

# Antenna Describe

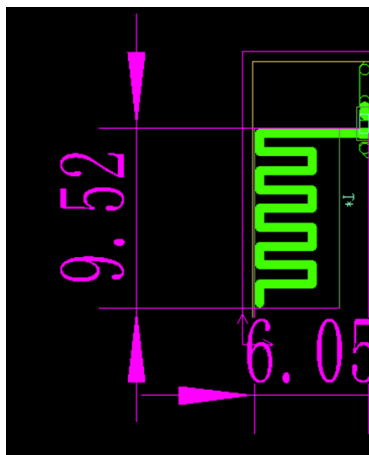
## 1: Antenna Describe

No	Parameter	Specification
1	Antenna	PCB
2	Return Loss	<-10dB
3	Antenna Gain	-1.08dBi
4	Frequency Range	2.4GHz-2.483GHz
5	Connector Type	Direct
6	Location of mearement	Company name:Xiamen Hanin Electronic Technology Co.,Ltd ADD:Room 305A, Angye Building, Pioneering Park,Torch High-tech,Zone,Xiamen d.
7	Azimuth	Omni-directional
8	Impedance	50 $\Omega$
9	Operating Temperature	-40~105°C

## 2: External View Drawing

Picture of antenna

Unit:mm



Xiamen Hanin Electronic Technology Co.,Ltd.

Type of Antenna: TT4W

### 3: Measurement Result

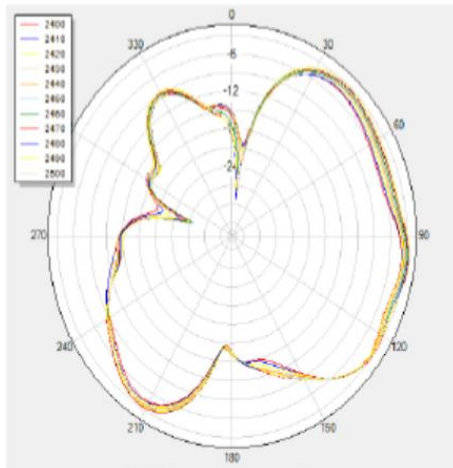
#### 3.1 Typical free space gain

Frequency/MHz	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain/dBi	-1.43	-1.39	-1.46	-1.28	-1.34	-1.27	-1.2	-1.08	-1.14	-1.08	-1.08
Efficiency/%	24.24	24.22	24.21	24.97	25.00	25.66	26.33	27.50	27.51	27.60	27.95

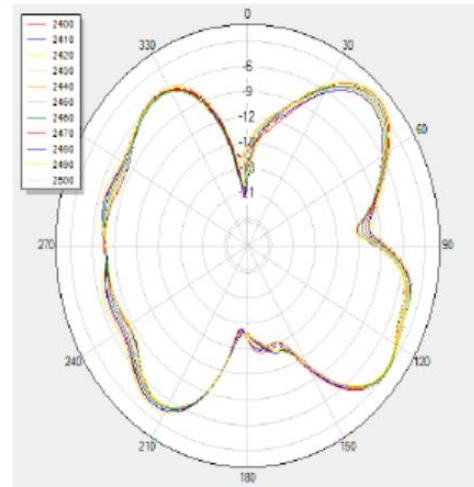
#### 3.2 Typical free space radiation pattern

(1) X-Z Plane:

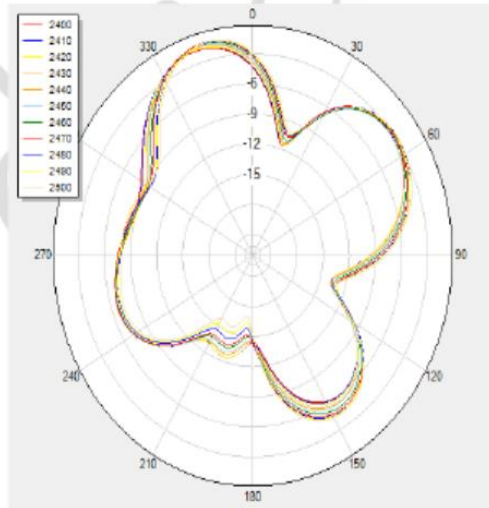
V Phi=0



V Phi=90



(3) X-Y Plane:  
H Theta=90



### 3.3 Typical Free Space 3D Radiation Pattern

