

Data Sheet

Product : Antenna

Date: Nov 10, 2025

Customer Applied model	WIFI Antenna		
Customer			
Customer Part No.			
Product Description	Antenna		
Supplier	saixun		
Supplier Part No.	SX-002-2217		
Customer	By designed	By Checked	By Approval

Catalogue

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Revision History

Revision No.	Originator	Description of changes	Date of changes
1		First document	Nov 10, 2025
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

1 General

Electrical Properties	
Frequency Band	2.4/5.8GHz
Test Frequency	2.4-2.5/5.15-5.85GHz
VSWR	≤ 2.5
Efficiency	Refer to test report
Gain	Refer to test report
Radiation Pattern	Omni-Directional
Polarization	V/H
Antenna Type	Dipole
Mechanical Properties	
Antenna Dimension	127 mm
Connector Type	I-PEX I
Connector pull	10 N min
Cable Type	RF 1.13
Installation site	Machine inside
Environment Properties	
Operational Temperature	-40°C ~ +85°C
Storage temperature	-30°C ~ +60°C

2 Test Data

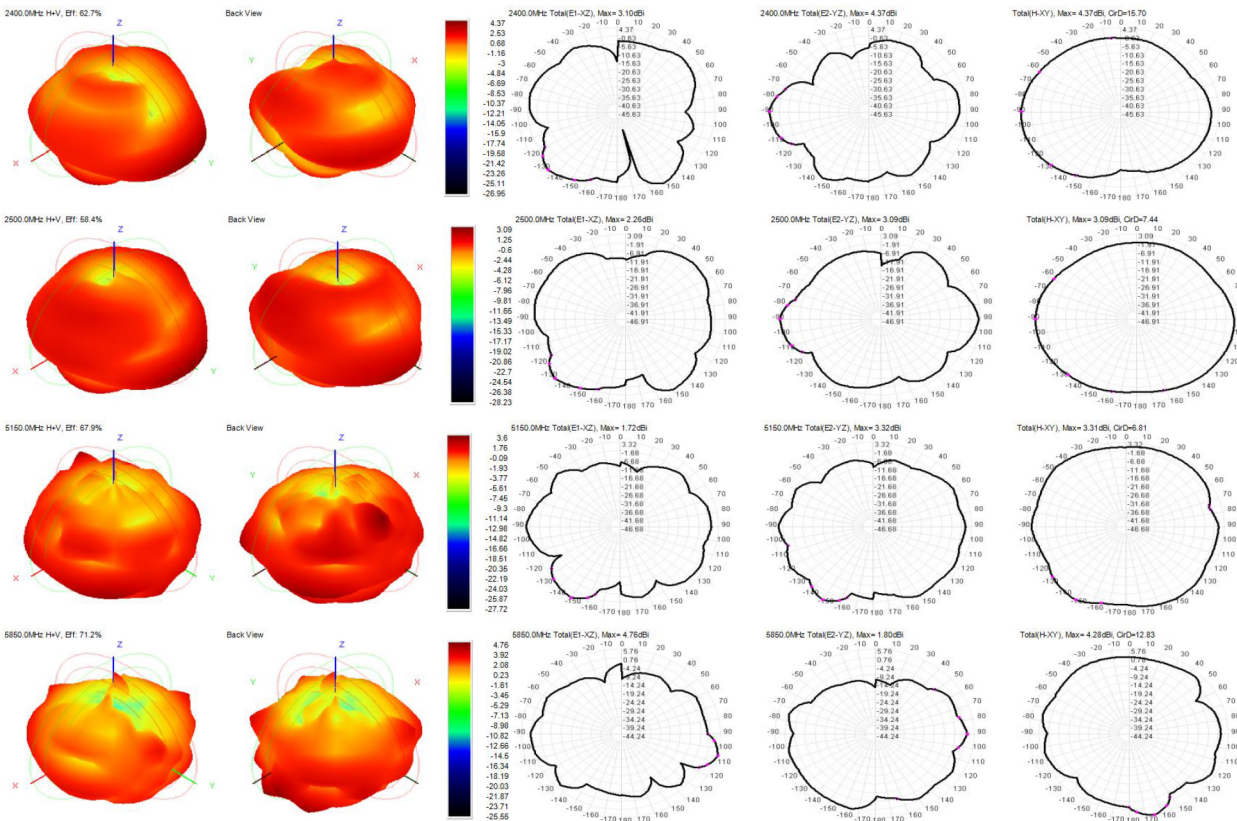
2.1 Network Data (Return loss)



2.2 Gain and Efficiency

Frequency ID	1	2	3	4	5	6
Frequency (MHz)	2400.0	2450.0	2500.0	5150.0	5550.0	5850.0
Efficiency (dBi)	-2.03	-1.97	-2.33	-1.68	-1.55	-1.48
Gain (dBi)	4.37	4.15	3.09	3.60	4.66	4.76
Efficiency (%)	62.73	63.58	58.42	67.89	69.98	71.19

2.3 Radiation pattern



3 Mechanical Drawings (mm)

