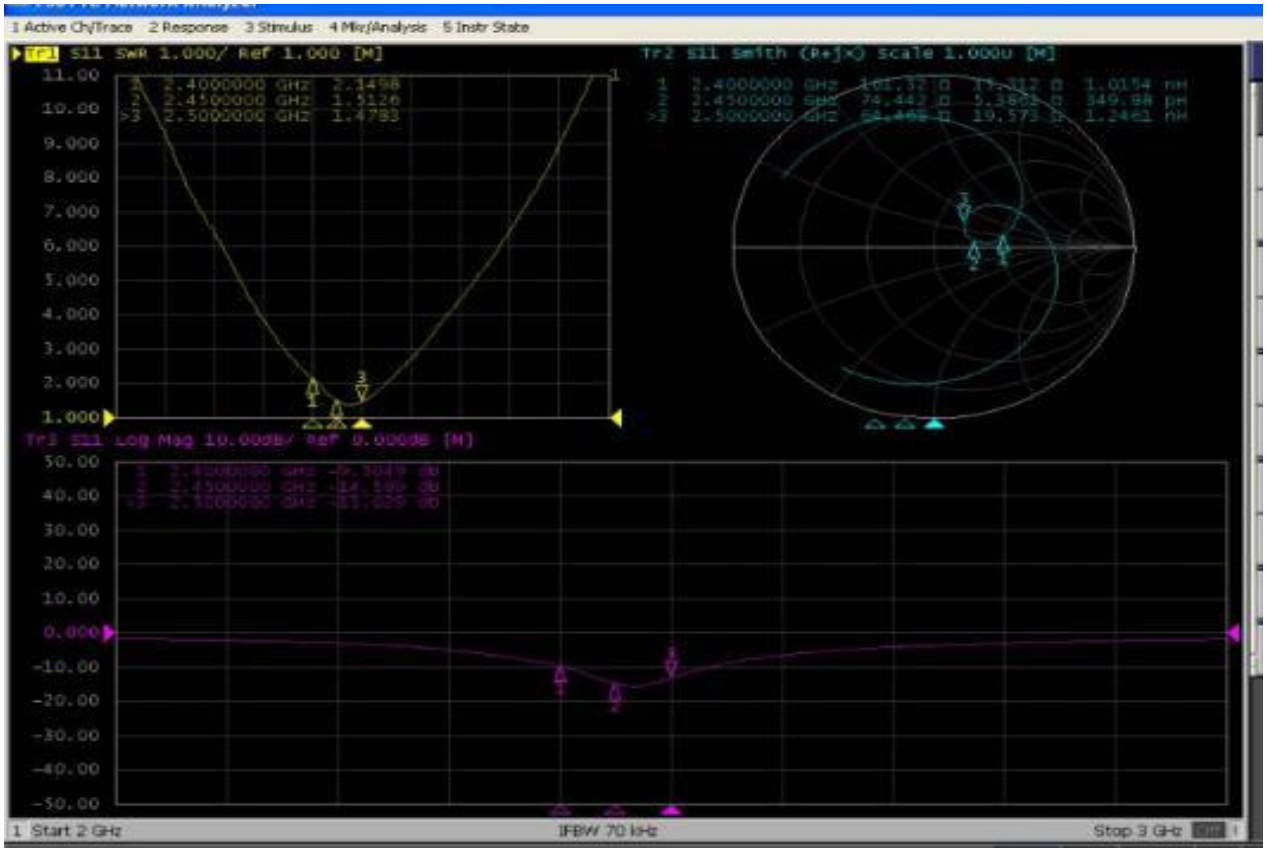
1.Product Specification

A. Electrical Characteristics	
Frequency	**2400MHz ~2500 MHz**
VSWR	**<2.0**
Efficiency	**>40%**
Impedance	**50Ohm**
Polarization	**Linear**
Gain	**1.39dBi**
B. Material & Mechanical Characteristics	
Material of Radiator	**Metal**
Cable Type	**N/A**
Connector Type	**N/A**
Dimension	**19.0*3.50*3.75(H)mm**
C. Environmental	
Operation Temperature	**- 20 ˚C ~ + 70 ˚C**
Storage Temperature	**- 30 ˚C ~ + 85 ˚C 40%~95%**
Humidity	

2.Test Report

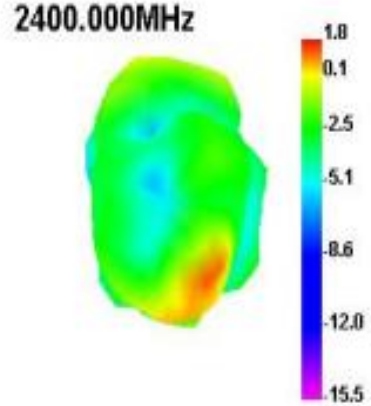
2.1 Voltage Standing Wave Ratio(VSWR).

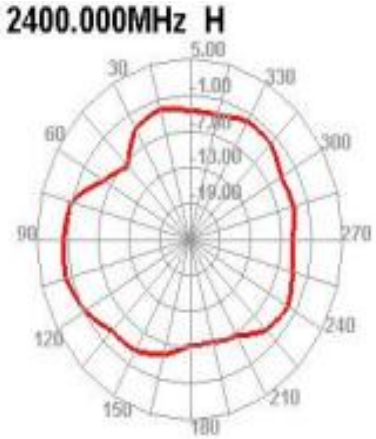


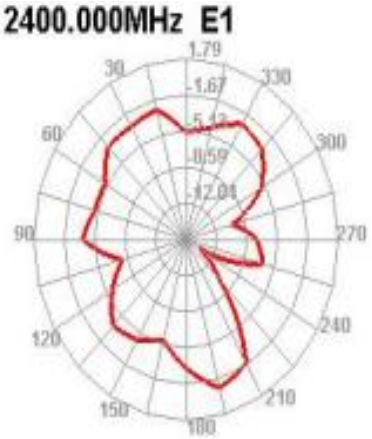
2.2 Efficient and gain.

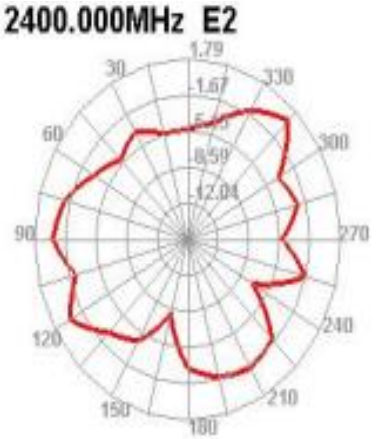
Passive Test For WIFI 2.4G	Freq(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
	Effi(%)	42.62	46.84	51.47	55.07	53.54	48.06	51.80	49.38	44.21	42.77	40.64
	Gain(dBi)	1.37	1.04	1.36	1.15	1.24	1.29	1.02	1.19	1.39	1.37	0.36

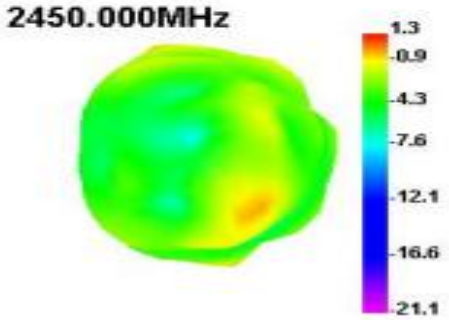
2.3 Radiation pattern.

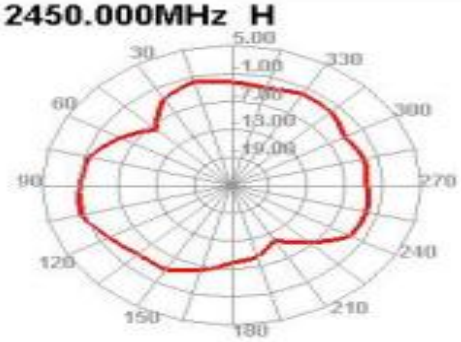


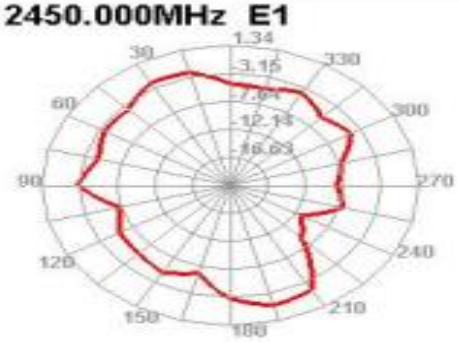


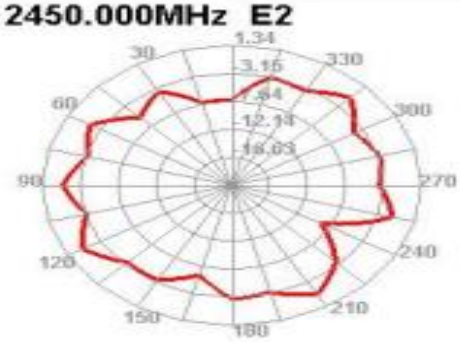


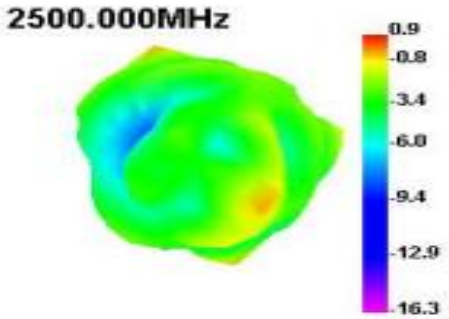


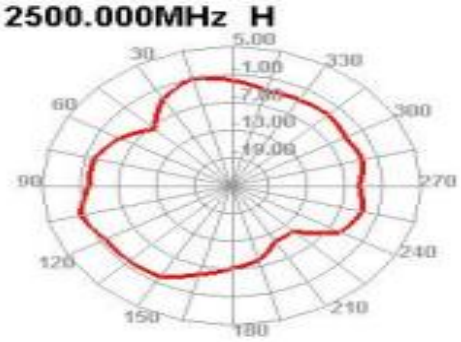


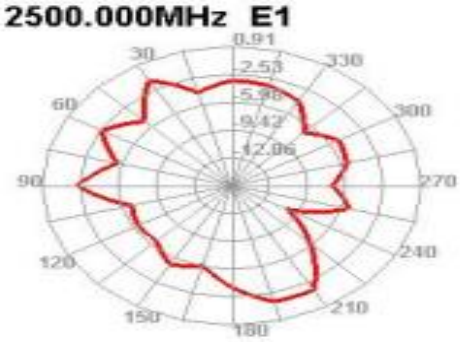


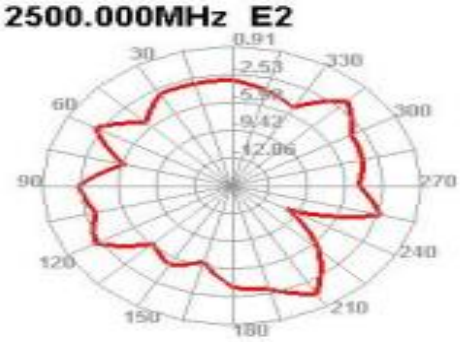






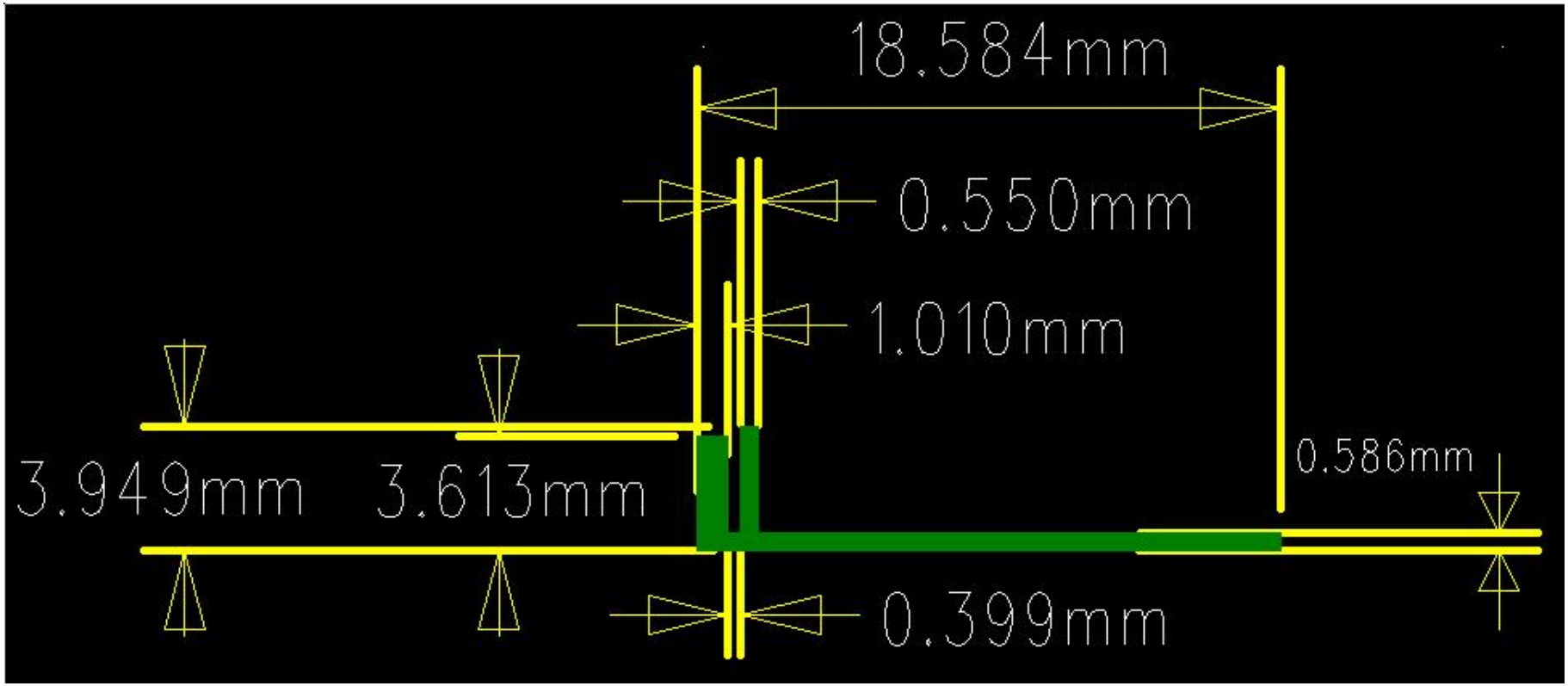






3.Reliability Test

Test Item		Test condition	Equipment	Specification	Result
1	Low Temp. Storage Test	Temperature: -30℃, Time:48hrs Test condition: Placing antenna in a Low/High Temperature Chamber, keep the temp is 25 ℃ and humidity is 65% for one hour, then step-down the temp. to -30℃ in one hour, store antenna for44 hours; step-up temp to 25℃,test antenna after 2 hours.	Temp.&Humi. Tester	No material deformation is allowed. Electronic Performance is ok .	PASS
2	High Temp./High Humid Storage Test	Temperature: 85℃ Humidity: 85% RH Time:48hrs Test condition: Placing antenna in a Low/High Temperature Chamber, keep the temp is 25 ℃ and humidity is 65% for one hour, then step-up the temp. to 80 ℃ and the humidity up to 85% in one hour, store antenna for 44 hours; step-down tempto 25 ℃ ,test antenna after 2 hours.	Temp.&Humi. Tester	No material deformation is allowed. Electronic Performance is ok .	PASS
3	Salt-Spray 6 pray Test	Placing antenna in the Salt-Spray Tester ,set the test condition ，Temp: 35±2℃ Humidity: 85% NaCl salt spray :5±1%.PH value :6.5~7.2 Testtime:24hours	Salt-Spray Tester	No color change No appear rusting	PASS


18.584mm
0.550mm
1.010mm
3.949mm
3.613mm
0.586mm
0.399mm