

Shenzhen Yunding Communication Electronics Co., LTD

TEL: +86 0755-23073599

FAX: +86 0755-23097189

E-mail:wht0809@163.com

APPROVAL SHEET

CUSTOMER: **Shenzhen Zecre Technology CO.,Ltd**

DESCRIPTION: **YD-960T-2.4G-1.13-L100MM-OPEN**

PART NO.: **YD-C03-0752**

CUS PART NO.:

D A T E: **2025-4-25**

Yunding signature

ENGINEERING DEPARTMENT	Q C DEPARTMENT	SALES DEPARTMENT
YLCHE	zhanglin Cai	Rui Deng

Customer signature

ENGINEERING DEPARTMENT	Q C DEPARTMENT	PURCHASING DEPARTMENT

TEL: 0755 23073599

✘ Approval in duplicate, please signed by your company.

Address :2015 2nd Floor, No. 4 Sanyuan South Road, Bao'an District, Shenzhen City, Guangdong Province



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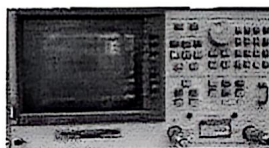
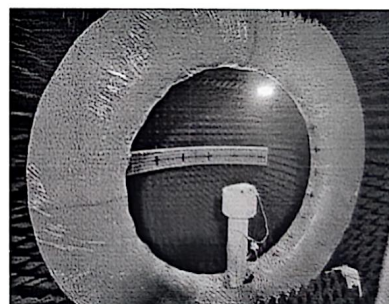
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1.Test items and equipment

	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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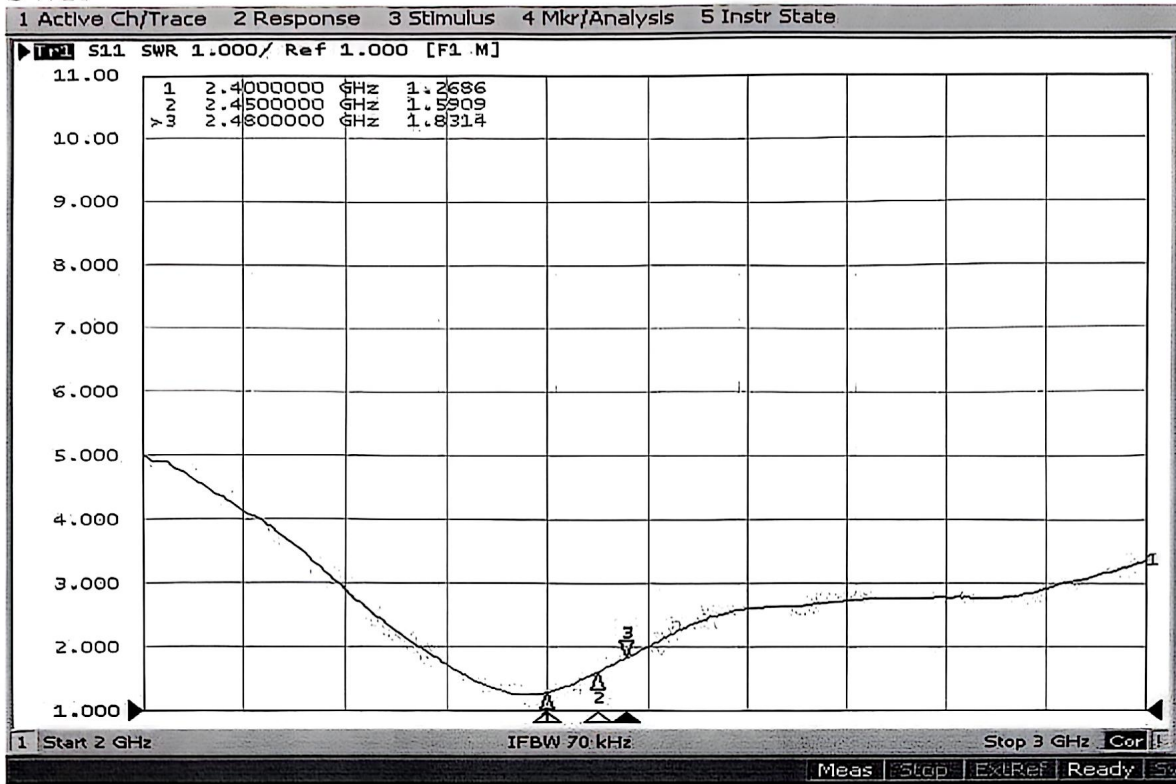
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2. Antenna performance

SWR



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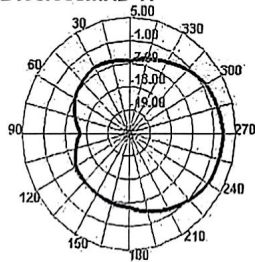
3. Antenna efficiency and gain

Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	66.17	3.76
2410	64.75	3.59
2420	61.65	3.34
2430	60.77	3.35
2440	62.63	3.57
2450	64.44	3.73
2460	65.52	3.93
2470	63.72	3.84
2480	64.28	3.85
2490	63.8	3.82
2500	58.76	3.44

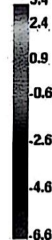
2490.000MHz



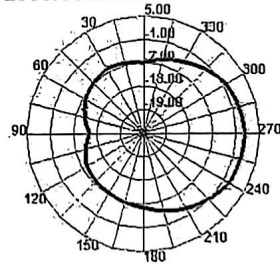
2490.000MHz H



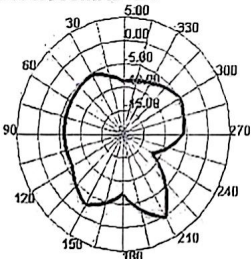
2500.000MHz



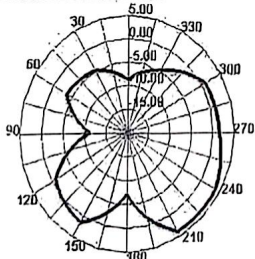
2500.000MHz H



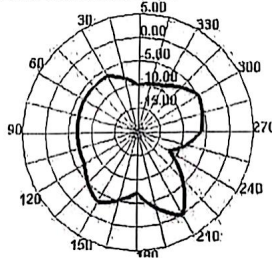
2490.000MHz E1



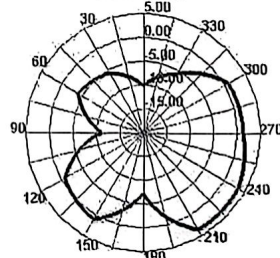
2490.000MHz E2



2500.000MHz E1



2500.000MHz E2



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Technical parameters of electrical appliances

Electrical Specifications

Frequency Range	2400~2500MHz
VSWR	≤ 2.0
Input Impedance	50 Ω
Gain	4 DBI

Mechanical Specifications

Antenna color	Black
Input connector	OPEN
Antenna length	100mm
Working Temperature	-40°C~+85°C
Working Humidity	20~80%



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Environment performance test:

Project	Test condition	Test results
Storage environment	Test temperature, humidity, pressure without stated condition as follwings :1.Temperature: -30 °C ~ +80 °C ;2.Relative humidity: 45%-85%;3,Pressure: 86kpa-106kpa	Electrical and mechanical performance normal
High and low temperature test	Having 5 times cycle between -40°C to 70°C,Then in common condition 1-2 hours test exterior quality.	Measurement satisfied with electrical and mechanical performance normal.
Resistance constant hot and humid test	Relative humidity:95±3%,Test temperature: 40°C,last 2 hours ,put it after 5 min test the electrical function . Test products during common condition 1-2 hours ,Then test exterior quality.	Measurement satisfied with electrical and mechanical performance normal.
Vibration test	Vibrate Frequency:10-55HZ; Distance :0.35mm;Acceleration :50.0m/s;Sweep frequency cycle:30 times	Electrical and mechanical performance normal
Fall test	From 1 mheight fall down 3 times freely (vertical direction)	Electrical and mechanical performance normal

