

Shenzhen Yunding Communication Electronics Co., LTD

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FAX: +86 0755-23097189

E-mail:wht0809@163.com

APPROVAL SHEET

CUSTOMER: Ningbo Moyi Artificial intelligence Technology Co., Ltd

DESCRIPTION: PCB(YD-008)-Bluetooth-1.13 Cable-L250MM-RF Gen 1

PART NO.: YD-C03-1460

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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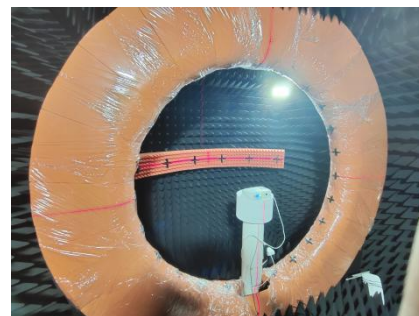
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1.Test items and equipment

	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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2. Antenna performance

SWR



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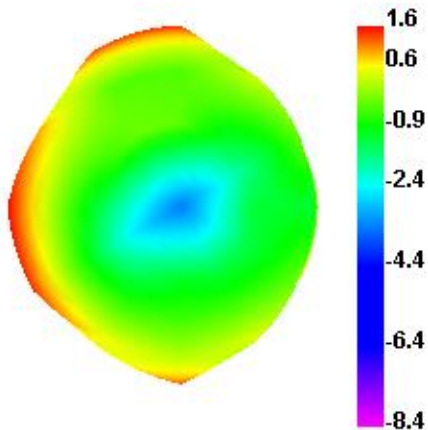
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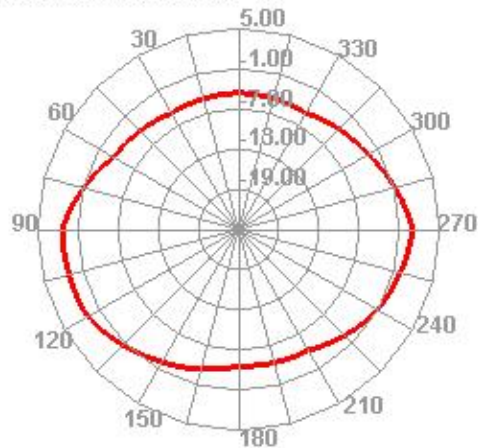
3. Antenna efficiency and gain

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	54.09	1.59
2410	52.74	1.28
2420	52.07	1.11
2430	52.24	1.03
2440	54.47	1.07
2450	56.14	1.2
2460	57.45	1.28
2470	55.27	1.09
2480	56.33	1.09
2490	55.11	0.91
2500	52.32	0.58

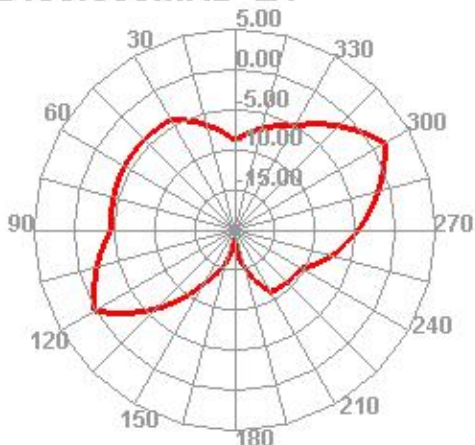
2400.000MHz



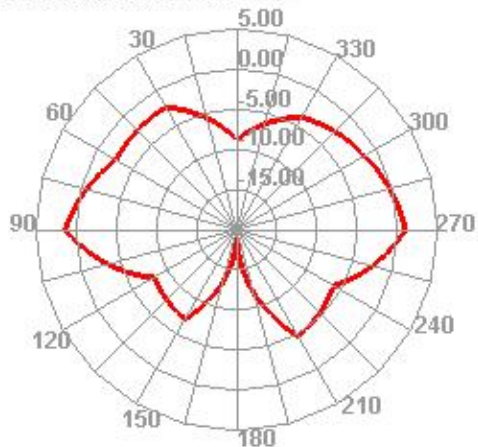
2400.000MHz H



2400.000MHz E1



2400.000MHz E2



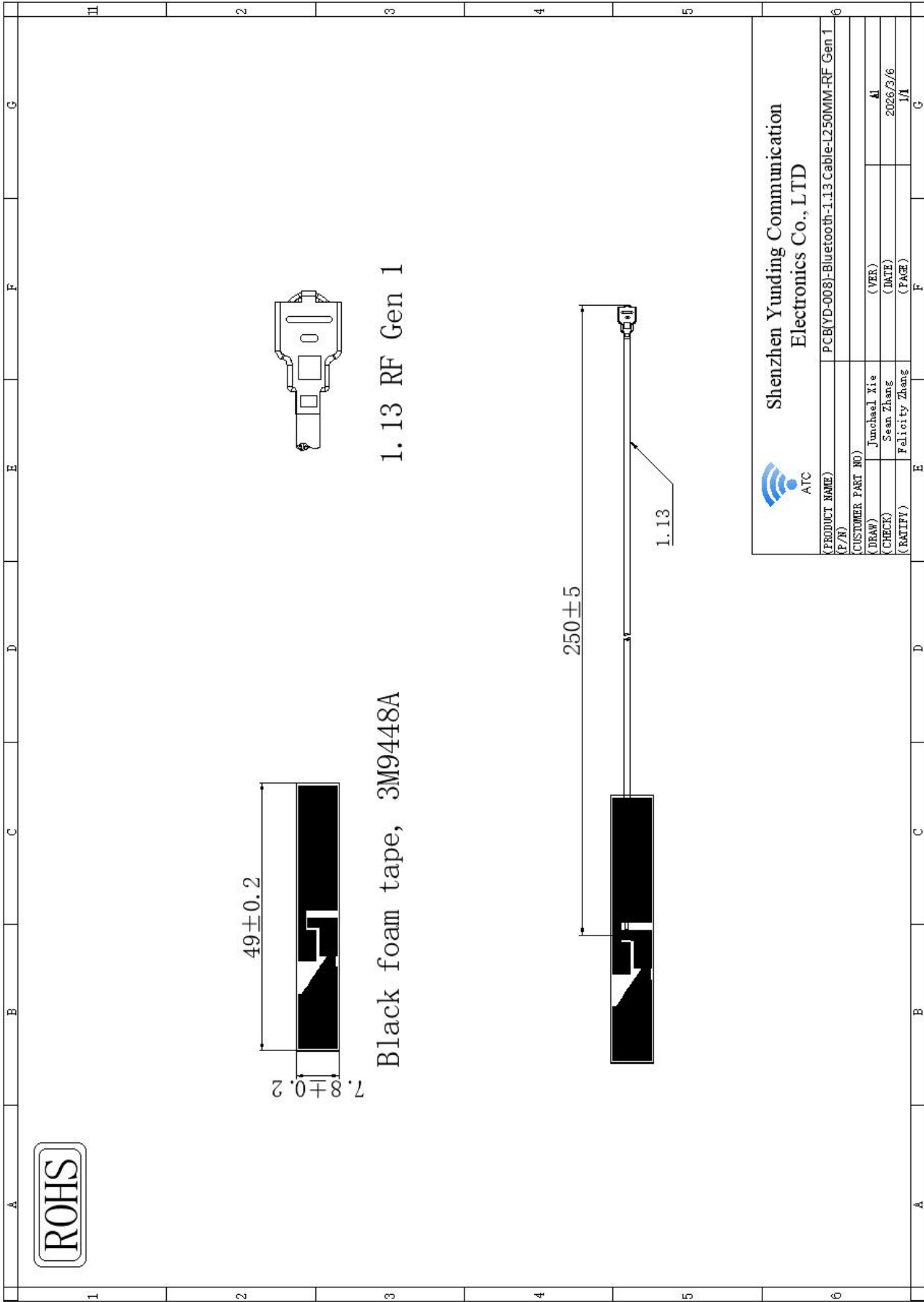
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4.Antenna structure diagram:



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Technical parameters of electrical appliances

Electrical Specifications

Frequency Range	2400~2500 MHz
VSWR	≤ 2.0
Input Impedance	50 Ω
Maximum gain	1.59 DBI

Mechanical Specifications

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