

Shenzhen Yunding Communication Electronics Co., LTD

TEL: +86 0755-23073599

FAX: +86 0755-23097189

E-mail:wht0809@163.com

APPROVAL SHEET

CUSTOMER:

DESCRIPTION: YD-008-1.13 wire-150mm-IPEX 1

PART NO.:

CUS PART NO.:

D A T E: 2025-12-26

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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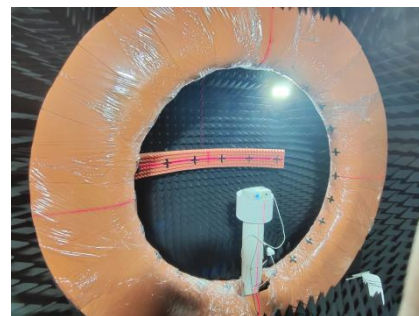
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1.Test items and equipment

	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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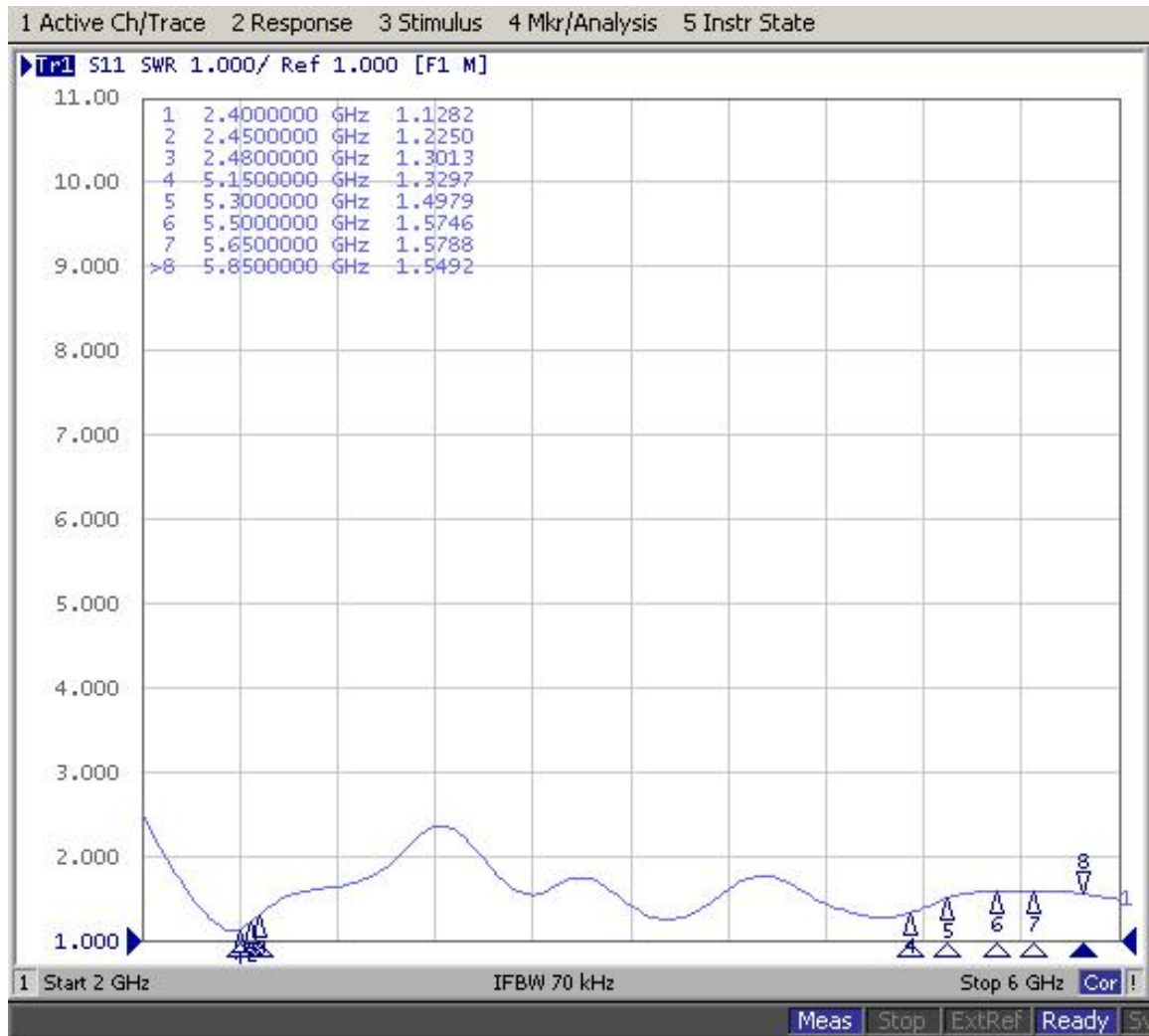
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2. Antenna performance

SWR



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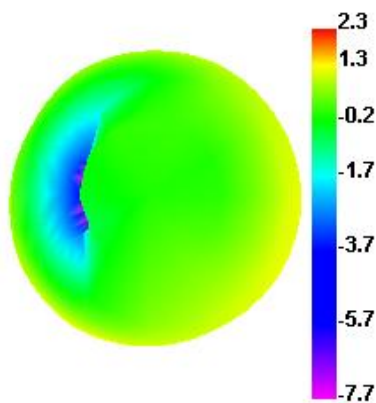
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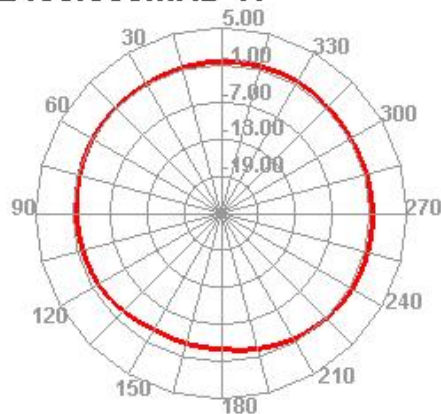
3. Antenna efficiency and gain

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	58.79	2.32
2410	58.4	2.26
2420	55.96	2.08
2430	56.37	2.15
2440	59.23	2.44
2450	62.98	2.73
2460	62.92	2.68
2470	63.78	2.64
2480	65.87	2.68
2490	69.05	2.7
2500	66.23	2.34

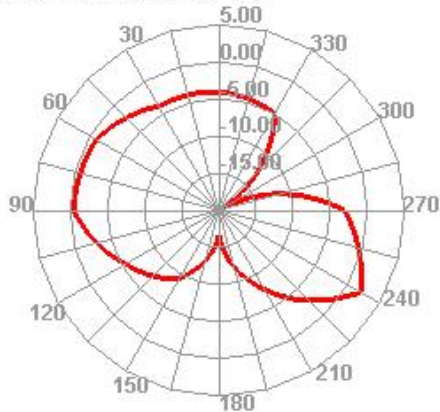
2400.000MHz



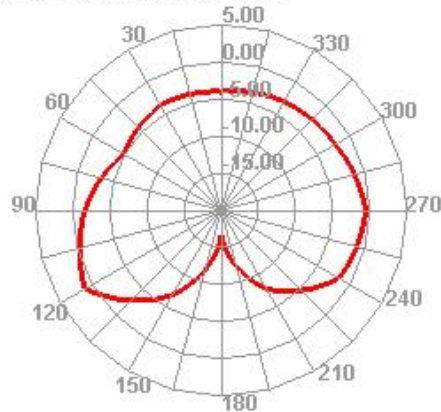
2400.000MHz H



2400.000MHz E1



2400.000MHz E2



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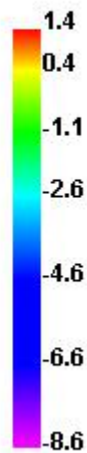
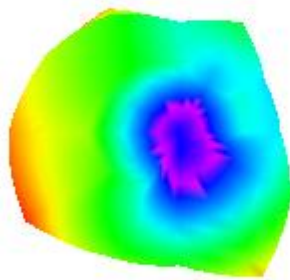
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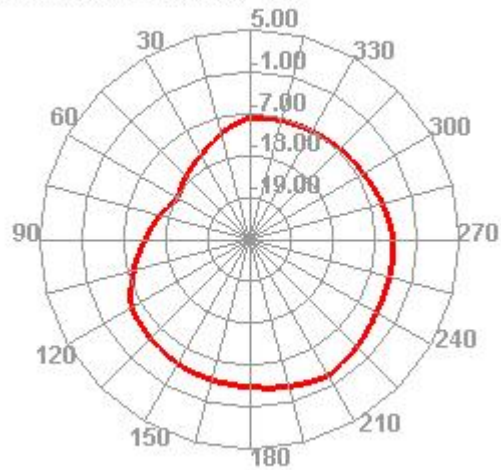
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Passive Test For WIFI5.8		
Freq (MHz)	Effi (%)	Gain (dBi)
5150	49.55	1.38
5250	41.38	0.53
5350	50.77	1.77
5450	50.17	1.55
5550	53.26	2.01
5650	43.55	0.88
5750	52.11	2.29
5850	43.94	0.76

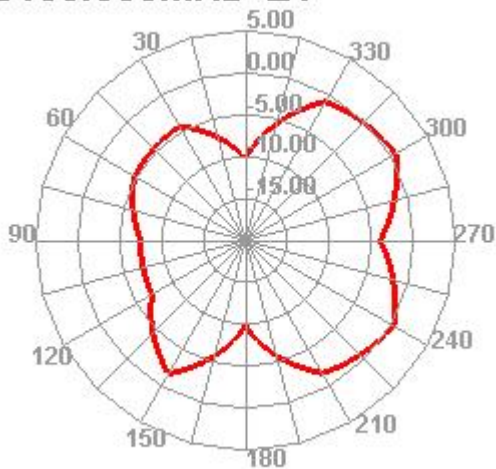
5150.000MHz



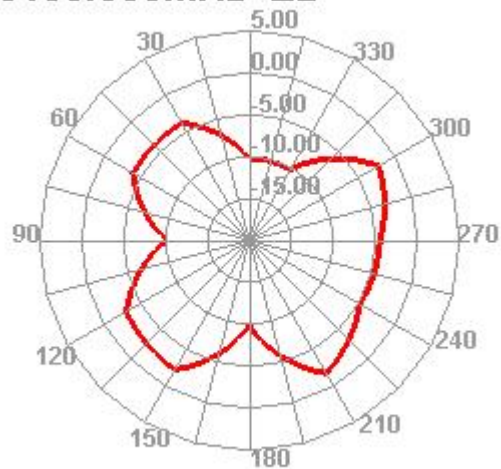
5150.000MHz H



5150.000MHz E1



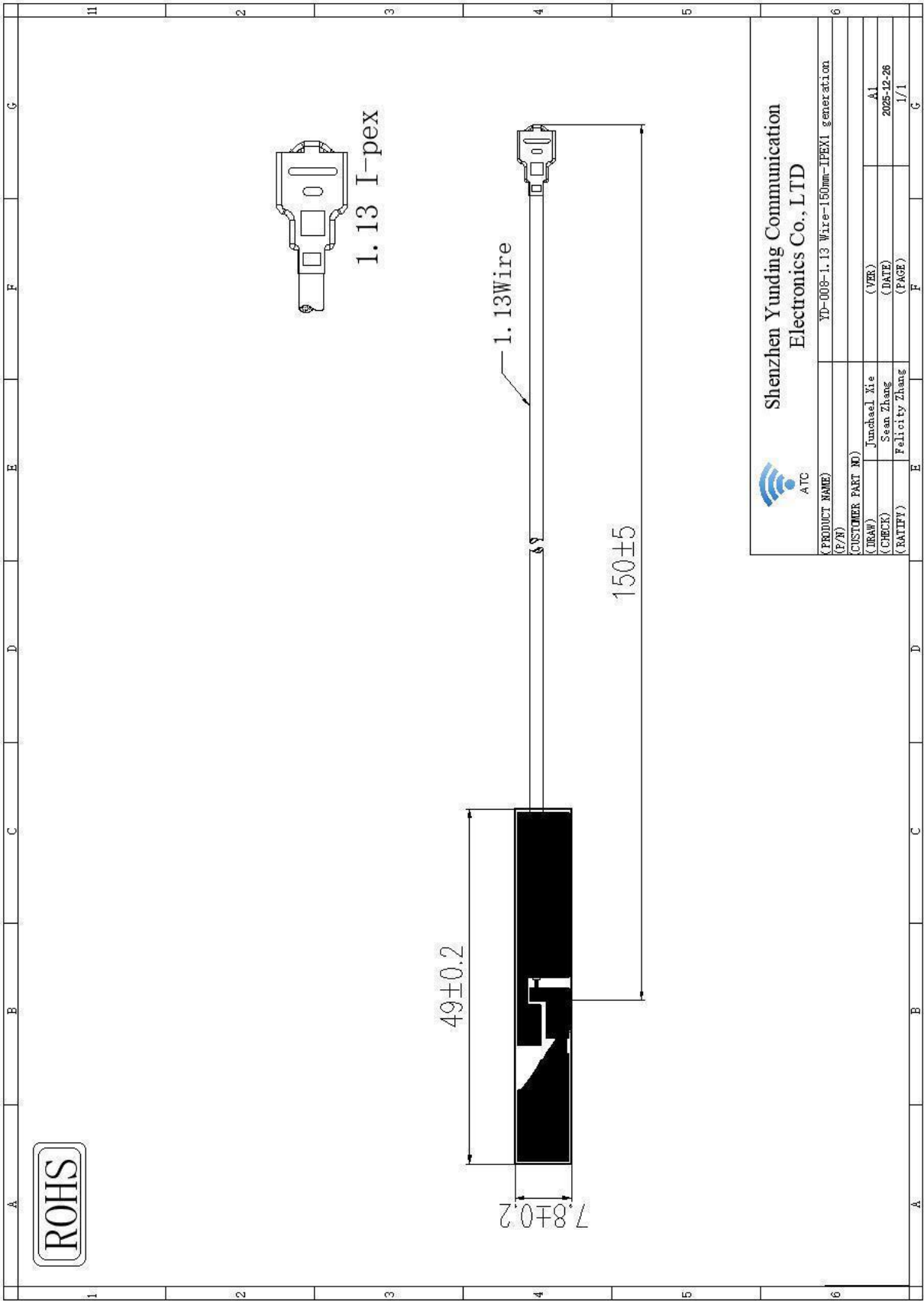
5150.000MHz E2



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4.Antenna structure diagram:



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Technical parameters of electrical appliances

Electrical Specifications

Frequency Range	2400~2500/5150~5850MHz
VSWR	≤ 2.0
Input Impedance	50 Ω
Gain	2.8 DBI

Mechanical Specifications

Antenna color	Black
Input connector	IPEX 1
Antenna length	150mm
Working Temperature	-40℃~+85℃
Working Humidity	20~80%