1： Antenna model: Inverted F antenna (IFA)
2: Antenna type: PCB countersunk board antenna
3： Gain: 1.5dBi
4: The antenna size is shown in Figure 1
5: Antenna manufacturer: Shenzhen Chaoran Technology Co., LTD
6: Manufacturer's Address: Building 20, Tongfuyu Industrial Zone, Longtian Street, Pingshan District, Shenzhen City

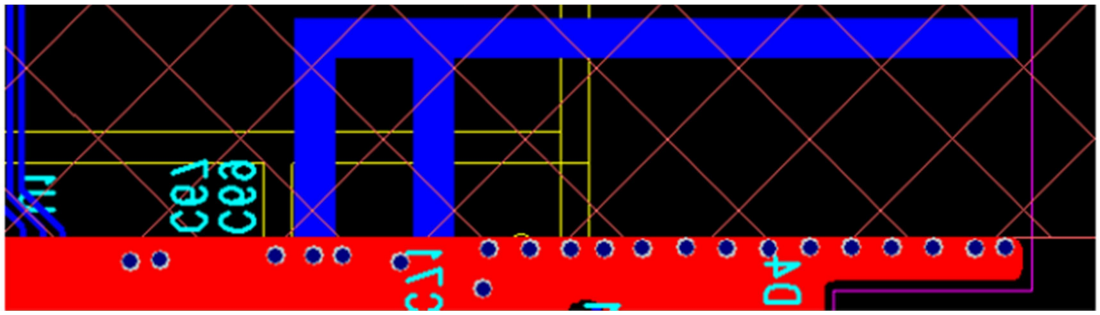

Figure 1 18.2*5.5mm

7： Antenna effeciency

Freq （MHz）	Effi （%）	Effi （dB）	Gain （dBi）
2400	36.8	-4.3	0.8
2410	40.3	-3.9	1.3
2420	40.4	-3.8	1.4
2430	41.6	-3.8	1.5
2440	40.5	-3.7	1.4
2450	40.7	-3.7	1.4
2460	41.2	-3.8	1.5
2470	40.0	-4	1.4
2480	38.0	-4.2	1.1
2490	35.9	-4.5	0.9
2500	34	-4.7	0.7

8.The antenna performance is shown in Figure 2, and the operating frequency band covers the entire 2.4G ISM frequency band.

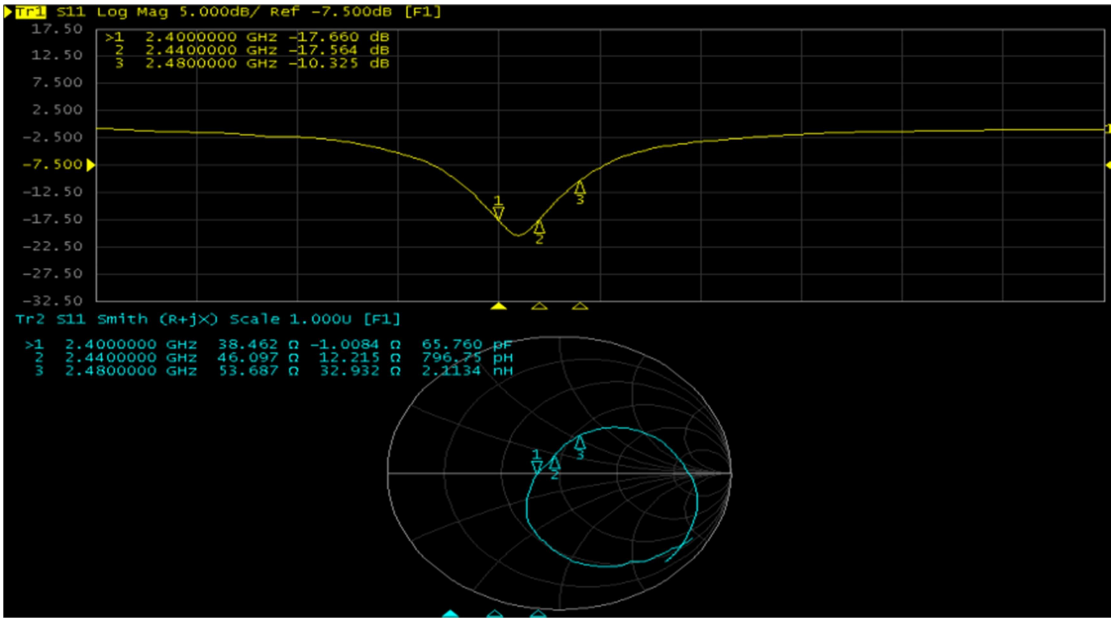

Figure 2

9：The 2D and 3D gains are as follows, reaching approximately 1.5dBi:

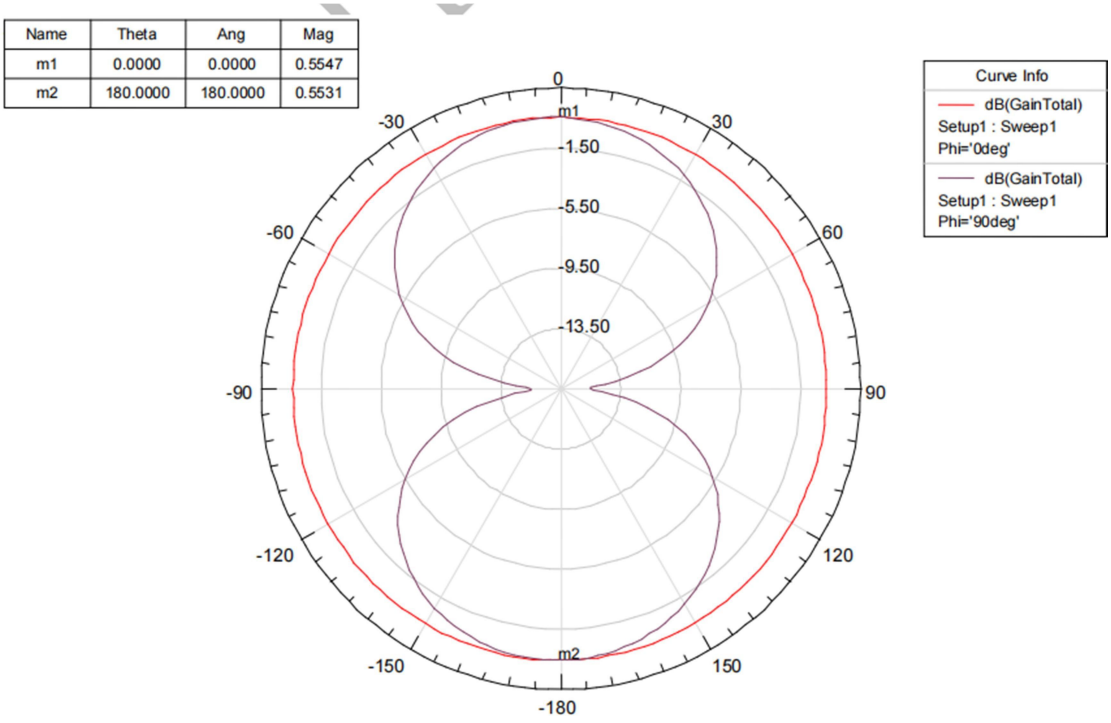

Figure 3

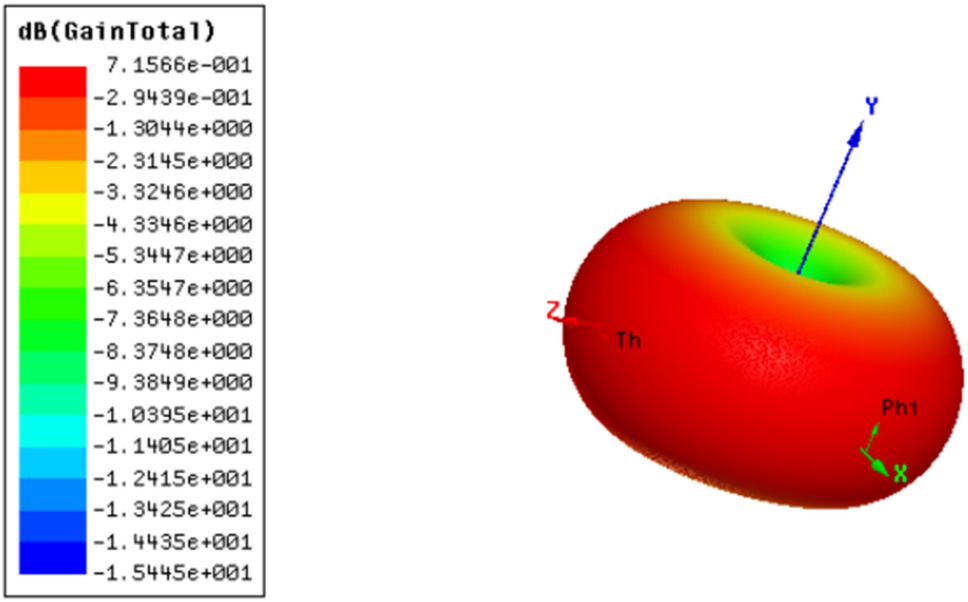

Figure 4 antenna gain