

Shenzhen Yunding Communication Electronics Co., LTD

TEL: +86 0755-23073599

FAX: +86 0755-23097189

E-mail:wht0809@163.com

APPROVAL SHEET

Shenzhen XinPai TechnologyCo.,Ltd.

CUSTOMER:

FPC (SY-WIFI-01) - 2.4/5.8GHz - 1.13 - L180mm - IPEX 1

DESCRIPTION:

YD-C03-0197

PART NO.:

CUS PART NO.:

2026-3-2

D A T E:

Yunding signature

ENGINEERING DEPARTMENT	Q C DEPARTMENT	SALES DEPARTMENT

Customer signature

ENGINEERING DEPARTMENT	Q C DEPARTMENT	PURCHASING DEPARTMENT

TEL: 0755 23073599

✂ Approval in duplicate, please signed by your company.

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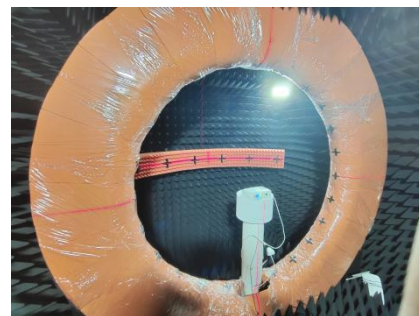
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1.Test items and equipment

	Test items	Equipment
1. S11-parameter	1. Return Loss 2. VSWR	network analyzer: Agilent E5071B HP 8753D
2.Active test	1. Transmitting power 2. Receiving sensitivity	1. Darkroom: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2.general-purpose tester : Agilent 8960 E5515B ×2 StarPoint SP6011 Cmw500
3.Passive test	1.Gain 2.Efficiency	1. Darkroom: ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. network analyzer: Agilent E5071B HP 8753D



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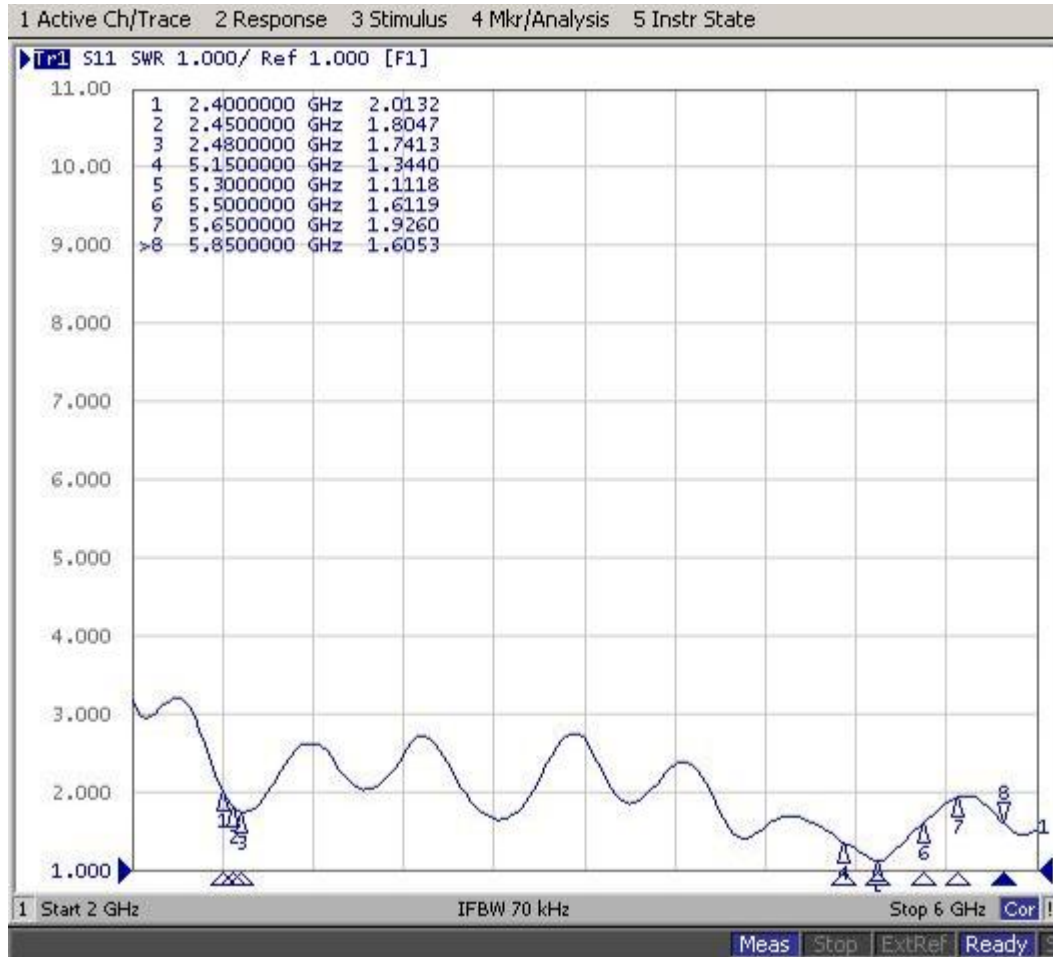
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2. Antenna performance

SWR



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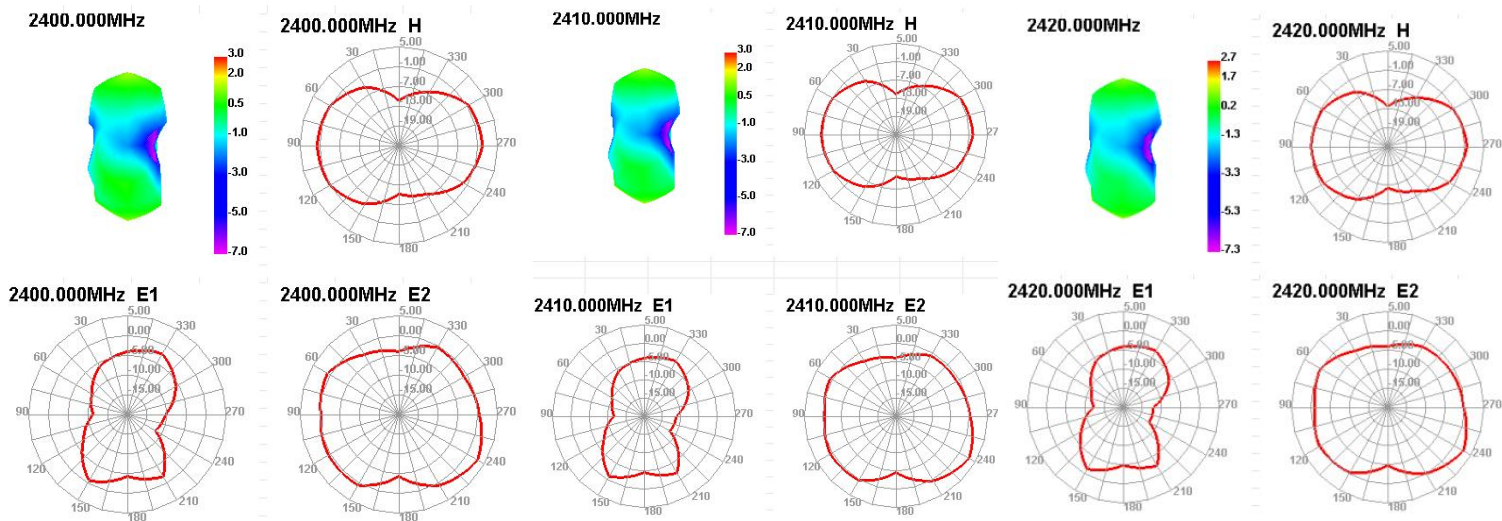
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3.Antenna efficiency and gain

Passive Test For WIFI2.4			Passive Test For WIFI5.8		
Freq	Effi	Gain	Freq	Effi	Gain
(MHz)	(%)	(dBi)	(MHz)	(%)	(dBi)
2400	63.28	3.02	5150	58.26	2.34
2410	61.16	3.04	5250	52.95	2.16
2420	55.64	2.73	5350	60.96	2.47
2430	54.86	2.8	5450	50.05	3.02
2440	54.88	2.91	5550	51.12	2.9
2450	58.89	3.13	5650	43.31	1.85
2460	54.29	2.69	5750	50.5	2.06
2470	57.34	2.75	5850	44.27	1.93
2480	56.65	2.49			
2490	60.65	2.6			
2500	57.95	2.3			

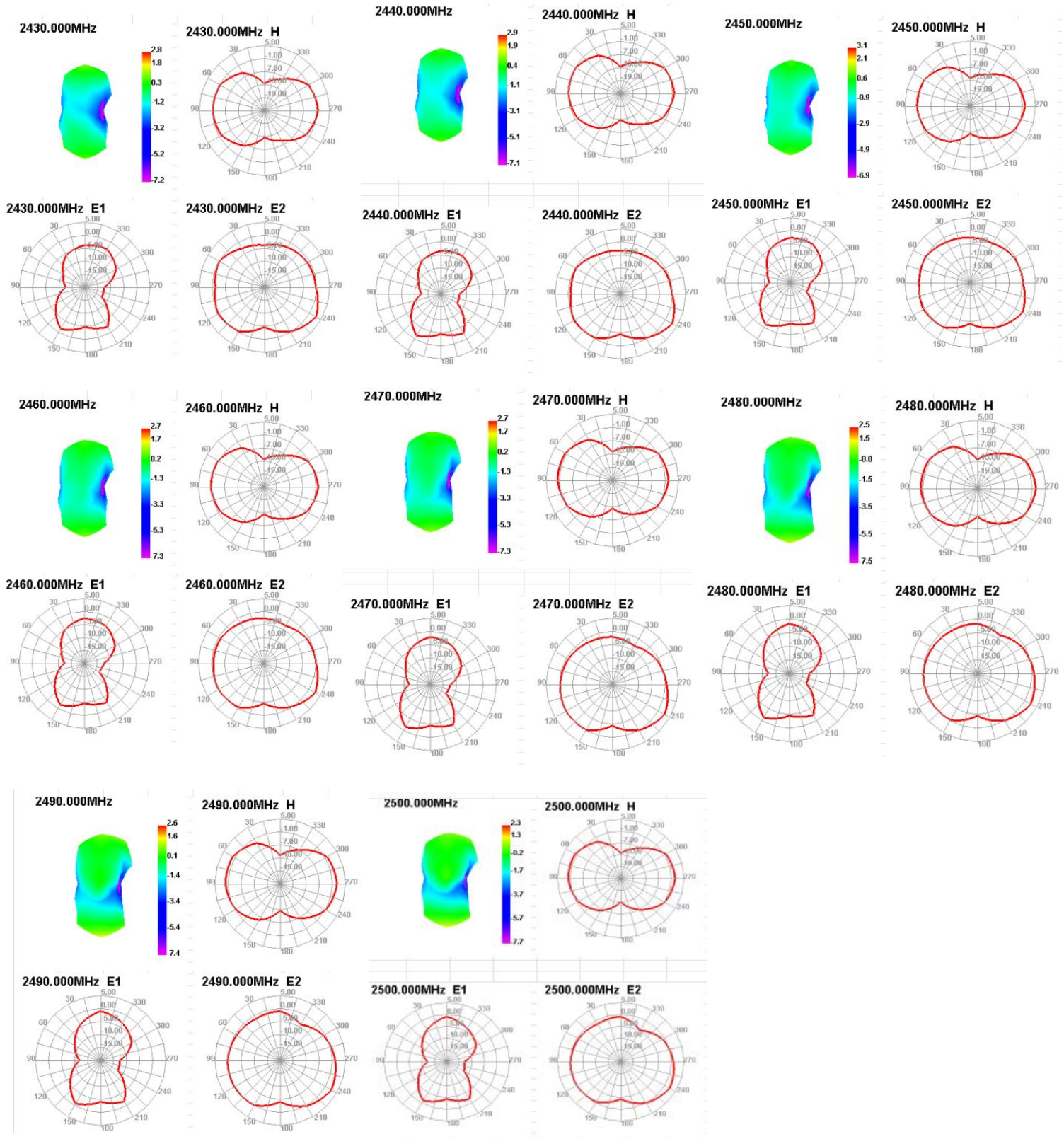


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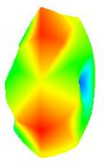
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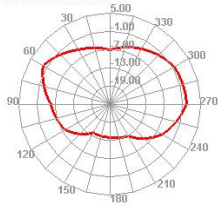
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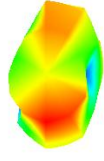
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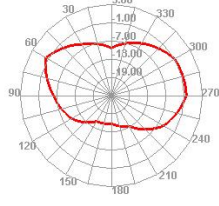
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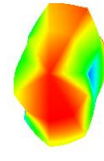
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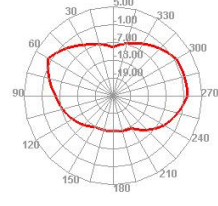
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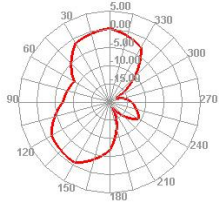
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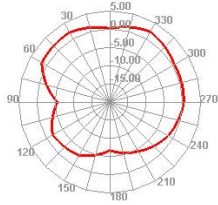
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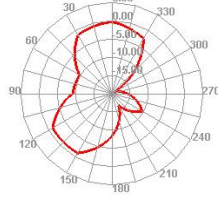
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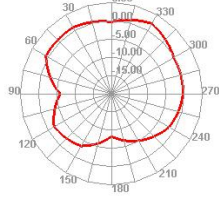
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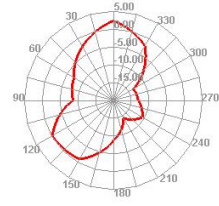
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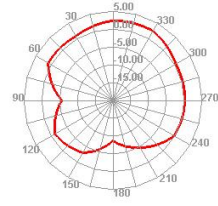
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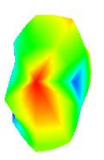
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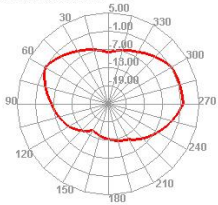
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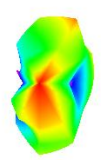
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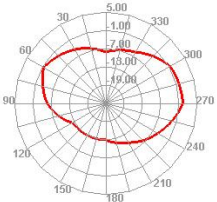
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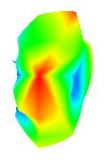
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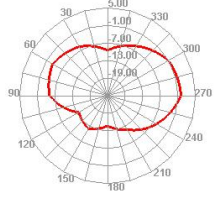
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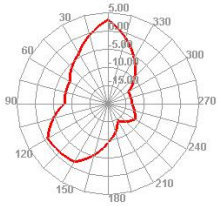
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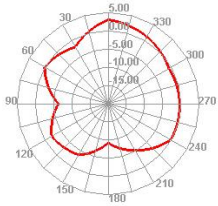
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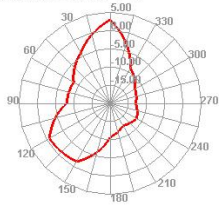
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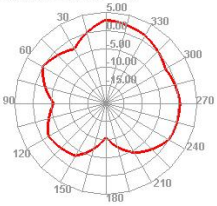
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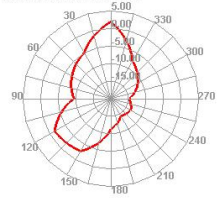
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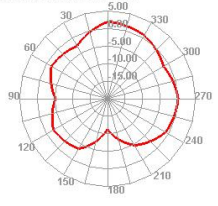
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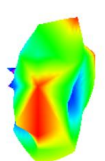
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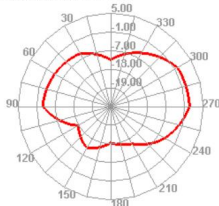
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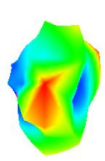
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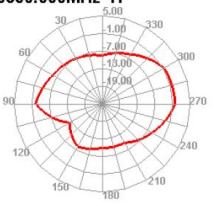
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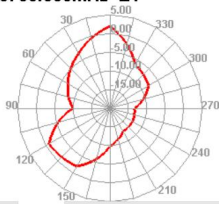
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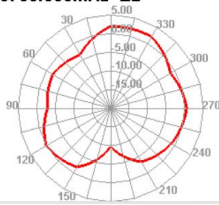
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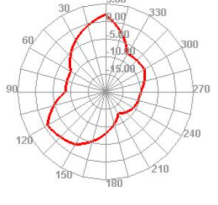
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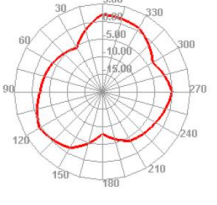
5750.000MHz E2



5850.000MHz E1



5850.000MHz E2



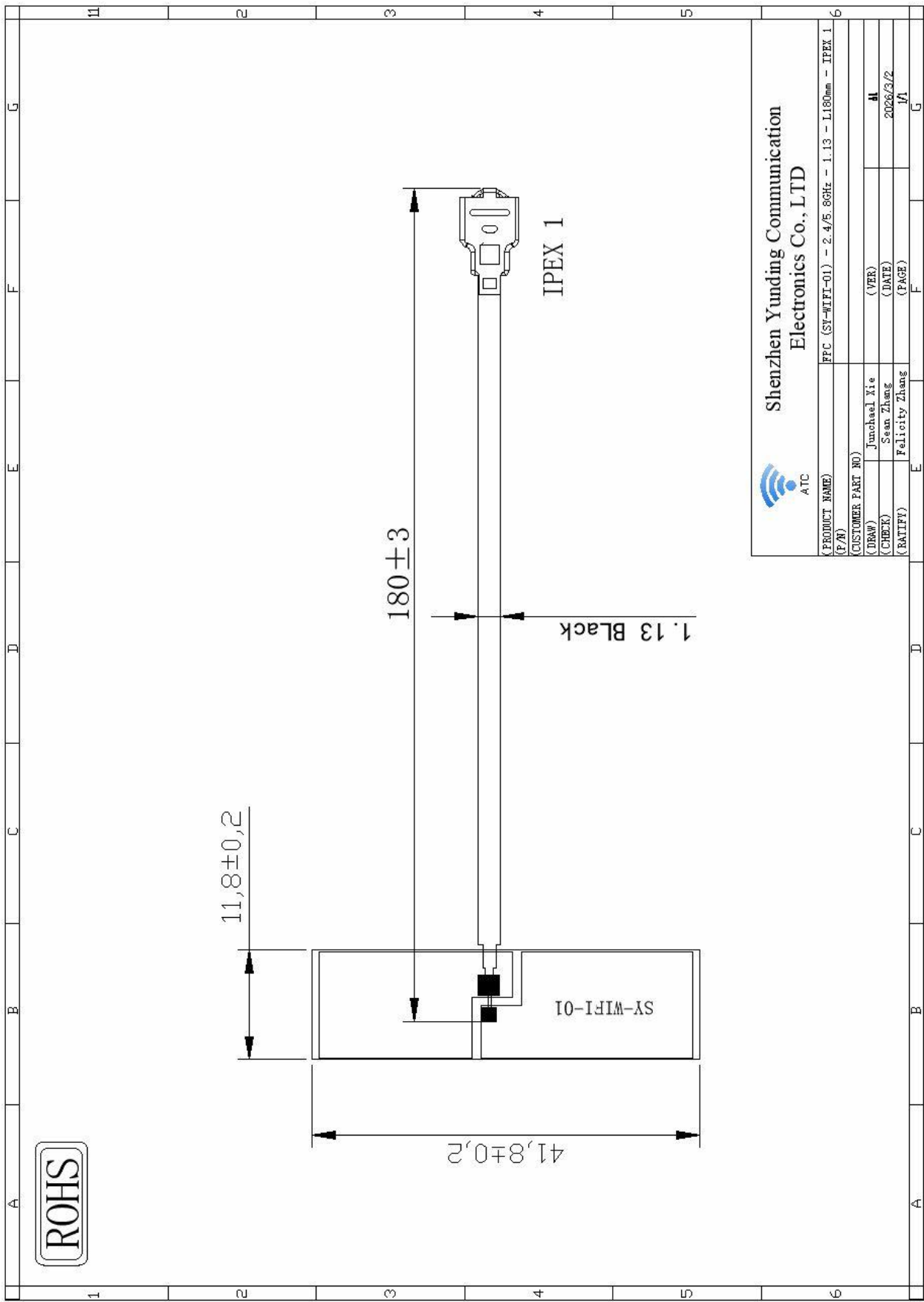
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4. Antenna structure diagram:



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Technical parameters of electrical appliances

Electrical Specifications

Frequency Range	2400~2500/5100~5800MHz
VSWR	≤2.0
Input Impedance	50 Ω
Gain	3.02 DBI

Mechanical Specifications

Antenna color	BLack
Input connector	IPEX 1
Antenna length	180mm
Working Temperature	-40℃~+85℃
Working Humidity	20~80%