



Manufacturer information	Shenzhen Feixun Lianke Electronics Co., Ltd
Project	C1 PRO 2.4G antenna
Antenna type	monopole antenna
Product Description	The FPC board is FX-004, with a wire diameter of 1.13 and a bus length of 100mm, black. The client uses 1st generation terminals, and the solder board ends are all 1:1.5:2
Product No	FXLK-FX004-IX1-100-2.4G
Antenna frequency band	2400MHz-2500MHz

Purpose

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

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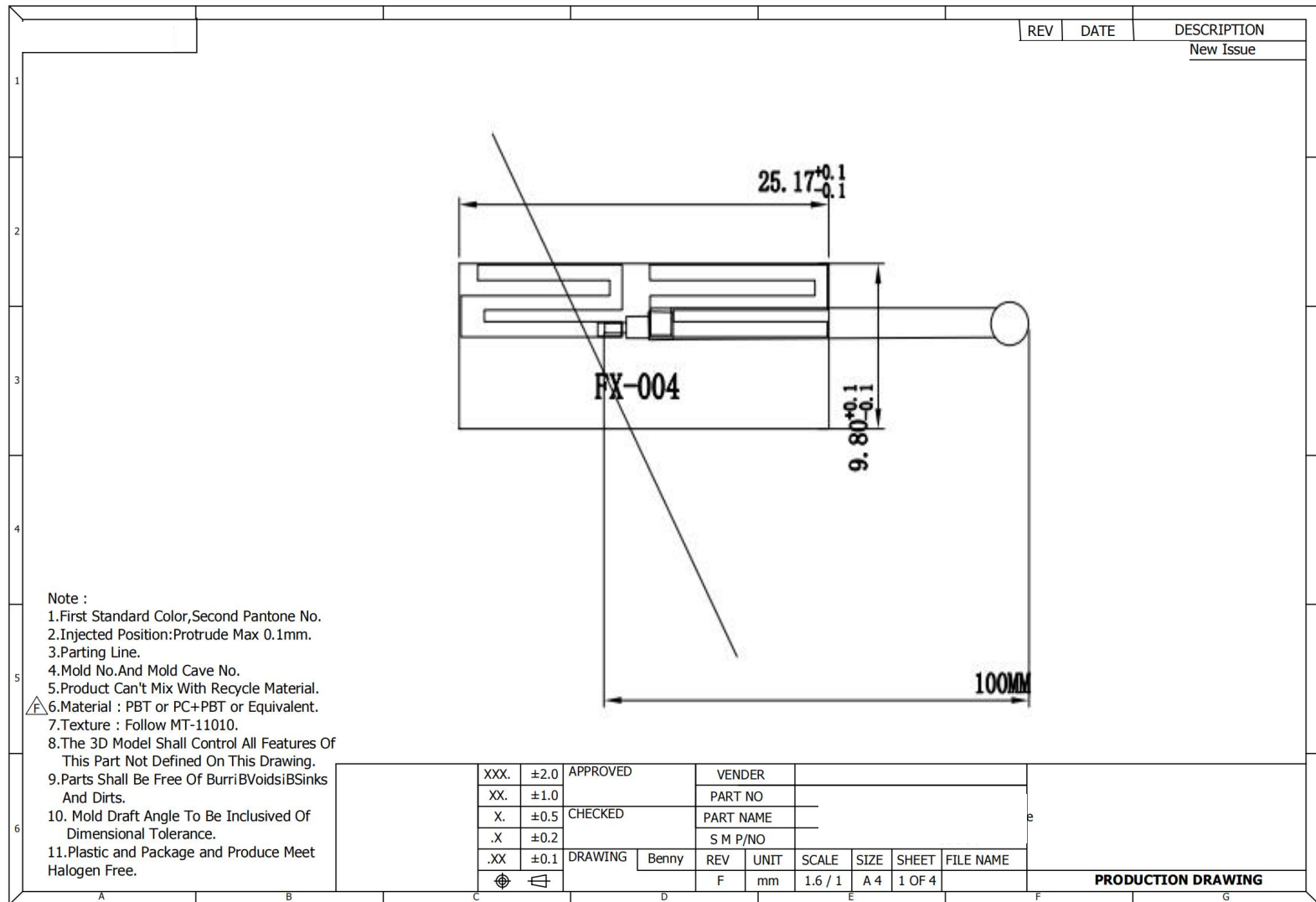
1. Product Overview

1.1 Antenna schematic diagram



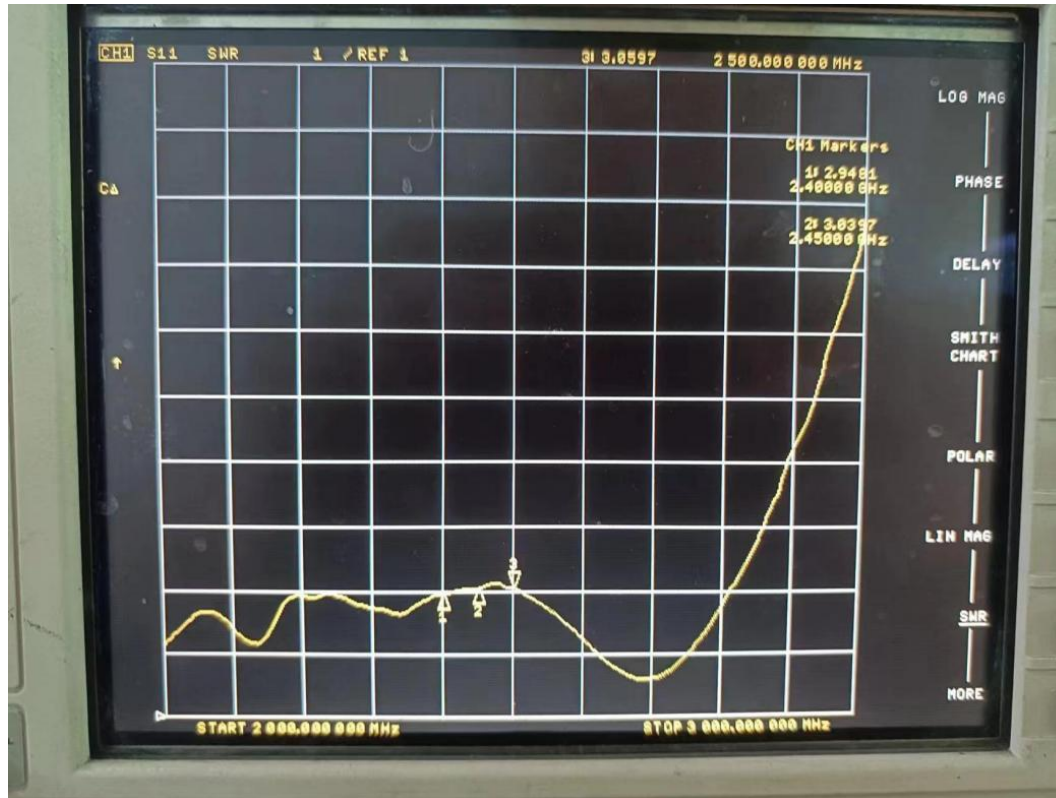
1. Product Overview

1.2 Antenna size diagram



2. Test Result

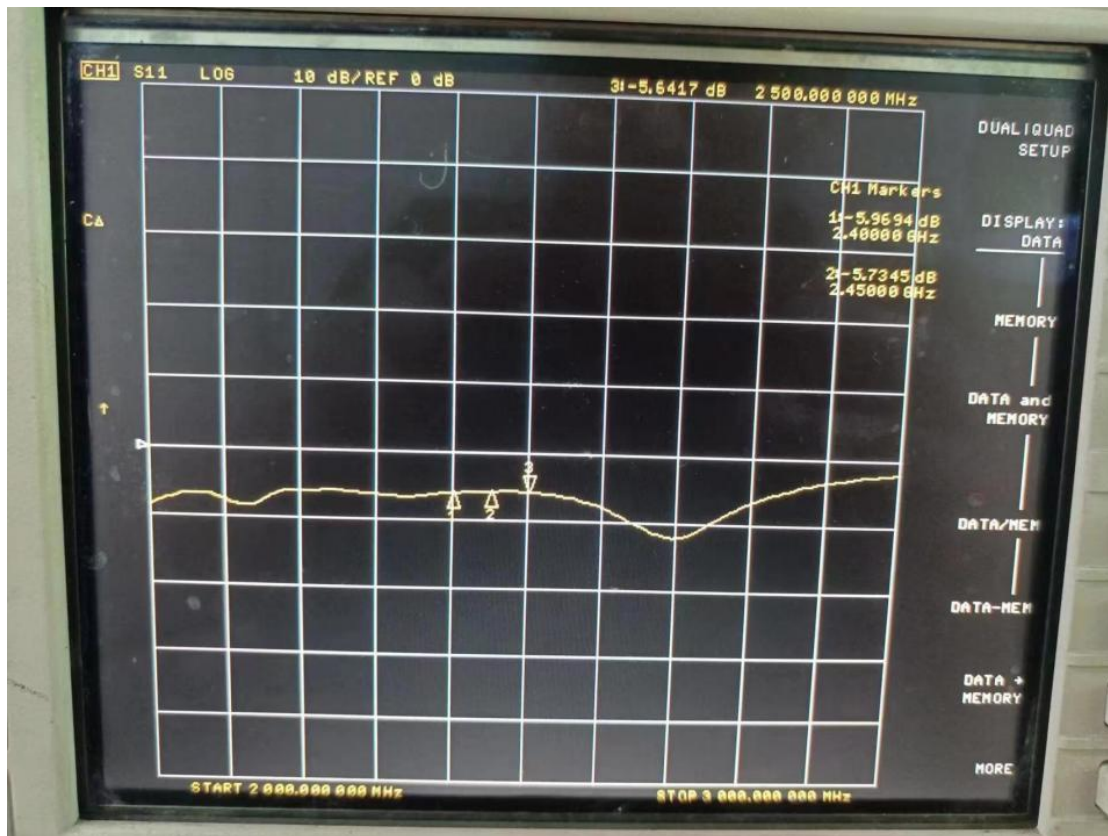
2.1 2.4G antenna VSWR



Frequency (MHz)	2400	2450	2500
VSWR	2.94	3.03	3.05

2. Test Result

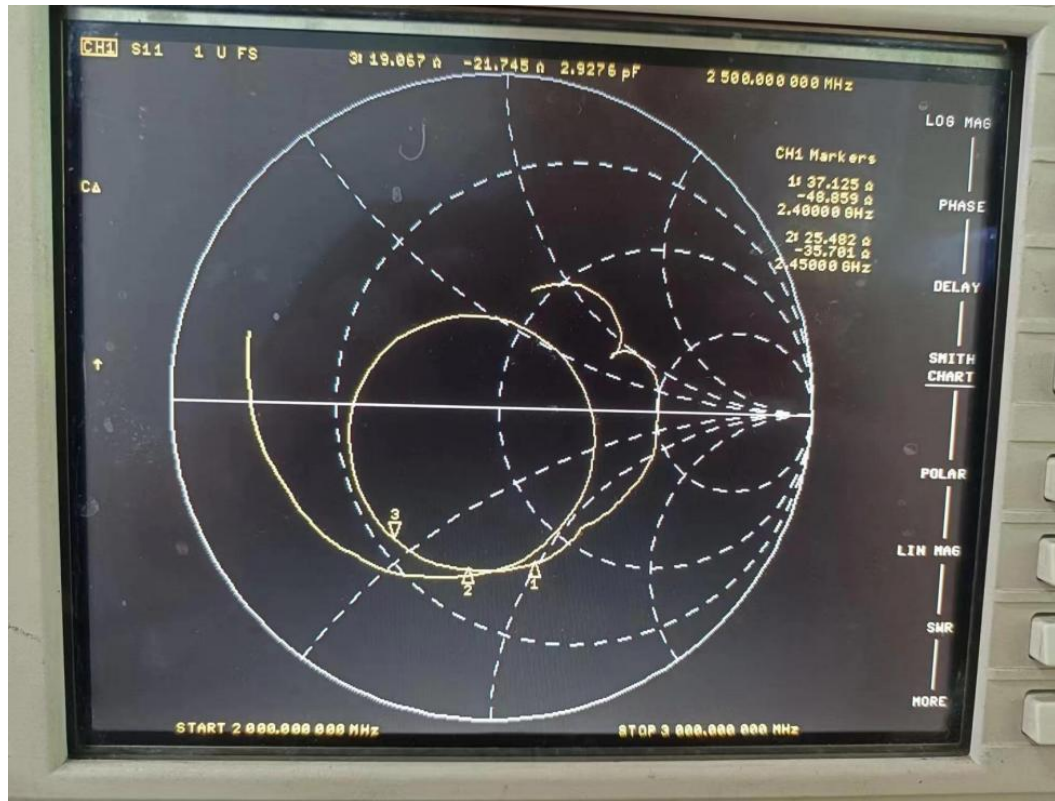
2.2 2.4G antenna *RETRUN LOSS*



Frequency (MHz)	2400	2450	2500
RETRUN LOSS (DB)	-5.96	-5.73	-5.64

2. Test Result

2.3 2.4G antenna *Smith Chart*



Frequency (MHz)	2400	2450	2500
	37.12	25.40	19.06

2. Test Result

2.4 2.4G antenna *GAIN & Efficiency*

Freq (MHz)	Effi (%)	Gain (dBi)
2400	50.81	0.76
2410	54.49	1.07
2420	49.09	0.58
2430	49.66	0.55
2440	54.52	0.91
2450	59.94	1.09
2460	54.4	0.83
2470	53.75	0.89
2480	61.46	1.21
2490	60.92	1.25
2500	56.56	1.17

2. Test Result

2.5 2.4G antenna 2D & 3D Directional pattern

