



Manufacturer information	Shenzhen Feixun Lianke Electronics Co., Ltd
Project	C519M 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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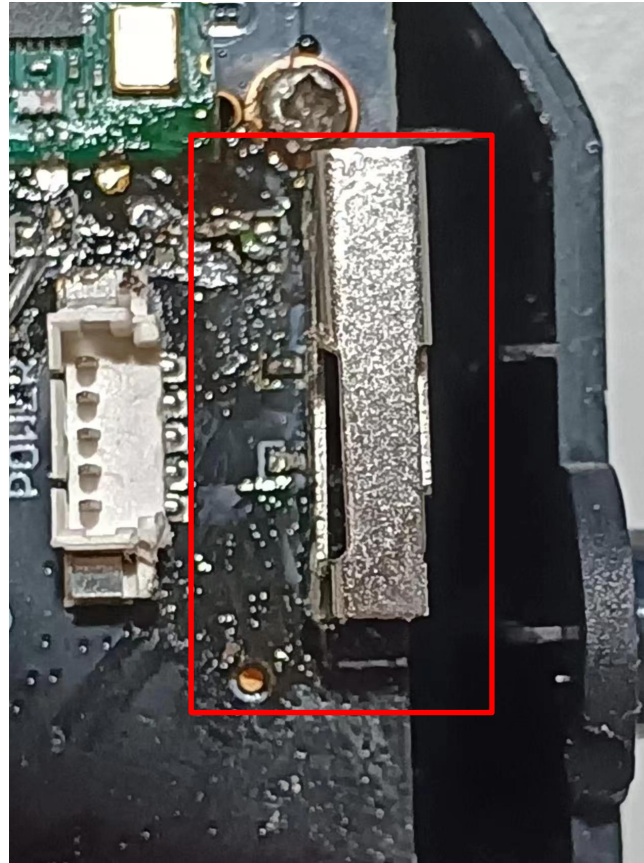
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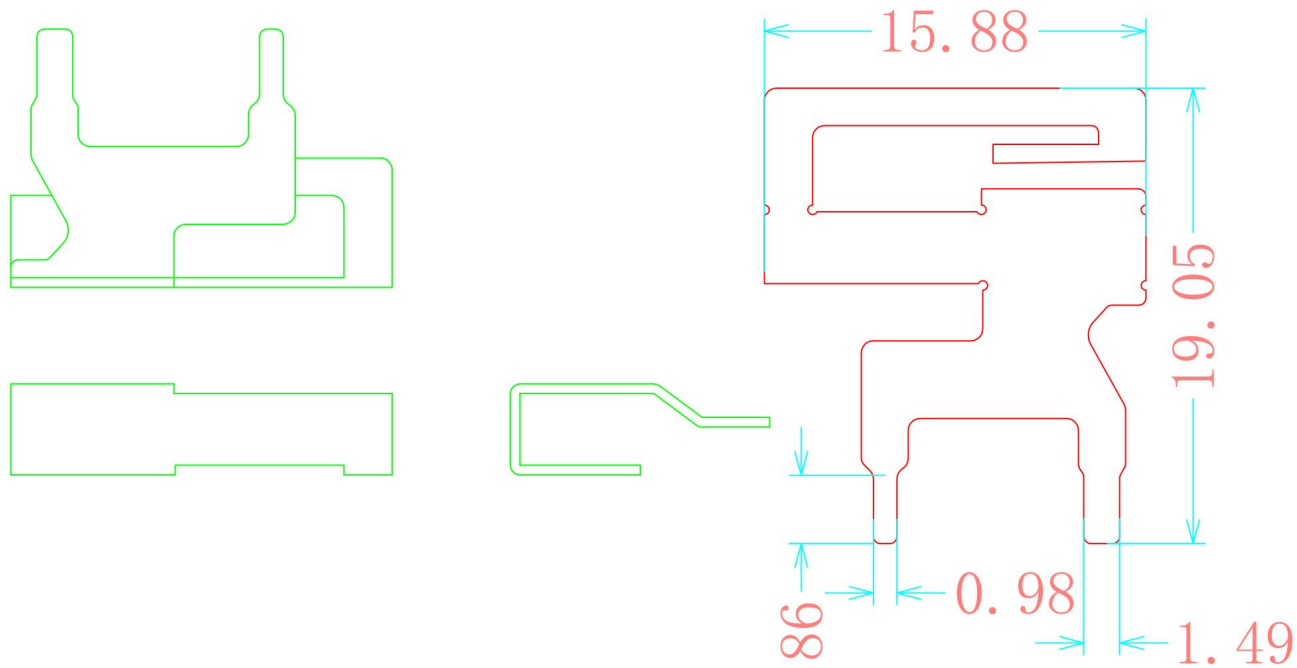
1. Product Overview

1.1 Antenna schematic diagram



1. Product Overview

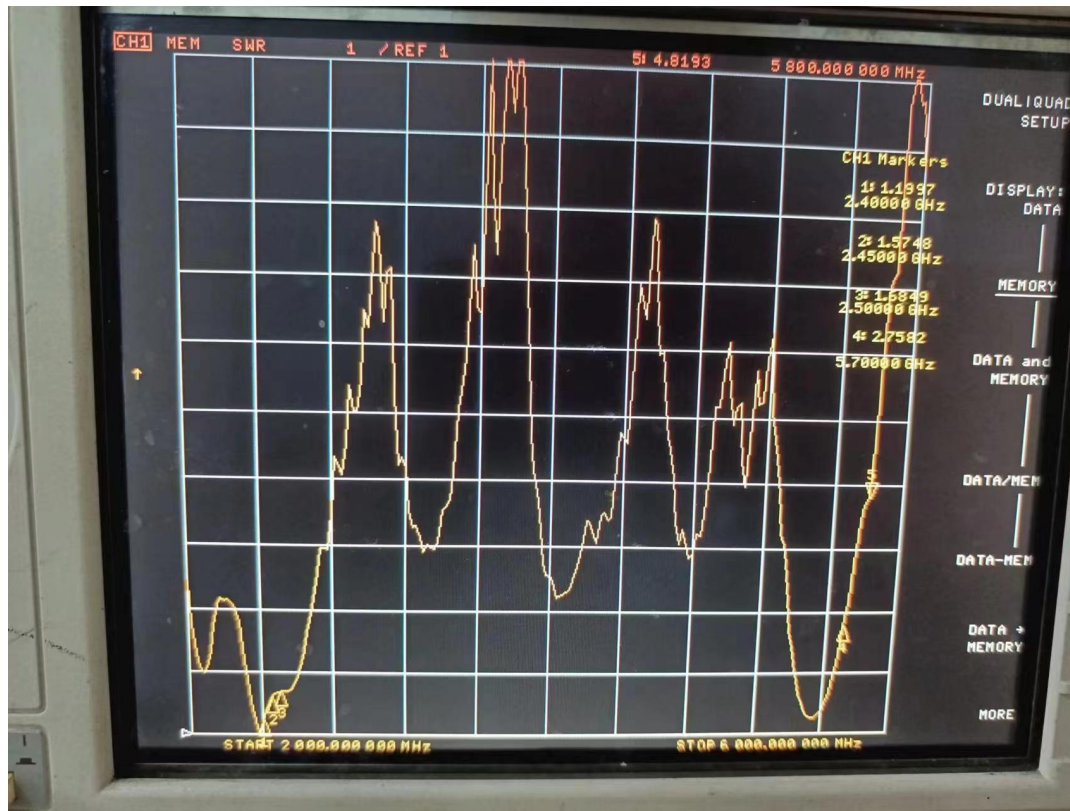
1.2 Antenna size diagram



G P 1611B- B X G - A
SUS304 T=0.4

2. Test Result

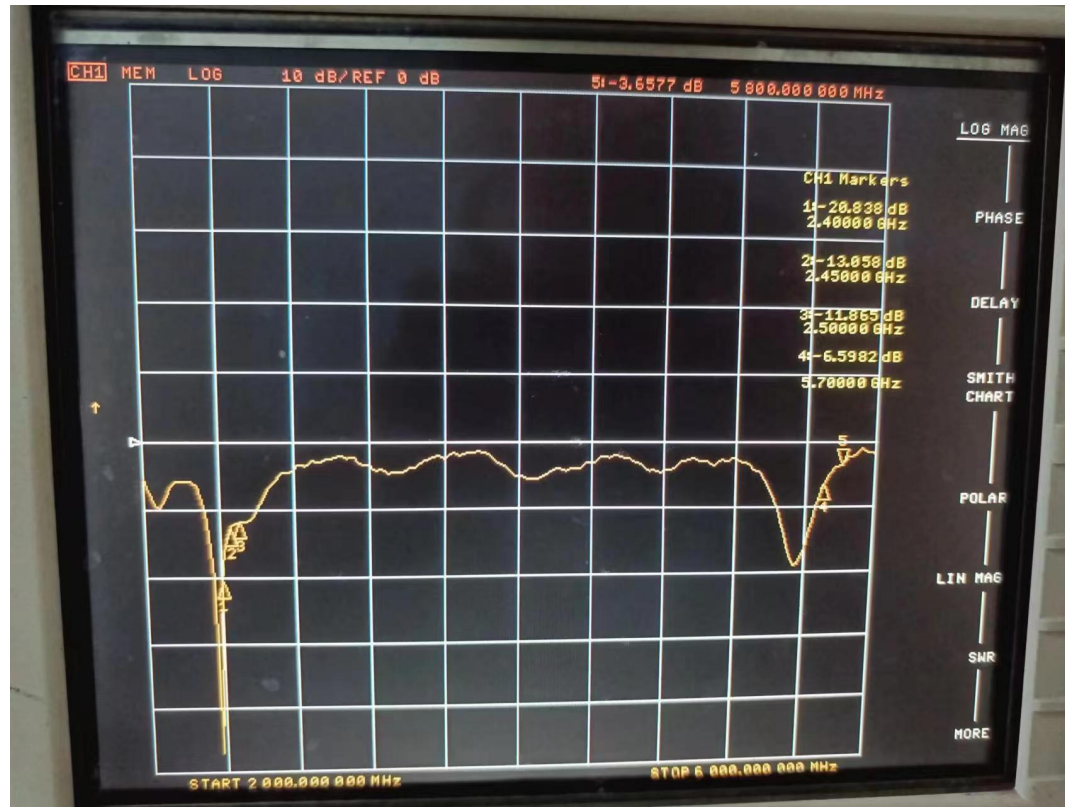
2.1 WIFI dual band antenna VSWR



Frequency (MHz)	2400	2450	2500	5100	5900
VSWR	1.19	1.57	1.68	4.95	4.81

2. Test Result

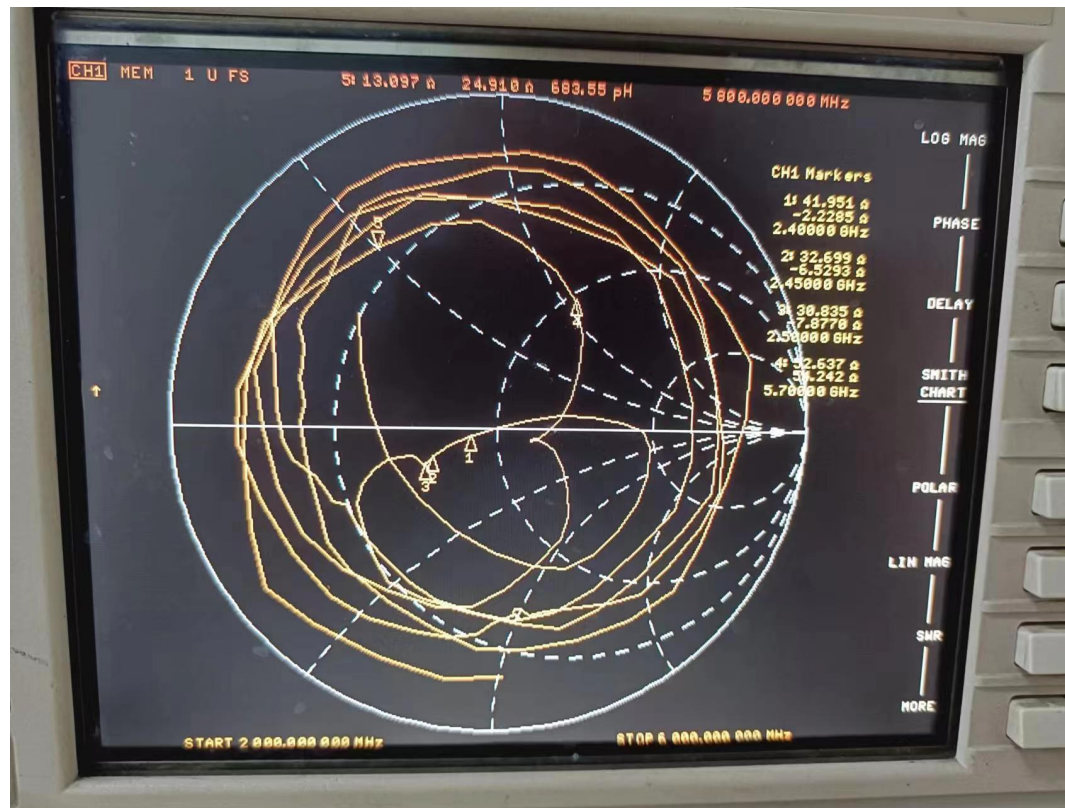
2.2 WIFI dual band antenna *RETRUN LOSS*



Frequency (MHz)	2400	2450	2500	5100	5900
RETRUN LOSS (DB)	-20.83	-13.05	-11.86	-2.99	-3.65

2. Test Result

2.3 WIFI dual band antenna *Smith Chart*



Frequency (MHz)	2400	2450	2500	5100	5900
	41.95	32.69	30.83	12.77	13.09

2. Test Result

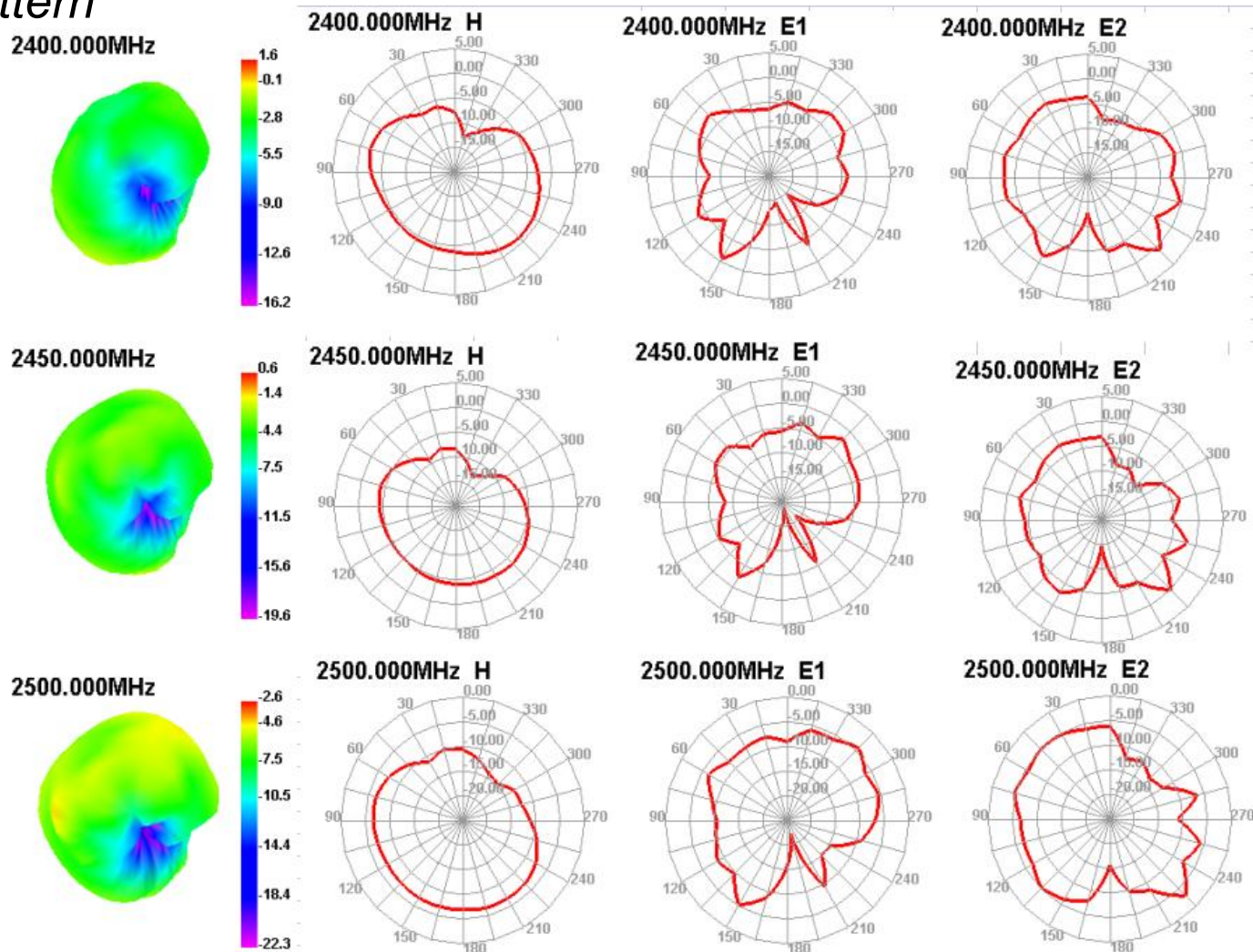
2.4 WIFI dual band antenna *GAIN & Efficiency*

Freq	Effi	Gain
(MHz)	(%)	(dBi)
2400	40.6	1.19
2410	44.14	1.19
2420	38.1	1.21
2430	40.93	1.51
2440	47.53	1.76
2450	43.23	1.66
2460	42.99	1.66
2470	44.14	1.5
2480	43.12	2.18
2490	49.77	1.74
2500	40.91	2.18

Freq	Effi	Gain
(MHz)	(%)	(dBi)
5100	46.6	1.55
5180	45.28	1.26
5260	46.03	1.47
5320	50.35	1.98
5470	49.03	1.35
5580	46.64	1.5
5670	50.33	1.31
5745	44.13	1.68
5800	44.7	1.6
5825	45.3	1.59
5900	48.17	1.63

2. Test Result

2.5 WIFI dual band antenna 2D & 3D Directional pattern



2. Test Result

2.5 WIFI dual band antenna *2D & 3D Directional pattern*

