



Customer	Junuo
Project	Projection WiFi Dual-Band PCB Antenna
Antenna Revision	A0
Product Model	FXLK-PBCL111V1-IX1-110-A
Specification Summary	The PCB board is CL111V1; the cable has a diameter of 1.13 mm, is gray in color, and measures 110 mm in length; the soldering ratio for the FPC terminals is 1:2:2; the client requires first-generation terminals.
Antenna manufacturer information	Shenzhen Feixunlianke Electronics Co., Ltd.
Antenna manufacturer address	Room 405, Building A, Liyue Zhichuang Park, Fuyong Subdistrict, Bao'an District,

October
27, 2025

Purpose

This report is to measure the performance of antenna for All test date are showed as below.

Content

1: Product Overview

2: Test Result

2.1 VSWR

2.2 RETRUN LOSS

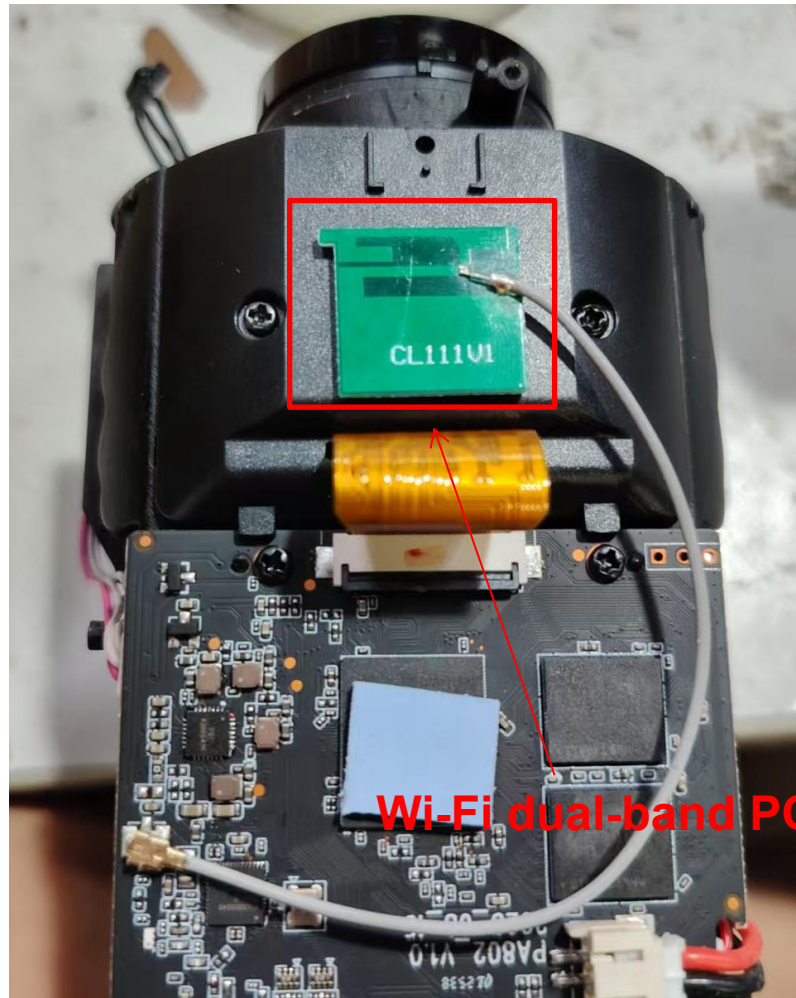
2.3 GAIN & Efficiency

2.4 *2D & 3D Directional pattern*

2.5 Antenna dimension drawing

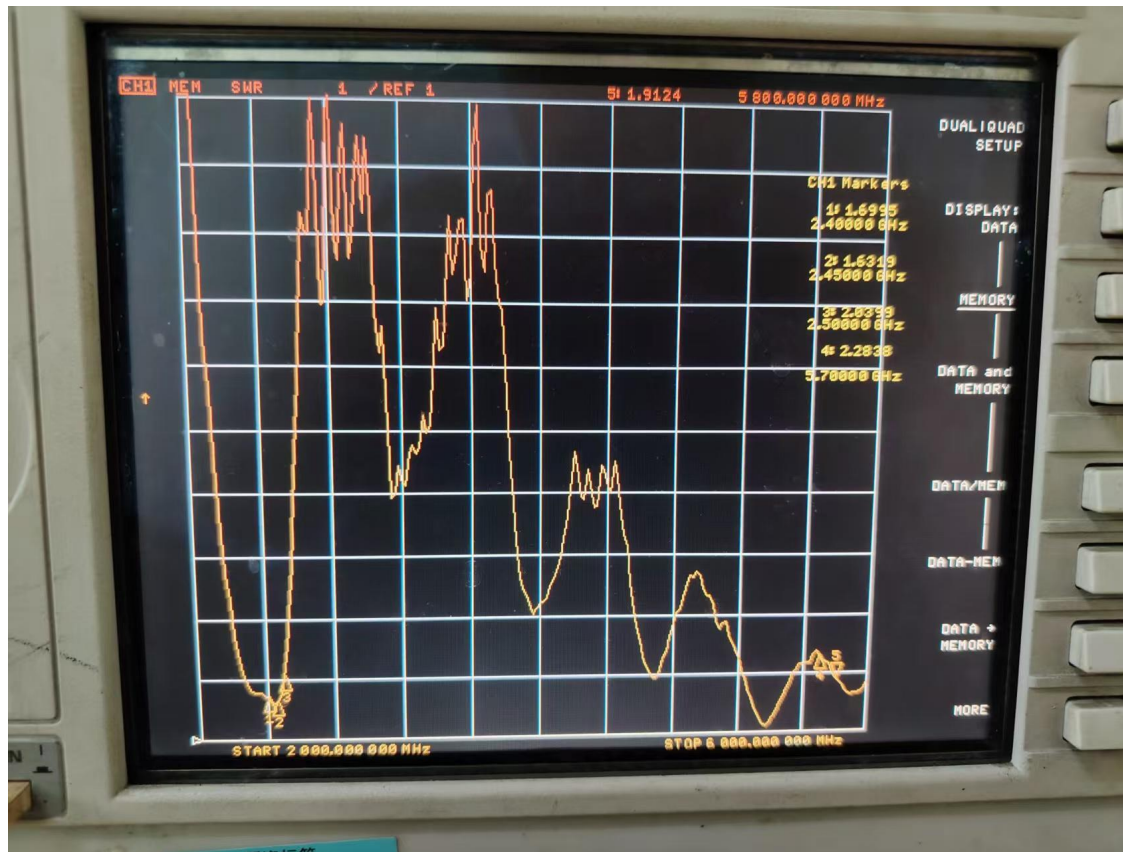
1. Product Overview

Antenna frequency



2. Test Result

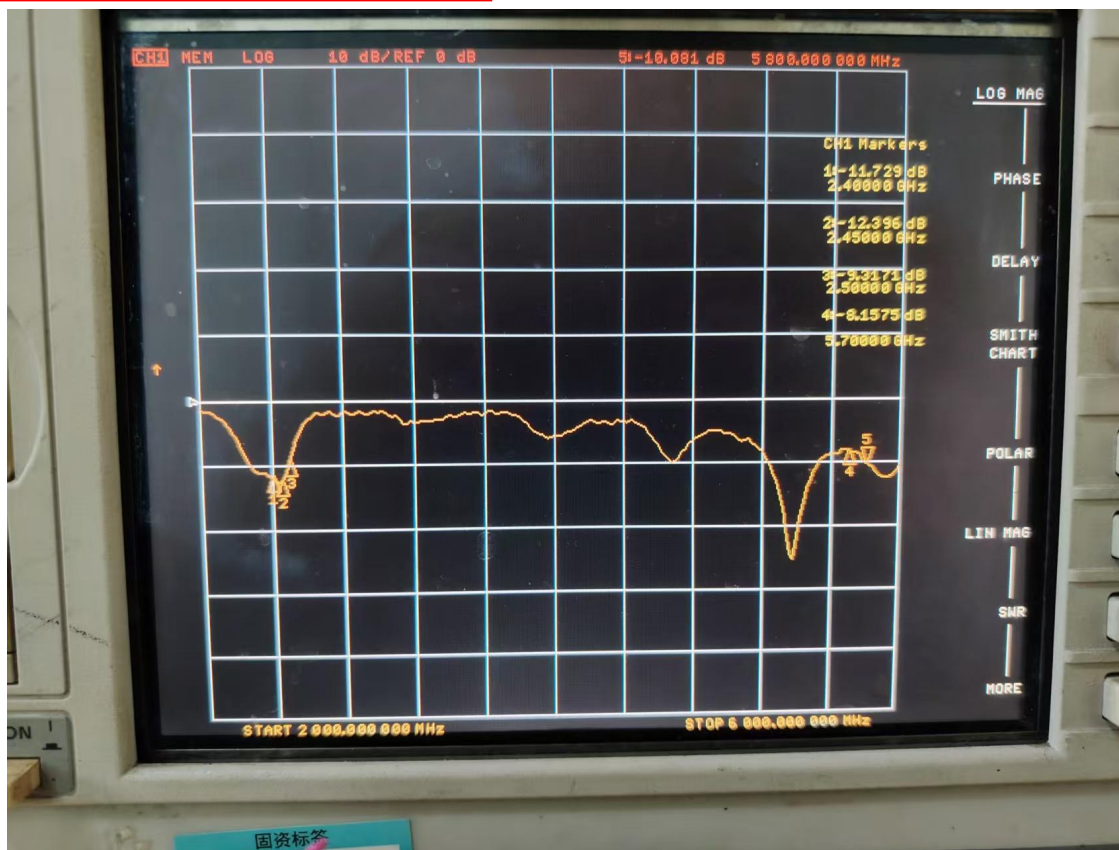
2.1 Wi-Fi Dual-Band Antenna_VSWR



Frequency (MHz)	2400	2450	2500	5700	5800
VSWR	1.69	1.63	2.03	2.28	1.91

2. Test Result

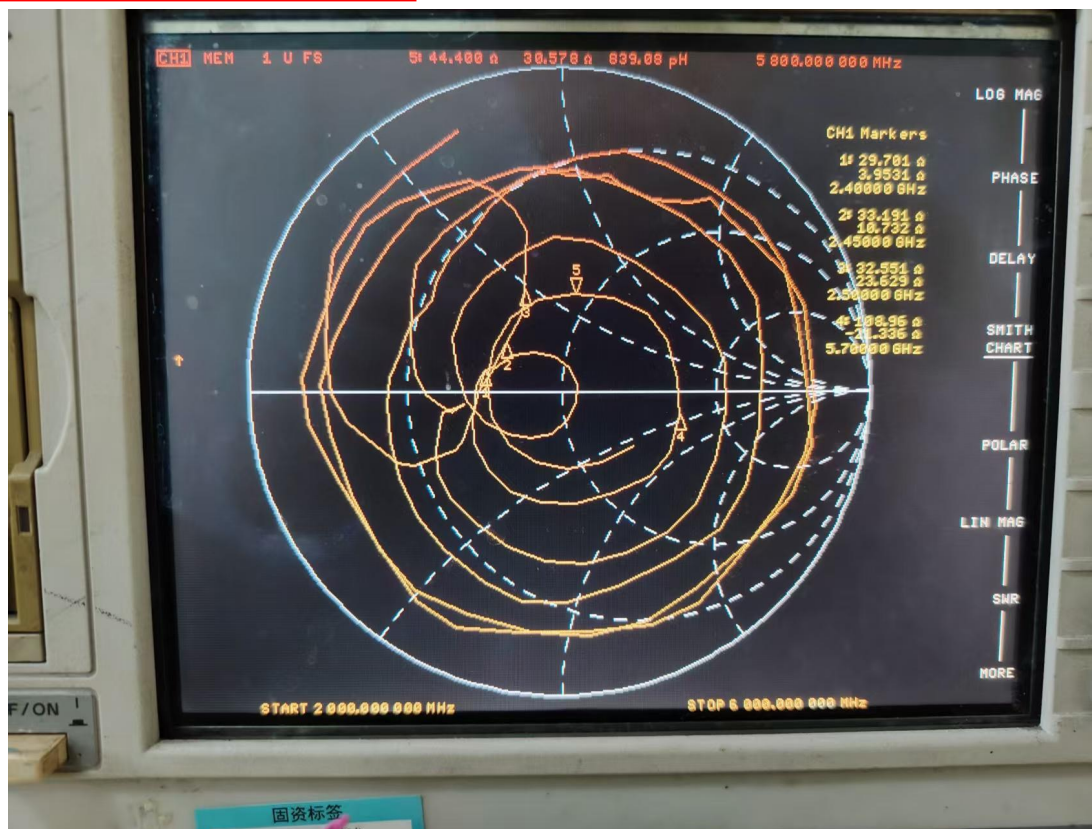
2.2 Wi-Fi Dual-Band Antenna RETRUN LOSS



Frequency (MHz)	2400	2450	2500	5700	5800
RETRUN LOSS (DB)	-11.72	-12.39	-9.31	-8.15	-10.00

2. Test Result

2.2 Wi-Fi Dual-Band Antenna Smith Chart



Frequency (MHz)	2400	2450	2500	5700	5800
	29.70	33.19	32.55	70.96	44.46

2. Test Result

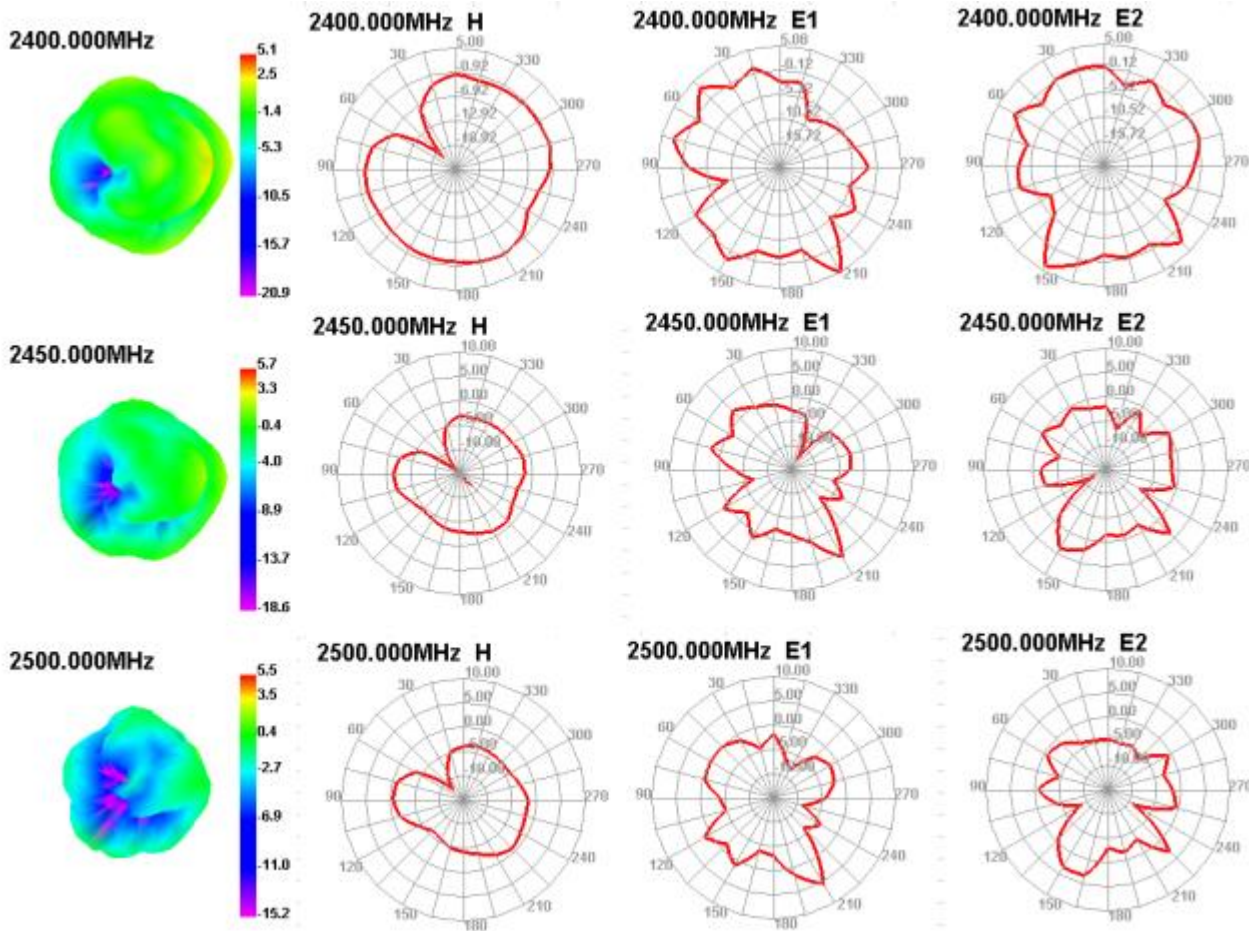
2.3 *Wi-Fi Dual-Band Antenna* GAIN & Efficiency

Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	62.05	2.93
2410	61.5	3.11
2420	55.39	2.76
2430	59.02	3.15
2440	57.08	3.21
2450	62.58	3.55
2460	59.72	3.39
2470	65.21	2.99
2480	59.26	3.43
2490	59.23	3.61
2500	55.8	3.39

Freq	Effi	Gain
(MHz)	(%)	(dBi)
5000	44.07	2.85
5100	44.46	2.91
5200	47.29	3.18
5300	46.89	3.18
5400	47.07	3.14
5500	46.45	3.02
5600	46.25	2.93
5700	44.85	2.74
5800	43.56	2.51
5900	43.27	2.38
5950	44.18	2.36

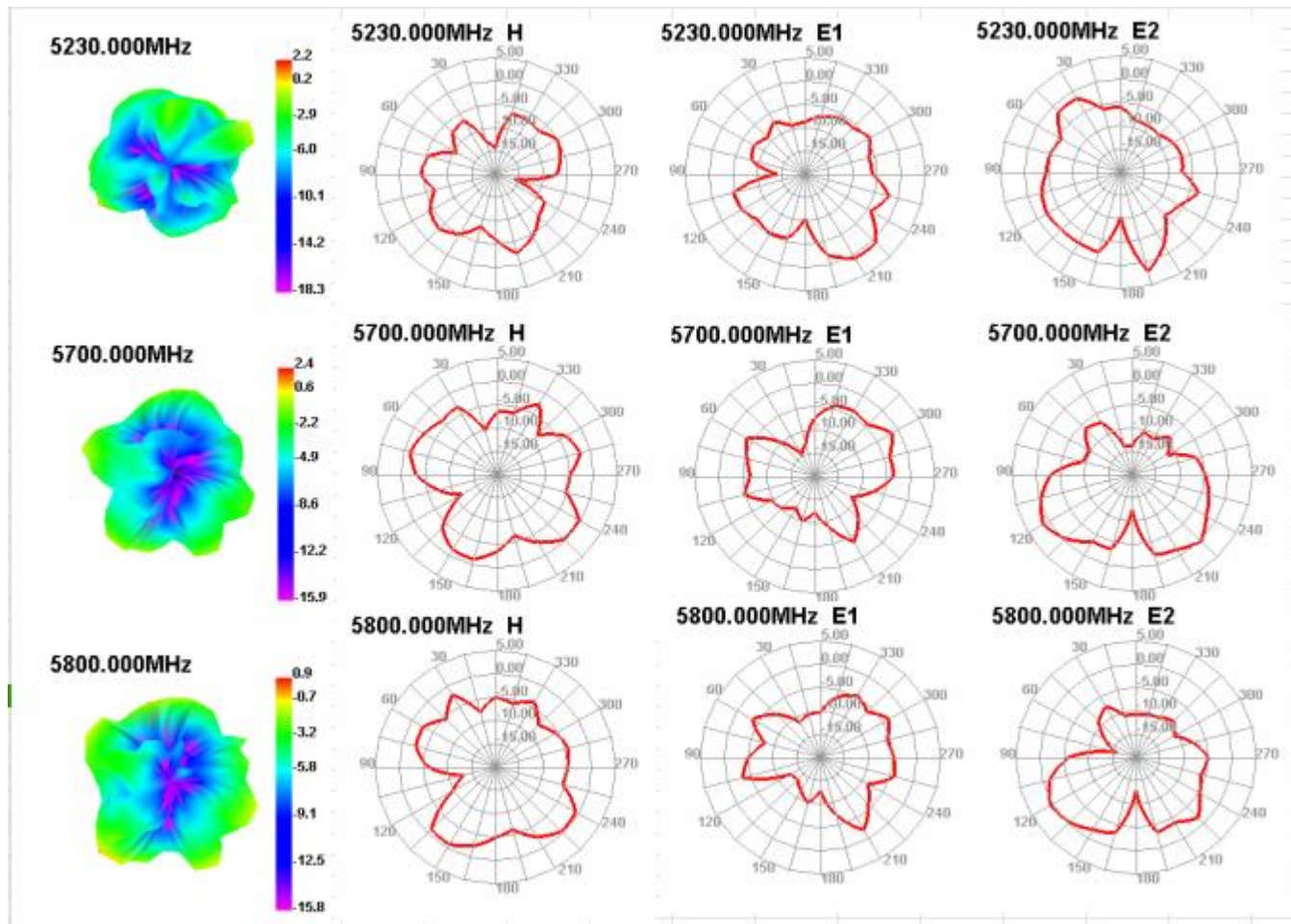
2. Test Result

2.4 Wi-Fi Dual-Band Antenna 2D & 3D Directional pattern



2. Test Result

2.4 Wi-Fi Dual-Band Antenna 2D & 3D Directional pattern



2. Test Result

2.5 *Wi-Fi Dual-Band Antenna* Antenna dimension drawing

