

样品承认书

SPECIFICATION FOR APPROVAL

● 物料名称

Name of material: P601 天线 (P601 antenna)

● 供应商

Vendor Name: 深圳星联讯通科技有限公司

Shenzhen Starlink COMM. Technology Co., Ltd.

Room 403, Building A, Zhiyun Industrial Park, No. 13,
Huaxing Road, Tongsheng Community, Dalang Subdistrict,
Longhua District, Shenzhen City

● 物料描述

Material description: FPC 焊接Cable (FPC weld

Cable) ● 物料料号

Material number: 1.VR.3713.000065

● 物料丝印

Material screen printing: YX-P601-BT-V1.0

供方确认 Supplier confirmation:		客户确认 customer confirmation:	
<u>测试 test:</u>	<u>研发 RF:</u>	<u>测试 test:</u>	<u>研发 RF:</u>
		<u>采购 purchase:</u>	
<u>品质 quality:</u>	<u>审核 check:</u>	<u>品质 quality:</u>	<u>审核 check:</u>

Directory

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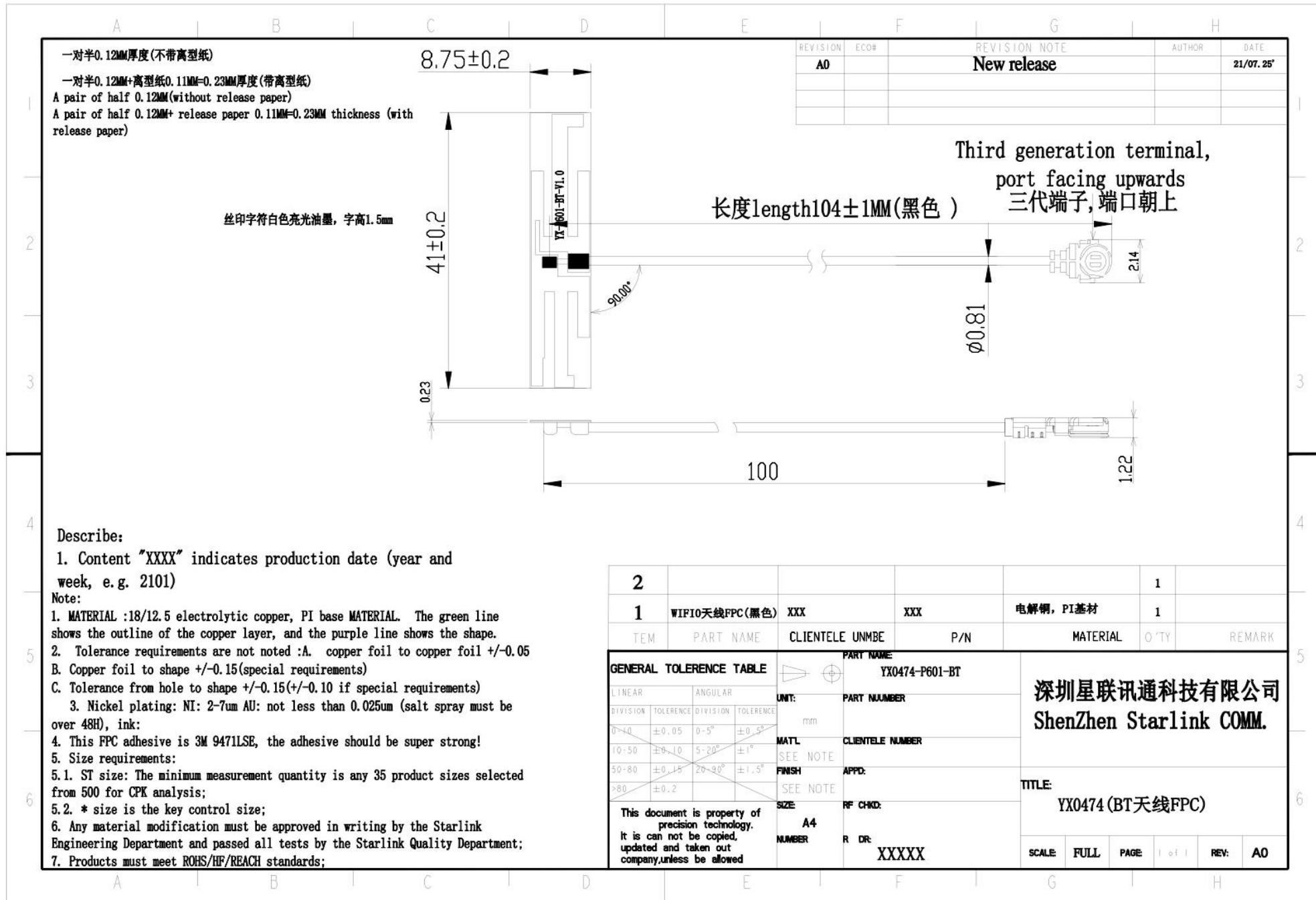
REVISION HISTORY

NO.	Date	Version		Update		Comment		Written	
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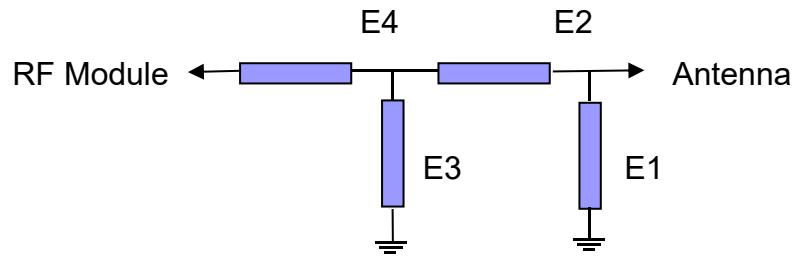
MADE:

CHECK:

3. ICD图纸

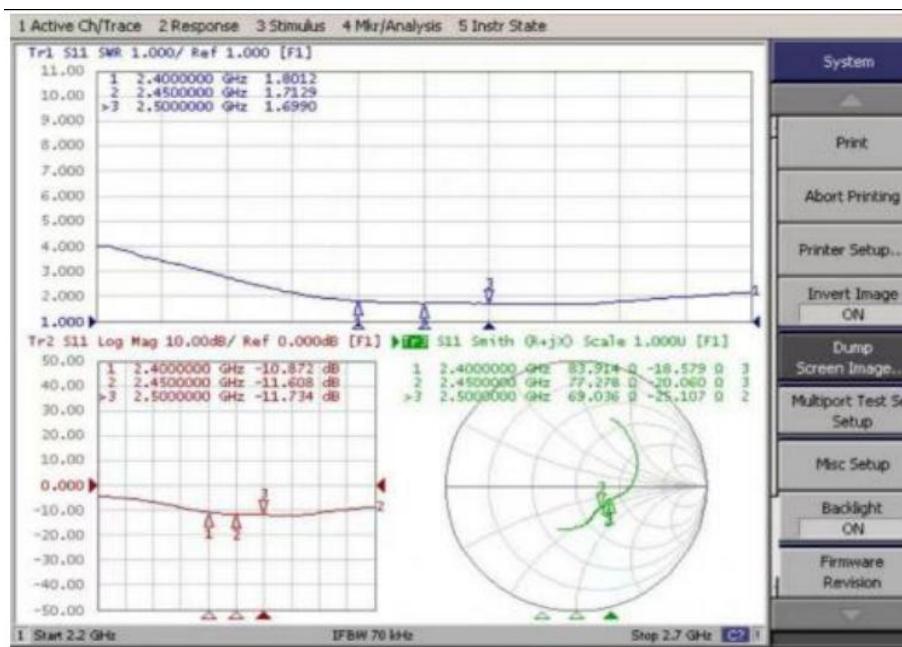


Antenna Matching Modification



Element	Value
E1	N/C
Main antenna E2	0 Ω
E3	N/C
E4	

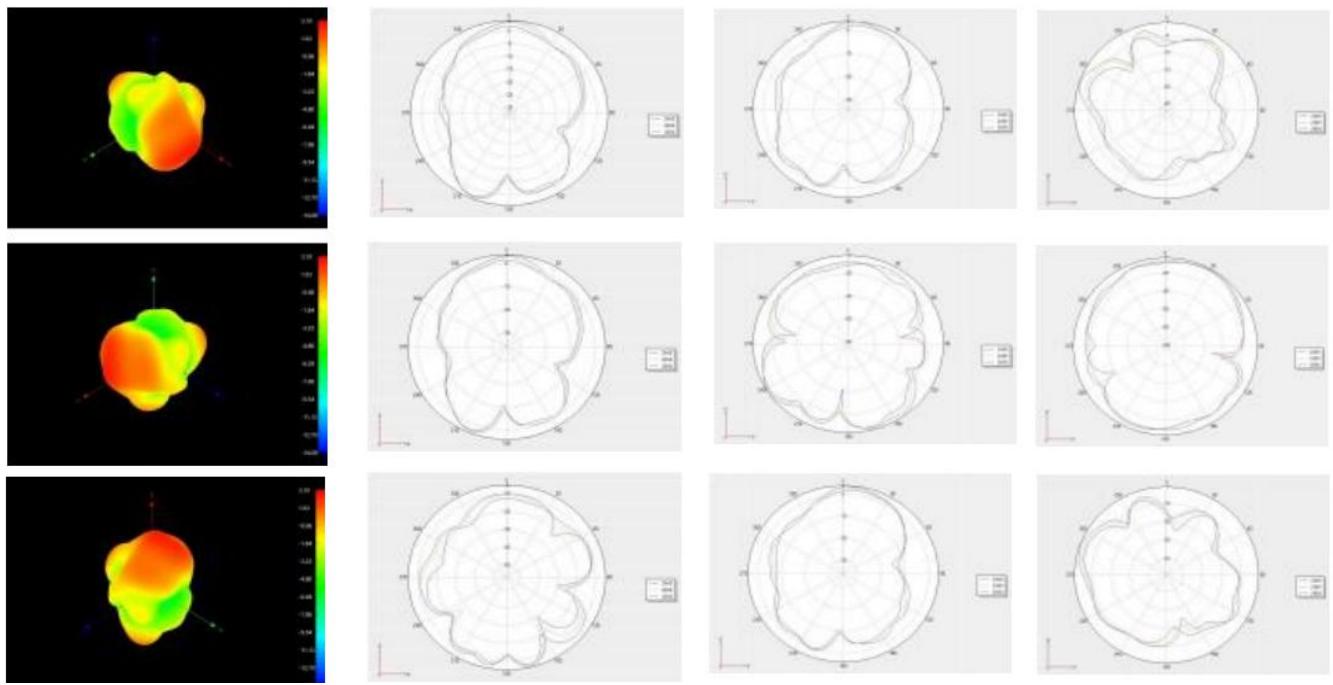
BT-s11



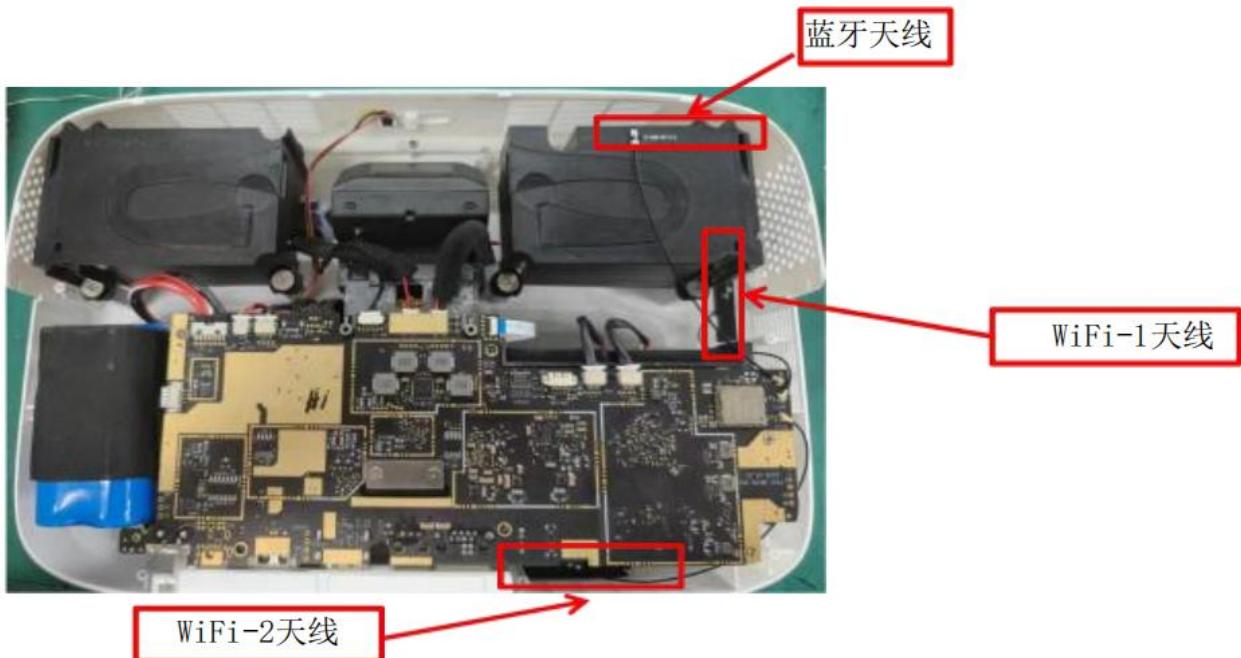
BT-Efficiency

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2400	-2.16	60.77	3.1
2410	-2.16	60.82	3.33
2420	-2.08	61.88	3.07
2430	-2.13	61.2	3.33
2440	-2.03	62.72	3.09
2450	-2.16	60.85	3.25
2460	-2.19	60.46	3.25
2470	-2.19	60.36	3.56
2480	-2.29	59.02	3.95
2490	-2.21	60.12	4.1
2500	-2.14	61.16	4.07

BT ANTA direct pattern



Antenna assembly drawing



1. purpose : Strict inspection, control the use of defective products, ensure product quality requirements. .

2. range of application: FPC Ante.

3. work content

item	content	tool	inspection standard	defect describe	FAULT GRADE
pack age	IDENTIFICATION	by sight	The outer package has clear label, indicating the product name, specification, quantity, date, etc.	The mark is not clear and cannot be read.	MIN
	MATERIAL	by sight	Uniform packaging, clean and tidy, no damage, no impact on handling, storage, no wrong loading, mixed loading, less loading.	Packaging is not uniform, dirty, wet, damage, affect handling, storage.	MIN
face	FACIAL	by sight	No breakage, copper exposure, cracking, color difference, glue benefit on FPC, no oxidation, brittle crack on golden finger.	FPC has damage, copper exposure, cracking, color difference, glue, gold finger oxidation, brittle crack.	MAJ
structure	size	Vernier	Circuit board size (length, width and height) is the same as	The dimensions are different from the pattern.	MAJ
	material proof	sample	Same as the sample.	The material is different from the template	MAJ
function	electroplating	model	Gold finger gilded bright, 100% coverage.	Plating is not bright, plating coverage is low.	MAJ
	FIT	Frame	Attach the FPC to the housing, and the preset paste position is consistent, no more or less.	Attach the FPC to the housing, and the preset position of the paste is not consistent, there is more or less.	MAJ

MADE BY:

Audit:

Approver:

RoHS Restricted Substance Composition sheet

Product information provided												
customer name		Metarial NO#		Project name		manufacturer			green mark			
		YX-P601-BT-V1.0		P601		Shenzhen Starlink COMM.			/			
Product composition information												
item	part name	part NO#	VOLUME UP	Third party test report		Limit substance content PPM					remark	
				DATE	number	(Pb)	(Cd)	(Hg)	(Cr ⁶⁺)	(PBB)	(PBDE)	
1	3M adhesive	/	honjingxinban	2021/1/13	SHAEC2100467601	○	○	○	○	○	○	
2	COPPER CLAD LAMINATE	/	caigelundi	2021/3/3	SHAEC2103249001	○	○	○	○	○	○	
3	ink	/	kaiyao	2021/8/17	ERT2102095	○	○	○	○	○	○	
4	electroplating	/	jiahongtai	2021-5-13	A2210168276101001E	○	○	○	○	○	○	

填写人：

填写人公司/部门：品质部

Salt spray test report

date: 20250527

product name	P601		customer name	
supplier	Shenzhen Starlink COMM.		National test standard	GB/T 2423.2-2008
Sample situation	<p>QTY: 5PCS</p> <p>MATERIAL: One - sided half - half colloidal electrolytic copper</p>			plating thickness: ≥3U"
TEST DATE	FROM 20220525 9:00 TO 20220527 9: 00 TOTAL 48 H			
TEST TYPE:	<input checked="" type="checkbox"/> NSS <input type="checkbox"/> ASS <input type="checkbox"/> CASS			
test condition	saline solution: 5%			PH: 7.0
	the temperature inside the box: 35°C			relative humidity: 85%
	Spray way: <input checked="" type="checkbox"/> continue <input type="checkbox"/> gap			compressed air pressure: 1kg/cm ²
	Salt spray sedimentation rate: 1-2ml/80cm ² /h			Fog fluid collection:
	test cycle: A loop			Spray time: 48 h
test result	Appearance after test: The appearance is intact without significant change.			
	Coating: no peeling, no corrosion			
	Surface spraying, screen printing: no shedding, no bubbles			

NOTE:

1, salt spray test operating standards in accordance with the People's Republic of China national standard GB/T2423.17-2008

2. The test results shall be determined according to the national standard GB/T6461-02 of the People's Republic of China

test date: check:

High and low temperature test records

product name	P601	customer name		
test QTY	6 pcs	TEST DATE	2025/5/21	
cycle-index	1	test time	48H	
test condition				
high temperature: + <u>65</u> °C humidity: <u>90</u> % RH				
low temperature: - <u>1</u> °C				
test: high-temp: <u>48</u> H low-temp: <u>1</u> H				
test project	Uncycled test		cycled test	
item	After the high temperature	After low temperature	After the high temperature	After low temperature
1	OK	/		
2	OK	/		
3	OK	/		
4	OK	/		
5	OK	/		
6	OK	/		
Post test defect:				
reason analysis:				
improvement measure:				
test result: <input checked="" type="checkbox"/> pass <input type="checkbox"/> fail				

AUDIT:

record: