

Shenzhen Yunding Communication Electronics Co., LTD

TEL: +86 0755-23073599

FAX: +86 0755-23097189

E-mail:wht0809@163.com

APPROVAL SHEET

CUSTOMER:

DESCRIPTION: 2.4/5.8G Small 5dB Antenna - L136MM - SMA Right-Angle Male Plug
with 7.2mm Pin

PART NO.: YD-C01-0051

CUS PART NO.: 303305000079

D A T E: 2026-1-12

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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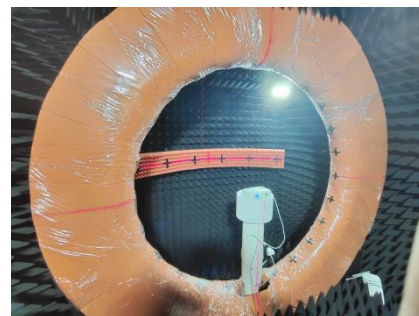
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1.Test items and equipment

	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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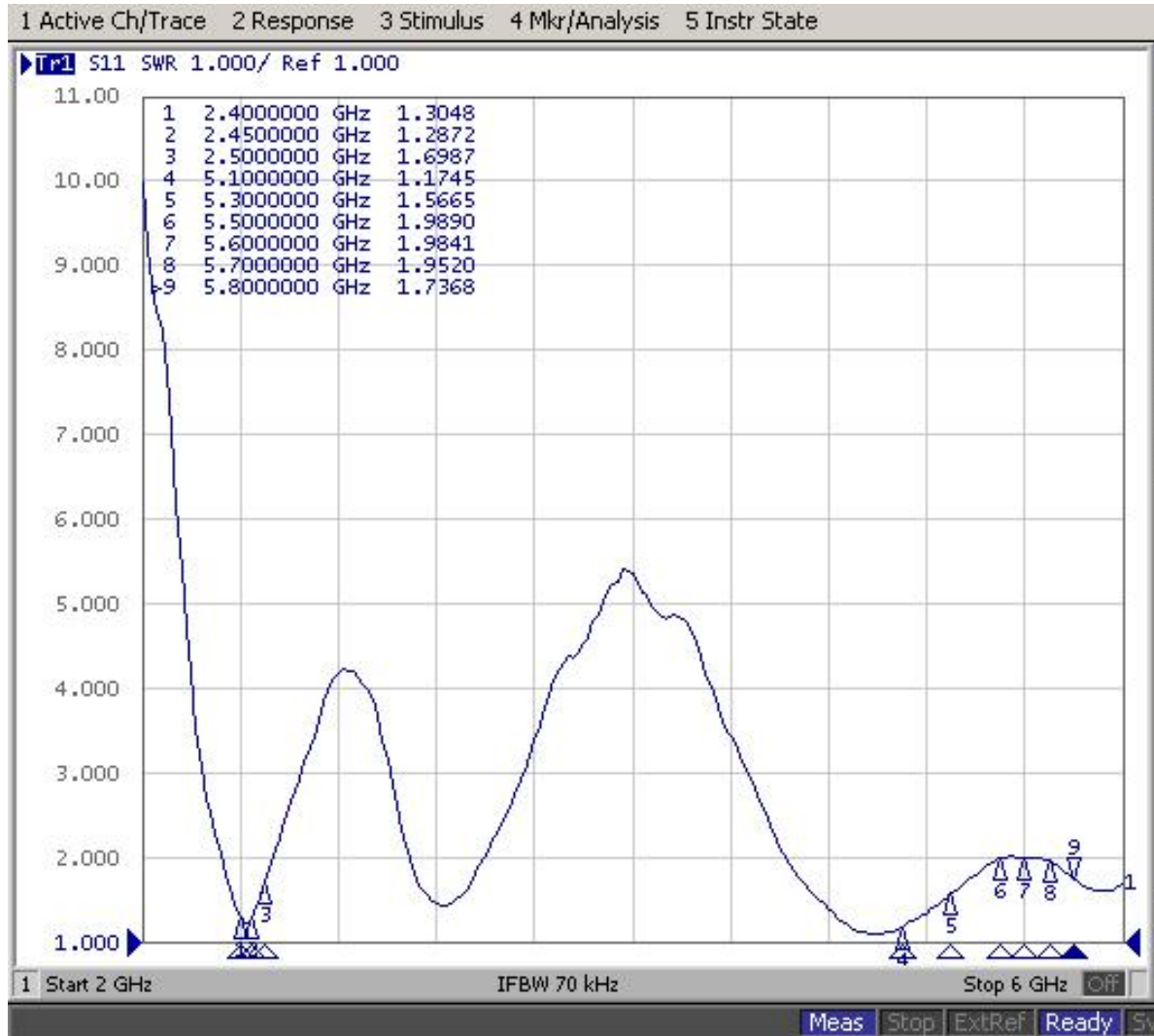
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2. Antenna performance

SWR



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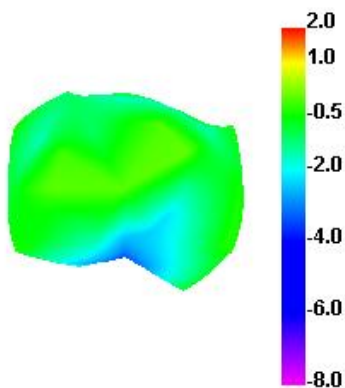
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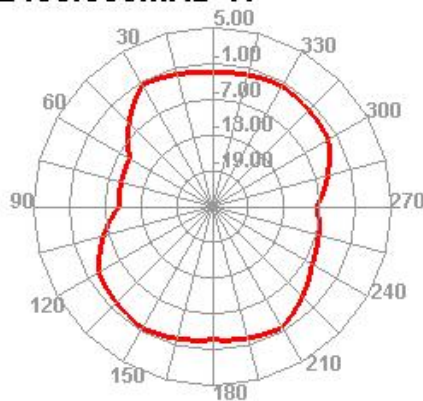
3. Antenna efficiency and gain

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	56.46	2.01
2410	55.87	1.89
2420	49.66	1.46
2430	50.21	1.55
2440	51.61	1.73
2450	54.55	2.03
2460	53.47	1.81
2470	57.09	1.87
2480	55.27	1.64
2490	57.06	1.72
2500	60.99	2

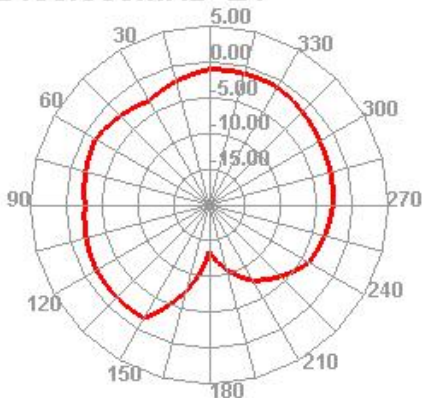
2400.000MHz



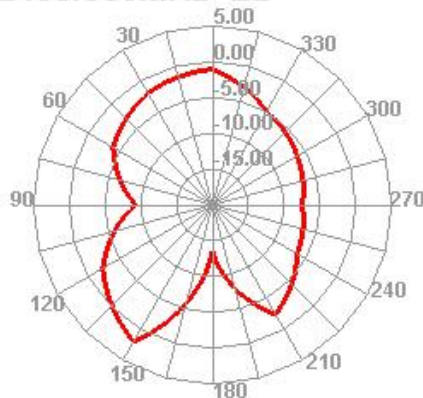
2400.000MHz H



2400.000MHz E1



2400.000MHz E2



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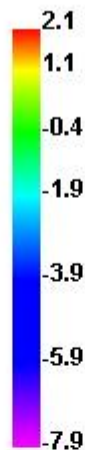
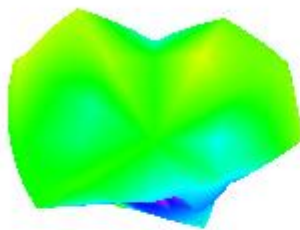
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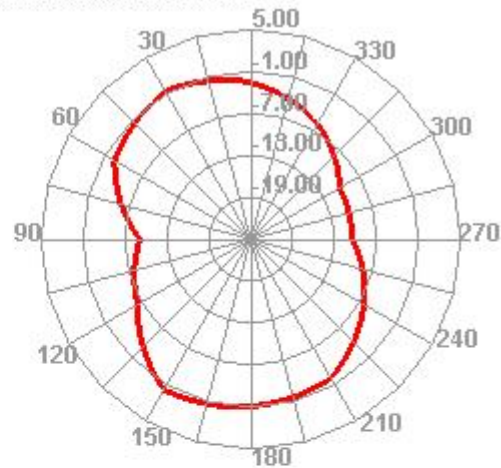
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Passive Test For WIFI5.8		
Freq (MHz)	Effi (%)	Gain (dBi)
5150	48.05	1.05
5250	50.73	1.54
5350	53.14	1.66
5450	63.4	3.09
5550	61.58	3
5650	58.38	2.71
5750	55.19	2.38
5850	64.3	2.15

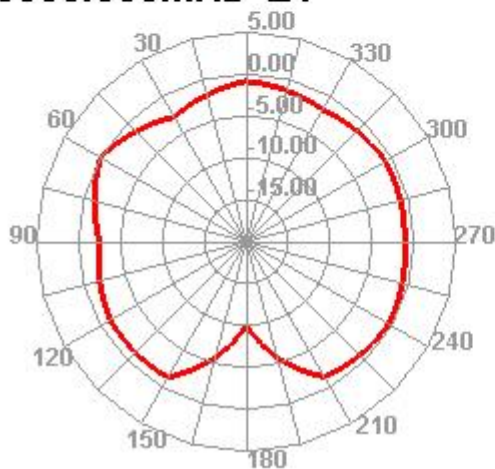
5850.000MHz



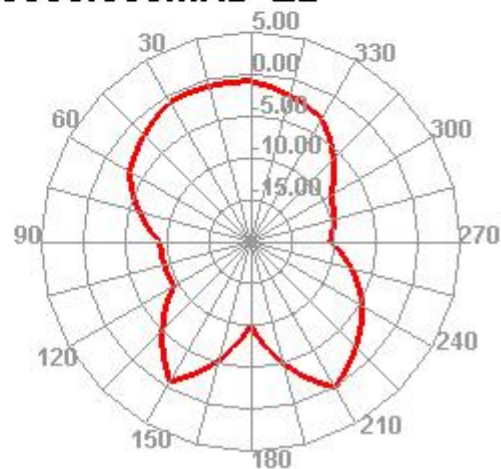
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



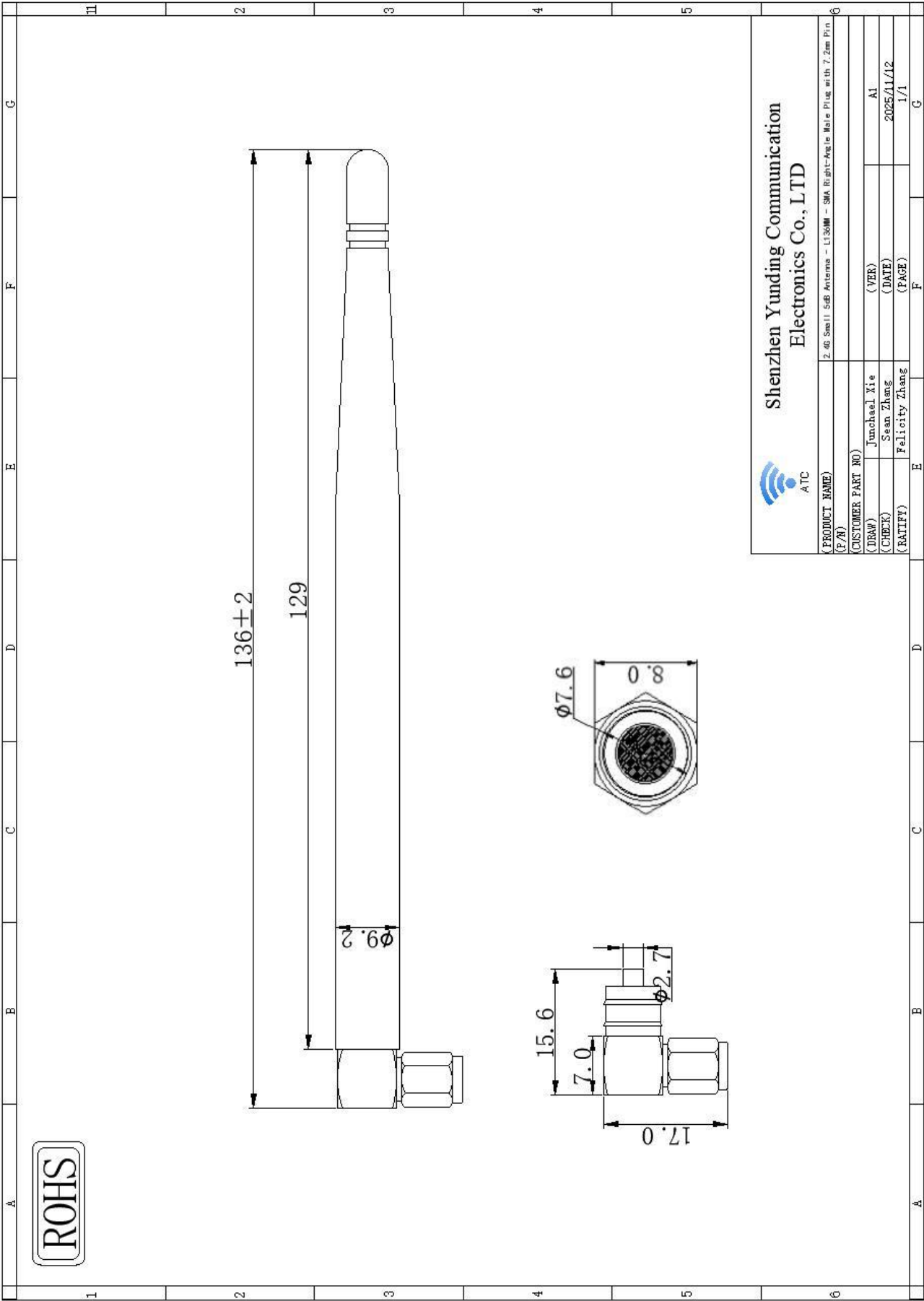
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4. Antenna structure diagram:



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Technical parameters of electrical appliances

Electrical Specifications

Frequency Range	2400~2500 /5150~5850 MHz
VSWR	≤ 2.0
Input Impedance	50 Ω
Gain	3.09 DBI

Mechanical Specifications

Antenna color	Black
Input connector	SMA
Antenna length	136 MM
Working Temperature	-40℃~+85℃
Working Humidity	20~80%