Shenzhen Tianweixun wireless technology co.,ltd.

Product performance and specification

CUSTOMER NAME:

PRODUCT NAME: 3-WIFI-2450-05

NOTE: 2.4G+5G Antenna,BT+WIFI, FPC+0.18mm*109mm

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

Shenzhen Tianweixun wireless technology co.,ltd.

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R&d Add: 401A NO.A1 Huarong Road No.528,Rixin Technology park,Dalang Longhua District.Shnzhen 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

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Requirements on confidentiality of information

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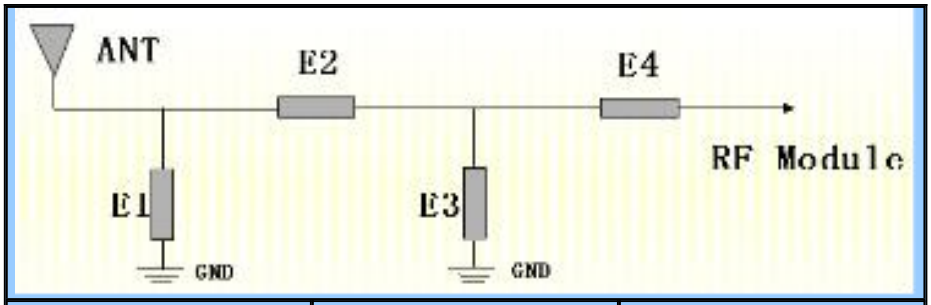
1.1 Project photo

NO photo

OdinSmart

1.1.1 Antenna Matching Circuit



Element	Value	Value
E1(0402)	--	--
E2(0402)	--	--
E3(0402)	--	--
E4(0402)	--	--

Matching mark: No change in matching circuit。

2.1 Product design purpose

To standardize the testing method of the product specification of communication

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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

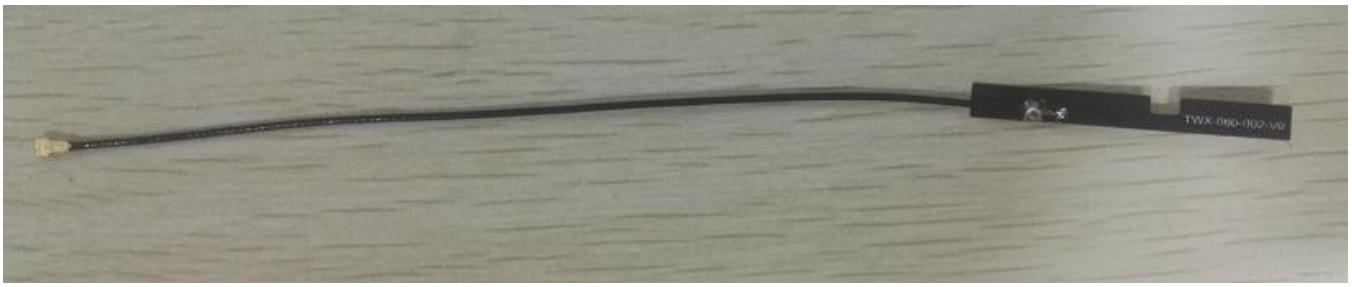


Photo of antenna designed by tianweixun

3.1.2ANTENNA MOLD:

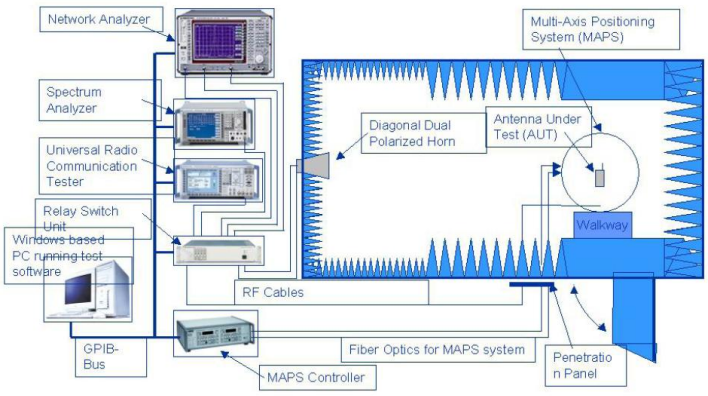
Antenna category: monople

Antenna material: FPC

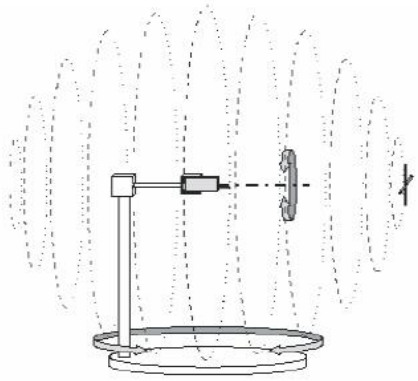
3.1.3ANTENNA DSINGN FREQUENCY BAND:

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

3.1.4THE 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

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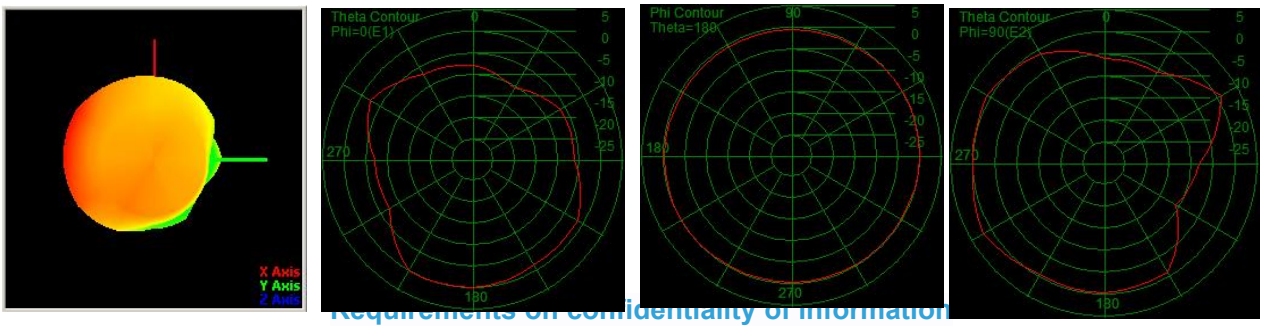
3D data designed by tianweixun(Gain 、 Efficency and pattern):

Freq (MHz)	Effi(%)	Gain (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:



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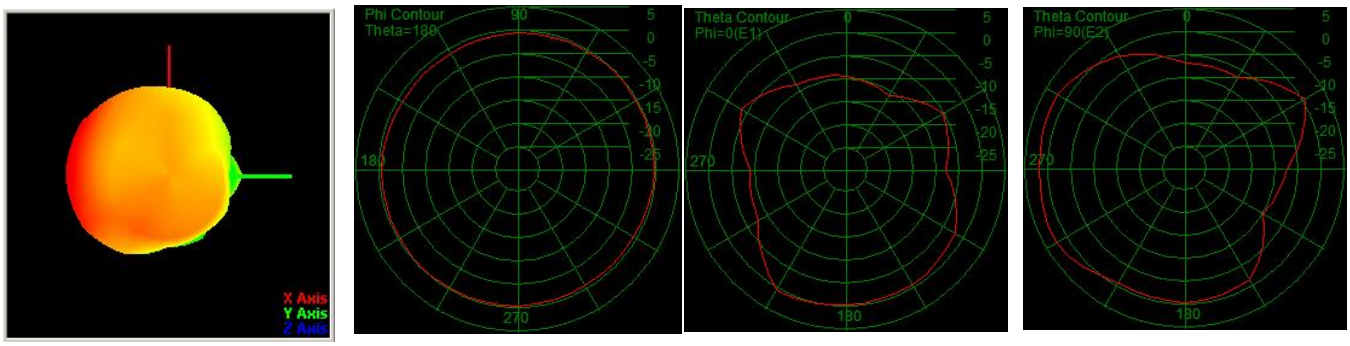
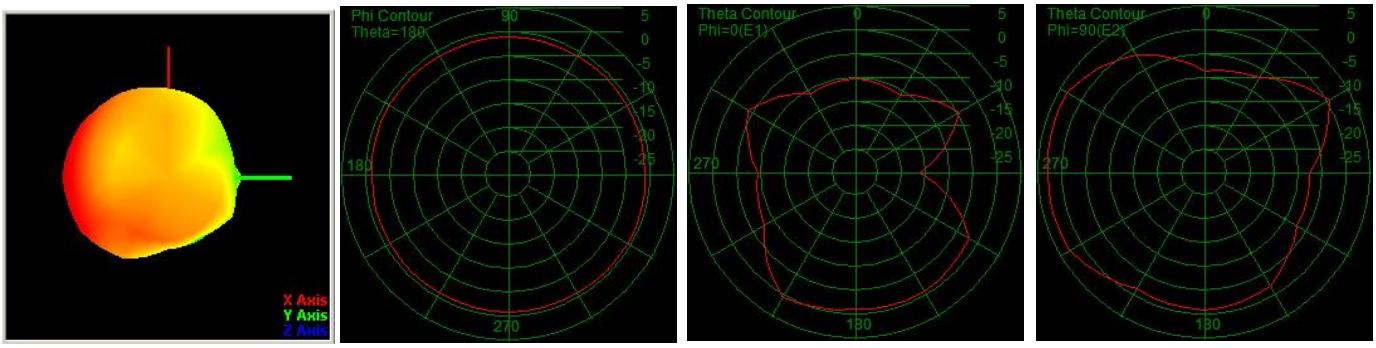
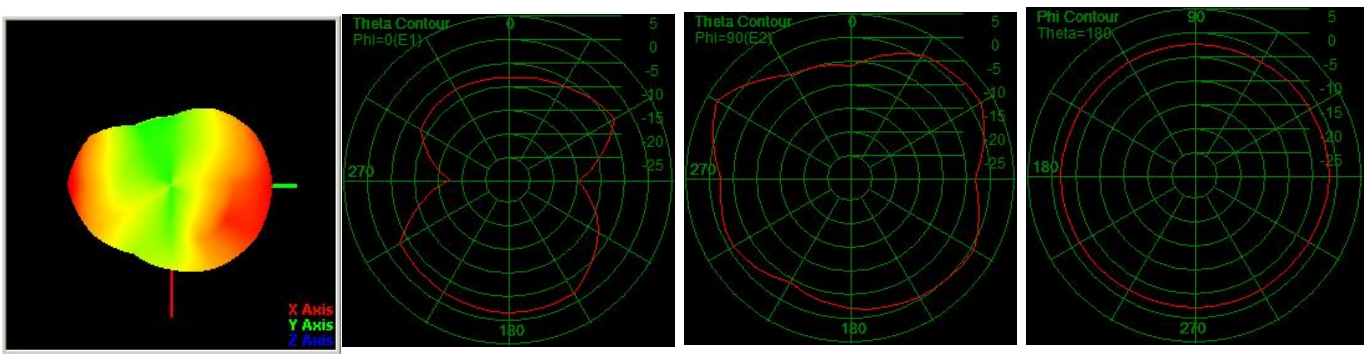
2450MHZ:



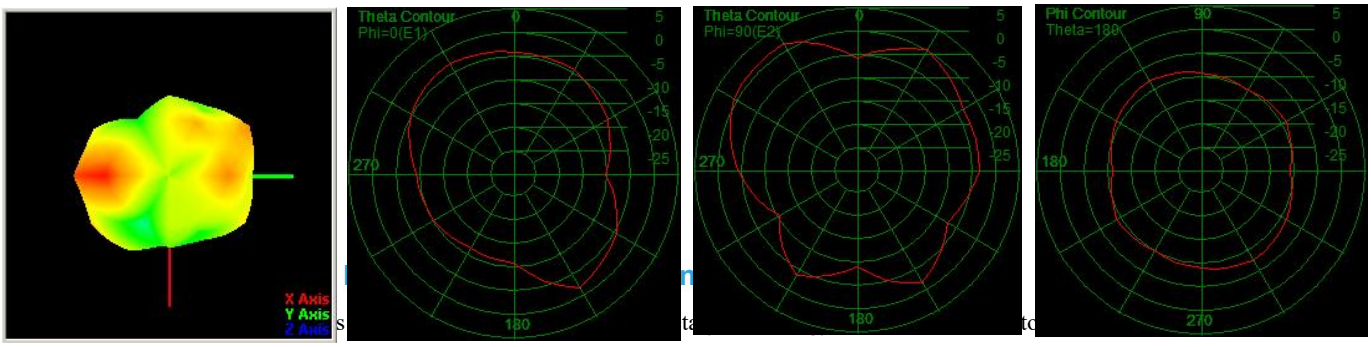
2500MHZ:



5150MHZ:

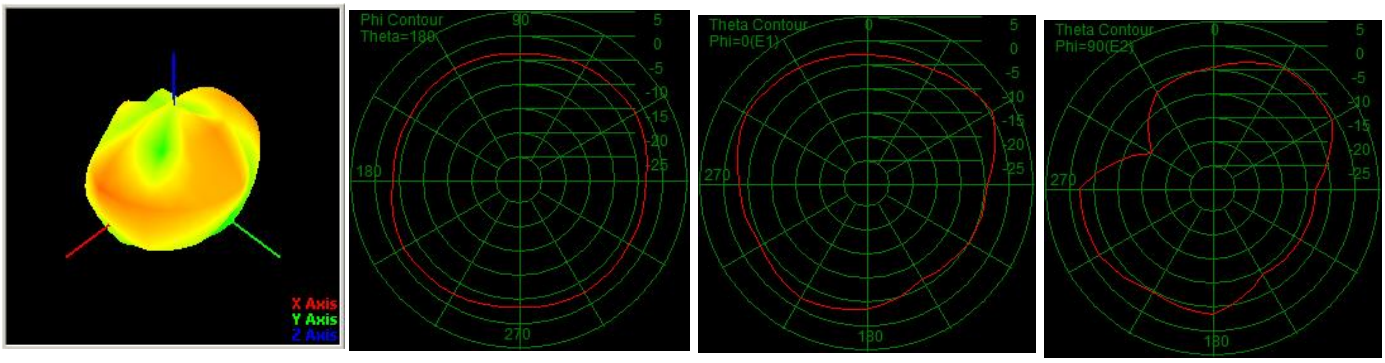


5250MHZ:

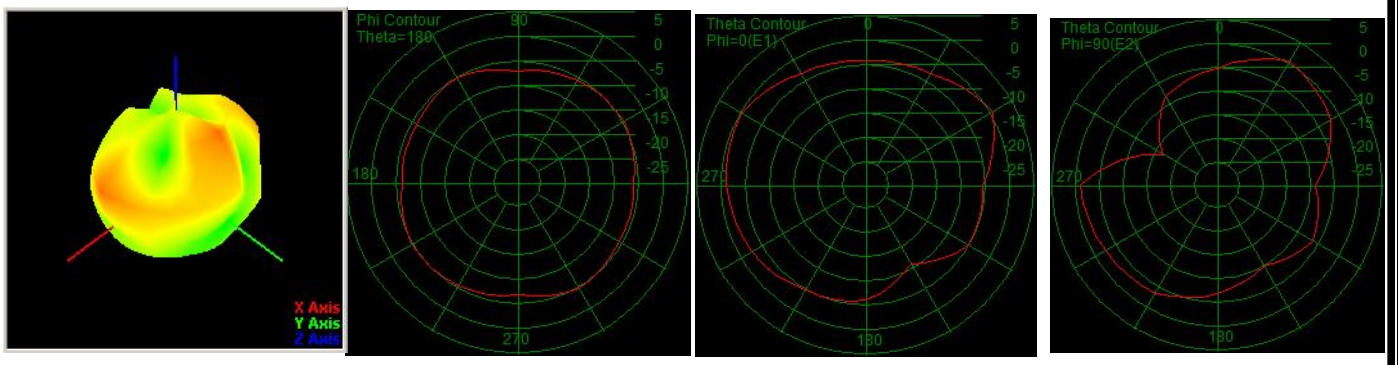


any company or individual without the prior written consent of the company.

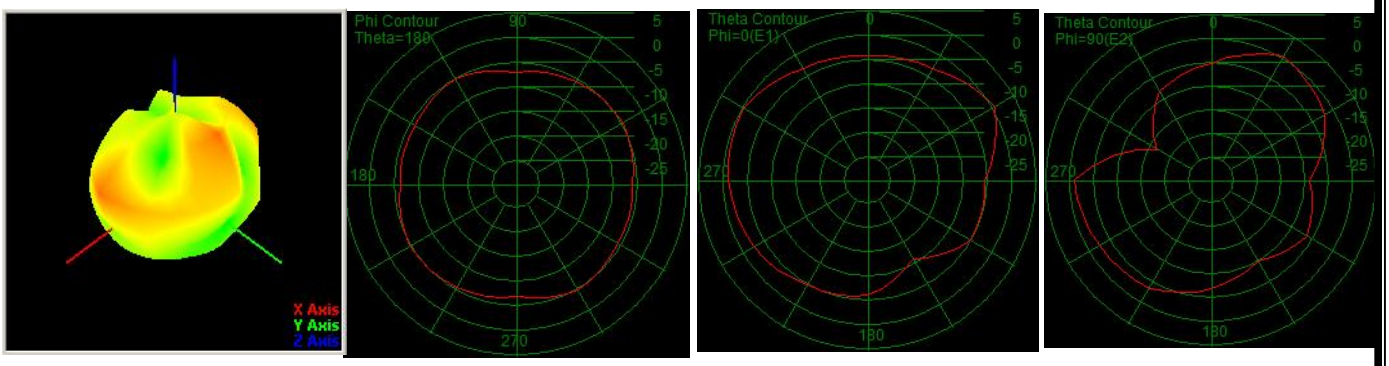
5700mhz:



5750mhz:



5800mhz:



3.1.5ANTENNA PASSIVE VSWR AND RETURN LOSS

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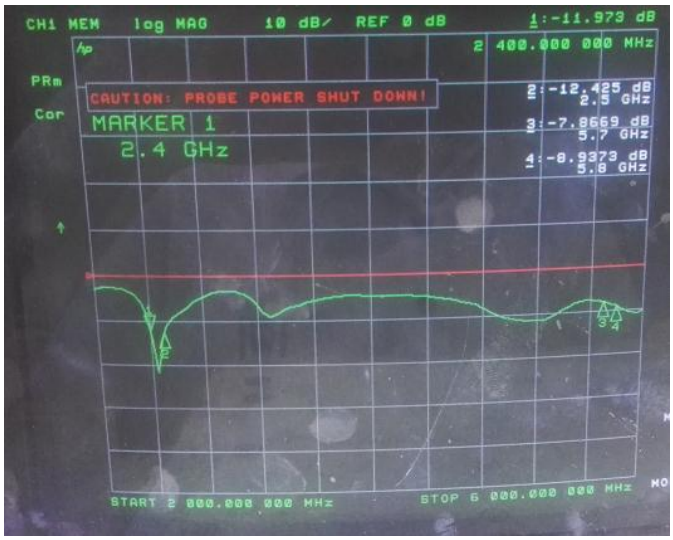
(VSWR)



(Return loss)

3.1.6 ANTENNA ACTUAL TEST RESULTS (Active)

4.1 DRAWUNG OF PRODUCT DESING

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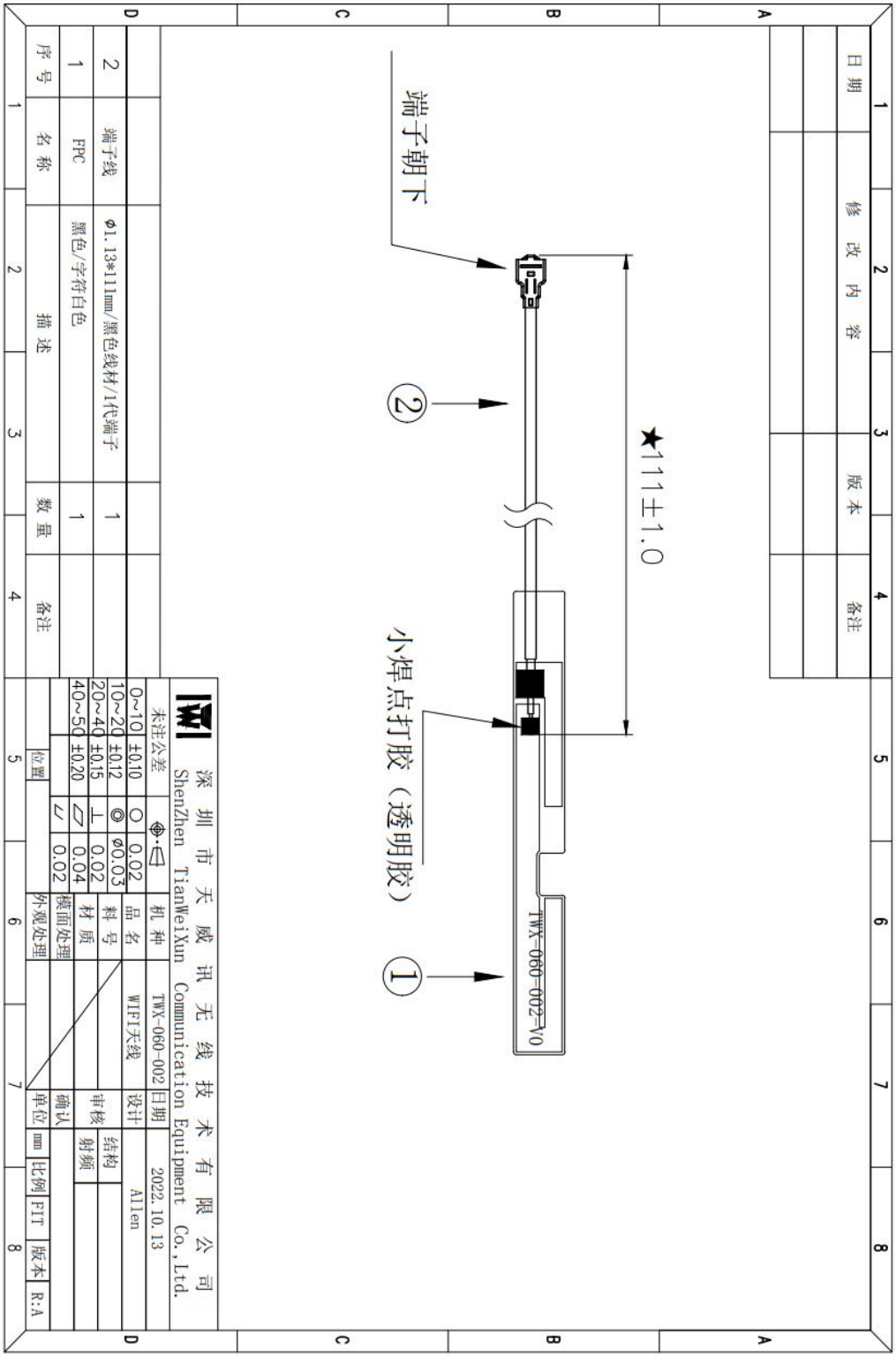

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