

SPECIFICATION

for

Customer No.

Product No.

YX-ALK-2.4 对讲机-V2.0

Author: XiaofengZeng Review: Wenshihao

Release Date: 2025.4.15

ShenZhen yixin Electronic Technology Co., Ltd

**No.201, Building No.2, Nantai Yunchuang Valley, Feng Huang Street,
Guangming District, Shenz City
E-mail: 1791995010@qq.com
Tel: 17898458992**

Contents

SPECIFICATION	1
SHENZHEN YIXIN ELECTRONIC TECHNOLOGY CO., LTD	1
CONTENTS	2
1. BILATERAL CONFIRMATION PAGE	3
2. GENERAL	4
3. GENERAL PRODUCT SPECIFICATIONS	4
4. SPECIFICATION DETIALS	5
4.1 MECHANICAL PROPERTIES	5
4.2 ELECTRIC PERFORMANCE	7
5. PRODUCT PACKAGING	8
6. DOCUMENT RESUME	11

1. Bilateral Confirmation page

1.1 Customer signature

Customer:

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

1.2 Signature of YIXIN Technology company

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

2. General

2.1 Scope of application

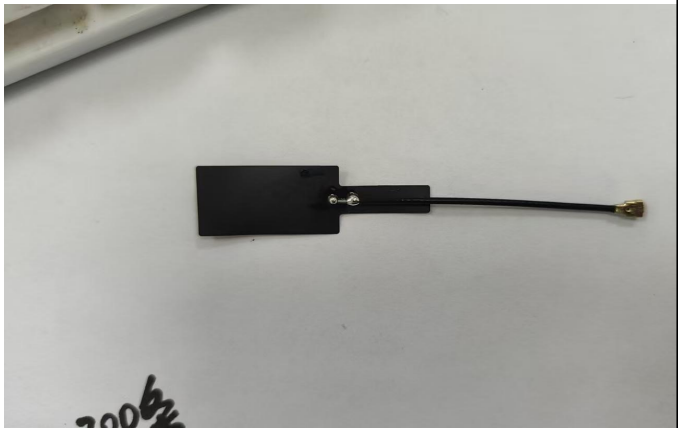
2.2 Operating temperature range

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 walkie-talkie
2	Operating Frequency Band	2400-2500MHz
3	VSWR	≤ 2.0
4	Impedance	50Ω
5	Antenna type	monopole
6	Antenna implementation form	FPC
7	Entity Picture	

4. Specification Detials

4.1 Mechanical Properties

4.11 Product Composition:

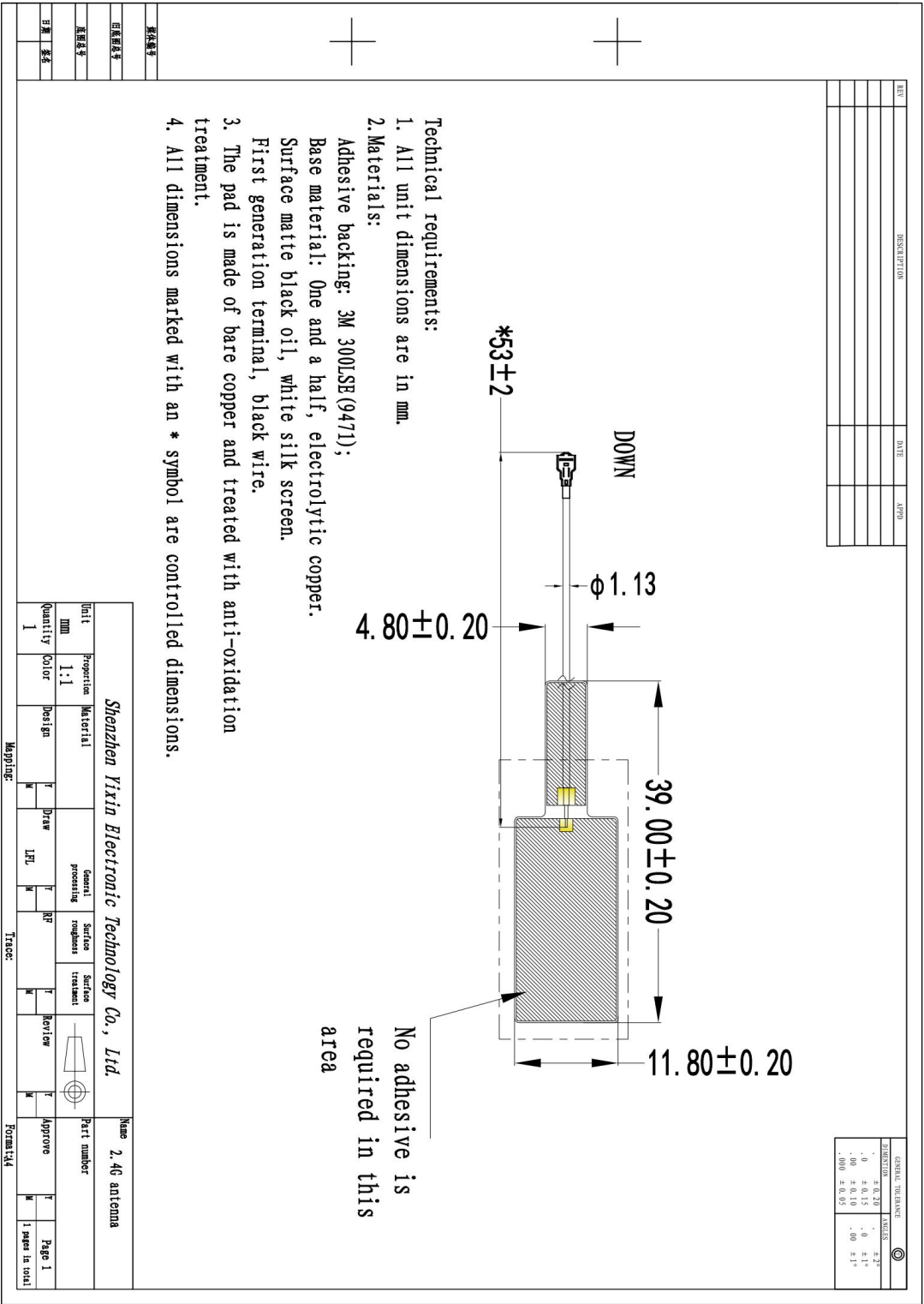
4.12 Apperance

Good appearance without scars 、dirts、protuberances, etc.

4.13 Antenna Picture and Structure Dimension

Refer to product drawings:

Product drawings:



4.2 Electric Performance

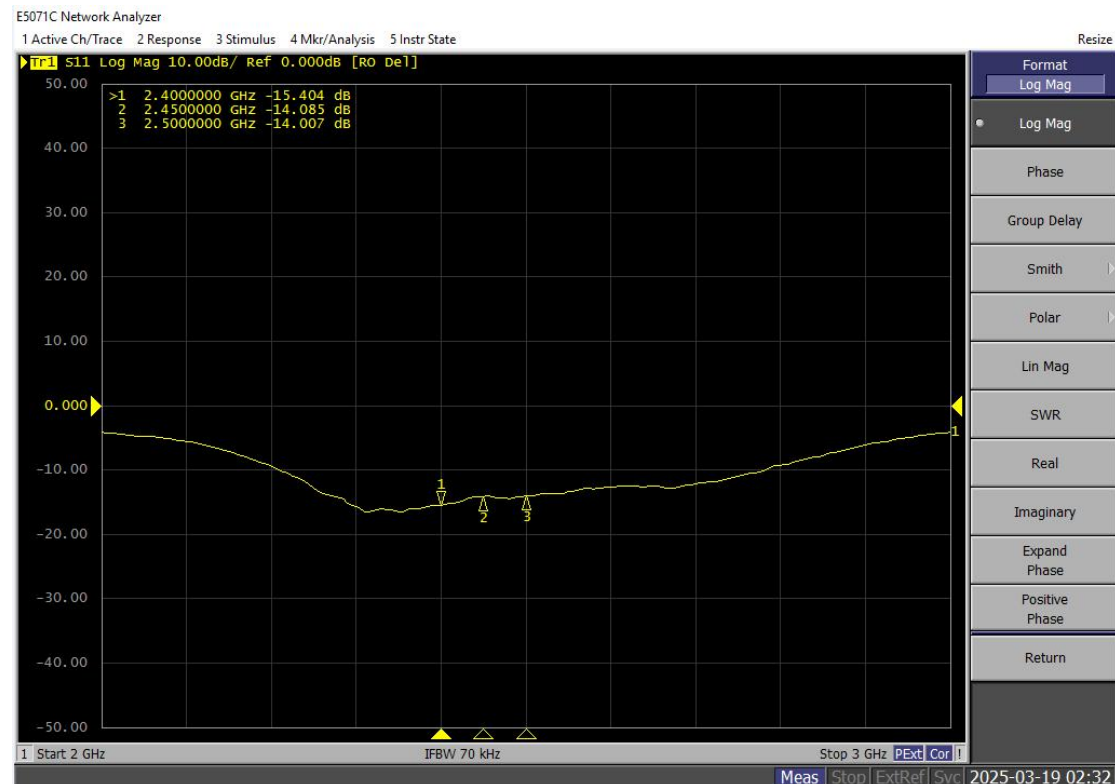
4.21 Test condition

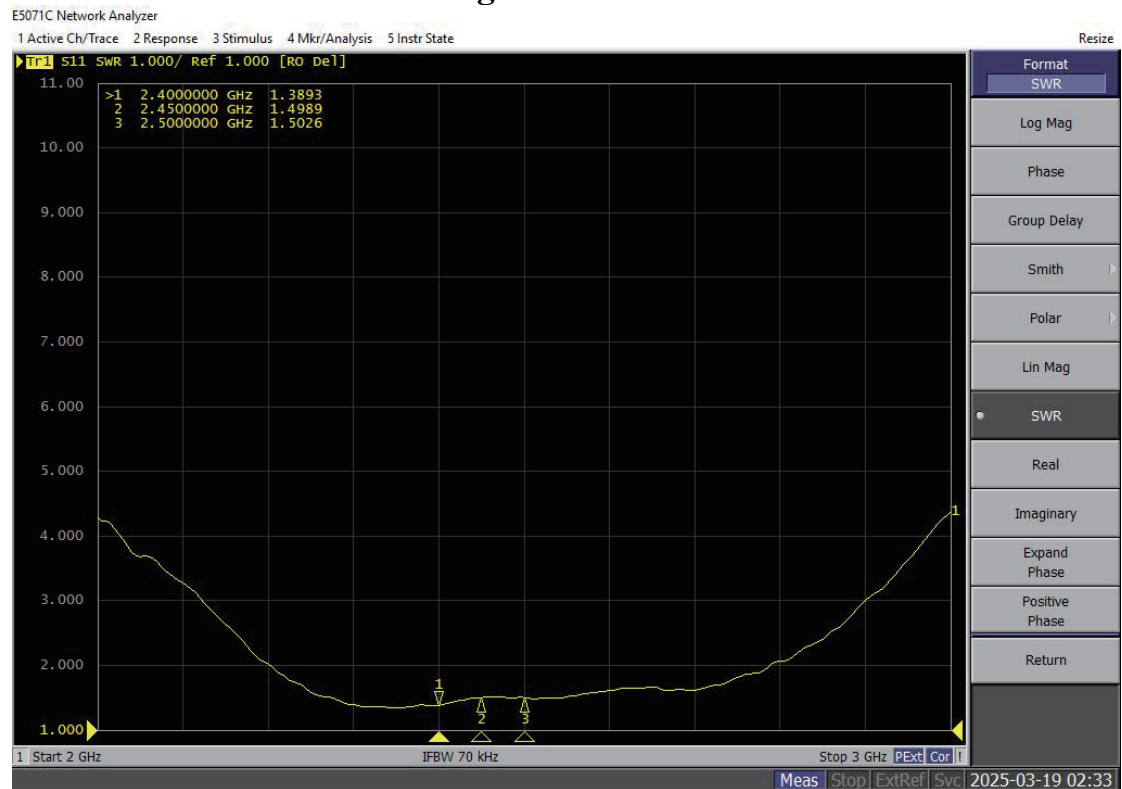
Environment:	Equipment:
Temperature: 10℃——+30℃	Network Analyzer: Agilent E8358A
Humidity: ≤80% (+40℃)	Anechior Chamber: ETS
Atmospher: 750mmkg±30mmkg	

4.22 Test Data for Electrical Performance:

Marker	2400MHz	2450MHz	2500MHz
Returnloss	1.38	1.49	1.50
VSWR	-15.40	-14.08	-14.00

4.22.1 S11 of the Antenna:



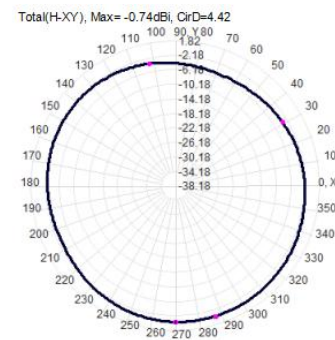
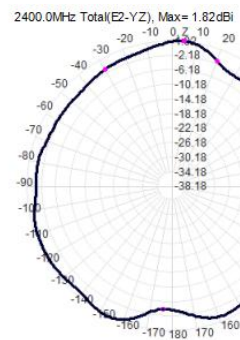
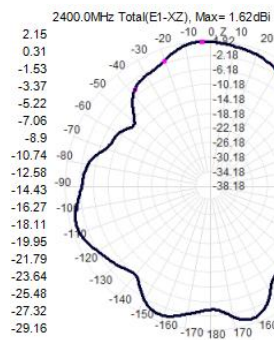
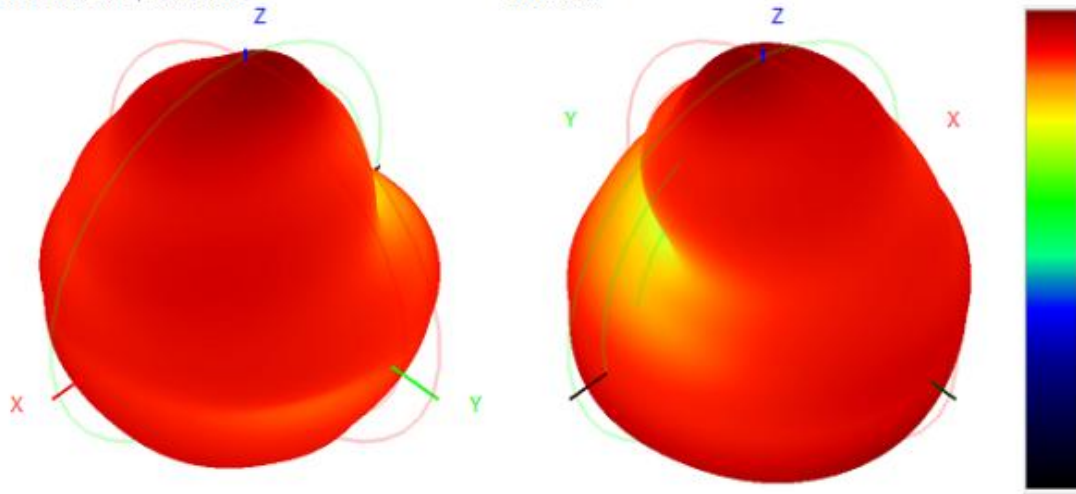


4.22.3 Radiation pattern of antenna

MHz	Gain (dBi)	Efficiency (%)
2400	2.15	62.51
2450	2.36	67.8

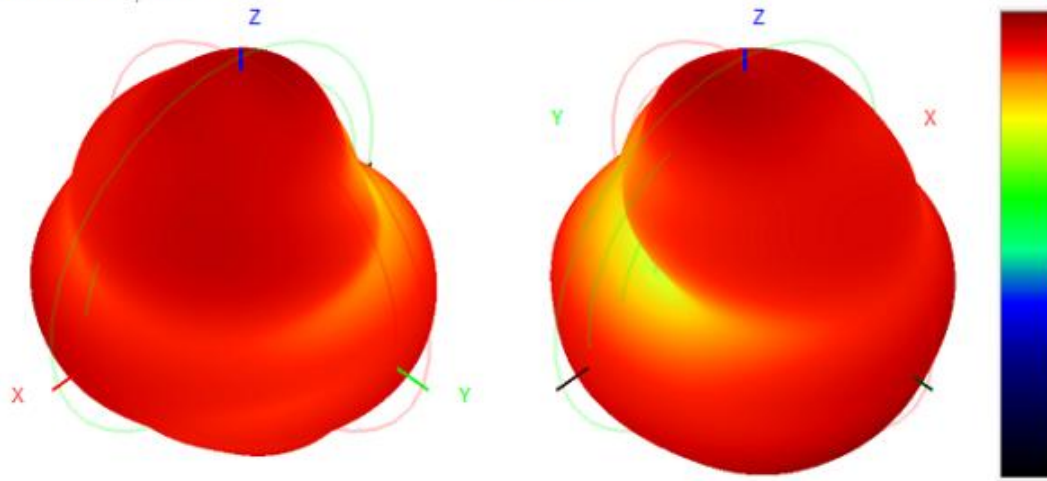
2400.0MHz H+V, Eff: 62.5%

Back View

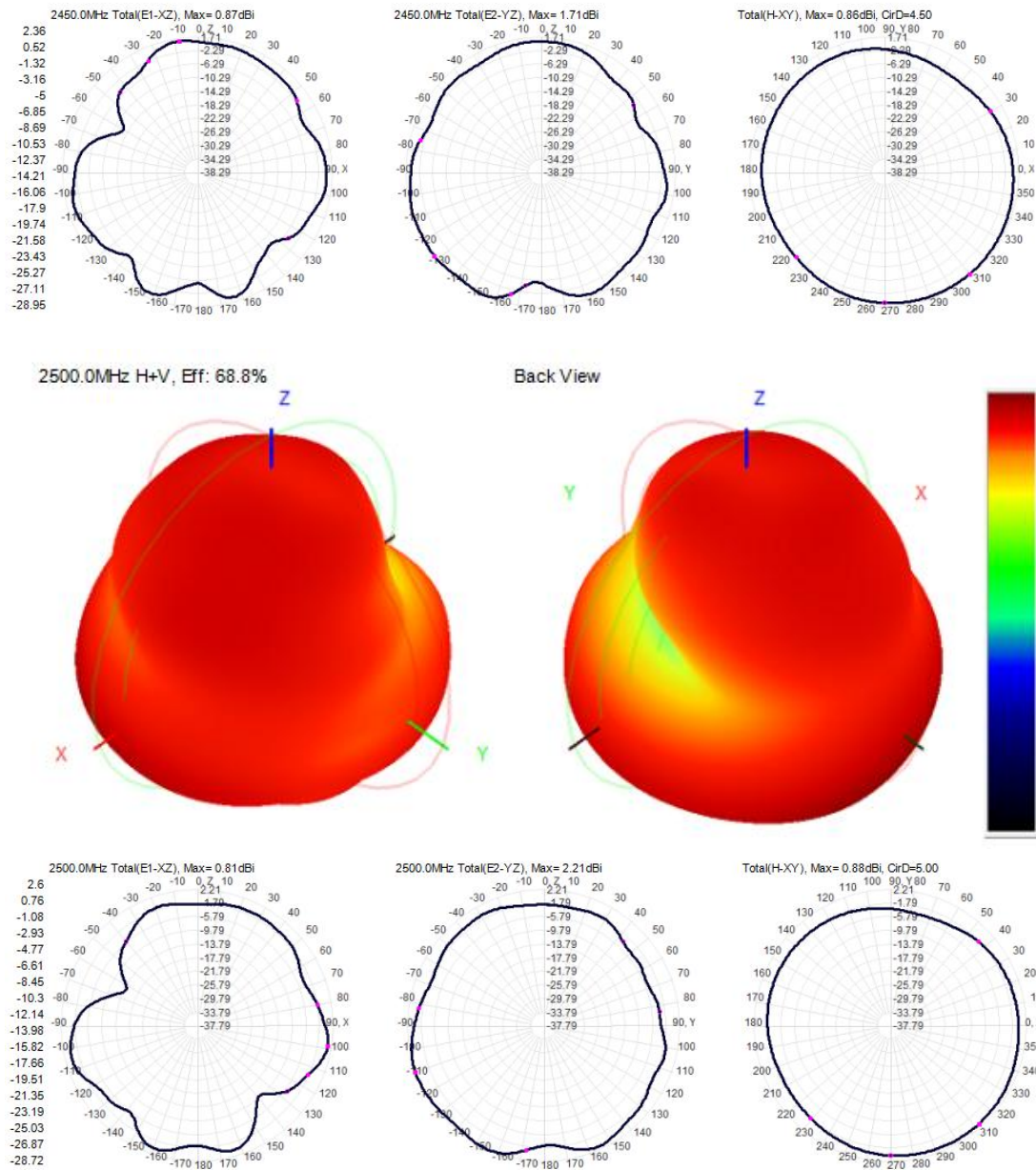


2450.0MHz H+V, Eff: 67.8%

Back View



Page number 10-10



5. Product Packaging

Manner of packing:

Packed in self sealed bags, 200 pcs each.

6. Document Resume

Document No.	
Release Date	2025/4/15
Author	XiofengZeng
Review	WH

Revised History

Date	Version	Revised Record
2025/4/15	1.00	New Project