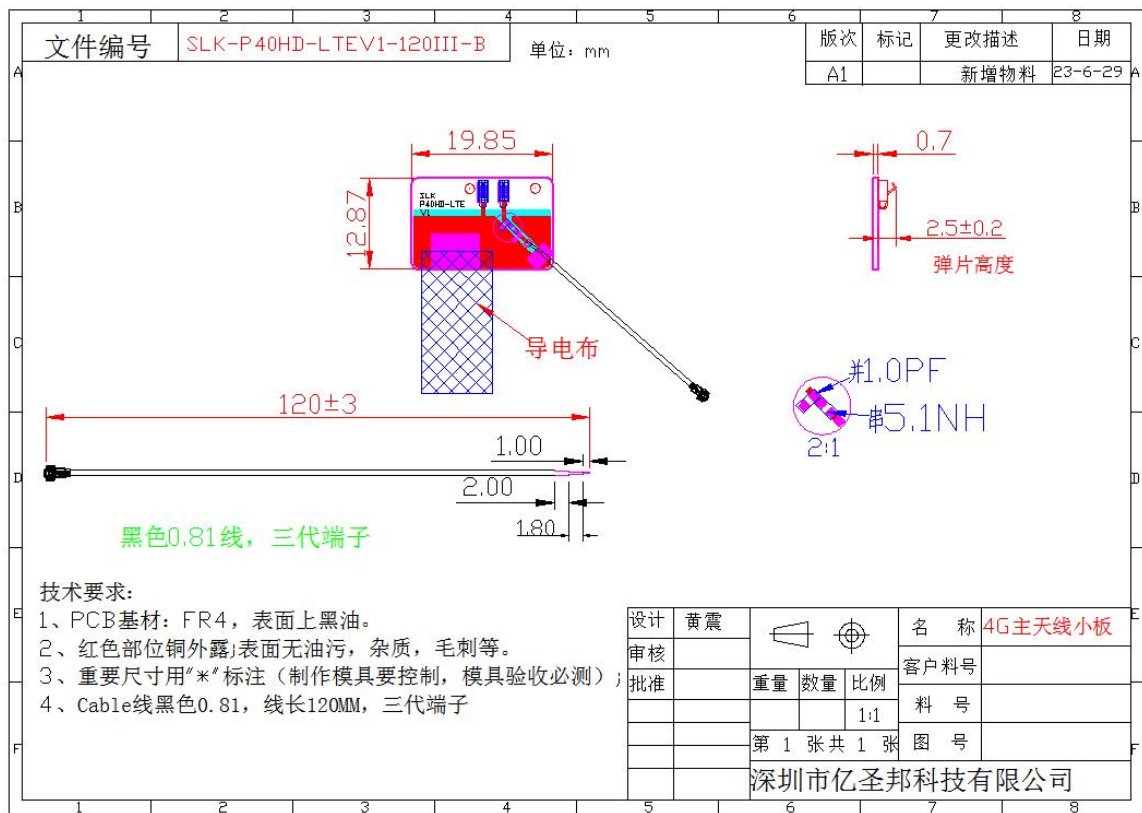
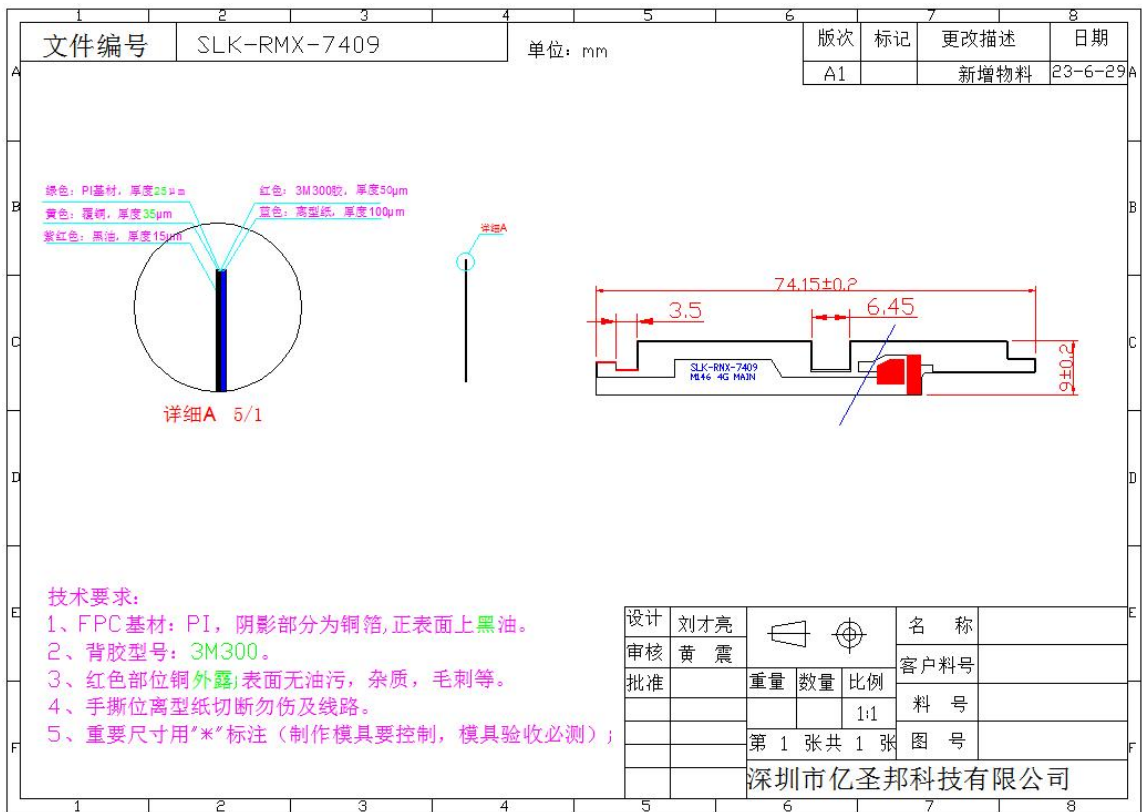
S11



4.3 2G/3G Antenna TRP/TIS

2G 频段	LTE-L	LTE-M	LTE-R	TIS
GSM850	24.18	24.3	24.7	-100.74
GSM900	24.97	24.5	24.4	-100.34
GSM1800	23.46	23.9	24.67	-101.14
GSM1900	24.6	25.07	25.91	-101.77
3G 频段	LTE-L	LTE-M	LTE-R	TIS
WCDMA-B1	17.31	17.52	17.64	-103.26
WCDMA-B2	17.33	17.28	17.19	-103.35
WCDMA-B5	16.48	16.69	16.82	-103.02
4G 频段	LTE-L	LTE-M	LTE-R	TIS
LTE-2	16.35	15.93	16.12	-90.18
LTE-4	16.38	16.82	18.01	-90.05
LTE-5	15.3	14.93	14.32	-90.21
LTE-12	14.69	15.25	15.54	-89.47

5. Antenna Dimensions (unit: mm)



4G AUX Antenna (2004)

1. Explanation of Product number:

S L K - R X M - 2 0 0 4 - R - 1 9 0 I I I - B

1 2 3 4



Product Code:

(1) Customer:

RXM: 锐铭鑫

(2) Project:

2004: SLK-RXM-2004 (4G AUX antenna)

(3) Welding Position

R: Right

(4) Cable Length:

2004: 190*0.81MM三代端子

(5) Cable Color

B: Black

2. Features

- *Stable and reliable in performances
- *Compact size
- *RoHS compliance

3. Description

Holy bond's FPC antenna series are specially designed for 4G 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.

4. Electrical Specifications

4-1

Characteristics	Specifications	Unit
Outline Dimensions	20.02x4	mm
Bandwidth(under-10dB return loss)	130min	MHz
VSWR	5max	
Impedance	50	Ω
Polarization	Linear Polarization	

4-2

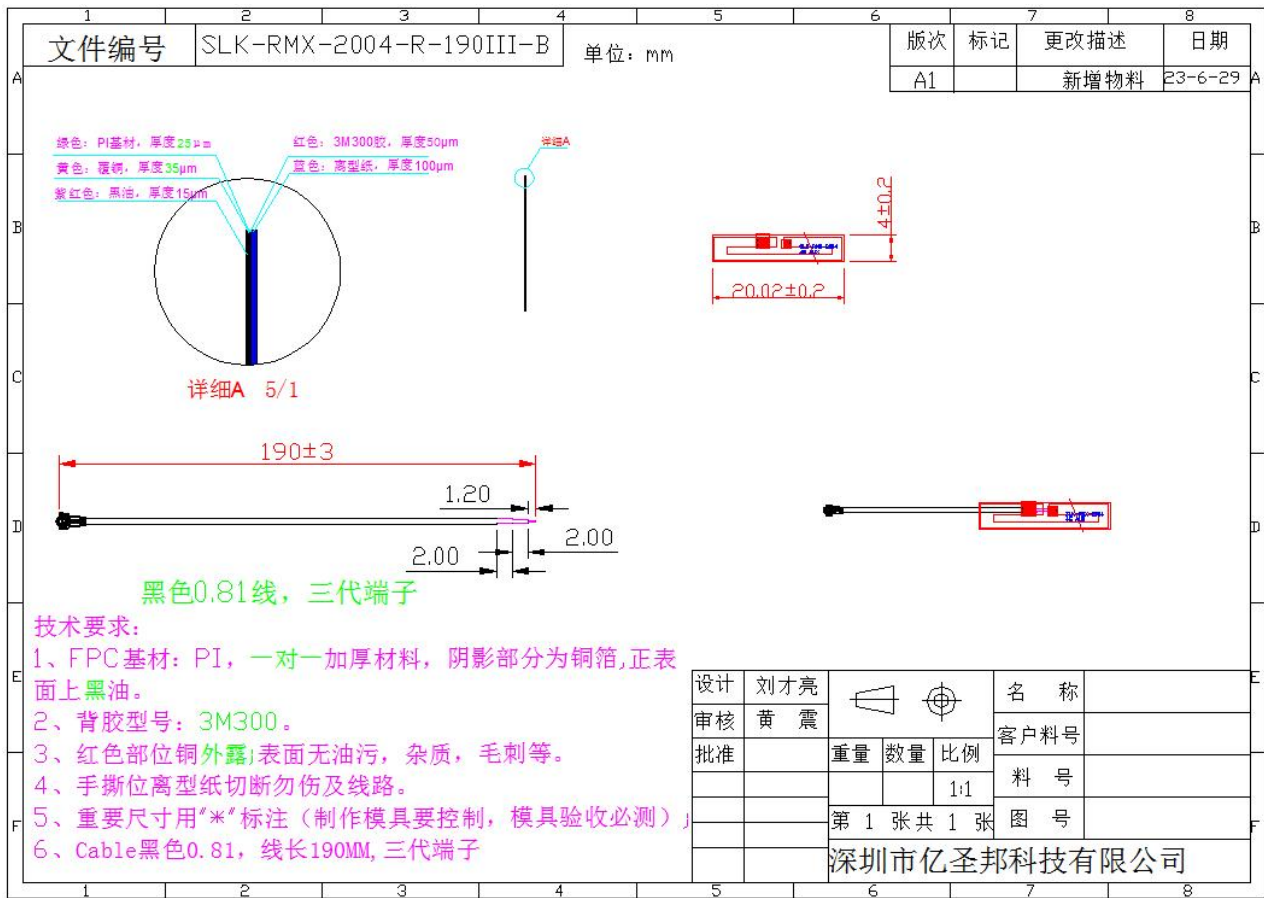
VSWR



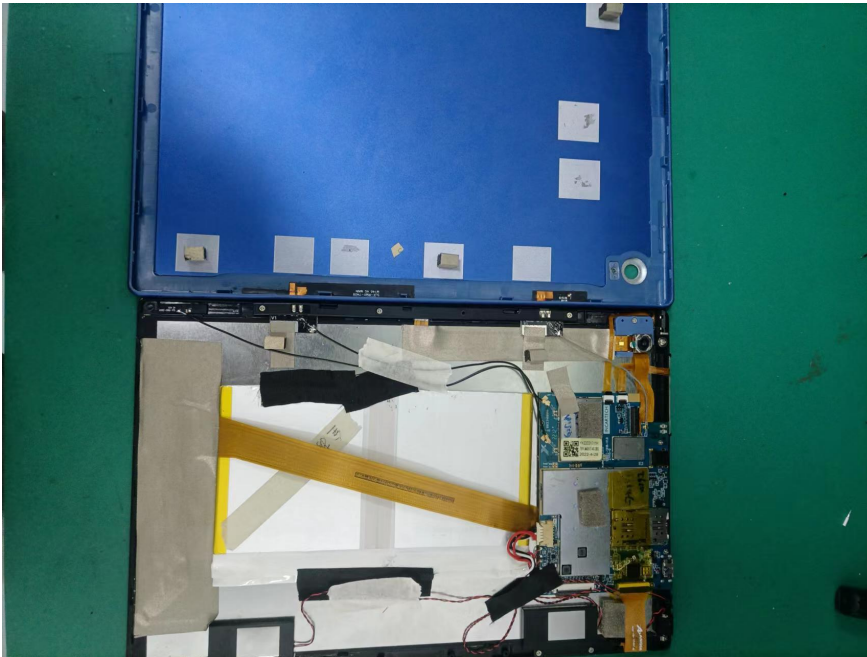
S11



5. Antenna Dimensions (unit: mm)



6. Antenna Picture

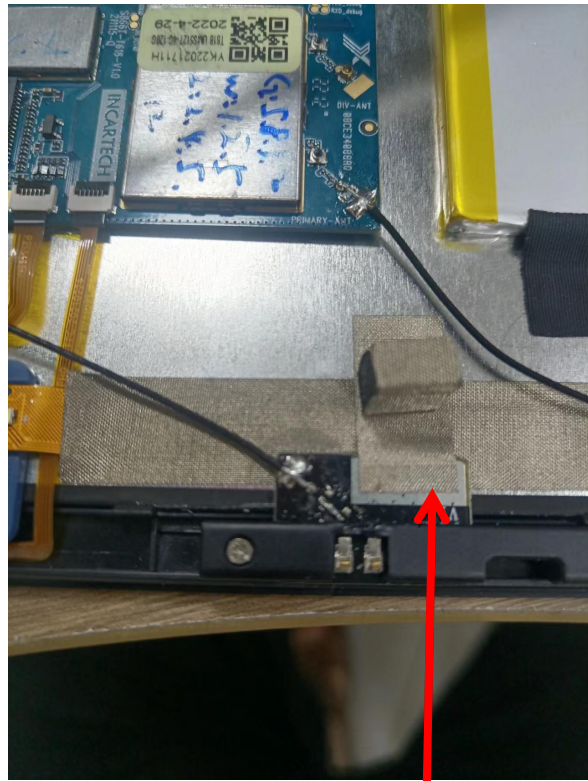


如图所示：

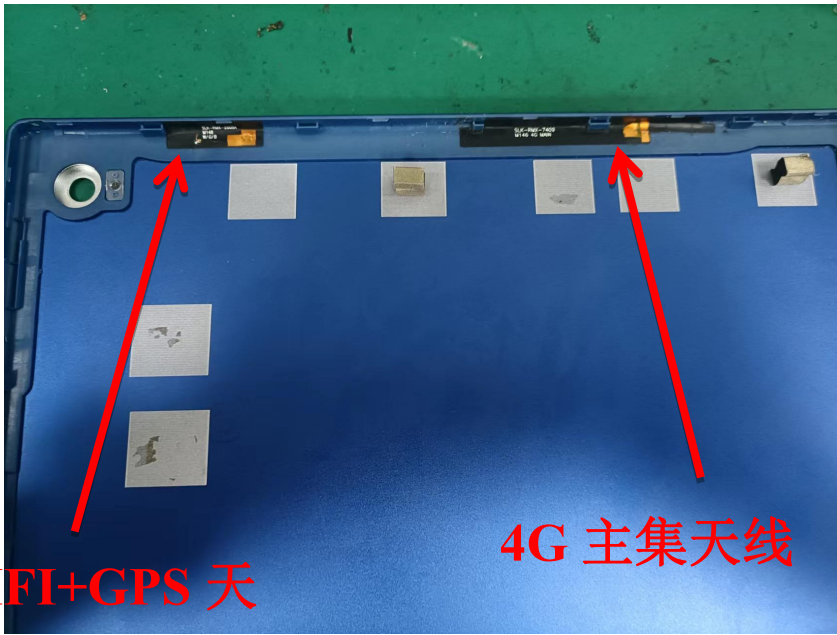
- 1 把屏排线和摄像头排线拉一块导电布包起来屏蔽干扰处理
- 2.在主板屏蔽贴导电泡棉与金属后盖接地
- 3.主板底部环境处理，漏铜区贴导电海绵与屏接地处理，屏排线贴导电布与屏接地处理



4G 主天线小板贴导电布和导电泡棉与屏和金属后盖接地

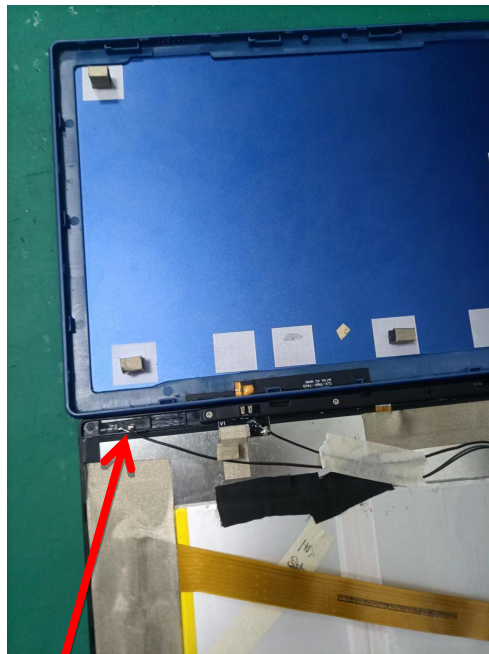


GPS 和 WIFI 小板贴导电布和导电泡棉与屏和金属后盖接地



WIFI+GPS 天线

4G 主集天线



4G 分集天线

