

ANTENNA SPECIFICATION

Style No.: YX-ALK-DJ05

Manufacturer: Shenzhen Yixin Electronic Technology Co., Ltd

Address: Room 201, Building 2, Nantai Yunchuang Valley, Phoenix Street,
Guangming District, Shenzhen City, China, 518107

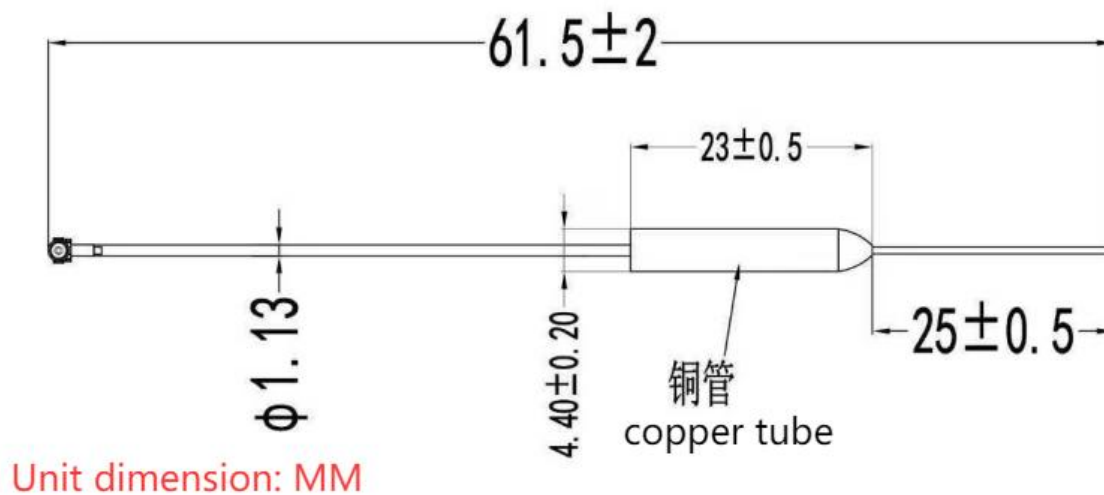
No.	ITEMS	DETAILS
1	Model	DJ05
2	Frequency Range	2400-2500MHz
3	VSWR	≤ 2.0
4	Impedance	50 Ω
5	Antenna Style	monopole
6	Antenna effect style	Copper tube
7	Antenna Picture	
8	Temperature range for use	-20~+65°C
9	Temperature range for storage	-30~+75°C

Materials:

1. Copper tube: brass

2. RF cable: total length 61.5mm, ϕ 1.13 (1st generation terminal)

Structure / Dimensions:



Testing environment & instrument equipment:

Testing situation:

Humidity: $10^{\circ}\text{C} - +30^{\circ}\text{C}$

Relative Humidity: $\leq 80\%$ ($+40^{\circ}\text{C}$)

Atmospheric Pressure: $750\text{mmkg} \pm 30\text{mmkg}$

Testing Machine:

Network Analyzer

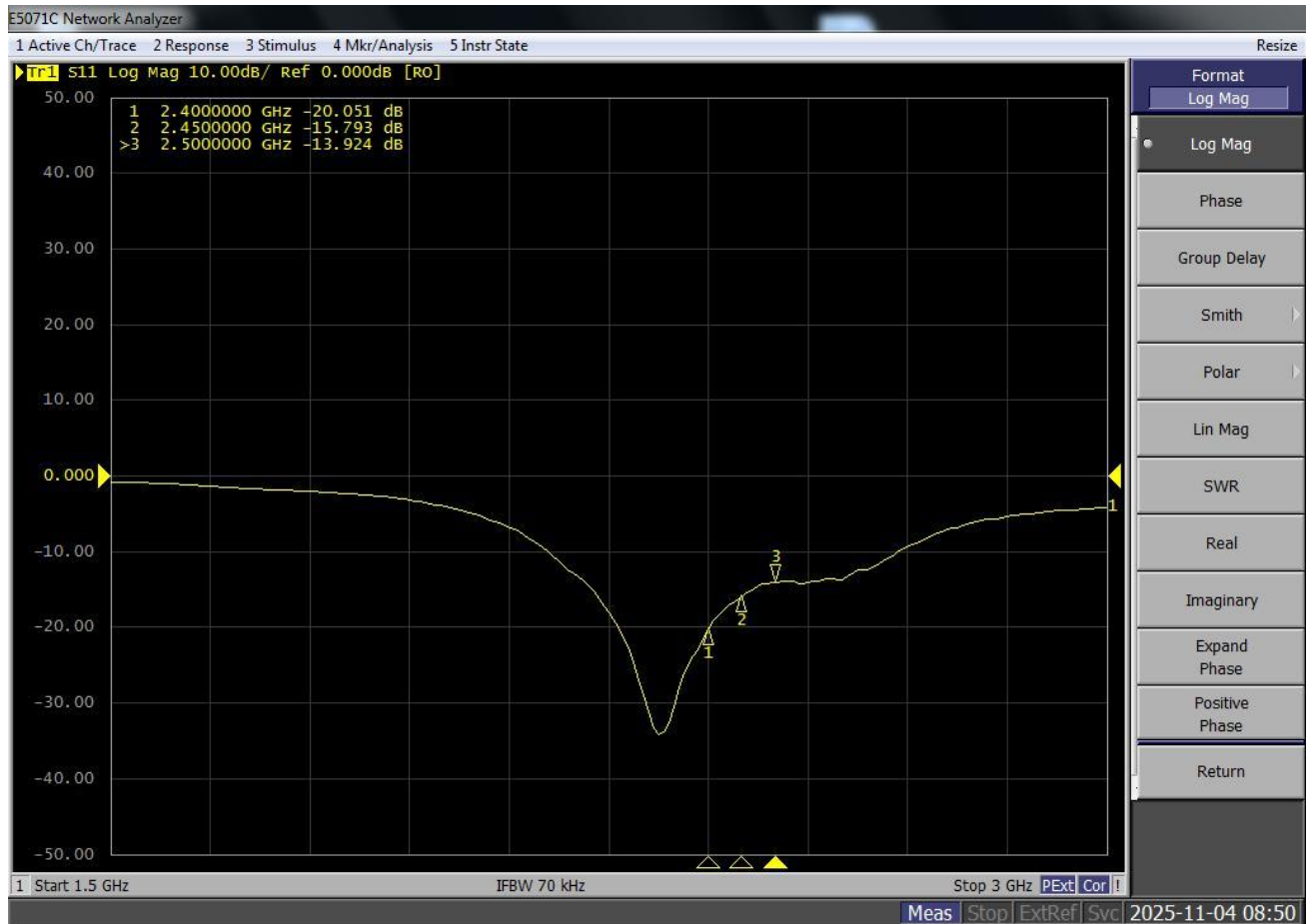
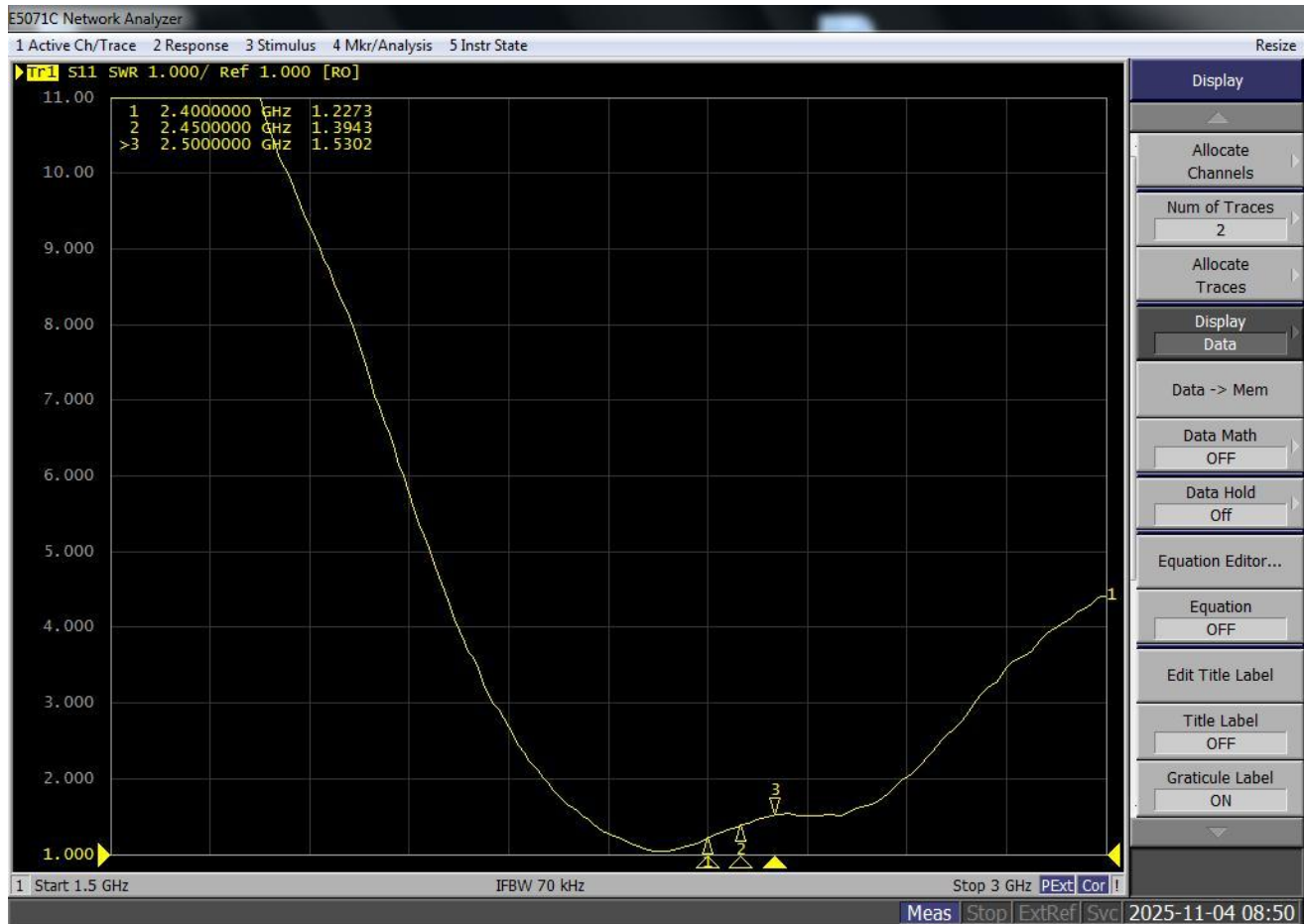
KEYSIGHT E5071C

Multi probe microwave darkroom

Product electrical performance test data:

Marker	2400MHz	2450MHz	2500MHz
Returnloss	1.22	1.39	1.53
VSWR	-20	-15.79	-13.92

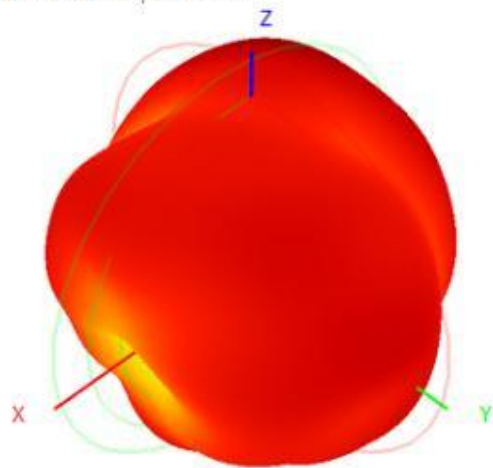
Product - S11 Picture:



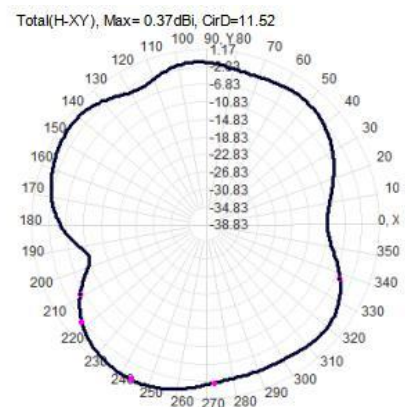
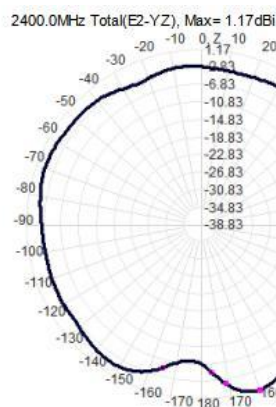
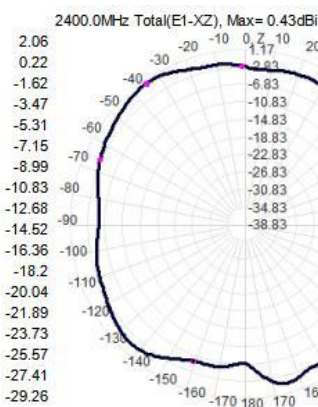
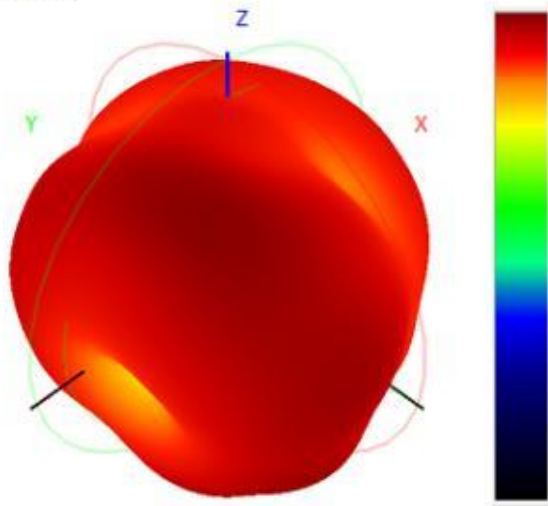
Gain, efficiency, and radiation:

Frequency (MHz)	Gain (dBi)	Efficiency
2400	2.06	62.40
2450	2.30	62.41
2500	1.88	64.65

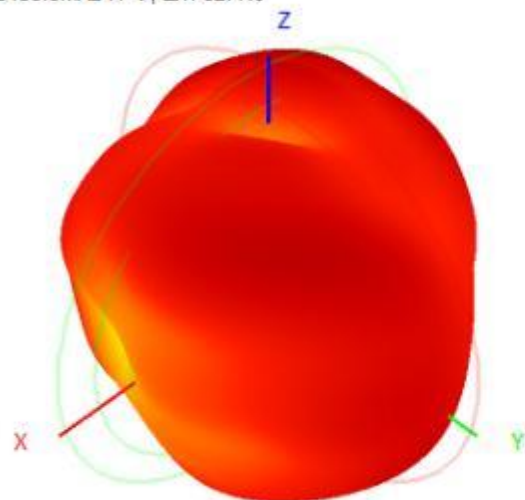
2400.0MHz H+V, Eff: 62.4%



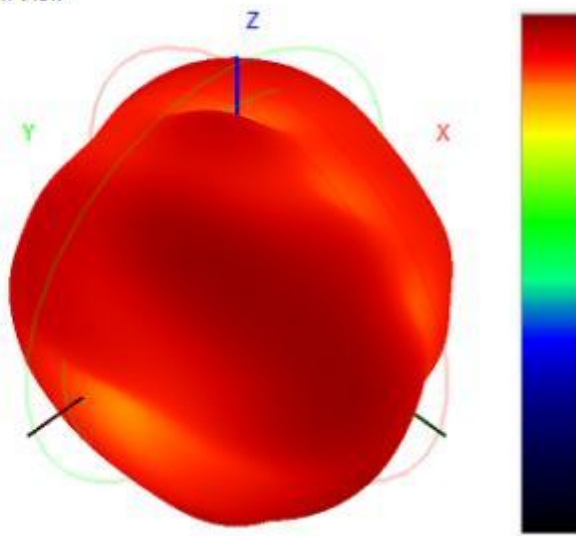
Back View

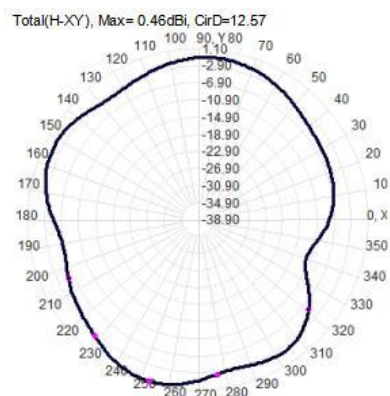
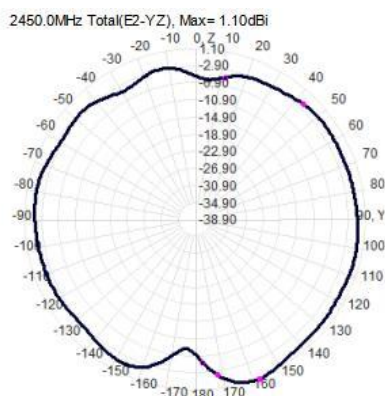
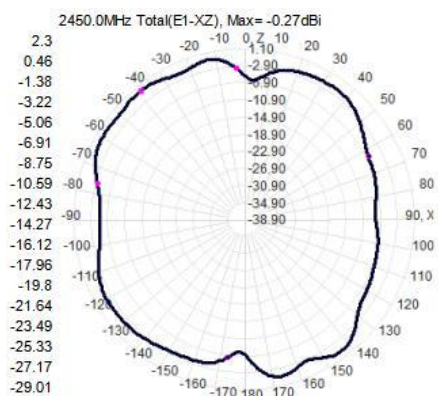


2450.0MHz H+V, Eff: 62.4%



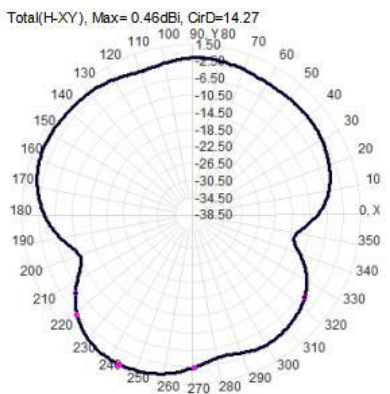
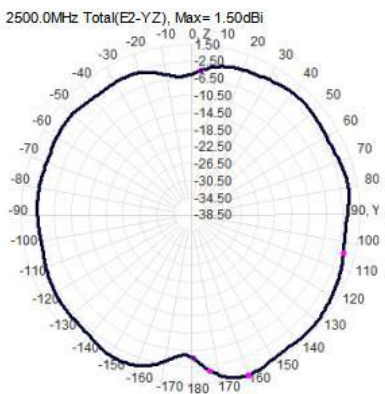
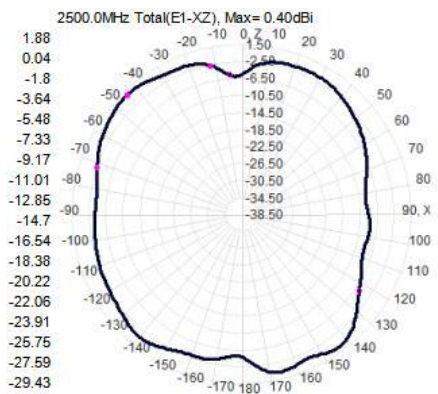
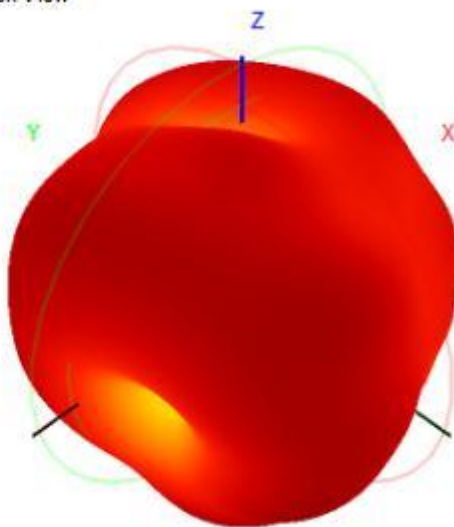
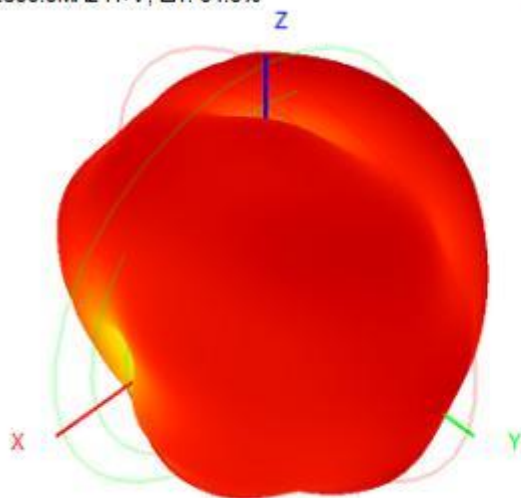
Back View





2500.0MHz H+V, Eff: 64.6%

Back View



Date: 11/05/2025

Shenzhen Yixin Electronic Technology Co., Ltd