

深圳市安威无线科技有限公司

承认书

APPROVAL SHEET

客户 Customer	维拍	规格型号 Specs	VO33T
安威料号 Part Number	AW006-VO33T-021-A0	频 段 Frequency Band	2.4G-WIFI
颜 色 Color	黑色	版 本 Edition	REV:A0
销 售 Salesperson	黄河	设 计 Design	黄河
结 构 Structure	覃云林	确 认 Confirm	
日 期 Date	2024.01.20	签字日期 Signing Date	

客户确认 Customer confirmation:
携手共进 共创未来 Join hands to create the future

1. Product specifications

The report mainly provides the parameter test of V033T antenna performance. The V033T antenna is a WIFI antenna. (As shown in Figure 1 below)

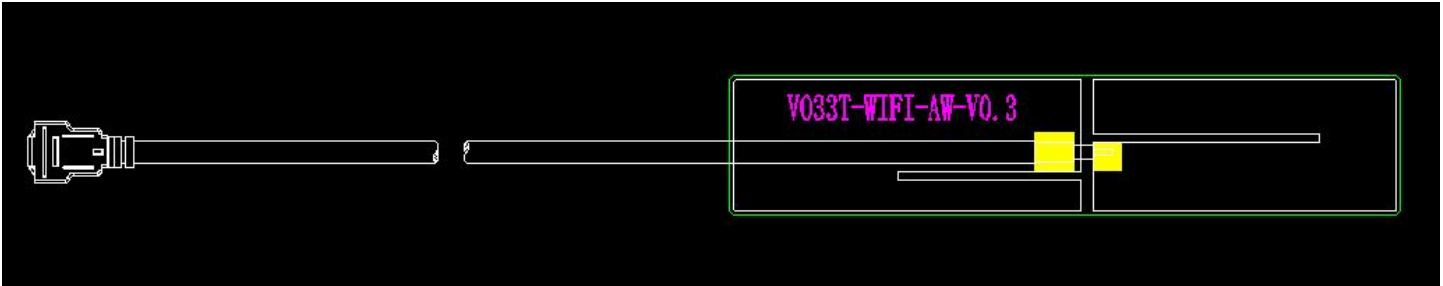


Figure 1 V033T antenna

2. Electrical performance

1. Specifications and standards

V033T antenna operates at 2400–2480 MHZ, and resonates in this frequency band.

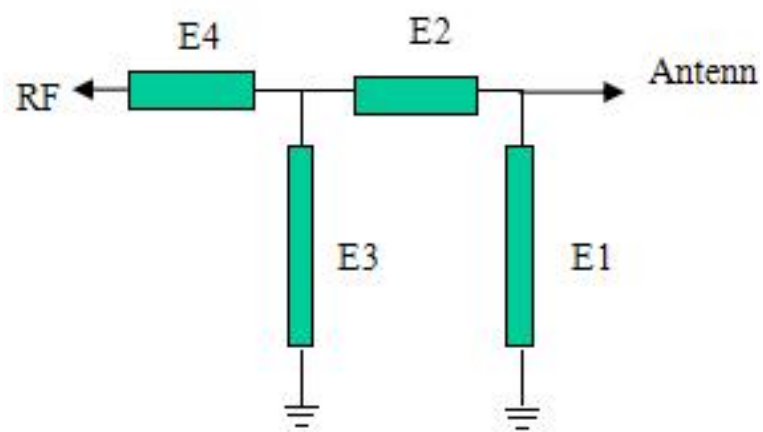
2. Antenna matching circuit

Antenna structure: FPC+ coaxial line

匹配电路（Matching circuit）

	主天线 Main Antenna	BGW	DRX	GPS
Element	Value	Value	Value	Value
E1（0201）				
E2（0201）				
E3（0201）				
E4（0201）				

(The accuracy of the matching value is recommended to use higher)



RF1	N/A	N/A
RF2	N/A	N/A
RF3	N/A	N/A
RF4	N/A	N/A

1. Test site

AW microwave darkroom: The test frequency range is 400MHz - 6GHz, the static zone range is 40cm circle, and the reflectivity is less than -90 dB.

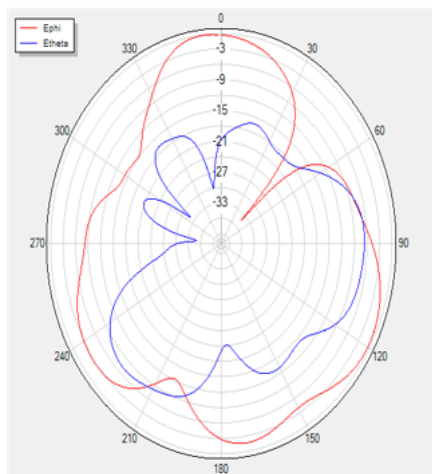
2. Test results.

The following is the test result of WIFI antenna of V033T project:

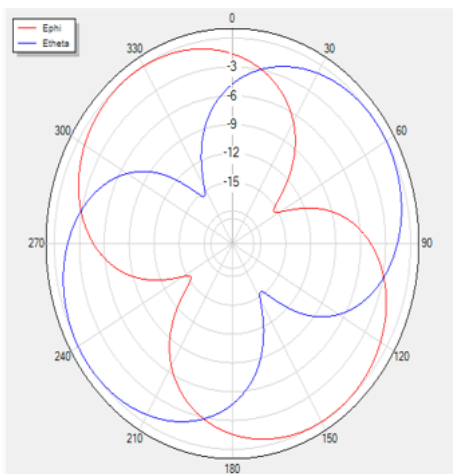
整机	Channel	TRP (dBm)	TIS (dBm)
WIFI-B	1	13.01	-68.56
	6	13.23	-76.64
	11	13.73	-77.42
WIFI-G	1	13.56	-56.24
	6	13.2	-64.96
	11	14.38	-66.89
WIFI-N	1	13.7	-56.3
	6	13.62	-64.99
	11	14.46	-65.01

Gain&Efficiency 增益和效率			
frequency 频率 (MHz)	gain 增益 (dBi)	efficiency 效率 (dBi)	efficiency 效率 (%)
2400	2.34	-3.53	54.40
2410	2.1	-3.19	51.00
2420	2.7	-2.55	55.59
2430	1.88	-2.92	51.07
2440	2.05	-2.76	52.91
2450	2.72	-2.69	53.84
2460	3.3	-2.41	57.40
2470	3.19	-2.62	54.76
2480	3.73	-2.45	56.89
2490	4.05	-2.37	58.00
2500	3.97	-2.46	56.69

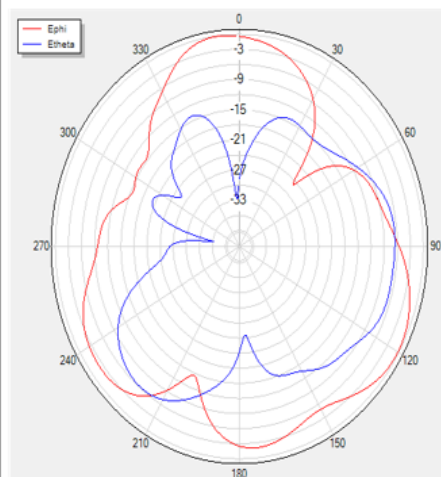
H Theta=90 freq=2400MHz



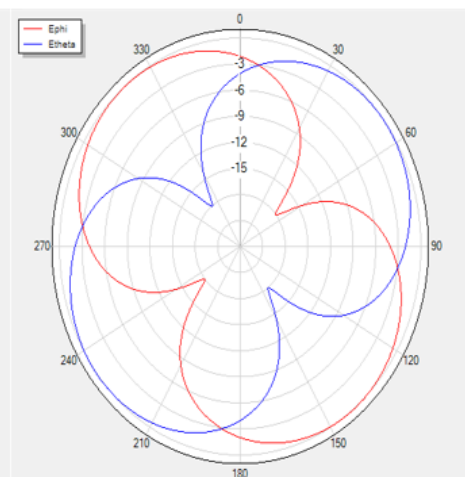
H Theta=0 freq=2400MHz



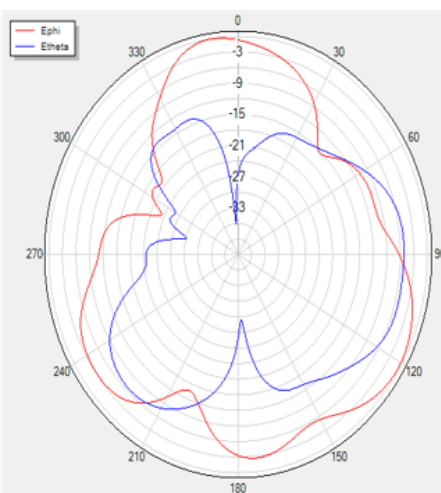
H Theta=90 freq=2440MHz



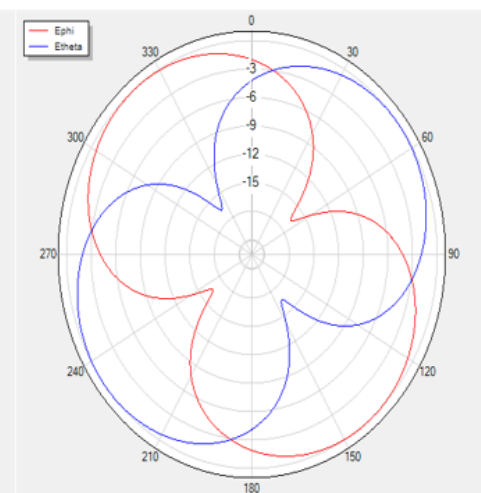
H Theta=0 freq=2440MHz

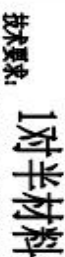


H Theta=90 freq=2480MHz



H Theta=0 freq=2480MHz





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