

Shenzhen Yunding Communication Electronics Co., LTD

TEL: +86 0755-23073599

FAX: +86 0755-23097189

E-mail:wht0809@163.com

APPROVAL SHEET

CUSTOMER: Ningbo Moyi Artificial intelligence Technology Co., Ltd

DESCRIPTION: PFC(YD-P15-2.4-5.8G)-1.13 Cable-L250MM-RF Gen 1

PART NO.: YD-C03-1459

CUS PART NO.:

D A T E: 2026-3-6

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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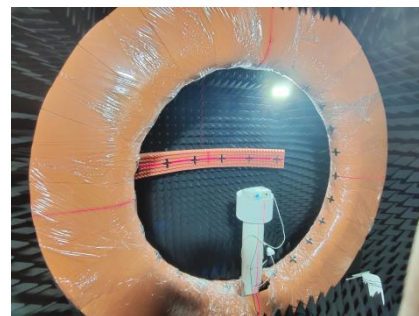
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1.Test items and equipment

	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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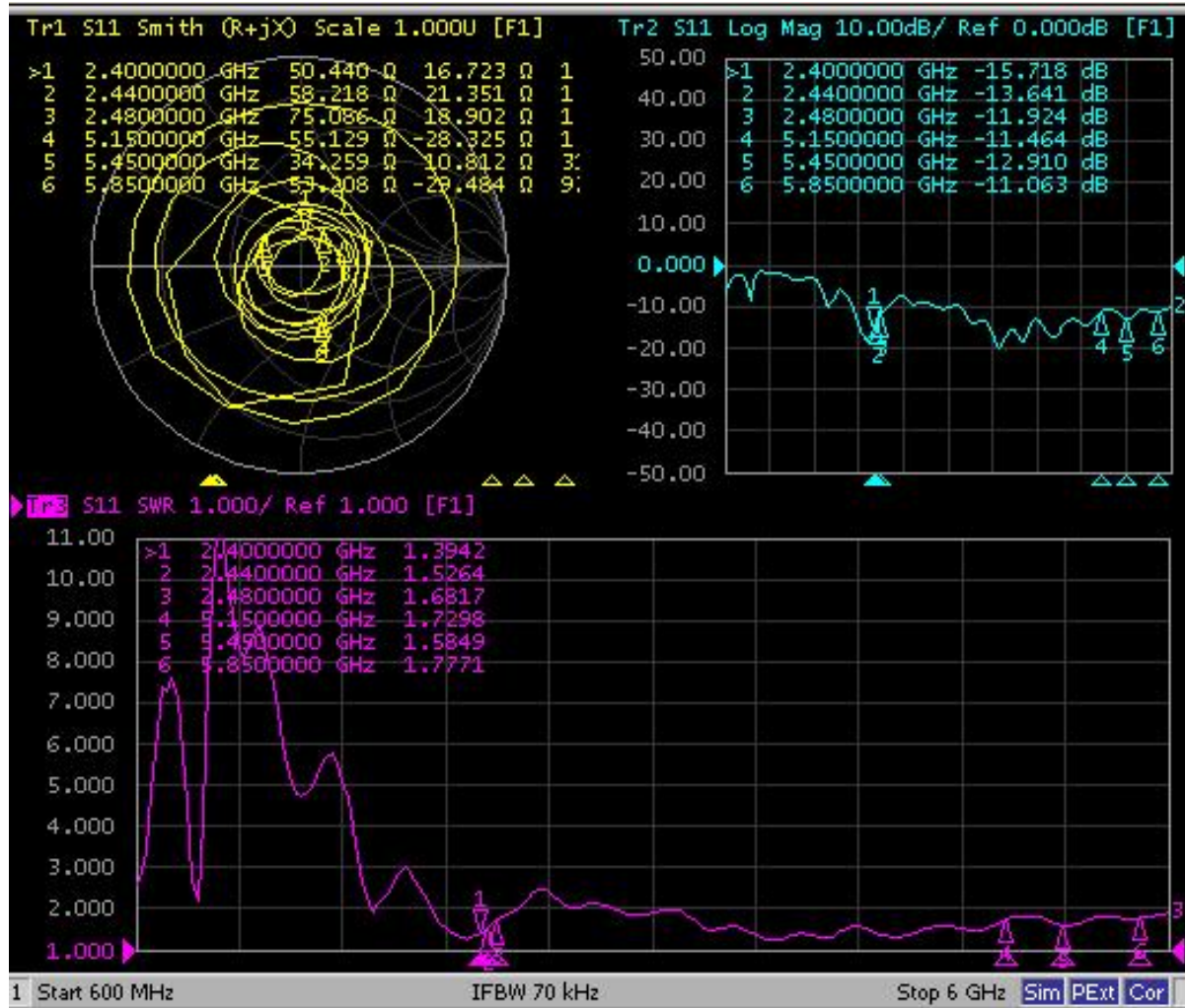
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2. Antenna performance

SWR



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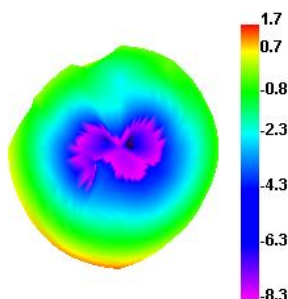
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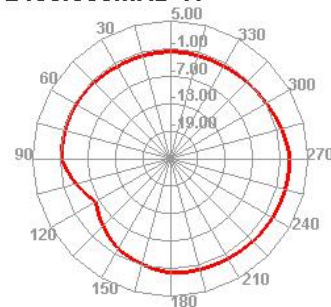
3.Antenna efficiency and gain

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	56.42	1.66
2410	55.2	1.5
2420	54.15	1.34
2430	54.59	1.28
2440	57.49	1.36
2450	60.28	1.57
2460	61.46	1.52
2470	60.97	1.51
2480	62.78	1.83
2490	63.93	2.02
2500	61.14	1.93

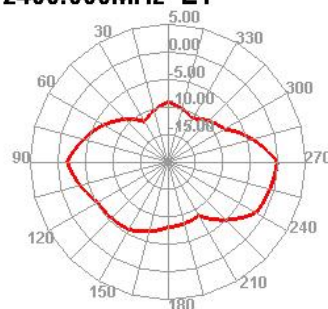
2400.000MHz



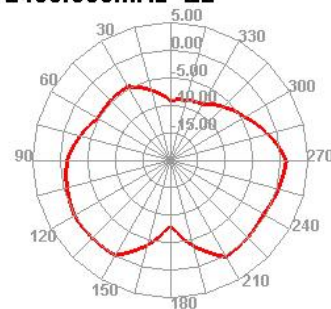
2400.000MHz H



2400.000MHz E1

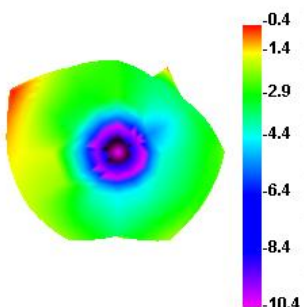


2400.000MHz E2

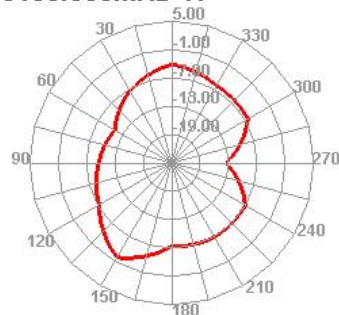


Passive Test For WIFI5.8		
Freq	Effi	Gain
5150	40.92	-0.43
5200	43.94	-1.47
5250	42.01	-1.76
5300	43.77	-0.02
5350	41.48	1.11
5400	47.84	1.88
5450	43.85	1.74
5500	45.39	2.22
5550	45.78	1.48
5600	44.91	1.77
5650	49.65	2.4
5700	47.27	2.05
5750	46.38	3.05
5800	44.5	3.88
5850	45.67	3.76

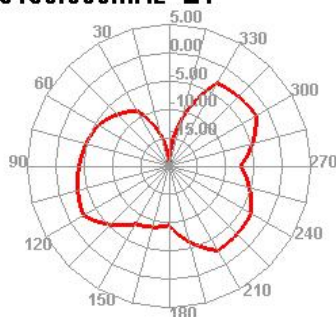
5150.000MHz



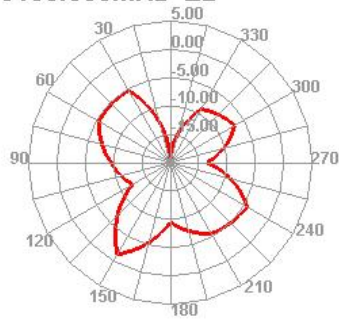
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



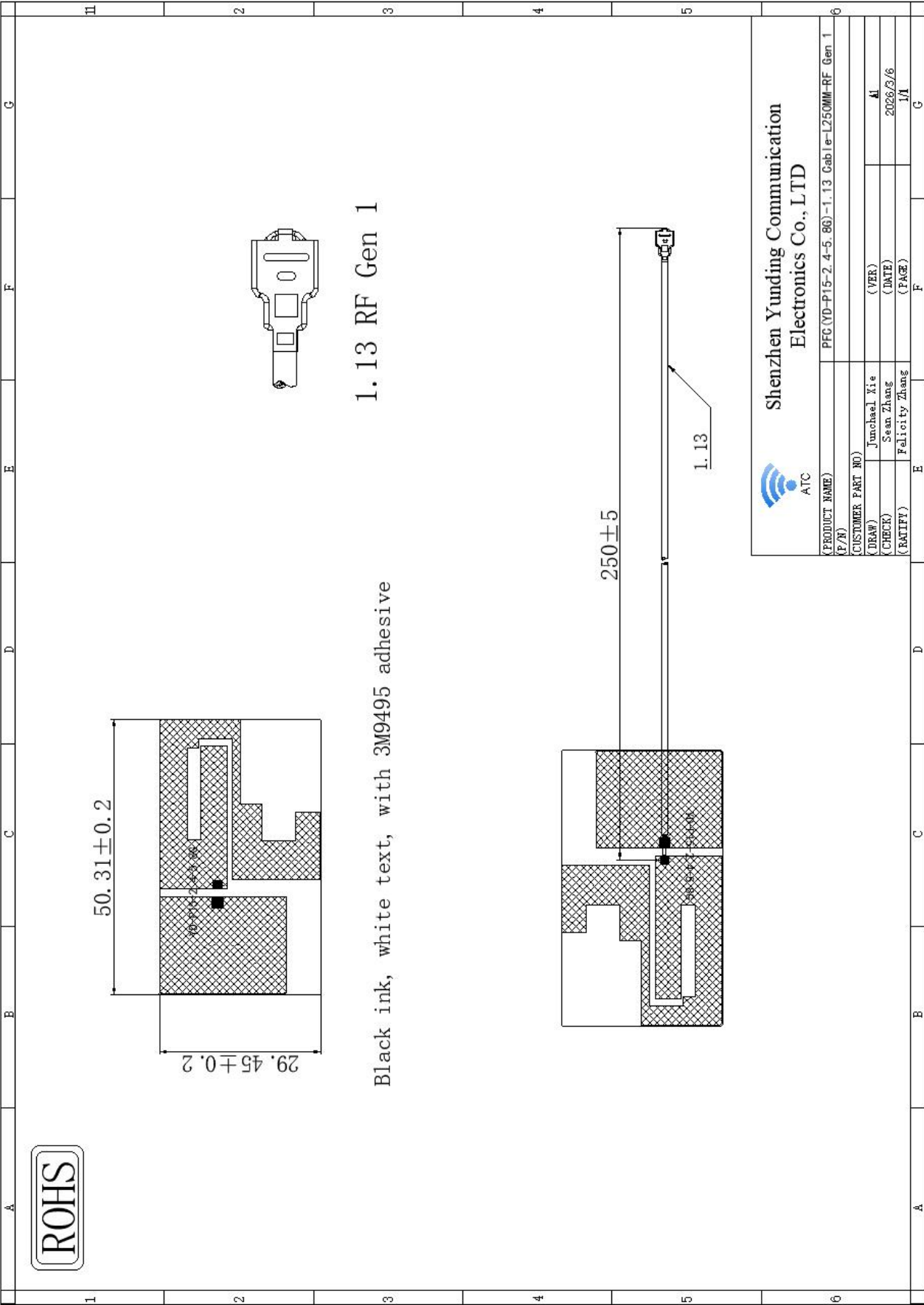
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4.Antenna structure diagram:



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Technical parameters of electrical appliances

Electrical Specifications

Frequency Range	2400~2500/5150~5850 MHz
VSWR	≤ 2.0
Input Impedance	50 Ω
Maximum gain	3.88 DBI

Mechanical Specifications

Wire Color	Black
Input connector	RF Gen 1
Wire length	250 MM
Working Temperature	-40℃~+85℃
Working Humidity	20~80%