

Antenna Specification

• **Manufacturer: Shenzhen PIPA antenna design Co.,LTD.**

Address of manufacturer: ZUnit F/4F, buildingA, Junxiangda, Plada,
Zhongshanyuan Road, Nanshan District, Shenzhen

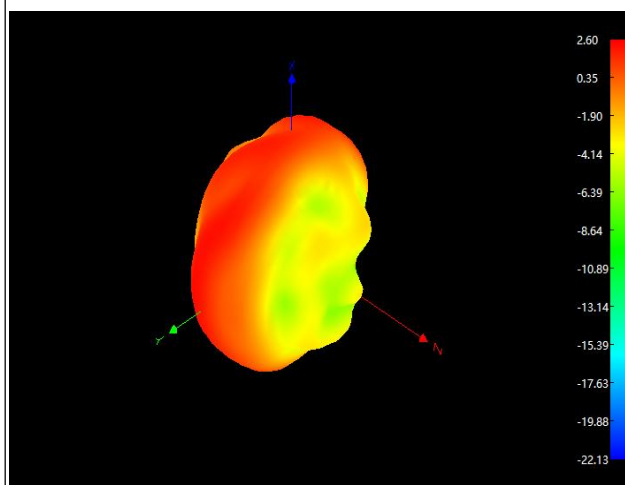
2.1 Basic Specifications

No.	Specification	Descriptions	Notes
1	Antenna model	<u>PF0138-WiFi-A5(Station F1)</u>	
2	Antenna type	WIFI Antenna-PIFA	
3	Operation Frequency	2.4-2.483GHz 5.15-5.85GHz	
4	Impedance	50ohm	
5	MAX Gain	3.48 <u>dBi@2.4~5GHz</u>	
6	Efficiency	$\geq 40\%$	
7	VSWR	≤ 2.5	
8	Material quality	Stainless steel nickel plating	

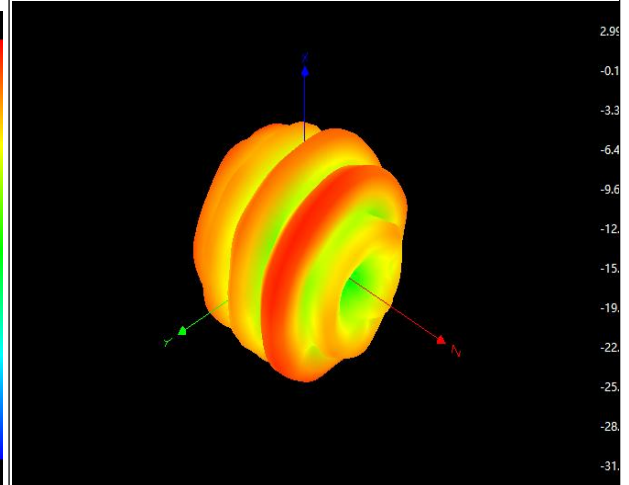
1.2 radiation pattern

Frequenc y / MHz	Efficienc y / dB	Efficienc y / %	Gain/ dBi	Frequenc y / MHz	Efficienc y / dB	Efficienc y / %	Gain/ dBi
2400	-2.69	53.83	2.95	5250	-2.75	53.1	2.92
2410	-2.38	57.76	3.12	5270	-3.17	48.21	2.8
2420	-2.49	56.37	2.6	5290	-3.27	47.15	2.98
2430	-2.31	58.71	3.1	5310	-3.28	47.02	2.95
2440	-2.32	58.55	3.23	5330	-2.67	54.12	3.47
2450	-1.80	66.03	3.13	5350	-3.24	47.41	3.08
2460	-2.54	55.77	2.62	5725	-2.99	50.26	3.07
2470	-2.54	55.77	2.94	5745	-2.92	51.09	3.48
2480	-2.29	59.02	2.84	5765	-2.92	51.09	3.34
5150	-2.49	56.37	3.56	5785	-2.84	51.94	3.5
5170	-2.57	55.31	3.5	5805	-2.63	54.57	3.64
5190	-2.56	55.46	3.13	5825	-2.61	54.86	3.7
5210	-2.74	53.24	2.99	5845	-2.96	50.53	3.36
5230	-3.20	47.81	2.38				

Technical Specification

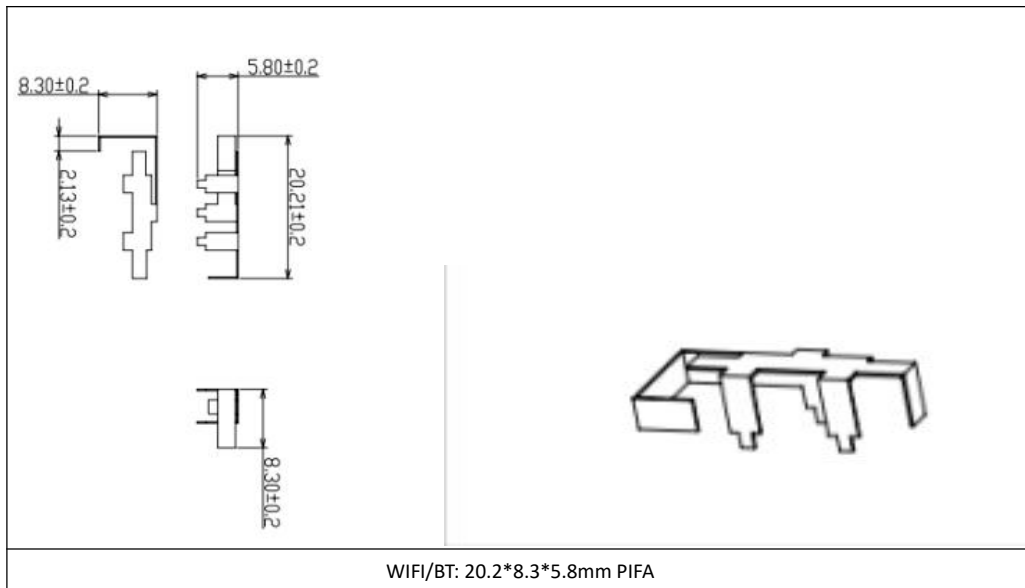


WIF/BT1: 2420Mhz



WIFI/BT: 5210Mhz

1.3 Antenna Size



1.4 Physical picture

