

SPECIFICATION

for

Customer No.

Product No.

YX-JY-2.4G NVR-V1.0

Author: XiaofengZeng Review: Wenshihao

Release Date: 2025.03.17

ShenZhen yixin Electronic Technology Co., Ltd

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SHENZHEN YIXIN ELECTRONIC TECHNOLOGY CO., LTD	1
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1. Bilateral Confirmation page

1.1 Customer signature

Customer: Woan Technology (Shenzhen) Co., Ltd

Seapartment/post	Sign	Date
Hardware Engineer/RD		
Mechanical/MD		
Project Manager/PM		
Commercial/Puchasing		
Checker		

1.2 Signature of ShuoDian Technology company

Seapartment/post	Sign	Date
Antenna Engineer/RD		
Mechanical/MD		
Project Manager/PM		
QA		
Checker		

2. General

2.1 Scope of application

2400Mhz-5900Mhz

2.2 Operating temperature range

Temperature range of this product: -20 ~ +65 °C

2.3 Storage temperature range:

This product is stored at - 30 ~ + 75 °C

3. General product specifications

NO.	ITEMS	DETAILS
1	Type	2.4G gateway
2	Operating Frequency Band	2400-5900MHz
3	VSWR	≤2.5
4	Impedance	50Ω
5	Antenna Type	dipole
6	Entity Picture	

4. Specification Detials

4.1 Mechanical Properties

4.11 Product Composition:

serial number	material	specifications (MM)
1	FPC	Φ 46. 5*14. 2MM
2	coaxial-line	Ø1.13 100MM black

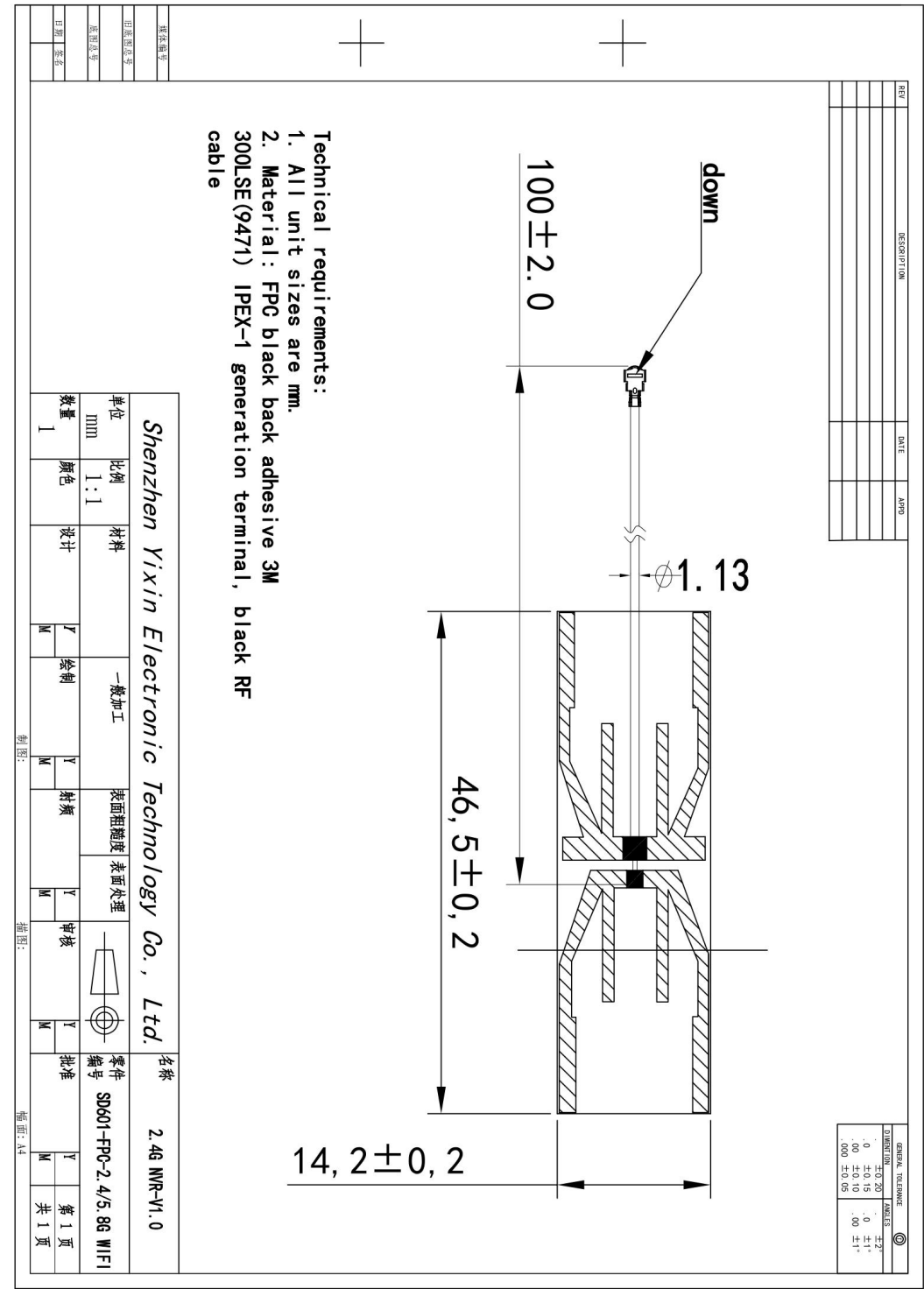
4.12 Apperance

Good appearance without scars 、dirts、protuberances, etc.

4.13 Antenna Picture and Structure Dimension

Refer to product drawings:

Product drawings:



4.2 Electric Performance

4.21 Test condition

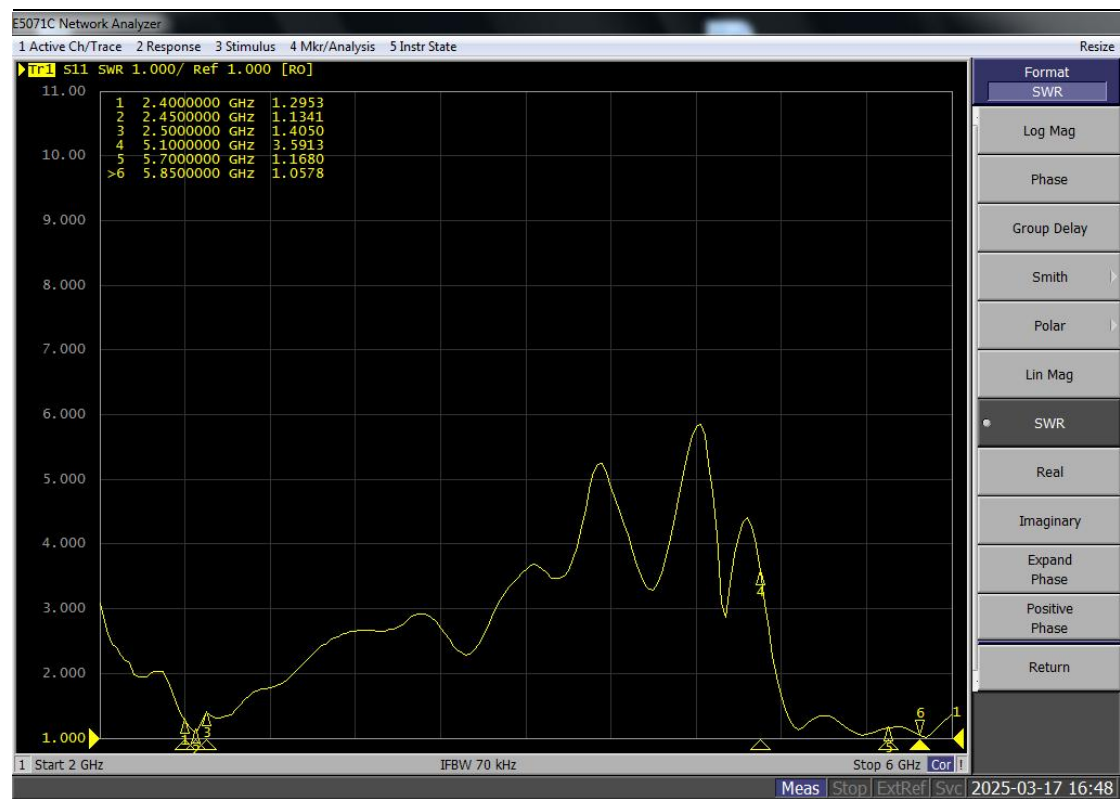
Environment:	Equipment:
Temperature: 10℃——+30℃	Network Analyzer: Agilent E8358A
Humidity: ≤80% (+40℃)	Anechior Chamber: ETS
Atmospher: 750mmkg±30mmkg	

4.22 Test Data for Electrical Performance:

4.22.1 S11 of the Antenna:

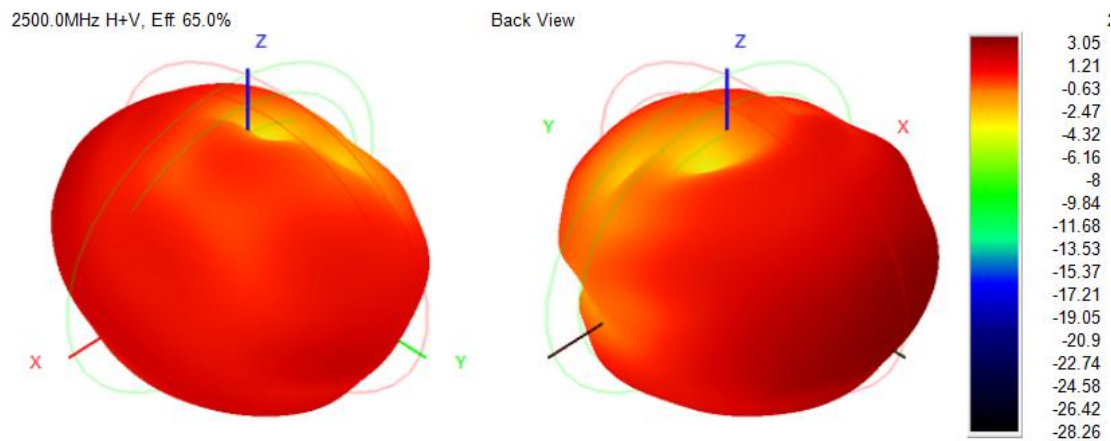
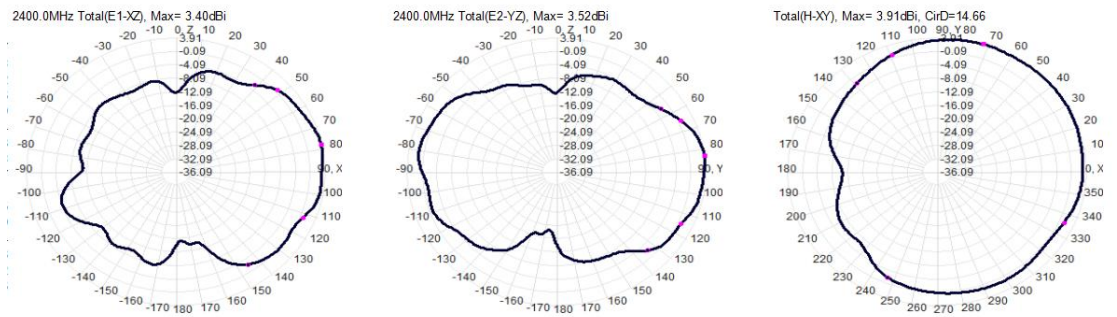
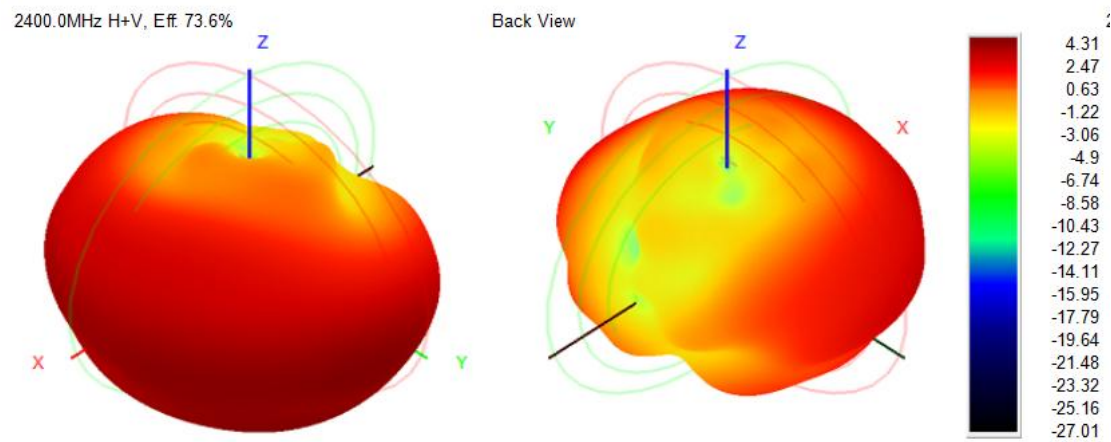
Marker (MHz)	2400	2500	5100	5700Hz	5850
Returnloss	-18.02	-15.39	-4.95	-21.89	-32.73
VSWR	1.29	1.40	3.59	1.16	1.05

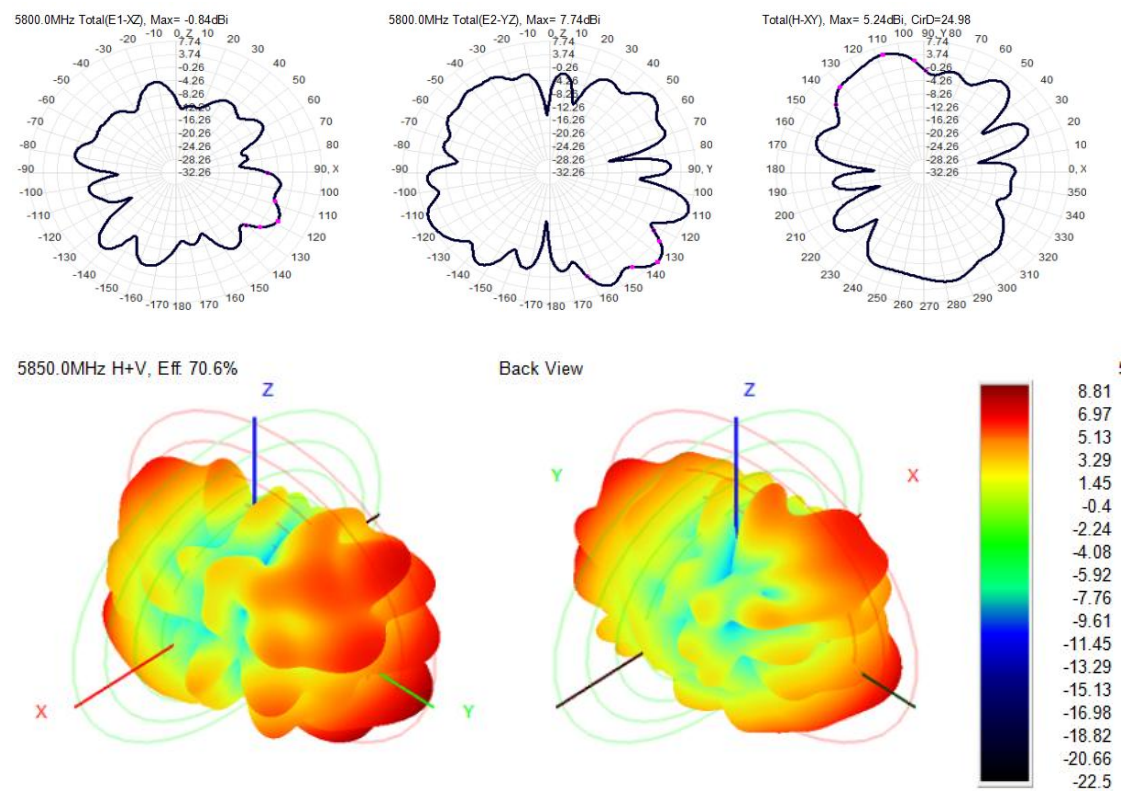
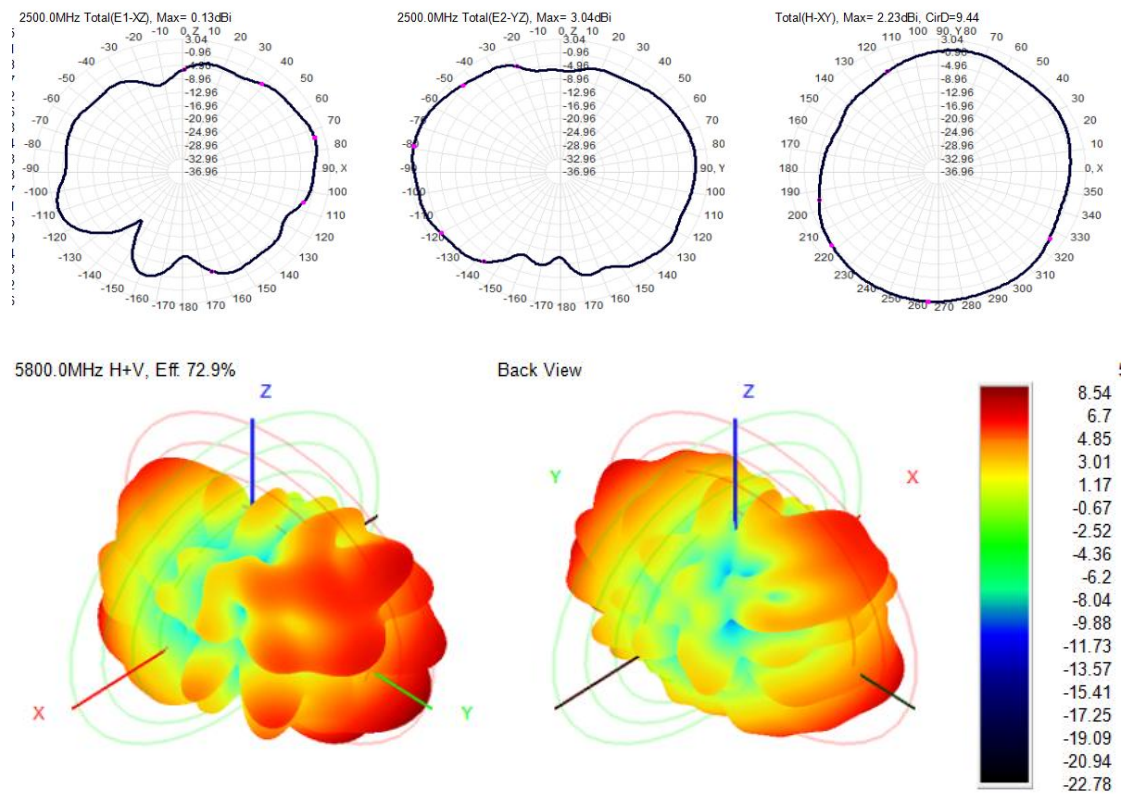


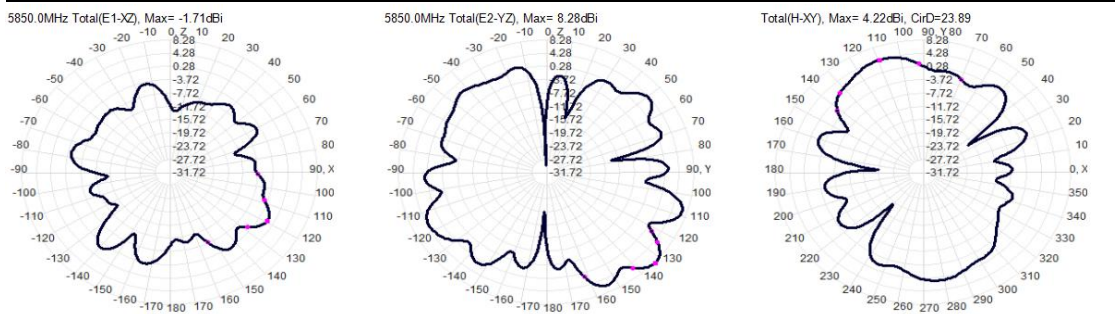


频率 (MHz)	Gain (dBi)	Efficiency (%)
2400	4.31	73.59
2450	4.40	73.73
2500	3.05	64.95
5100	6.07	50.94
5700	8.38	73.78
5850	8.81	70.63

4.22.3 Radiation pattern of antenna, frequency: 2400MHz







5. Product Packaging

Manner of packing:
Packed in self sealed bags, 50 pcs each.

6. Document Resume

Document No.	
Release Date	2025/03/17
Author	XiofengZeng
Review	WH

Revised History

Date	Version	Revised Record
2025/03/17	1.00	New Project