

Shenzhen yixin Electronic Technology Co.,Ltd

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Specification book

for

P11 walkie-talkie

number

YX-XNY-P11 Walkie-Talkie-V1.0

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1. Confirmation by both parties

1.1 The customer confirms the signature

Clients:

Customer department/po sition	Signature of the confirmer	Confirm the date
Hardware/RF		
structure		
Project manager		
Commerce/Proc urement		
Audit		

1.2 Yixin Technology confirmed the signing

Department/Po sition	Signature of the confirmer	Confirm the date
Antenna Engineer		
Structural engineer		
Project manager		
QA		
Audit		

2. General matters

2.1 Scope of application

This datasheet applies only to P11 walkie-talkies

2.2 Use temperature range

The product is used in a temperature range of $-20 \sim +65^{\circ}\text{C}$

2.3 Save temperature range

This product is stored at $-30 \sim +75^{\circ}\text{C}$

3. General specifications of the product

NO.	ITEMS	DETAILS
1	Model	2.4G antenna
2	Frequency bands	2400Mhz-2500MHz
3	VSWR	≤ 2.0
4	Impedance	50Ω
5	Antenna type	FPC+ coaxial line
7	Antenna picture	

4. Product specification details

4.1 Product structure parameters

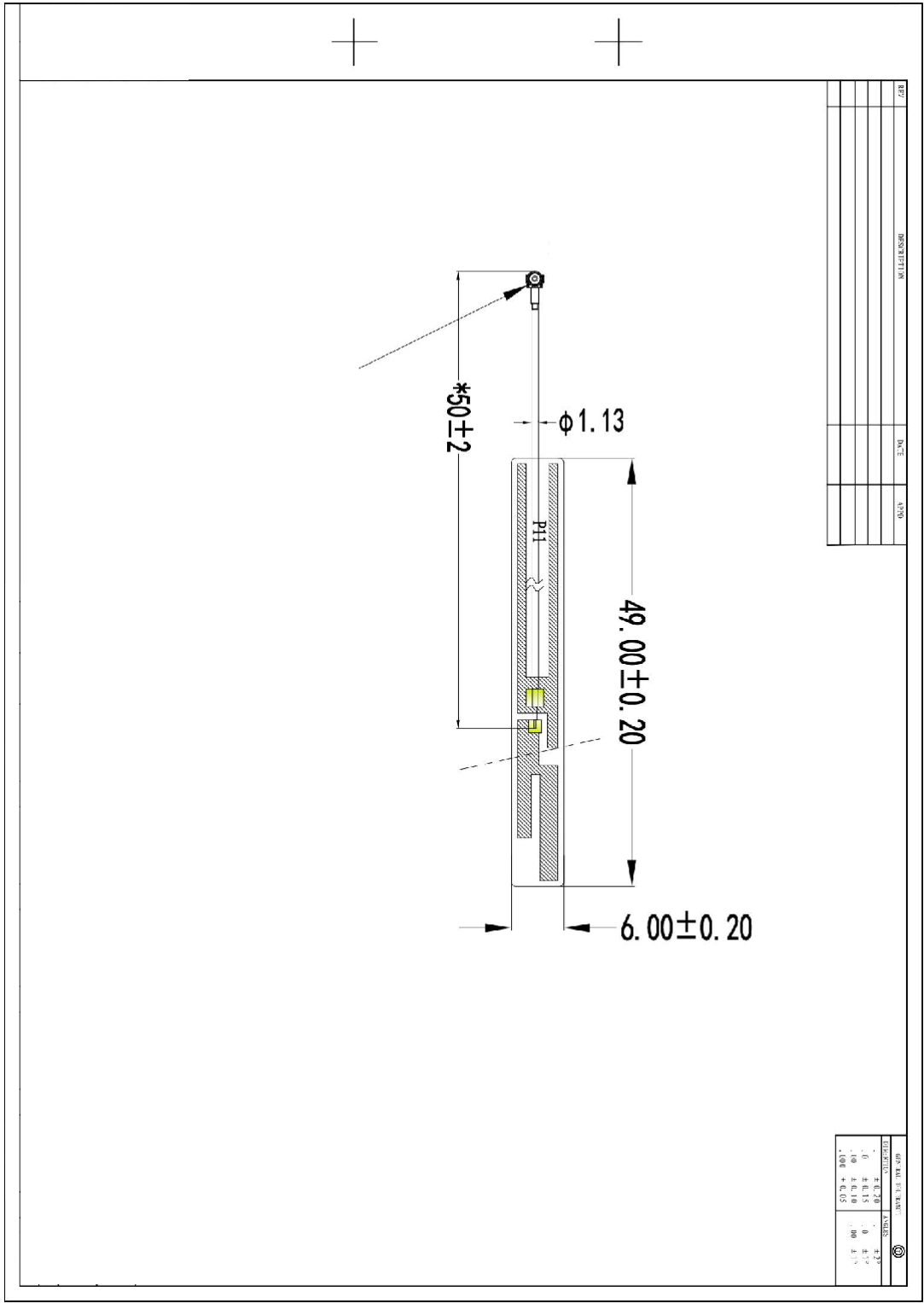
4.11 Product material composition:

4.12 Appearance

The product has a good appearance, without scars, sweat stains, protrusions and other serious defects that affect the appearance.

4.13 Structural dimensions

Product Drawings:



4.2 Product electrical performance test data

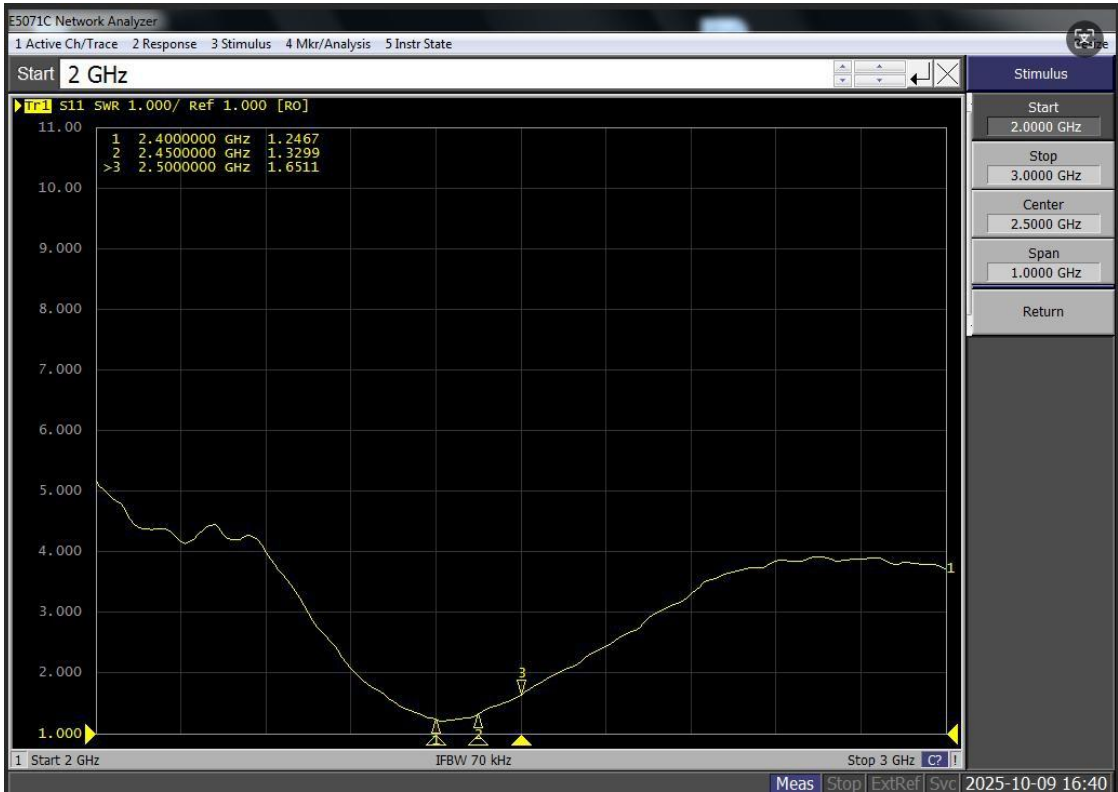
4.21 Test environment and equipment

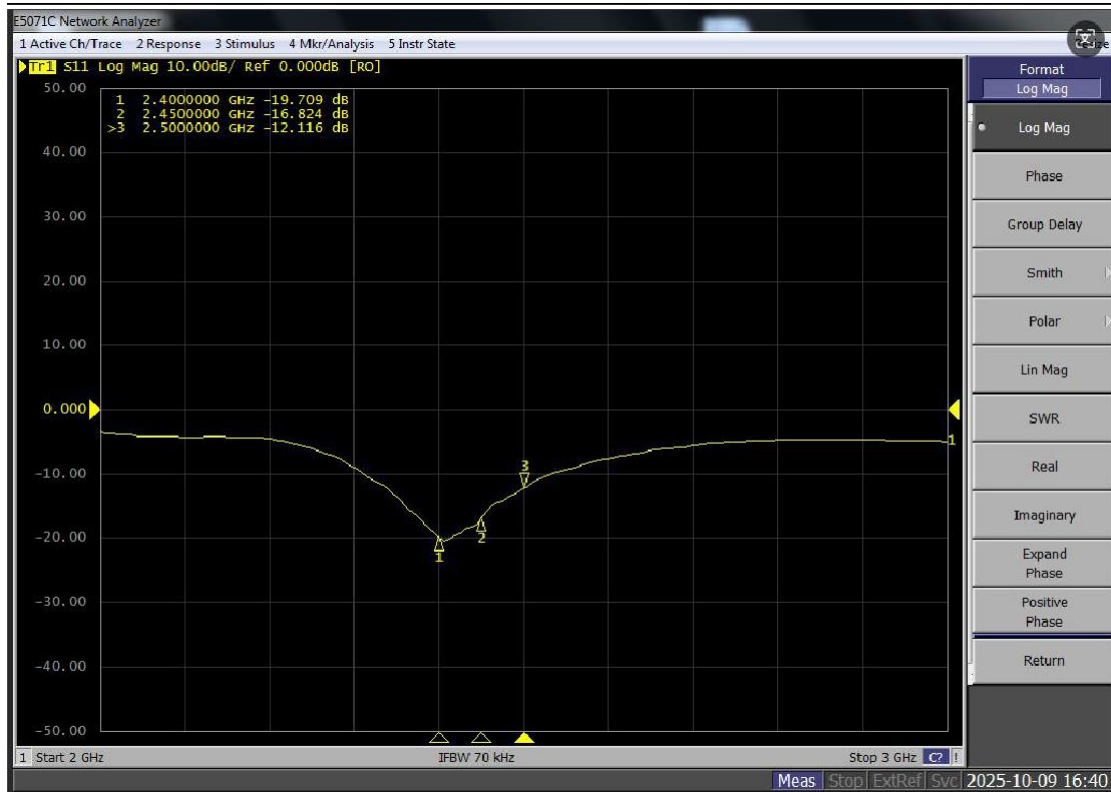
Test environment:	Testing equipment:
Temperature: 10℃——+30℃	Network analyzer KEYSIGHT E5071C
Relative humidity: ≤80% (+40℃)	multi-channel microwave anechoic chamber
Atmospheric pressure: 750mmkg±30mmkg	

4.22 Product electrical performance test data:

4.22.1 S11 diagram of a 4G antenna:

Marker (MHz)	2400	2450	2500
ReturnLoss	-19.70	-16.82	-12.11
VSWR	1.24	1.32	1.65

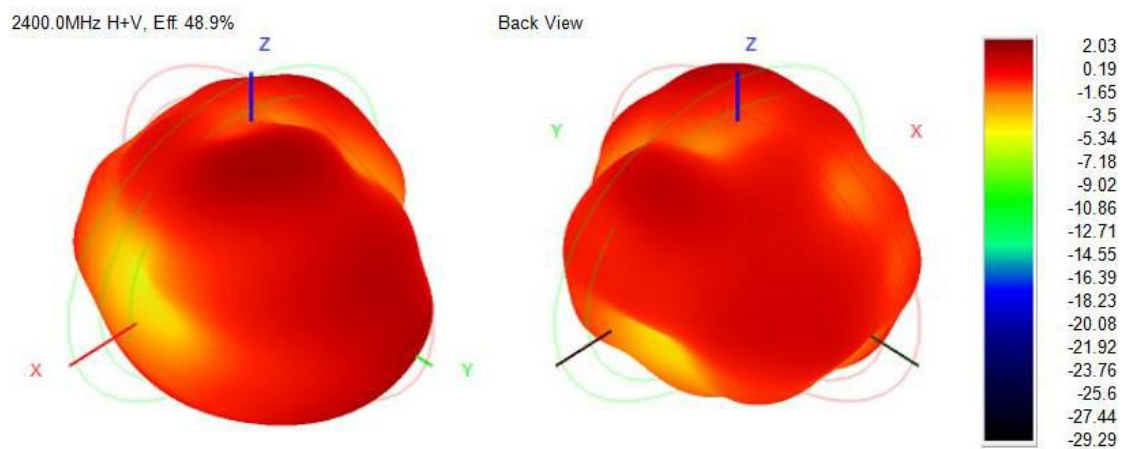


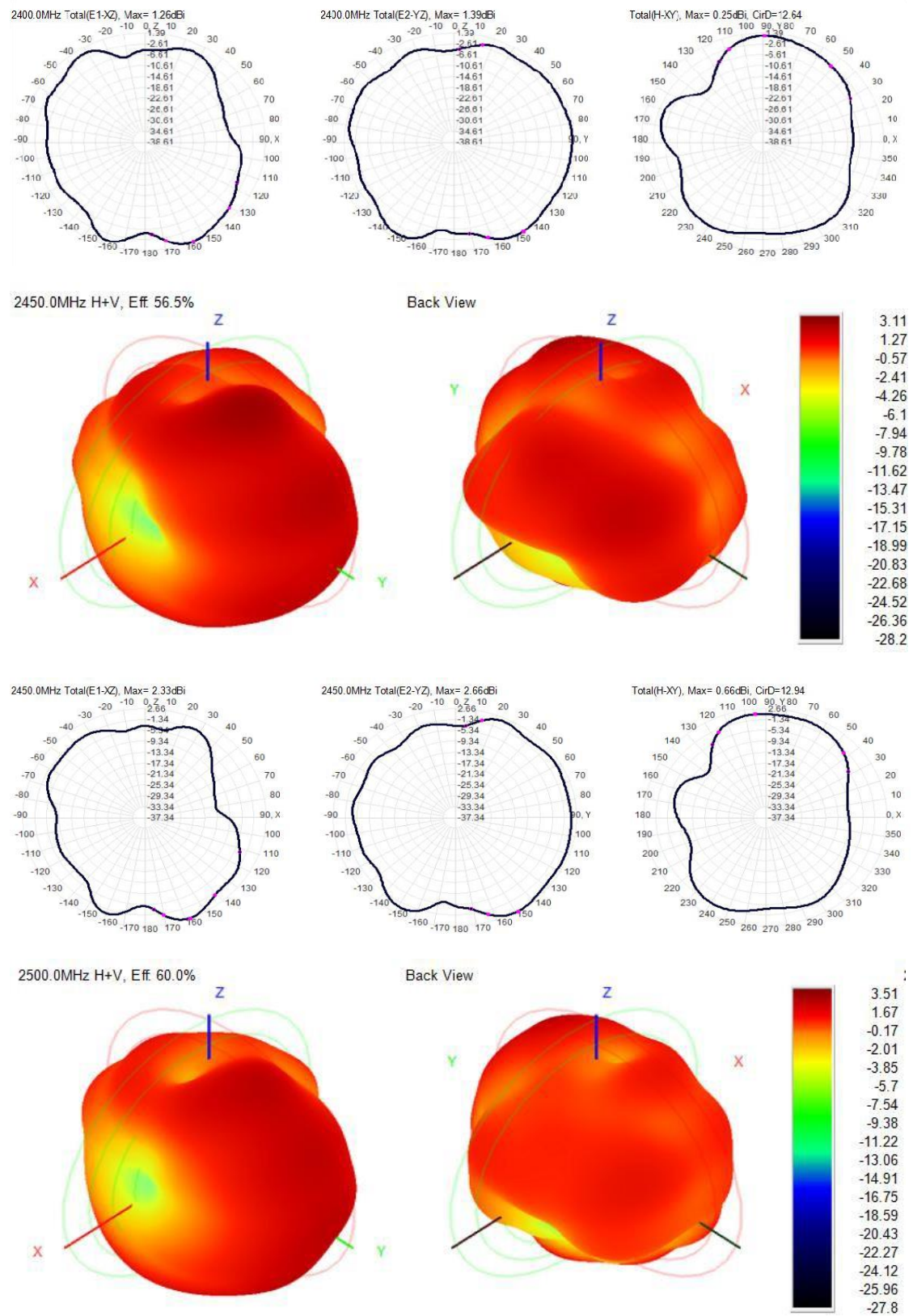


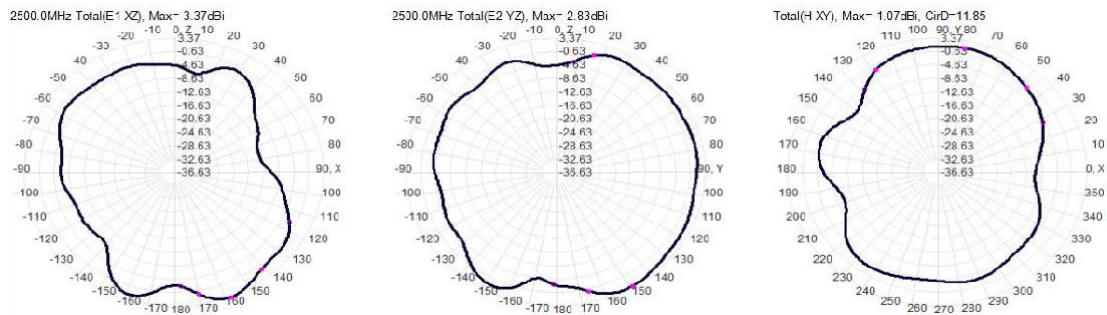
4.22.2 4G antenna gain, efficiency and radiation pattern

Marker	2400	2450	2500
Gain (dBi)	2.03	3.11	3.51
Efficiency (%)	3.51	60.01	29.2

2400Hz Pattern:







5. Product packaging method

Packing method: ziplock bag packaging, 200PCS per pack.

6. Documentation history

File number	
Document No.	
Date	2025/10/09
Release Date	
Preparation	
Author	Hungjie
Review	
Review	WH

Document history table

Revised History

Date	Version	Revised Record
2025/10/09	1.00	New Project