

DesignerL:SHENZHEN Chuangwei-RGB ELECTRONICS CO.,LTD.
Address:Skyworth Science Industrial Park,Tangtou Industrial Zone,Shiyan Town,Baoan District,Shenzhen,China.
Manufaturer:Fengxingda ELECTRONICS CO.,LTD.
Address:Jiading Town Industrial Park,Xinfeng County,Jiangxi Province,China.

- 1: Antenna model: Inverted F antenna (IFA)
- 2: Antenna type: PCB antenna
- 3: Gain: 2.5dBi
- 4: The antenna is shown in Figure 1
- 5: Model: N012102-02

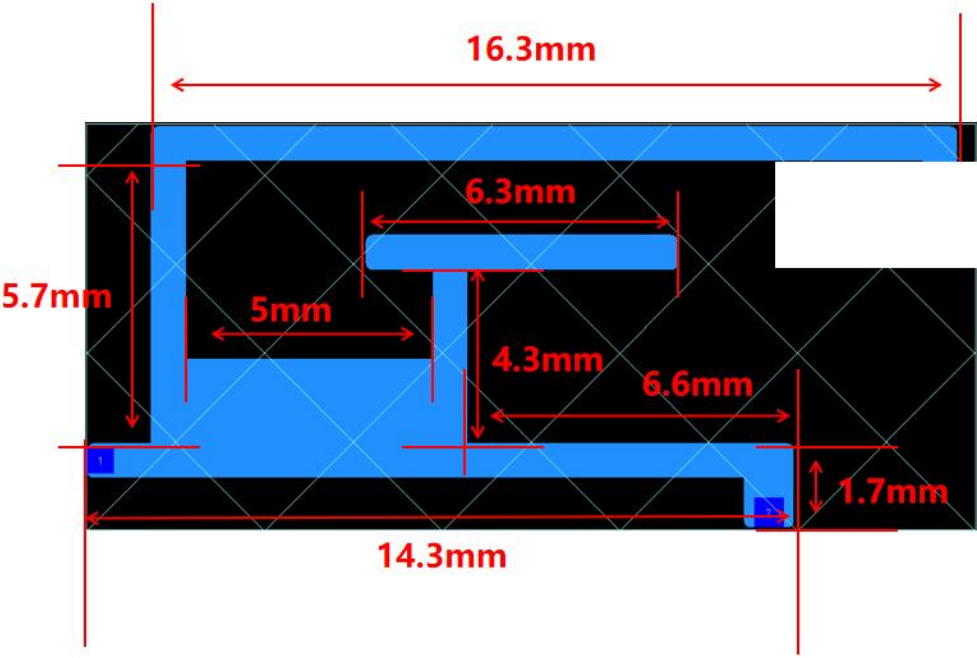


Figure 1

5: Antenna Efficiency and Gain

Antenna	Freq (MHz)	Effi (%)	Gain (dBi)
	2400	44.68	1.79
	2410	45.92	1.94
	2420	47.39	2.25
	2430	49.57	2.52
	2440	51.85	2.89
	2450	50.92	2.32

2460	51.73	2.91
2470	52.08	3.01
2480	51.77	2.98
2490	48.96	2.46
2500	47.38	2.41
5200	43.37	2.11
5250	42.35	2.02
5300	45.48	2.35
5350	50.82	3.08
5400	51.4	3.14
5450	49.49	2.72
5500	48.04	2.67
5550	47.35	2.53
5600	45.32	2.39
5650	50.03	3.03
5700	51.49	3.28
5750	47.28	2.55
5800	46.47	2.46

6. The antenna performance is shown in Figure 2. The working frequency band covers the entire 2.4G ISM frequency band.

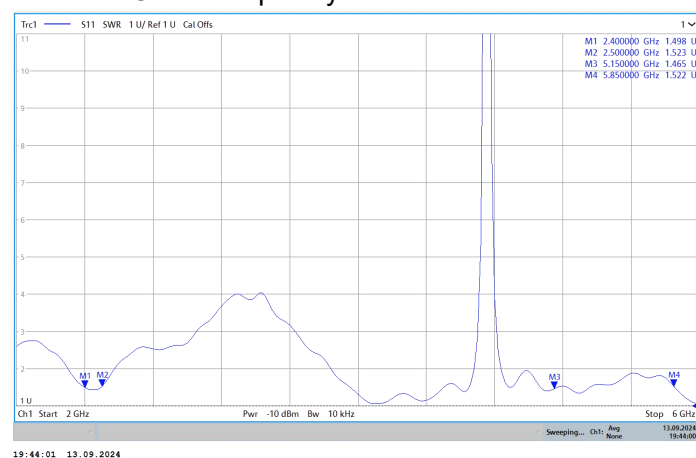
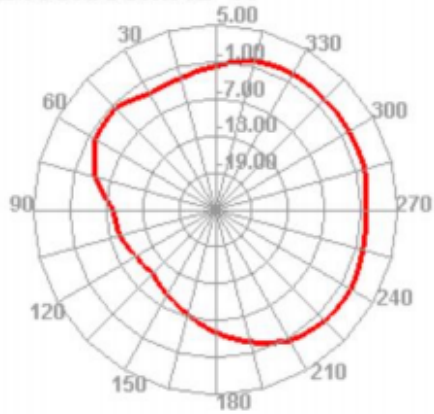


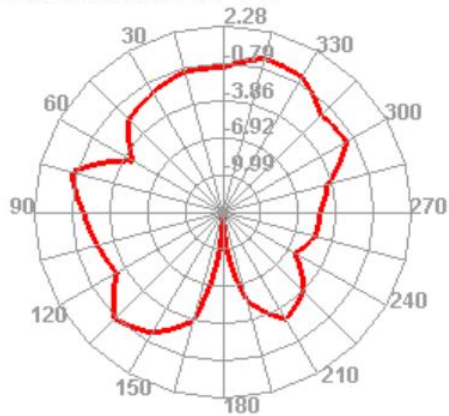
Figure 2

7: 2D antenna gains are shown in Figures 3:

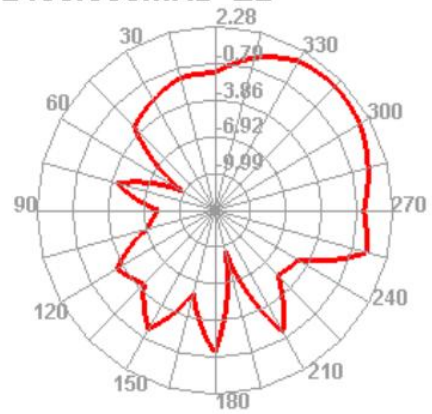
2450.000MHz H



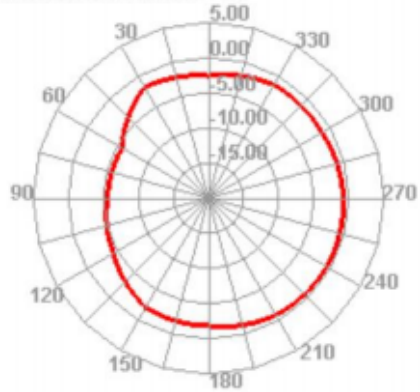
2450.000MHz E1



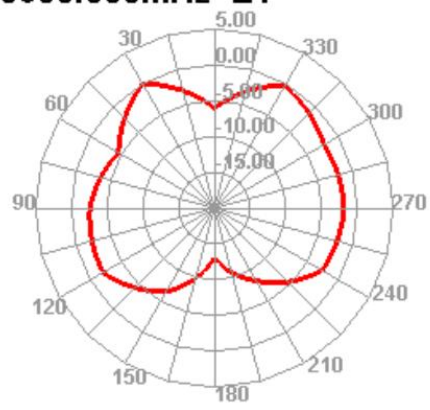
2450.000MHz E2



5600.000MHz H



5600.000MHz E1



5600.000MHz E2

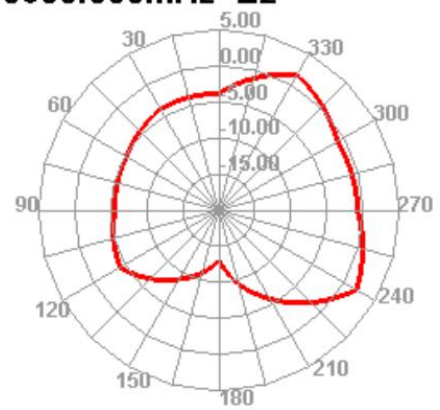


Figure 3 2D antenna efficiency