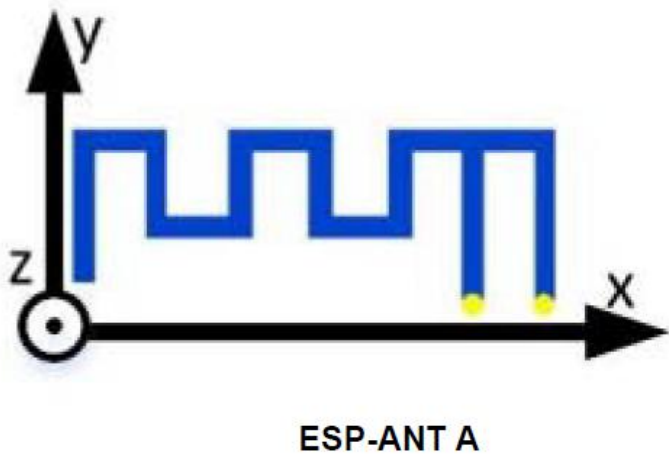


Antenna Specification

1. Antenna describe:

Antenna gain	3.71 dBi
Antenna model	ESP-ANT A
Frequency range	2400MHZ-2500MHZ
Connector type	Direct
Model Name	2.4G F ANT
Impedance	50 Ohm
Antenna type	PCB ANT
Manufacture	QUFU YUQIAOFU TECHNOLOGY CO., LTD No. 8 Chuangye Avenue, Qufu Economic Development Zone (Lucheng)

PCB Antenna:



2. Antenna Radiation Pattern
Gain and Efficiency

Model	Test Item	Test State	Frequency (MHz)	Efficiency (dB)	Gain (dB)	Note
ESP-ANT A	Gain	Free Space	2400	67.24	3.08	Vertical 30°
			2402	68.24	3.18	
			2410	70.74	3.27	
			2420	77.67	3.66	
			2430	78.20	3.71	
			2440	78.11	3.68	
			2450	77.14	3.64	
			2460	74.79	3.52	
			2470	75.60	3.60	
			2480	74.55	3.52	
			2490	73.05	3.56	
			2500	71.38	3.48	

2-D Pattern Plots

