

WIFI Antenna Test Report



Manufacturer information	Shenzhen Feixun Lianke Electronics Co., Ltd
Project	C528M dual band steel plate antenna
Antenna type	DIPOLE antenna
Product Description	304 nickel plating
Product No	GP1611B-BXG-A
Antenna frequency band	2400MHz-2500MHz/5000MHz-5800MHz

Purpose

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

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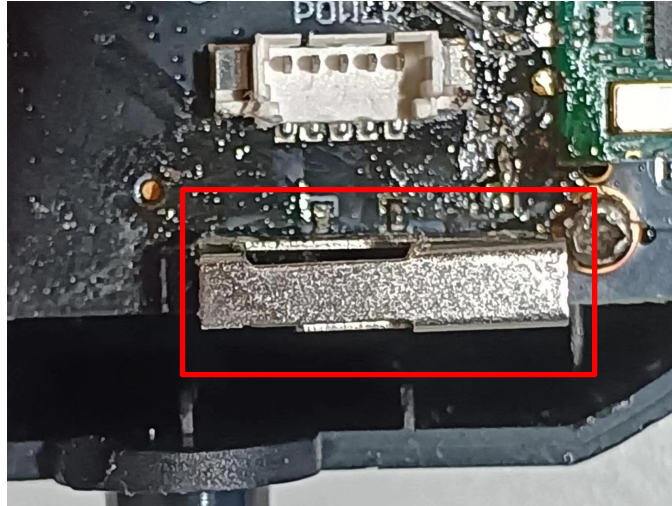
2.3 *Smith Chart*

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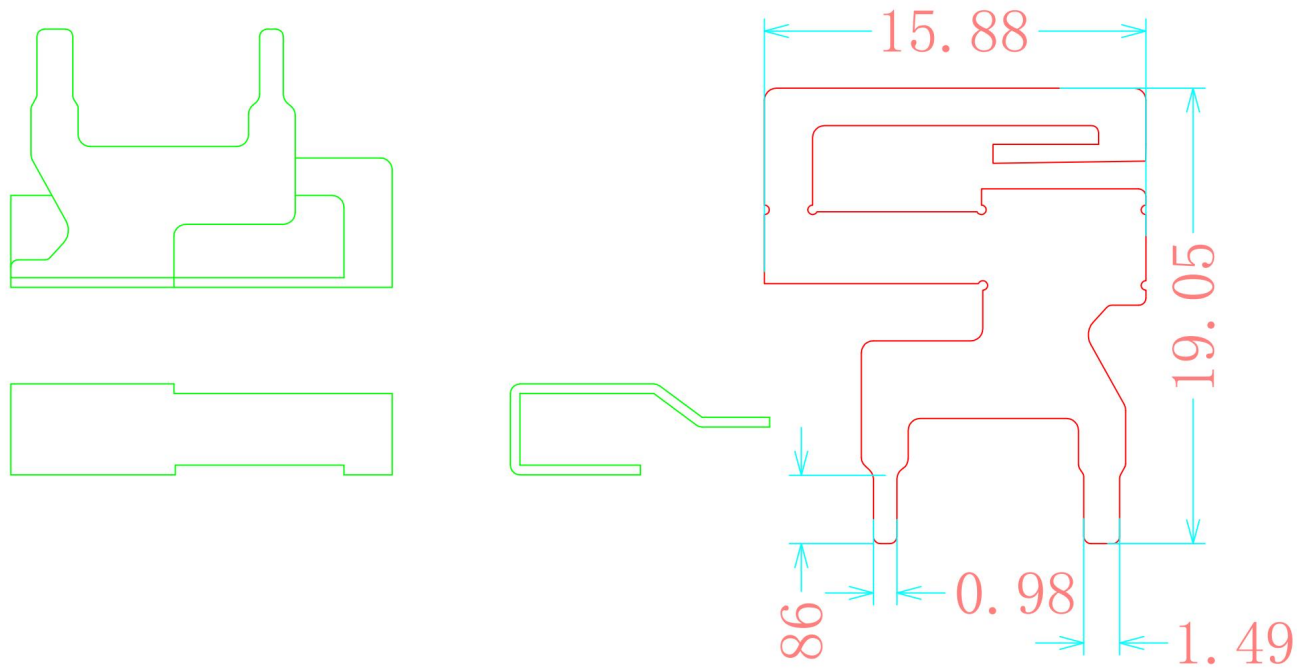
1. Product Overview

1.1 Antenna schematic diagram



1. Product Overview

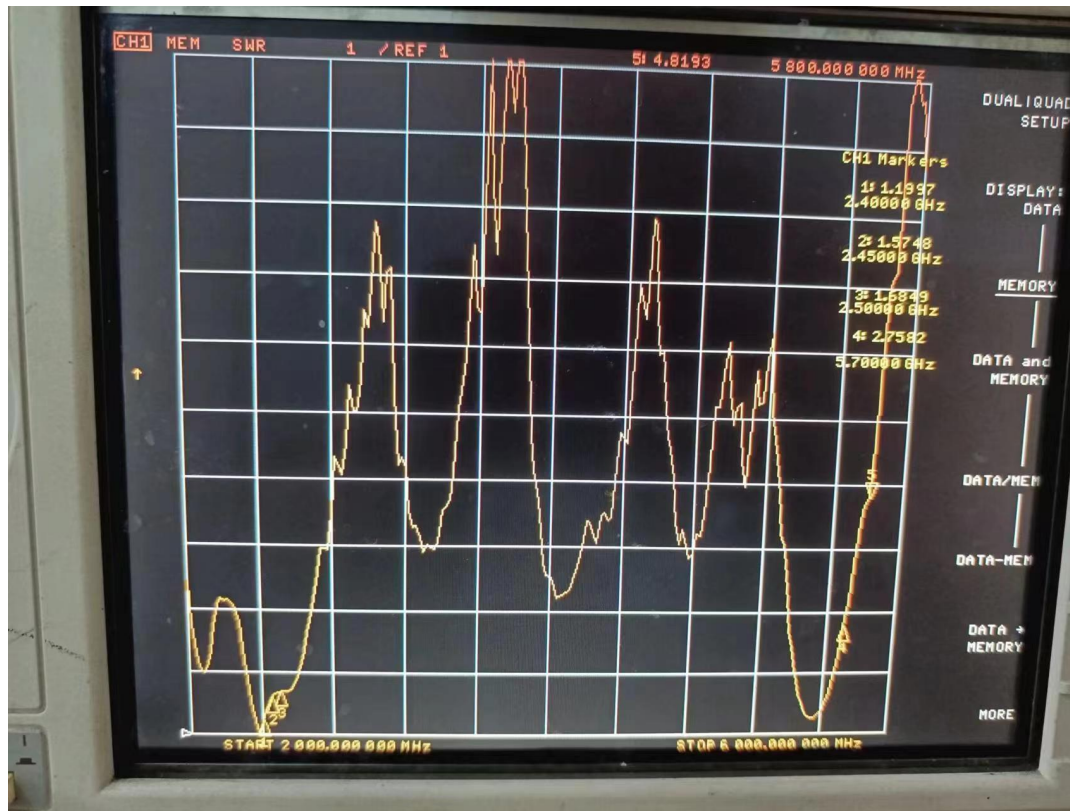
1.2 Antenna size diagram



G P 1611B-B X²G-A
SUS304 T=0.4

2. Test Result

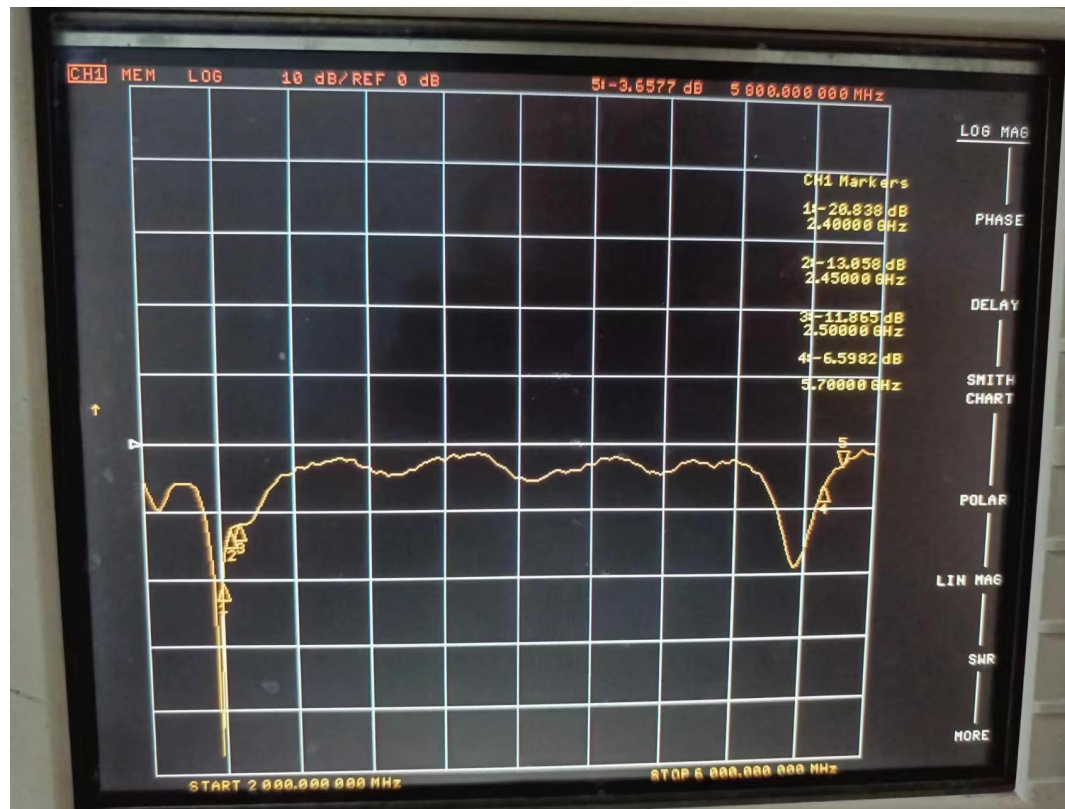
2.1 WIFI dual band steel antenna VSWR



Frequency (MHz)	2400	2450	2500	5230	5700	5800
VSWR	1.33	1.55	1.94	2.59	1.71	2.67

2. Test Result

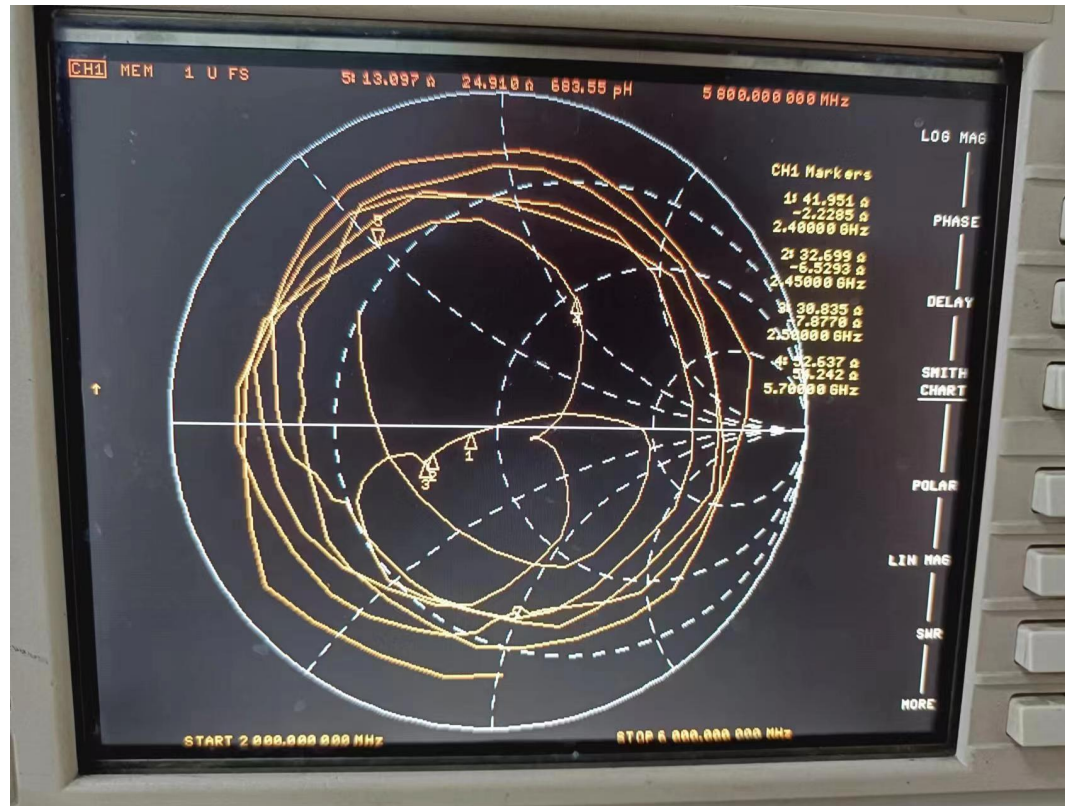
2.2 WIFI dual band steel antenna RETRUN LOSS



Frequency (MHz)	2400	2450	2500	5230	5700	5800
RETRUN LOSS (DB)	-16.83	-13.33	-9.88	-7.02	-11.56	-6.81

2. Test Result

2.2 WIFI dual band steel antenna



Frequen cy (MHz)	2400	2450	2500	5230	5700	5800
	44.10	32.99	26.40	99.06	73.75	25.02

2. Test Result

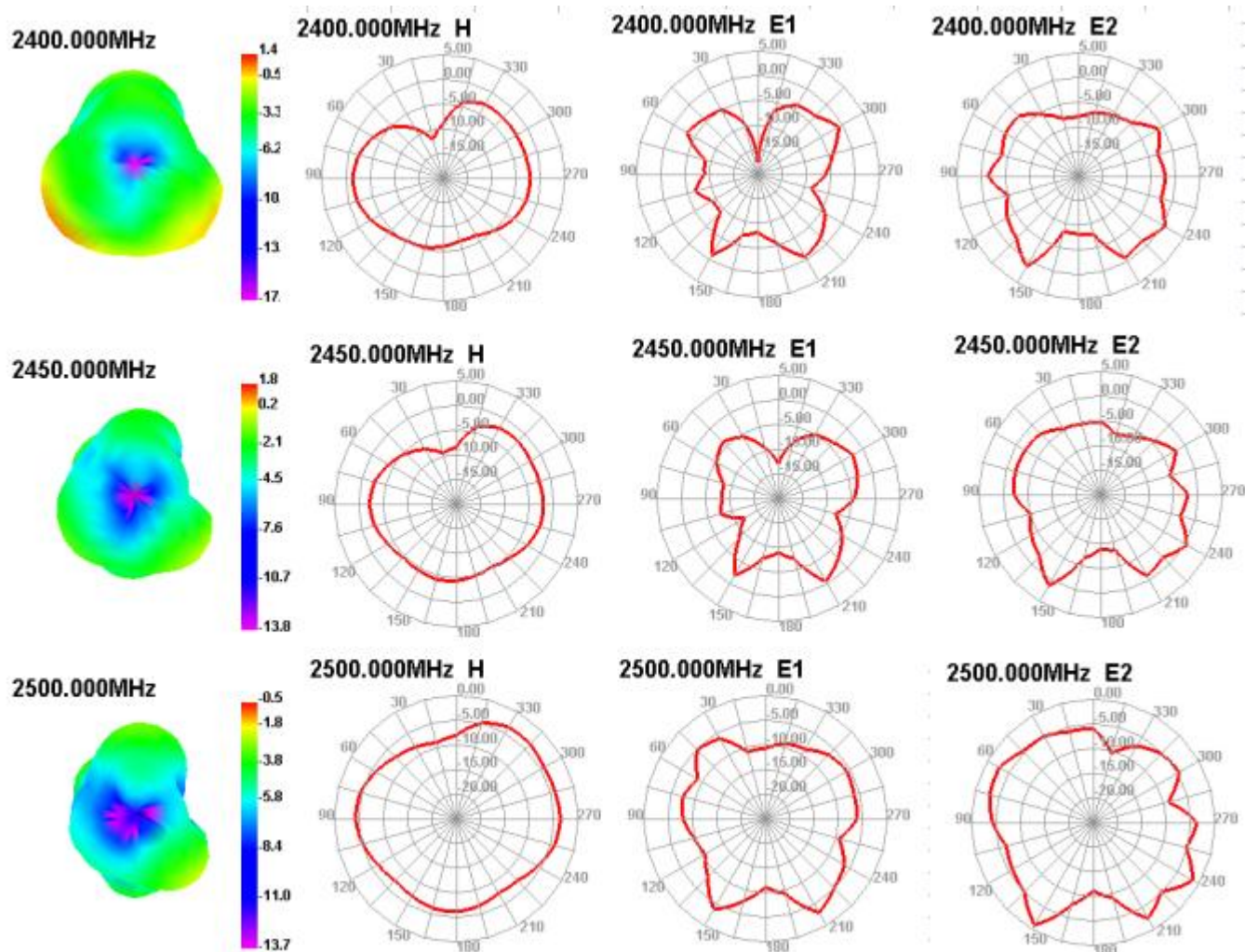
2.3 *WIFI dual band steel antenna* GAIN & Efficiency

Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	40.07	1.40
2410	41.14	1.09
2420	41.55	1.71
2430	40.54	1.83
2440	47.45	1.85
2450	40.31	1.80
2460	41.26	2.42
2470	49.67	1.72
2480	49.8	1.85
2490	45.55	2.71
2500	43.57	0.56

Freq	Effi	Gain
(MHz)	(%)	(dBi)
5700	45.47	3.50
5710	48.23	1.16
5720	47.82	1.48
5730	43.46	1.44
5740	47.84	1.74
5750	43.43	1.38
5760	43.67	1.43
5770	44.26	1.39
5780	47.14	1.77
5790	44	1.2
5800	42.6	3.10

2. Test Result

2.4 WIFI dual band steel antenna 2D & 3D Directional pattern



2. Test Result

2.4 WIFI dual band steel antenna 2D & 3D Directional pattern

