

Tianfeng IntelligentIoT Technology (Shenzhen) Co., Ltd

acknowledgement

Customer name: Toumei

Customer model: X5 projector

Customer No.:

Specification description: Internal Antenna/2.4G-WiFi/3dBi/50ohm/FPC
43.40*12.00mm/RF1. 13mm

Gray coaxial L=270mm+IpeX1

Confirmation of signature and seal

Day frequency intelligent confirmation of customer confirmation

Sample preparation audit approval verification audit approval

Signature and seal of the customer

Date 2022-11-23 Date 2022- -

Address: Room 1002, 10th Floor, Building 6, Zone A, Pingtaichang Science and Technology Park, Yongnan Industrial Zone, Shangcun, Guangming District, Shenzhen

Contactperson: Wang Jianquo 13424341872

2. Document formulation / revision / abolition of the resume

Address: Room 1002, 10th Floor, Building 6, Zone A, Pingtaichang Science and Technology Park, Yongnan Industrial Zone, Shangcun, Guangming District, Shenzhen

Contactperson: Wang Ji anguo 13424341872

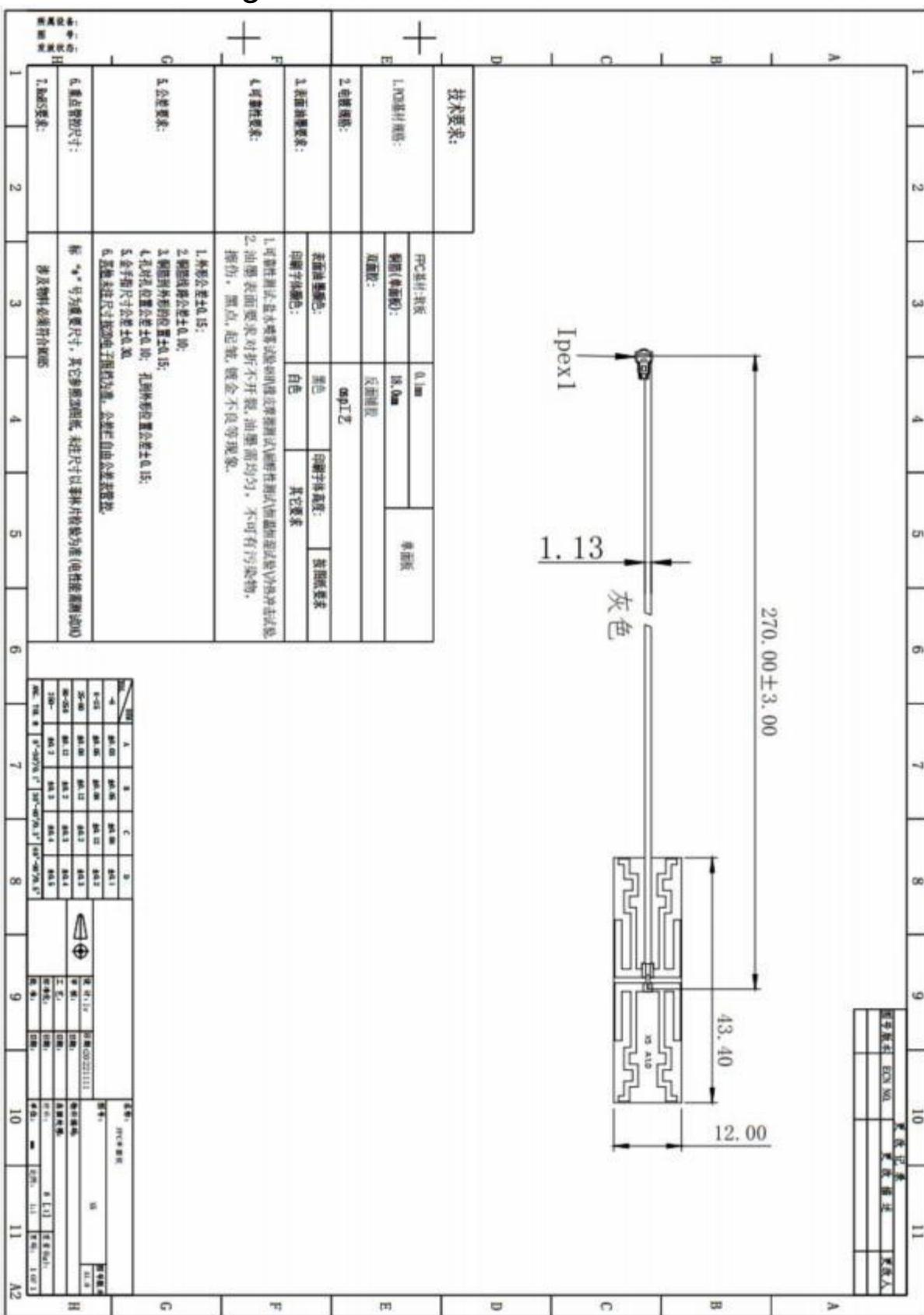
3. Directory

1. Cover.....	1
2. Document formulation / revision / abolition of the resume.....	2
3, catalogue.....	3
4. Product drawings.....	4
5. passive performance test parameters.....	5-6
6. Electrical performance test report.....	7
7. Reliability test report.....	8-9
8. Packaging specifications.....	10

Address: Room 1002, 10th Floor, Building 6, Zone A, Pingtaichang Science and Technology Park, Yongnan Industrial Zone, Shangcun, Guangming District, Shenzhen

Contact person: Wang Jianguo 13424341872

4. Product drawings

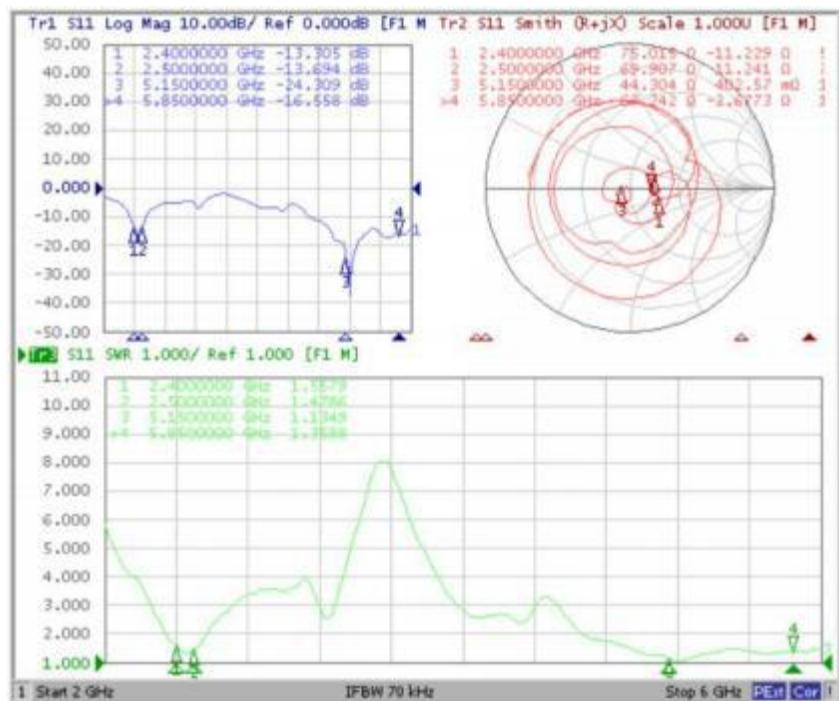


Address: Room 1002, 10th Floor, Building 6, Zone A, Pingtaichang Science and Technology Park, Yongnan Industrial Zone, Shangcun, Guangming District, Shenzhen

Contactperson: Wang Jianguo 13424341872

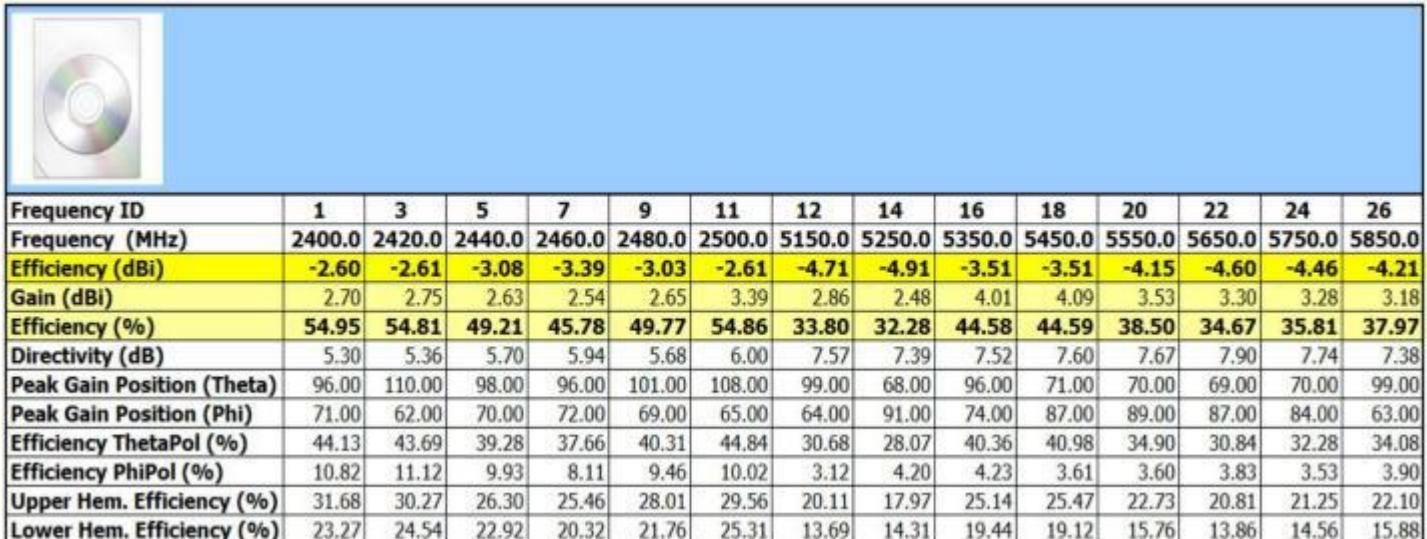
5. passive performance test parameters

S11



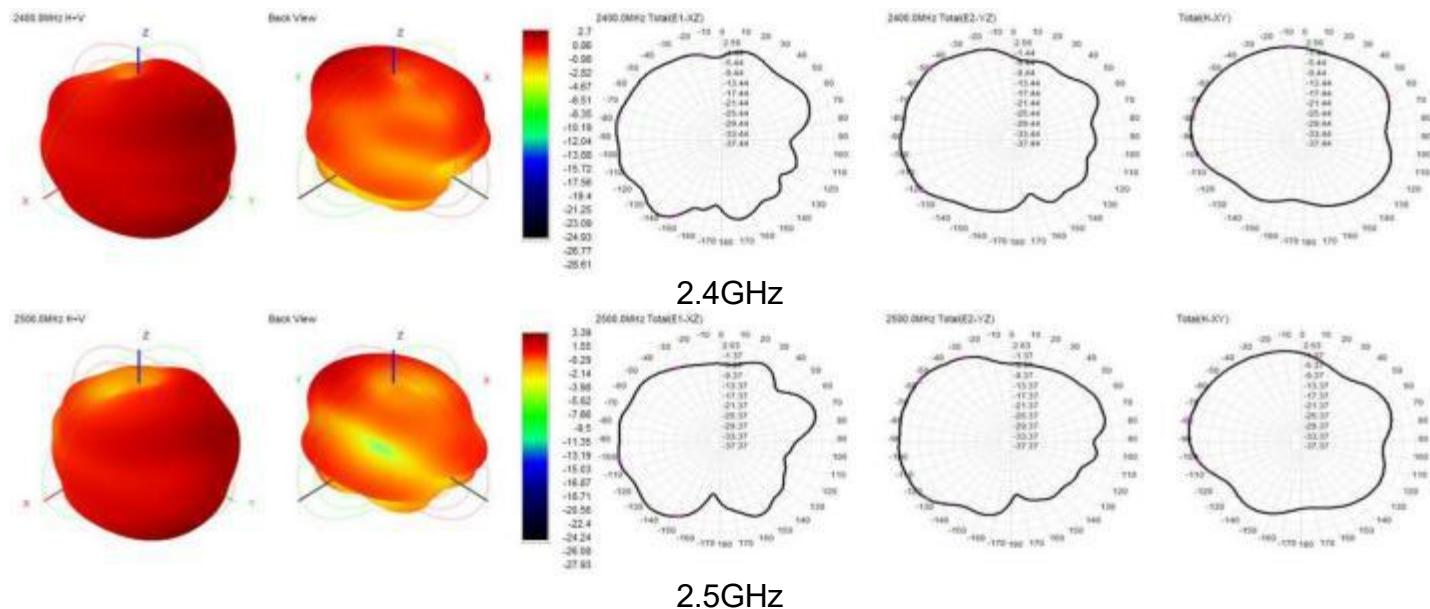
Fre(GHz)	2.4	2.5
ReeturnLoss	-13.30	-13.69
VSWR	1.55	1.47

Efficiency, gain, and direction diagram



Address: Room 1002, 10th Floor, Building 6, Zone A, Pingtaichang Science and Technology Park, Yongnan Industrial Zone, Shangcun, Guangming District, Shenzhen

Contact person: Wang Jianguo 13424341872



Address: Room 1002, 10th Floor, Building 6, Zone A, Pingtaichang Science and Technology Park, Yongnan Industrial Zone, Shangcun, Guangming District, Shenzhen

Shenzhen
Contactperson: Wang Jianquo 13424341872

6. Electrical performance parameters

Electrical parameters	
frequency range	working temperature
input impedance	
standing-wave ratio	
gain	2.4GHz 5.8GHz
Polarization mode	
radiation direction	
Connector model	
wire length	
Mainten	
ance	
force	
coaxial	
cable	

salt

spray

test

2.4-2.5GHz

olarized

50Ω

omnidire
ctional

<2.0

lp ex1

3 dBi

Mechanical parameters

3 dBi

270m

C

m/

Gray is 1.13mm

0

8

environmental parameter

p

-40~85°C

Address: Room 1002, 10th Floor, Building 6, Zone A, Pingtaichang Science and Technology Park, Yongnan Industrial Zone, Shangcun, Guangming District, Shenzhen

Contactperson: Wang Jianguo 13424341872

7. Reliability test report

7.1. Constant temperature and humidity test

Test / test items	steady temperature damp test	Inspection sheet number
Product name / specification	2.4G-FPC RF1.13mm Line, line length of 270mm, Ip ex1	Number of tests: 5 PCS
		Completion date: 20-2022
Inspection date: November 29,2022		
Test / inspection equipment: 1. Program-type constant temperature and humidity test box 2.8753 ES network analyzer		
Test / Inspection Conditions: 1. Test for 12H at constant temperature-40°C 2. + 65 ° 65 ~ 70% RH test 12H, a total of 24 hours;		
end of test		
requirement: 1. No cracks and separation on the metal surface; the non-metallic part should not have discoloration, cracking, deformation, glue and other bad; 2. The electrical test meets the standard requirements; the voltage ratio test is qualified		
Test / inspection determination: <input checked="" type="checkbox"/> qualified <input type="checkbox"/> unqualified <input type="checkbox"/> Do not make judgment		

Test: Audit:

Address: Room 1002, 10th Floor, Building 6, Zone A, Pingtaichang Science and Technology Park, Yongnan Industrial Zone, Shangcun, Guangming District, Shenzhen

Contact person: Wang Jianguo 13424341872

7.2. Cold and cold shock at high and low temperature

Test / test items	Cold and cold shock at high and low temperature 2.4G-FPC	Inspection sheet number Number of tests: 5 PCS
		Completion date: 20-2022
Inspection date: November 29,2022		
Test / inspection equipment: 1. High and low temperature are alternating with humid heat 2.8753 ES Network Analyzer		
Test / Inspection Conditions: -40°C (2H) - -80°C (2H) interval, 6 cycles, a total of 24 hours;		
end of test		
requirement: 3. The metal surface coating shall not be peeling, cracking, separation, etc.; the non-metallic part shall not have discoloration, cracking, deformation, bonding and other bad; 4. The electrical test meets the standard; the voltage wave ratio test is qualified.		
Test / inspection determination: <input checked="" type="radio"/> qualified <input type="radio"/> unqualified <input type="radio"/> Do not make judgment		

Test: Audit:

Address: Room 1002, 10th Floor, Building 6, Zone A, Pingtaichang Science and Technology Park, Yongnan Industrial Zone, Shangcun, Guangming District, Shenzhen

Contact person: Wang Jianguo 13424341872

8. Packaging specifications

Product material number:

Product specification: InternalAntenna/2.4G-WiFi/3dBi/50ohm/FPC43.40*12.00mm/RF1.13mm
Graycoaxial lineL=270mm + IpeX 1

1. labeling requirement

Inner label length 45 wide 70		Outer label long 45 wide 70	
demander		demander	
supplier		supplier	
	Tianfrequency Intelligent Internet of Things Technology (Shenzhen) Co., LTD		Tianfrequency Intelligent Internet of Things Technology (Shenzhen) Co., LTD
Customer order number		Customer order	
Custom	2. Packaging	Custom	
er		r	
material		examination	material
number		clerk	number
material			material
code			code
product			product
name			name
specific			specific
ation			tion
Quantity / unit		Quantity / unit	
remarks		remarks	

2. The packing requirements

1. Internal
packagin
g
products
50 PCS
5000 PCS

date of manufacture

examination clerk

Address: Room 1002, 10th Floor, Building 6, Zone A, Pingtaichang Science and Technology Park, Yongnan Industrial Zone, Shangcun, Guangming District, Shenzhen

Contact person: Wang Jianguo 13424341872