



Shenzhen Tianweixun wireless technology co., ltd.

Product performance and specification

CUSTOMER NAME: _____

3-WIFI-2450-05

2. 4G+5G

Antenna, BT+WIFI,

FPC+0.18mm*109mm

PRODUCT NAME: _____

NOTE: _____

Client	Admit manufacturing party		
Customers confirmation	Quality department	R&D	Approval
		ME: RF:	
Date:	Date: 2022-11-30		

Shenzhen Tianweixun wireless technology co., ltd.

Tel:+860755-29361726 Fax:+860755-85268343

R&d Add: 401A NO.A1 Huarong Road No.528,RixinTechnology park,Dalang Longhua District.Shzhen GD 518109

Shenzhen Tianweixun wireless technology co., ltd.

Issuer	XianMing Liao	Product performance and specification	VER	V0
Design department	R&D center		DATE	2022-11-25

Catalogue

- 1.1 PROJECT PHOTO II
- 1.1.1 ANTENNA MACHING CIRCUIT II
- 2.1 PRODUCT DESIGN PURPOSE II
- 3.1 ANTENNA INTRODUCED III
- 3.1.1 ANTENNA DATA AND MATERIALS III
- 3.1.2 ANTENNA MODE III
- 3.1.3 ANTENNA DSINGN FREQUENCY BAND III
- 3.1.4 THE ANTENNA IS TEST IN ETS-SG24 SYSTEM 3D DATA 4
- 3.1.5 ANTENNA PASSIVE VSWR AND RETURN LOSS 5
- 3.1.6 ANTENNA ACTUAL TEST RESULTS 6
- 4.1 DRAWINGS OF PRODUCT DESIGN 6

Requirements on confidentiality of information

Shenzhen tianweixun wireless technology CO., LTD.Has proprietary technology and is not allowed to disclose the information to any company or individual without the prior written consent of the company.

Shenzhen Tianweixun wireless technology co., ltd.

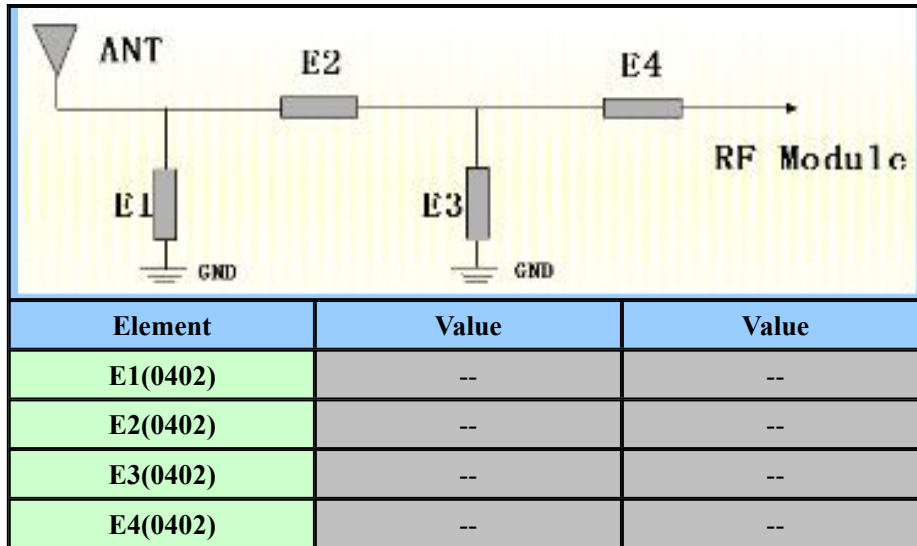
Issuer	XianMing Liao	Product performance and specification	VER	V0
Design department	R&D center		DATE	2022-11-25

1.1 Project photo

NO photo

OdinSmart

1.1.1 Antenna Matching Circuit



Matching mark: No change in matching circuit.

2.1 Product design purpose

To standardize the testing method of the product specification of communication

Requirements on confidentiality of information

Shenzhen tianweixun wireless technology CO., LTD.Has proprietary technology and is not allowed to disclose the information to any company or individual without the prior written consent of the company.

Shenzhen Tianweixun wireless technology co., ltd.

Issuer	XianMing Liao	Product performance and specification	VER	V0
Design department	R&D center		DATE	2022-11-25

terminal antenna produced by shenzhen tianweixun wireless technology co., LTD., to avoid errors caused by different testing conditions and method.

3. 1 Antenna

3. 1. 1 Antenna electrical specification and material

This report mainly provides the test status of the structural performance parameters of OdinSmart antenna



Photo of antenna designed by tianweixun

3.1.2 ANTENNA MOLD:

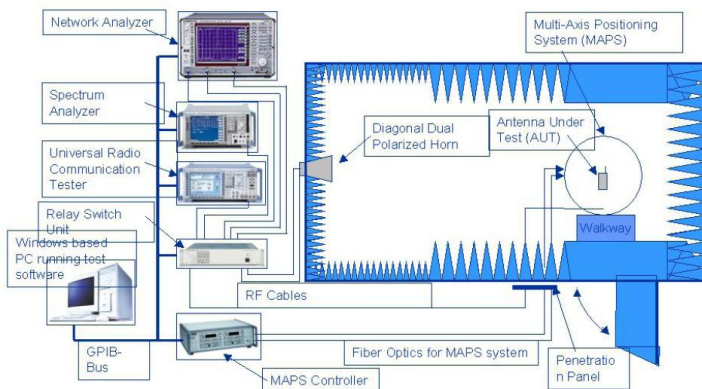
Antenna category: monopole

Antenna material: FPC

3. 1. 3 ANTENNA DSINGN FREQUENCY BAND:

The antenna frequency band is 2400MHz~2500MHz , 5150mhz~5250mhz, 5700mhz~5800mhz

3.1.4 THE ANTENNA IS TEST IN ETS-SG24 SYSTEM 3D CHAMBER



picture (1) ETS-SG24 SYSTEM



picture (2) The product is placed in the 3D test device

Requirements on confidentiality of information

Shenzhen tianweixun wireless technology CO., LTD.Has proprietary technology and is not allowed to disclose the information to any company or individual without the prior written consent of the company.

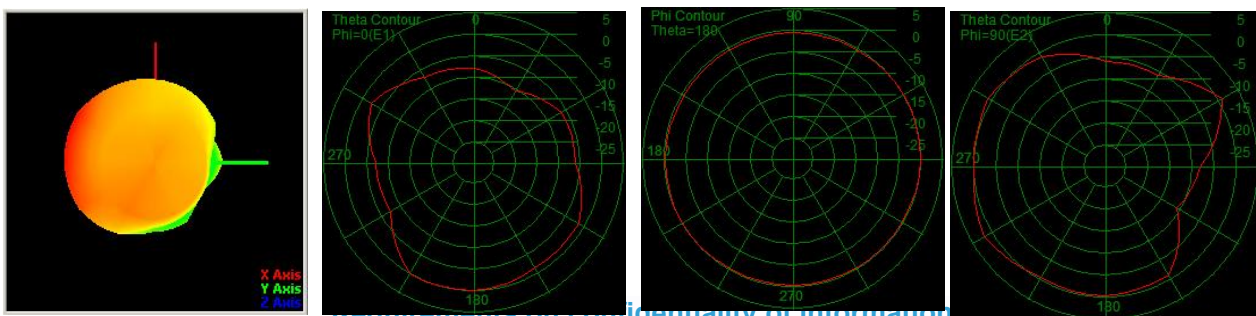
Shenzhen Tianweixun wireless technology co., ltd.

Issuer	XianMing Liao	Product performance and specification	VER	V0
Design department	R&D center		DATE	2022-11-25

3D data designed by tianweixun(Gain 、 Efficiency and pattern):

Freq (MHz)	Effi (%)	Gmin (dBi)
2400	48.75	1.26
2450	42.27	1.98
2500	43.05	1.83
5150	52.77	1.29
5350	54.20	1.49
5500	50.12	1.54
5650	51.88	1.02
5750	46.89	1.99
5850	53.05	1.42

2400MHZ:

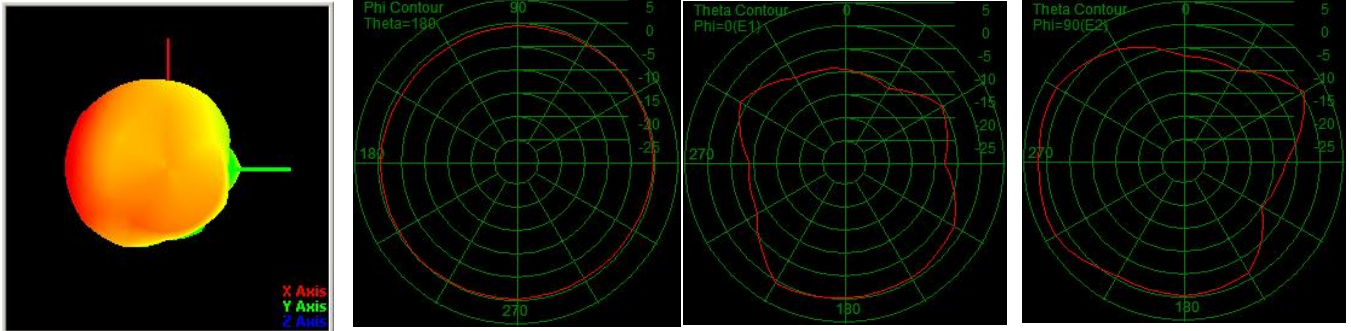


Shenzhen tianweixun wireless technology CO., LTD.Has proprietary technology and is not allowed to disclose the information to any company or individual without the prior written consent of the company.

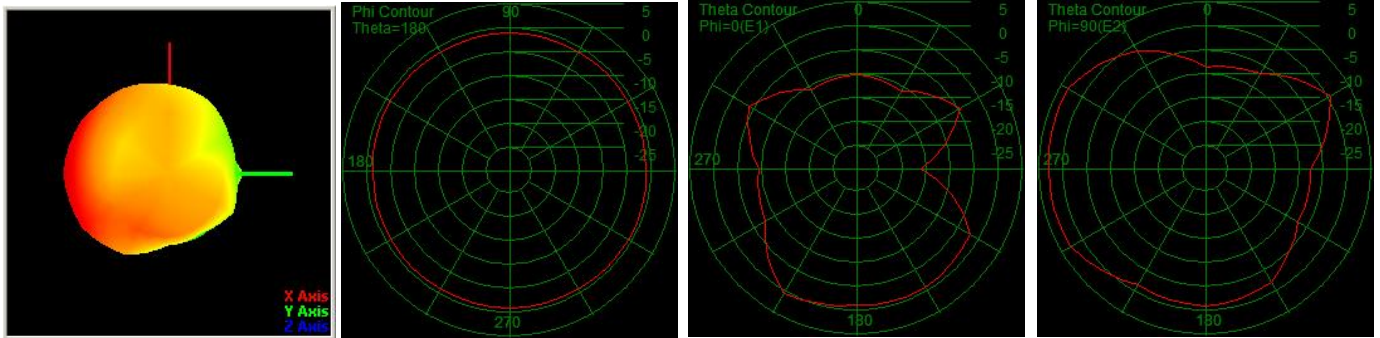
Shenzhen Tianweixun wireless technology co., ltd.

Issuer	XianMing Liao	Product performance and specification	VER	V0
Design department	R&D center		DATE	2022-11-25

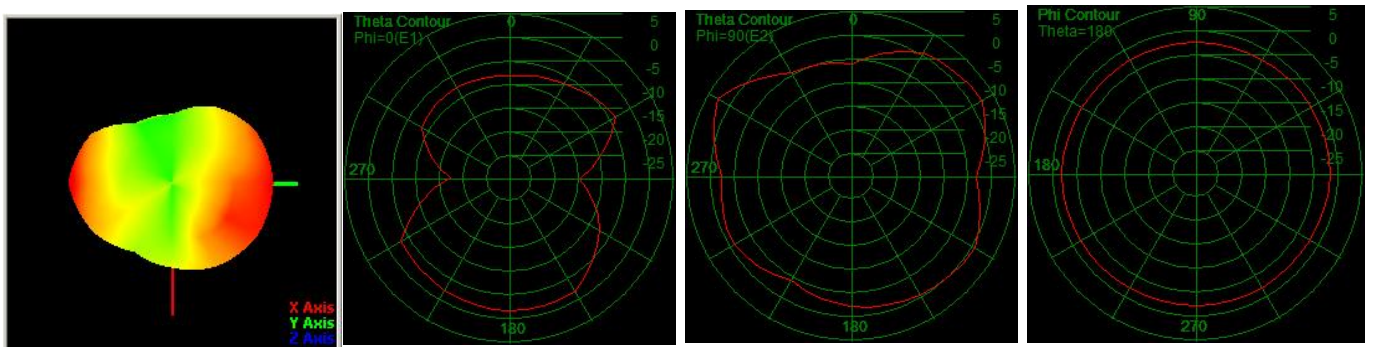
2450MHZ:



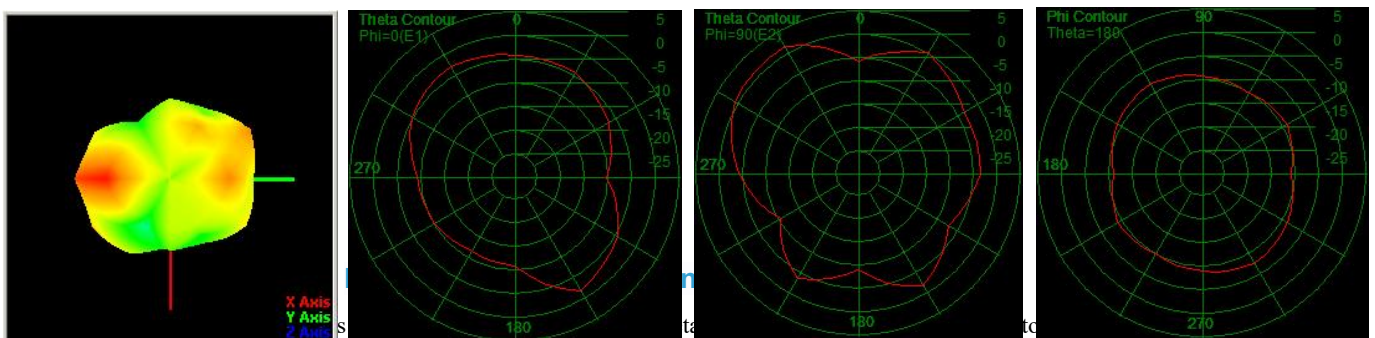
2500MHZ:



5150MHZ:



5250MHZ:

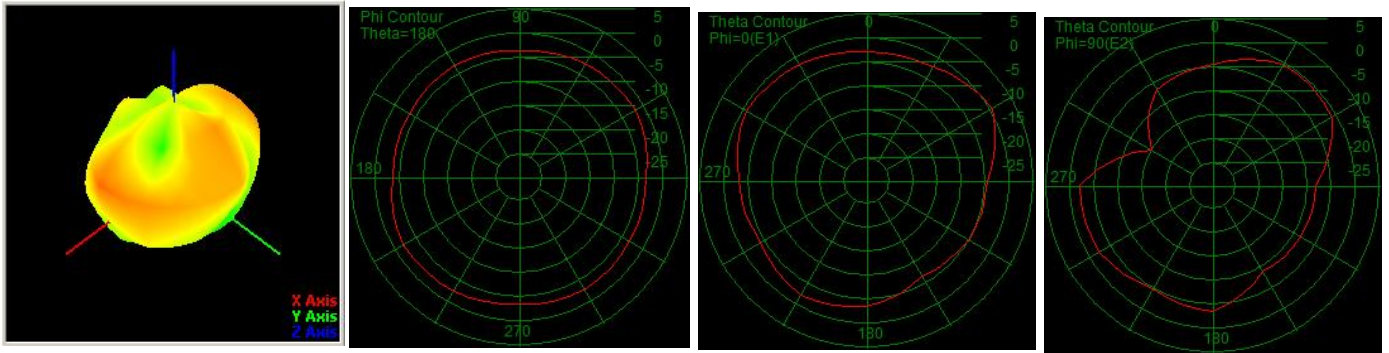


any company or individual without the prior written consent of the company.

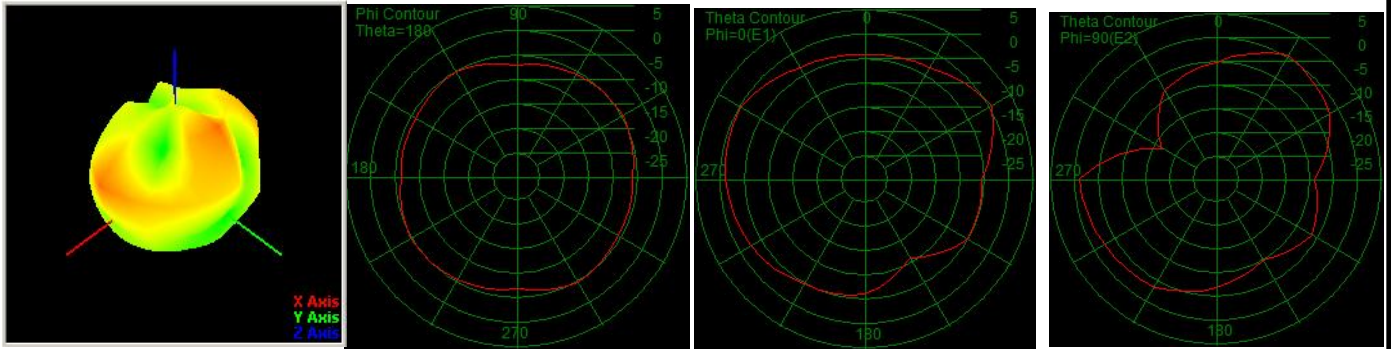
Shenzhen Tianweixun wireless technology co., ltd.

Issuer	XianMing Liao	Product performance and specification	VER	V0
Design department	R&D center		DATE	2022-11-25

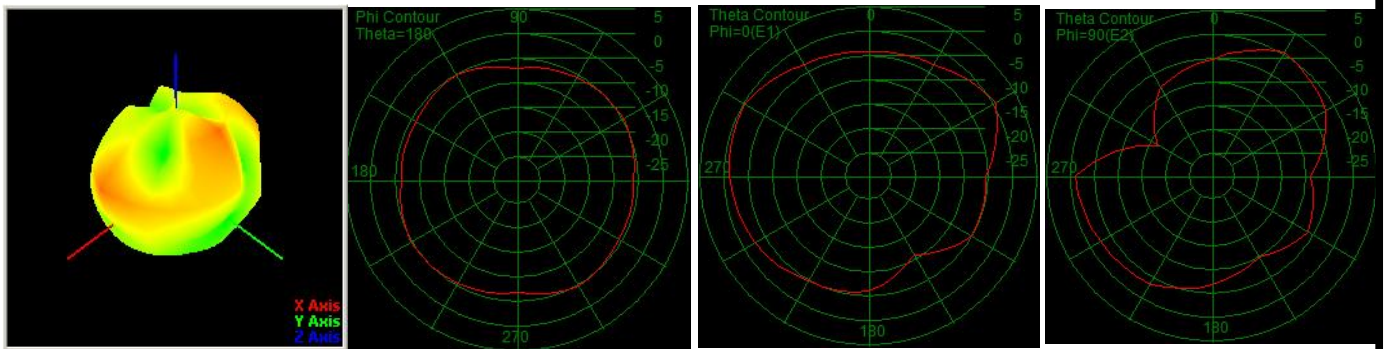
5700mhz:



5750mhz:



5800mhz:



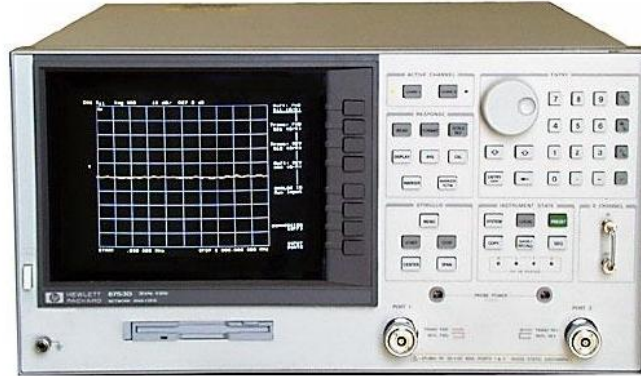
3.1.5 ANTENNA PASSIVE VSWR AND RETURN LOSS

Requirements on confidentiality of information

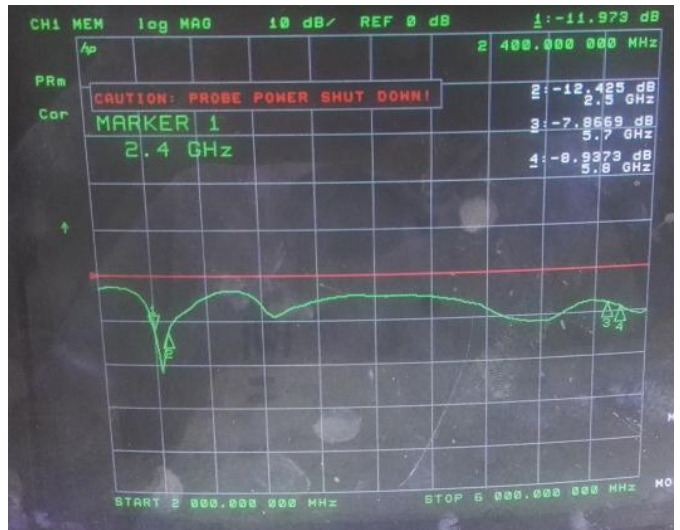
Shenzhen tianweixun wireless technology CO., LTD.Has proprietary technology and is not allowed to disclose the information to any company or individual without the prior written consent of the company.

Shenzhen Tianweixun wireless technology co., ltd.

Issuer	XianMing Liao	Product performance and specification	VER	V0
Design department	R&D center		DATE	2022-11-25



(VSWR)



(Return loss)

3.1.6 ANTENNA ACTUAL TEST RESULTS (Active)

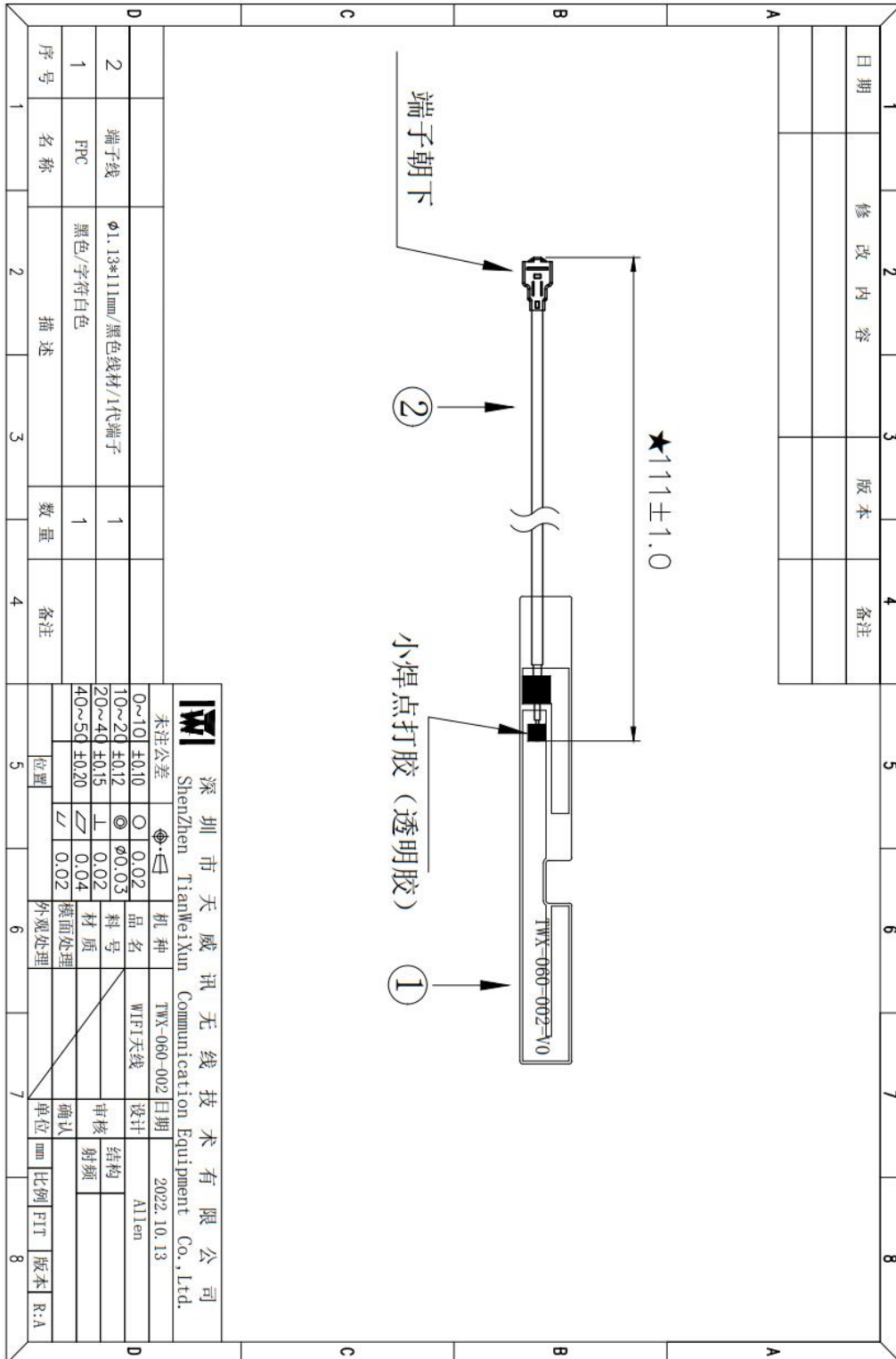
4.1 DRAWING OF PRODUCT DESING

Requirements on confidentiality of information

Shenzhen tianweixun wireless technology CO., LTD.Has proprietary technology and is not allowed to disclose the information to any company or individual without the prior written consent of the company.

Shenzhen Tianweixun wireless technology co., ltd.

Issuer	XianMing Liao	Product performance and specification	VER	V0
Design department	R&D center		DATE	2022-11-25



Requirements on confidentiality of information

Shenzhen tianweixun wireless technology CO., LTD.Has proprietary technology and is not allowed to disclose the information to any company or individual without the prior written consent of the company.