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Manufacturer: Fengxingda ELECTRONICS CO.,LTD.

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1: Antenna model: Inverted F antenna (IFA)

2: Antenna type: PCB antenna

3: The antenna is shown in Figure 1

4: Model: N012102-04

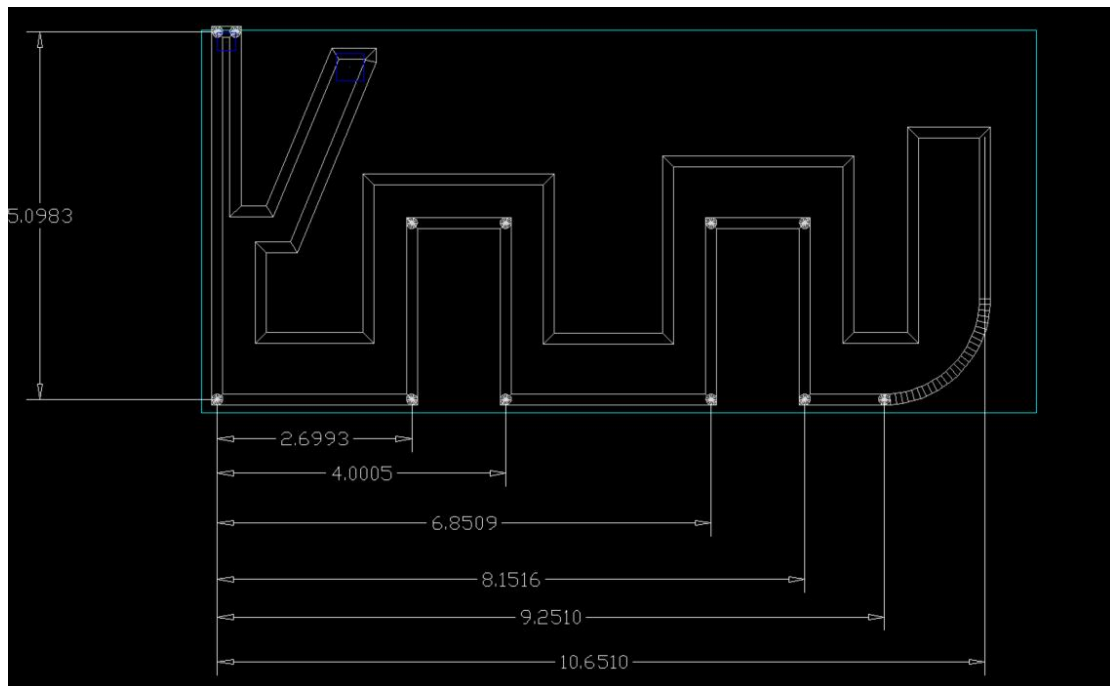
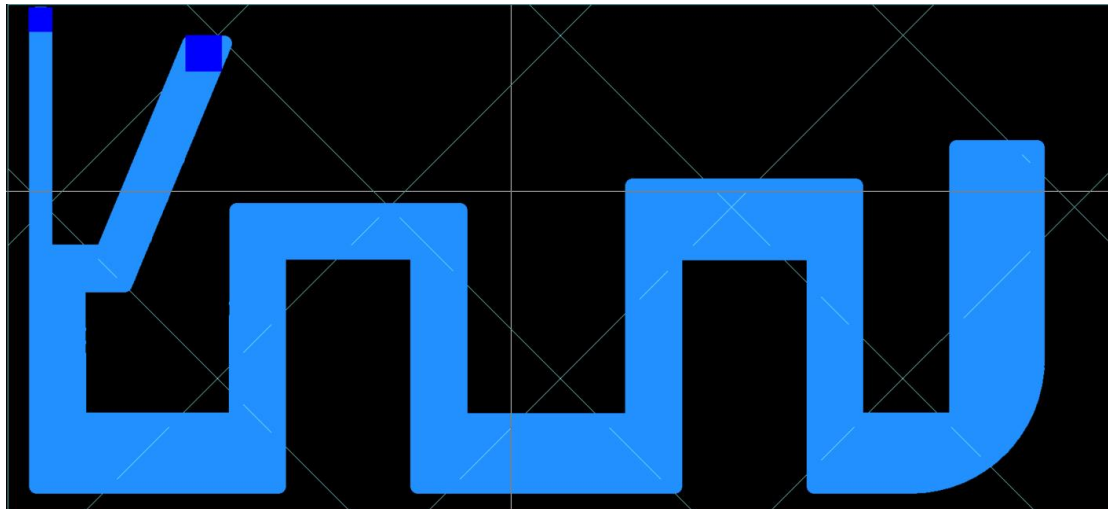
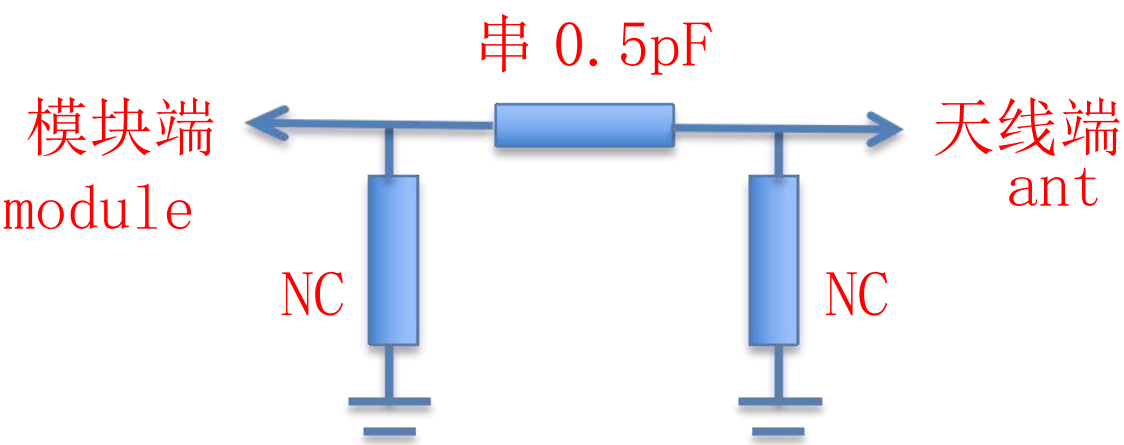


Figure 1

5: Antenna Matching Circuit Diagram



6: Antenna Efficiency and Gain

Antenna	Freq (MHz)	Effi (%)	Gain (dBi)
	2400	35.49%	3.99
	2410	35.20%	4.30
	2420	37.54%	4.18
	2430	38.87%	4.29
	2440	40.07%	4.27
	2450	41.58%	4.05
	2460	40.69%	4.29
	2470	39.19%	3.93
	2480	39.14%	4.01
	2490	38.14%	4.21
	2500	38.43%	4.18

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

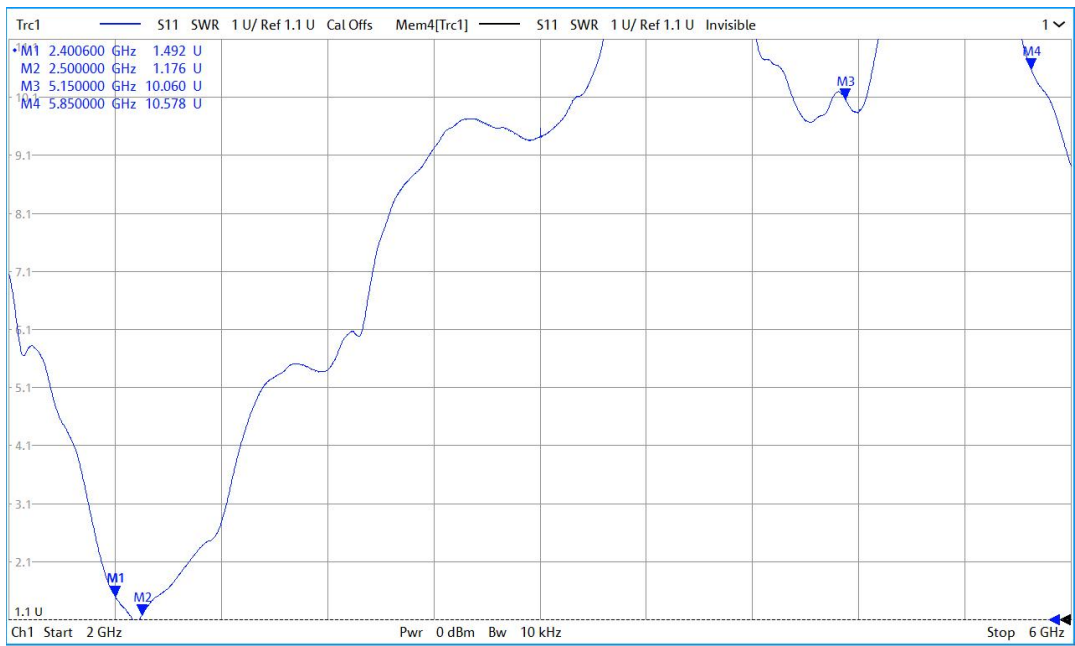
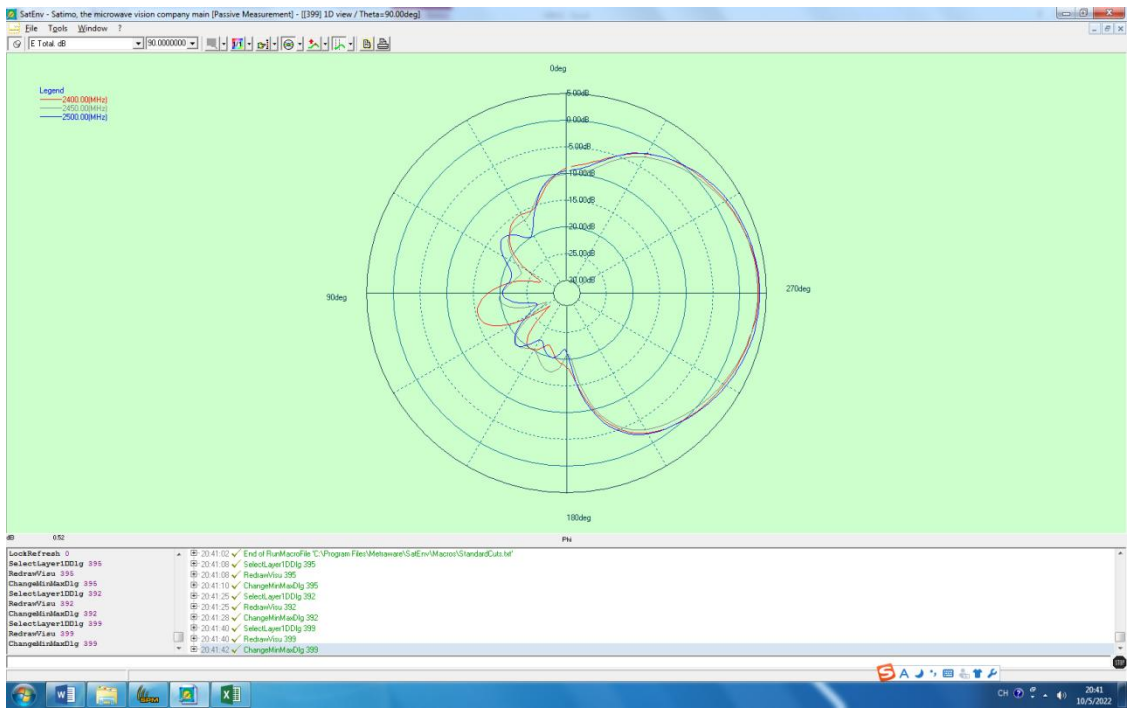


Figure 2

8: 2D antenna gains are shown in Figures 3:



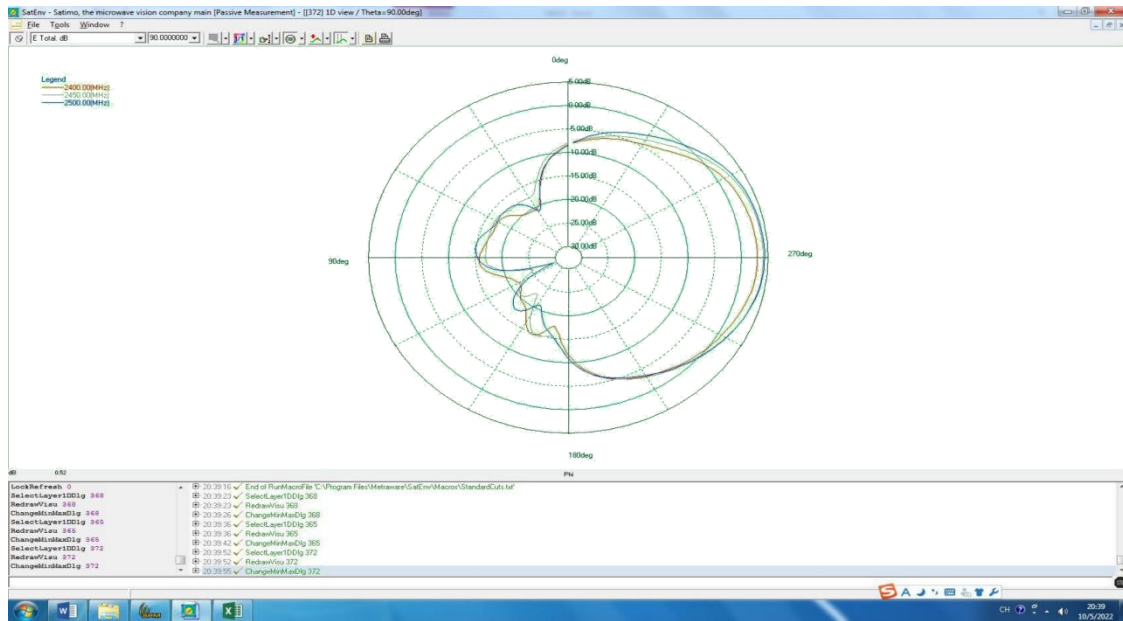


Figure 3 2D antenna efficiency