深圳市永联无线科技有限公司

ShenZhen City Flink Wi Technology CO.,LTD.

产品承认书

SPECIFICATION FOR APPROVED

客户 CUSTOMER:	
产品名称 PRODUCTS:	Built-in FPC antenna
客户料号 PART NO:	
产品型号 Spec.:	YL-A150-V5
日期 Data:	2025.07.19

备注：承认盖章后请回复一份承认书（或复印件）给我司，其余由贵公司存档

REMARK:Please send us one(or copy)of this approval with stamp after accepting,other copies filed by the customer.

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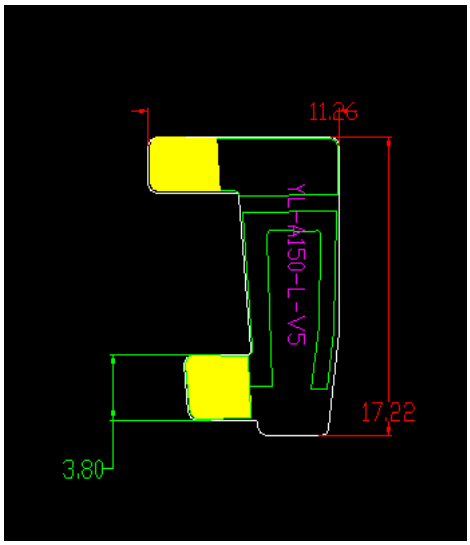
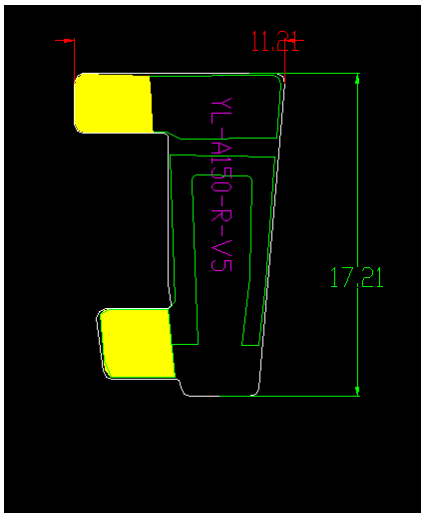
catalogue

ANTENNASPECIFICATION

Revision history

1. 项目信息 Project Information

1.1. 外观尺寸 Appearance and Dimensions

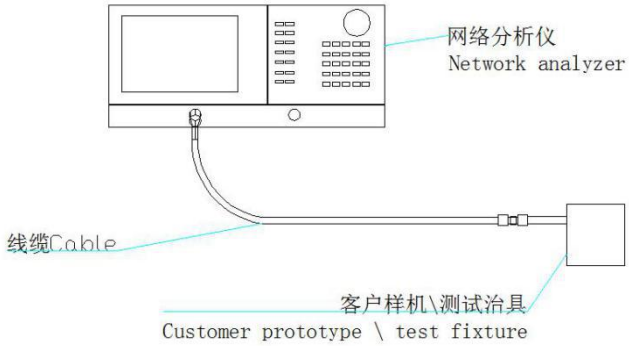
test point	Specification	test result
boundary dimension	17.22mm*11.26mm（±0.2mm）	OK
	17.21mm*11.21mm（±0.2mm）	OK
	 	

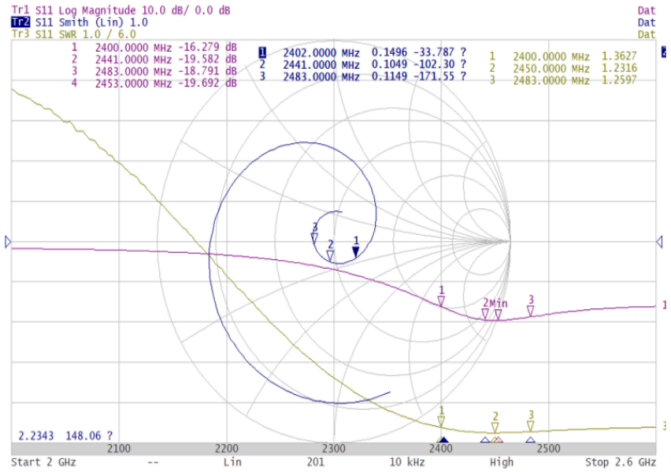
2. 电气性能 Electrical Characteristics

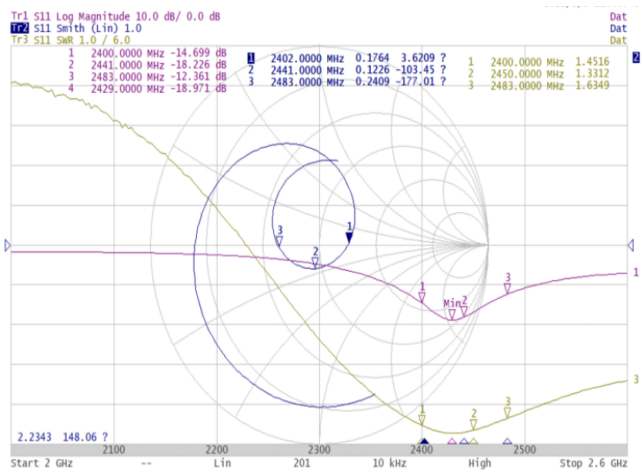
2.1. 测试环境条件 Test Environment Conditions

温度 Temperature	Ordinary Temperature (5 to 35℃)
湿度 Humidity	Ordinary Humidity (25 to 85% RH)

2.2. 测示方法 Measurement method

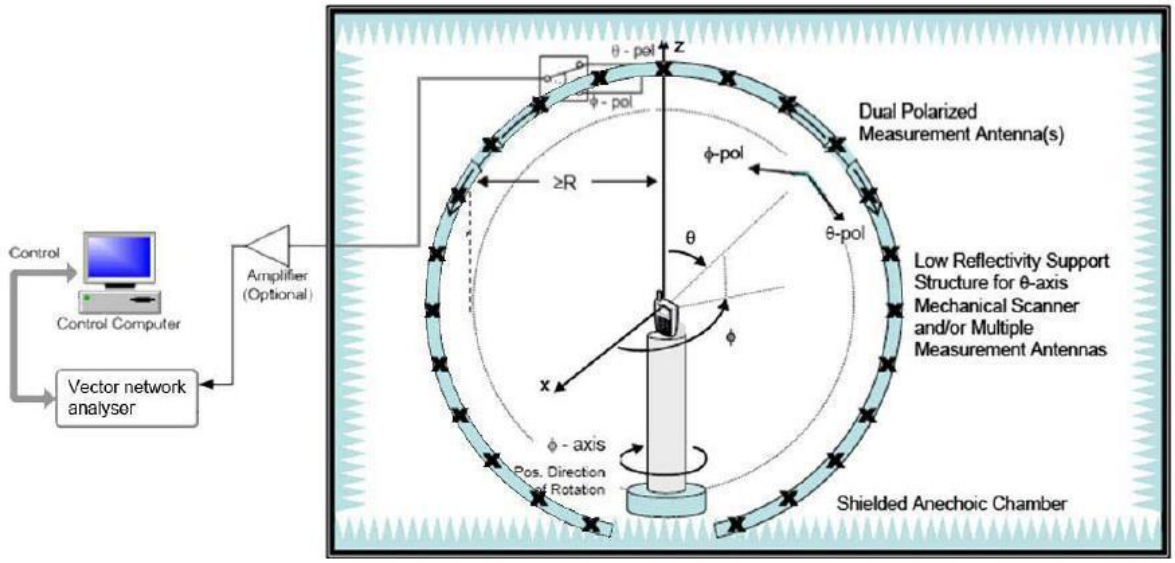






2.3. 效率及增益 **Efficiency** and Gain

2.3.1. 测试系统 Test system

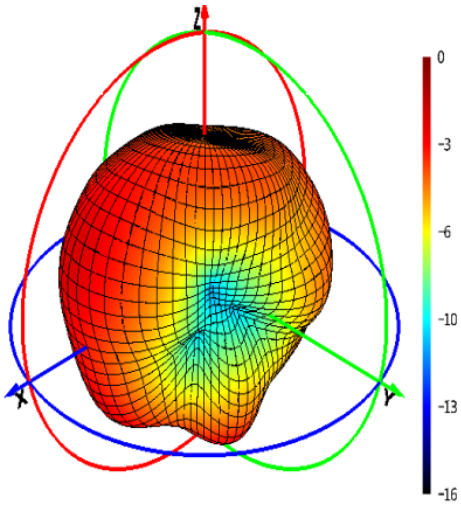


2.3.2. 无源数据 No-source test data

L-Gain&Efficiency 增益、效率			
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400	-0.55	-4.38	29.49
2410	-0.99	-4.73	31.67
2420	-0.37	-4.6	32.66
2430	-0.41	-4.86	31.67
2440	-1.09	-5.12	32.76
2450	-0.81	-5.29	33.58
2460	-0.9	-5.62	31.42
2470	-1.15	-5.79	31.38
2480	-0.79	-5.93	30.5
2490	-1.46	-6.73	29.25
2500	-1.39	-6.69	28.42

R-Gain&Efficiency 增益、效率			
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(dB)	efficiency 效率(%)
2400	-1.89	-5.98	25.21
2410	-1.38	-5.52	28.06
2420	-0.97	-5.35	29.19
2430	-1.3	-5.3	29.51
2440	-0.82	-4.97	31.84
2450	-0.65	-5.01	31.55
2460	-1.02	-5.07	31.15
2470	-0.65	-4.9	32.32
2480	-0.61	-5.05	31.24
2490	-1.31	-5.45	28.5
2500	-0.8	-5.31	29.42

2.3.3. 3D Radiation Drawing



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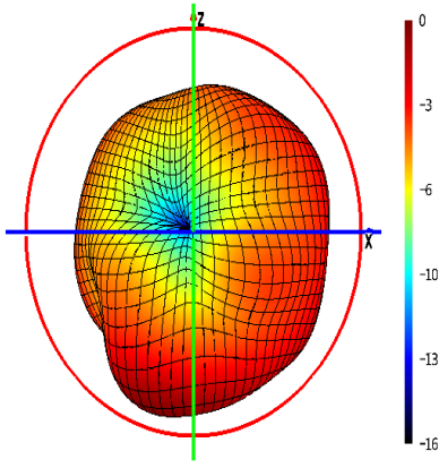
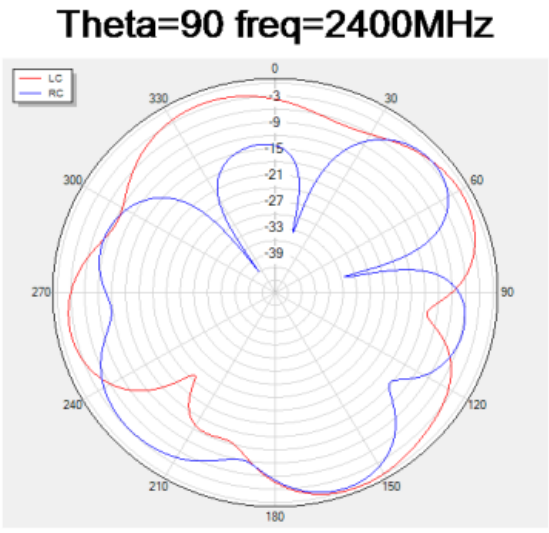


R

2.3.4. directional drawing of horizontal plane



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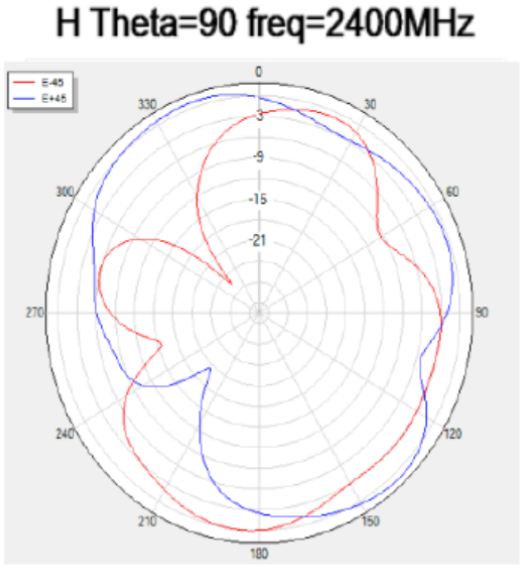

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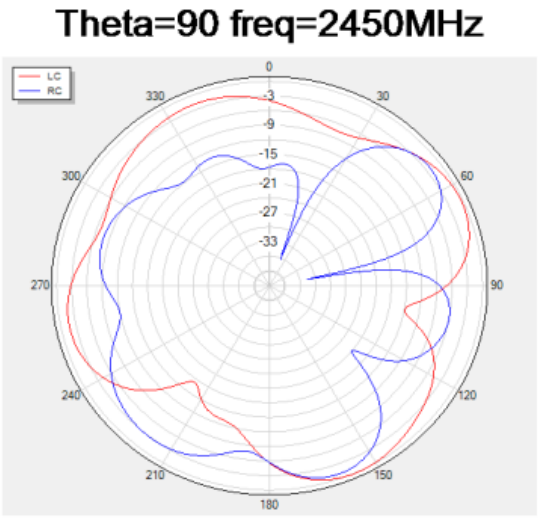
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LC
RC
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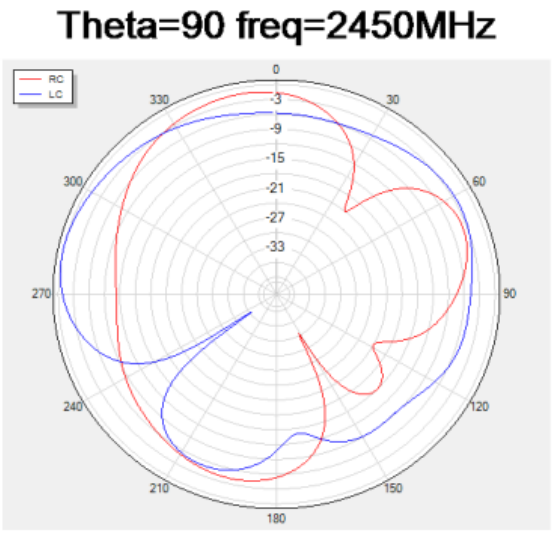
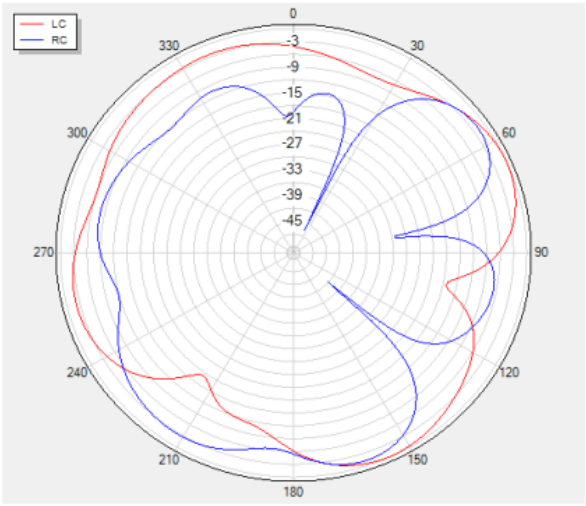
-3
-9
-15
-21
-27
-33
30
60
90
120
150
180
210
240
270
300
330

L


Theta=90 freq=2450MHz
RC
LC
0
-3
-9
-15
-21
-27
-33
30
60
90
120
150
180
210
240
270
300
330

R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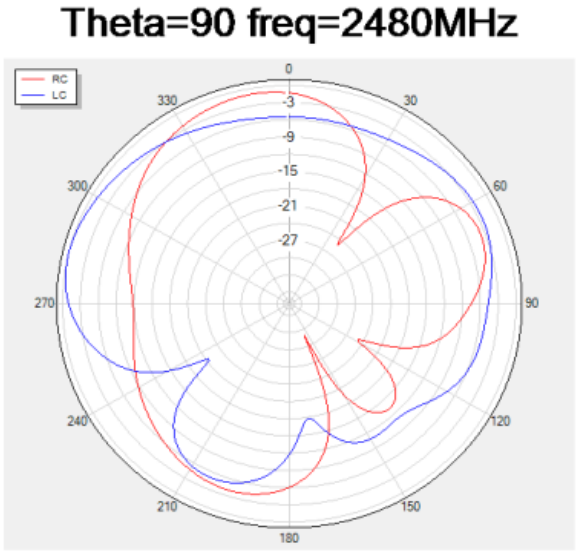
LC
RC
0
-3
-9
-15
-21
-27
-33
-39
-45
30
60
90
120
150
180
210
240
270
300
330

L


Theta=90 freq=2480MHz
RC
LC
0
-3
-9
-15
-21
-27
30
60
90
120
150
180
210
240
270
300
330

R