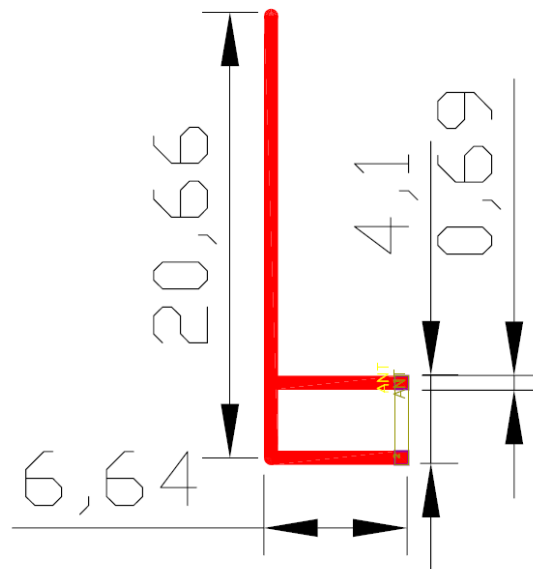


**SHENZHEN KEYCEO TECH CO., LIMITED**

PCB Antenna specification&Test report

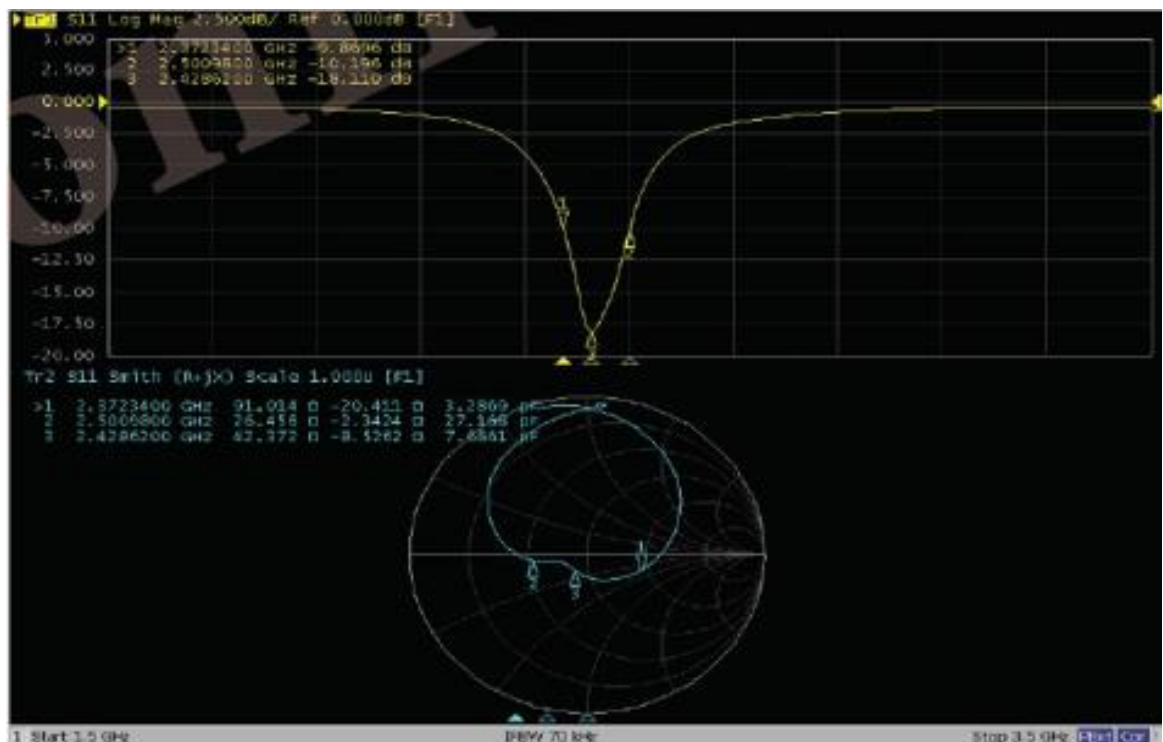
Company	SHENZHEN KEYCEO TECH CO., LIMITED
Address	Room 705-706, 12th Building, South Bank Plaza, Exhibition Bay, Zhancheng Community, Fuhai Street, Bao'an District, Shenzhen, China
Model	

## 1. Specific size of antenna (mm):

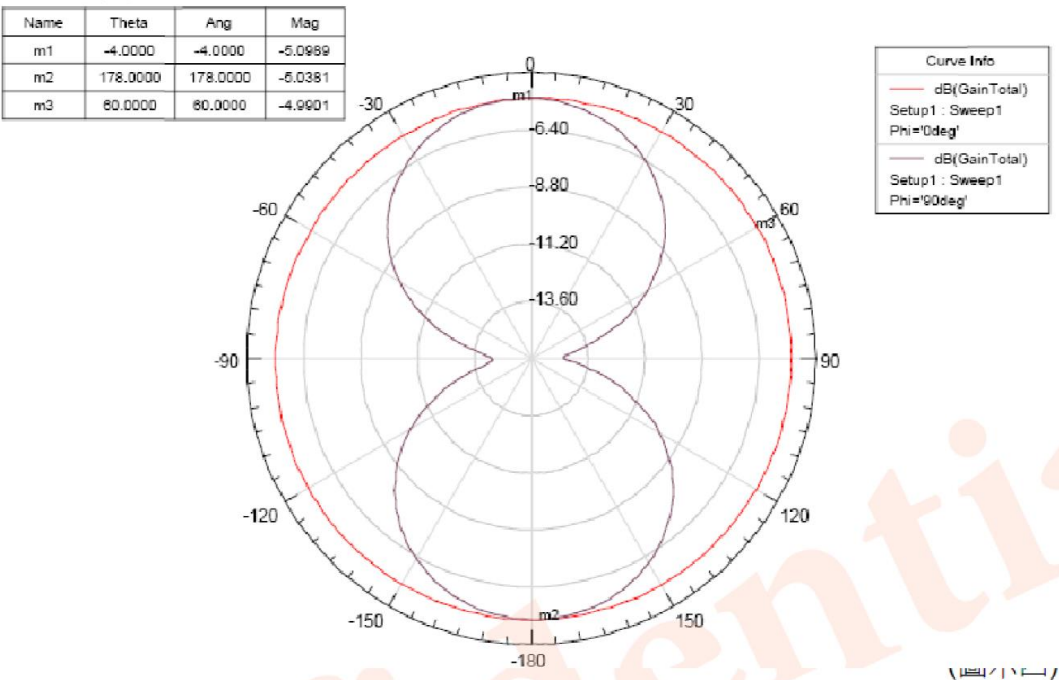


## 2. The results of antenna measurement and field shape simulation are as follows:

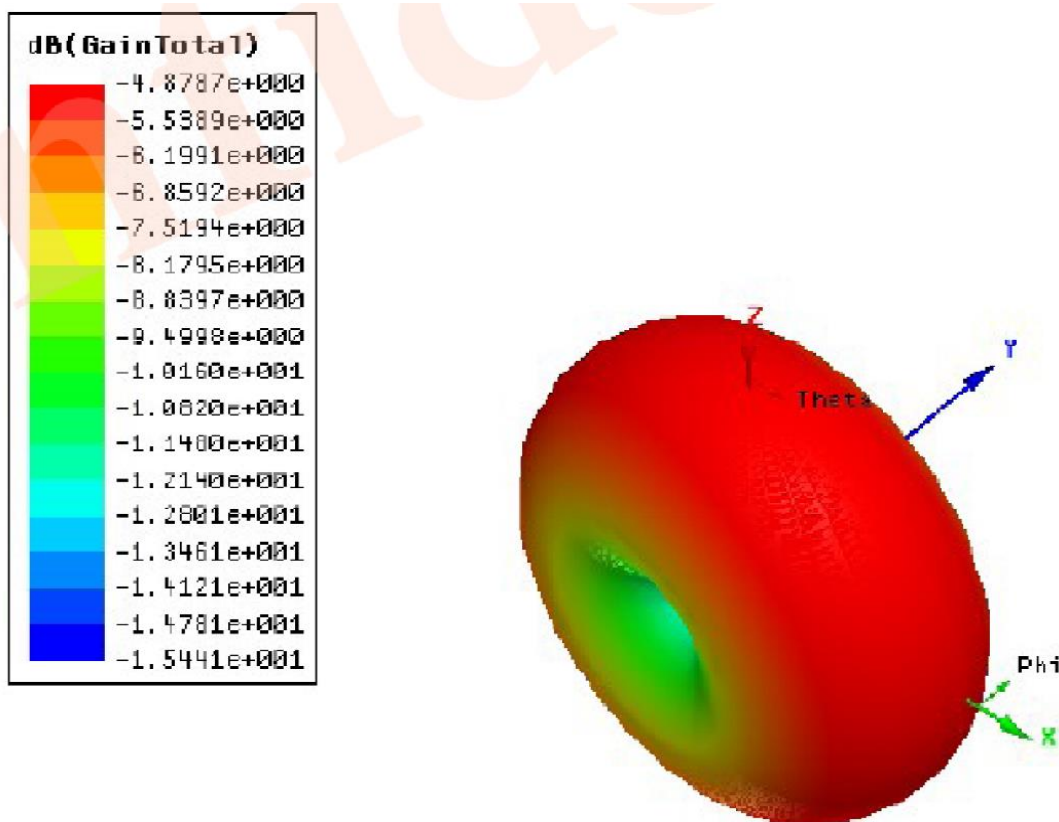
### \*Return Loss/VSWR:



**\*2D Field shape simulation diagram:**



**\*3D Field shape simulation diagram:**



According to the above measurement and simulation, the gain of this antenna can only reach about – 5dBi.

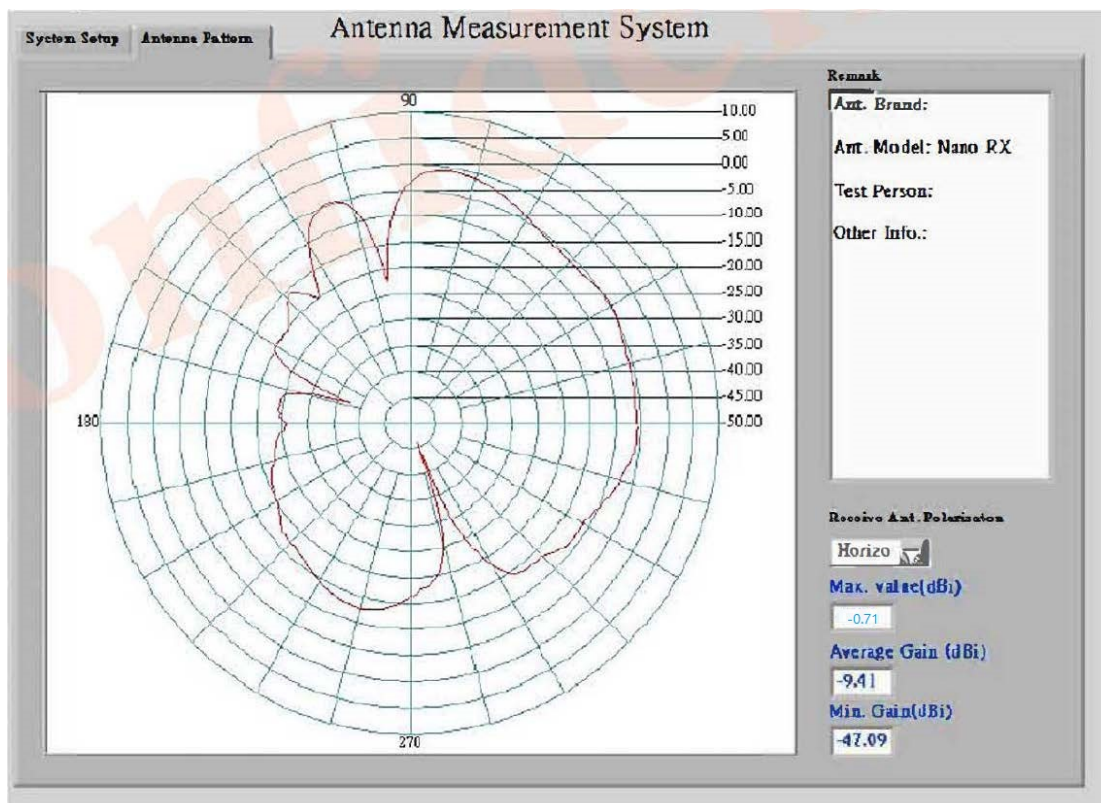
3.The actual field shape (strength) of the antenna is tested as follows:

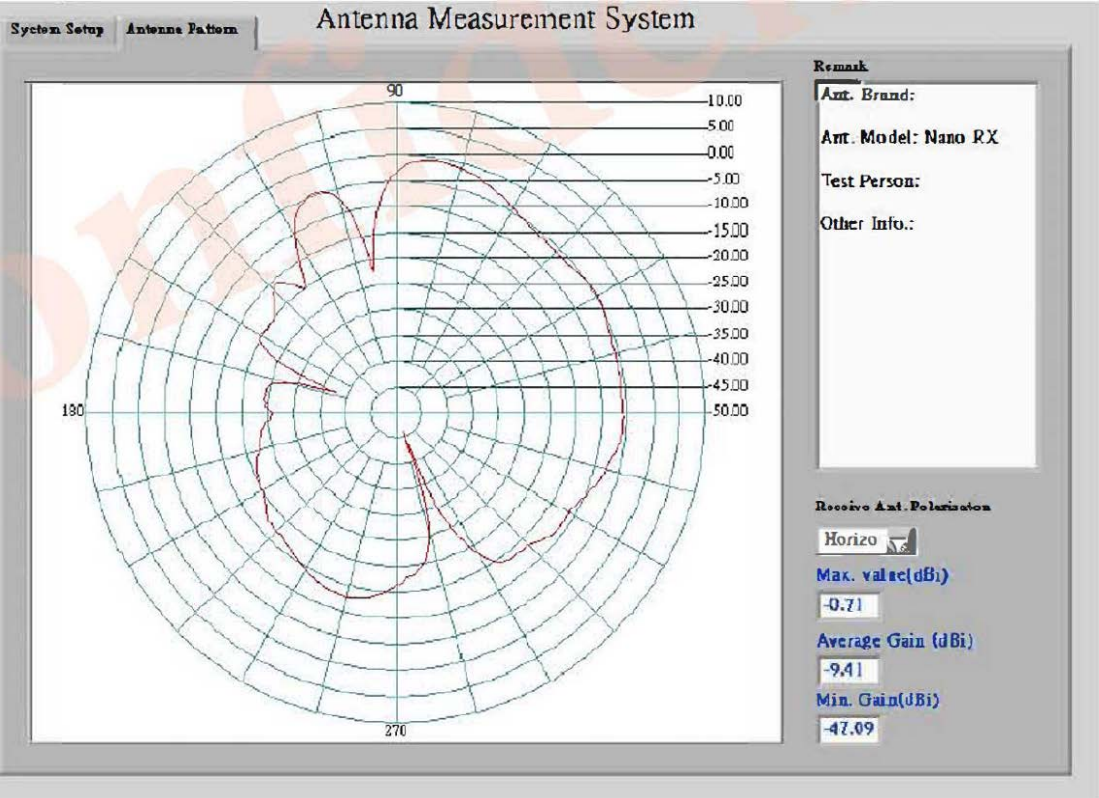
Summary

ITEM	SPEC.	
Antenna Type	PCB Antenna	
Center Frequency	2405MHz	-0.71 dBi
	2445MHz	-0.84 dBi
	2475MHz	-1.75 dBi
Max. GAIN	-0.71 dBi	
Mini. GAIN	-55.15 dBi	
AVG GAIN	-8.4 dBi	
DUT Polarization	Horizontal & Vertical	
TEST Output Power Level	10dBm	
Impedance	50Ω	

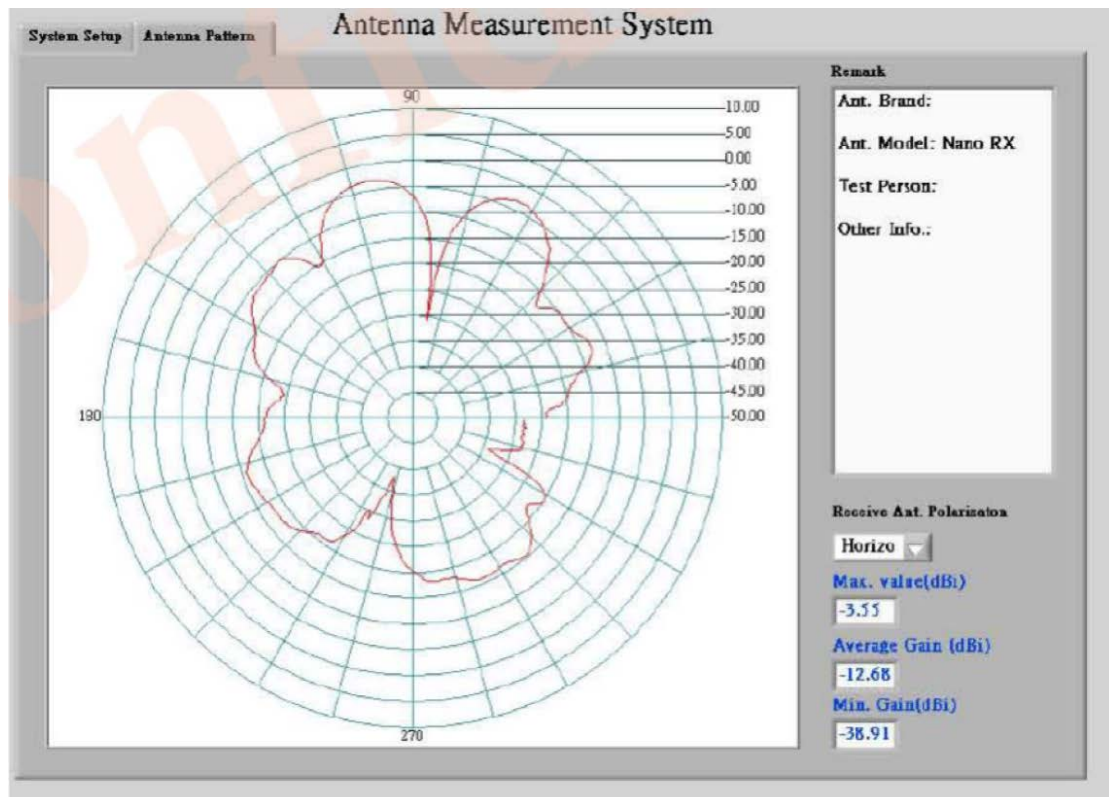
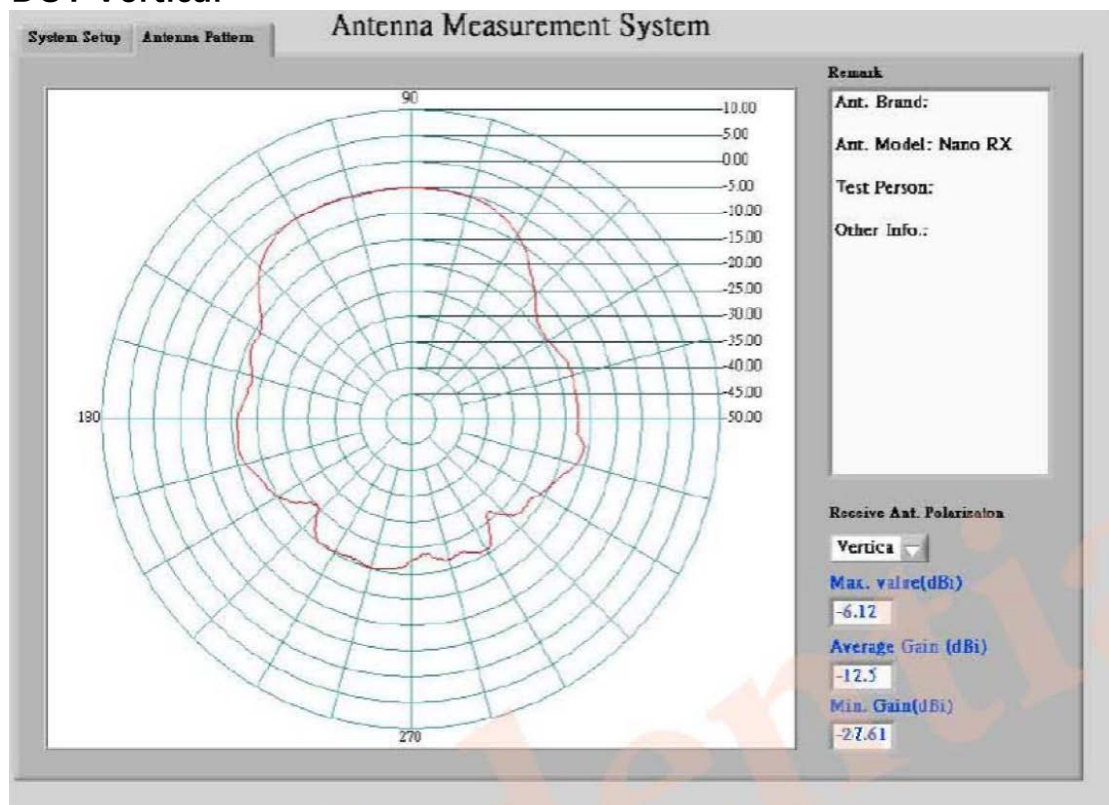
Center Frequency \_2405MHz

\*DUT Horizontal



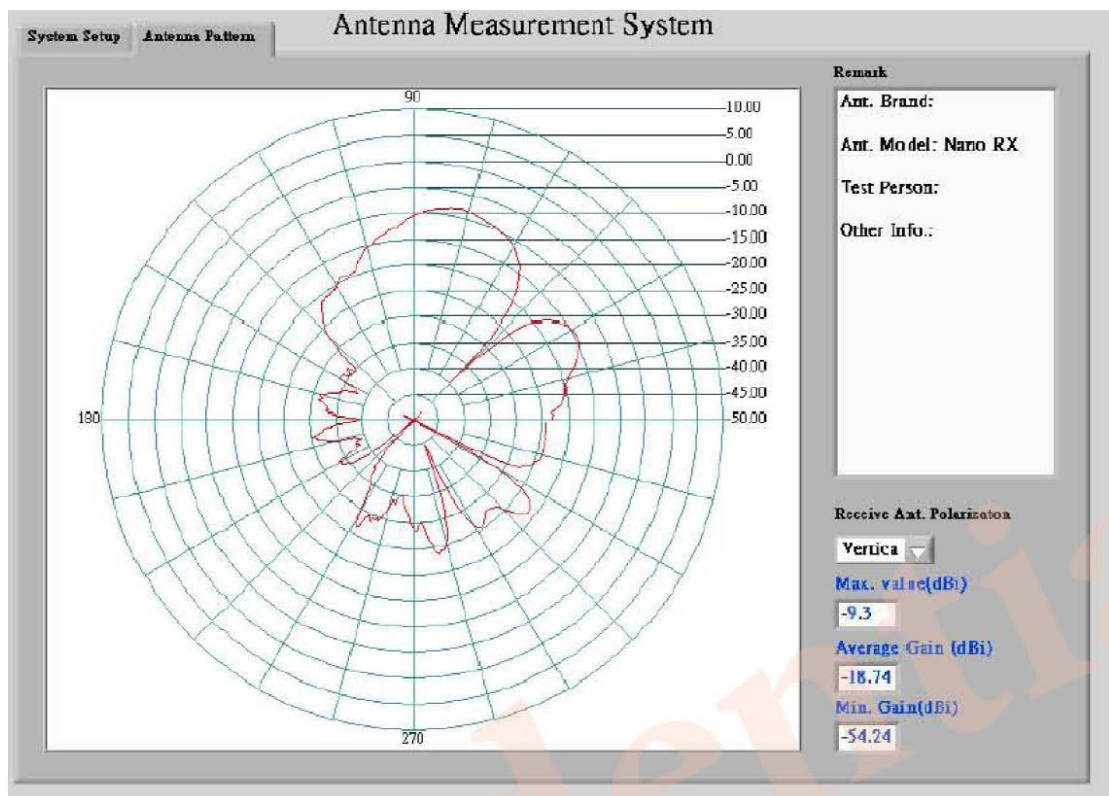
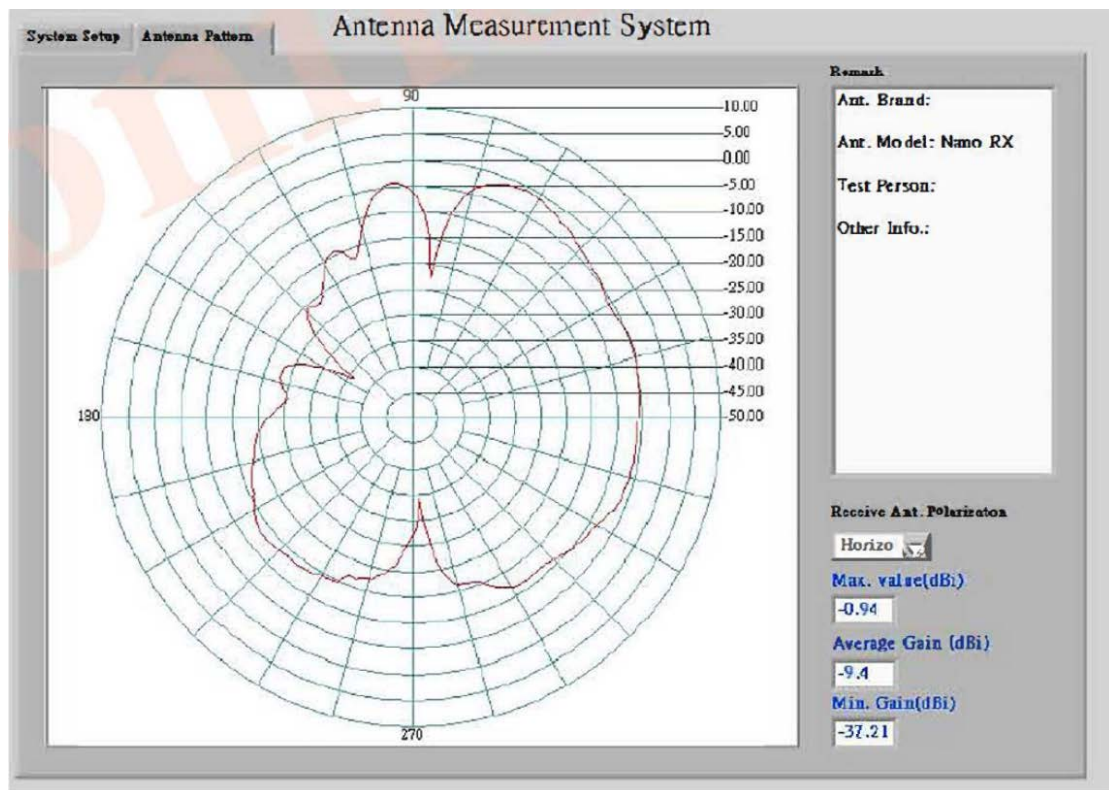


## \*DUT Vertical

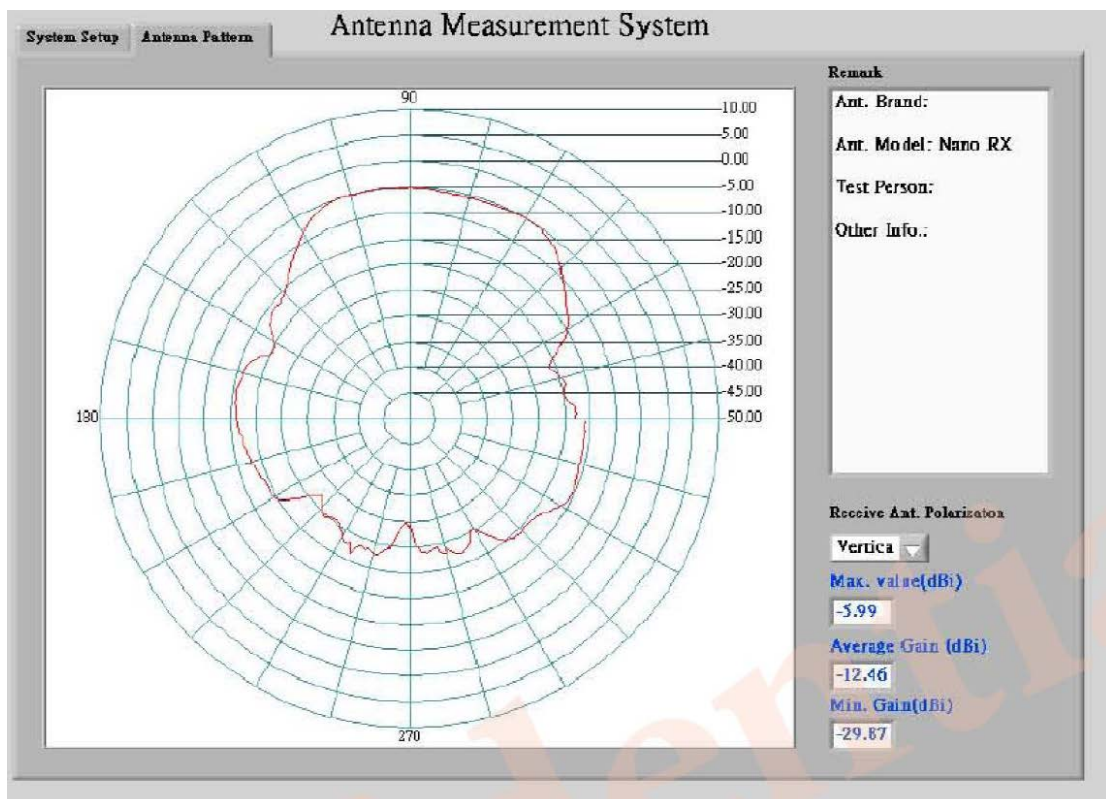
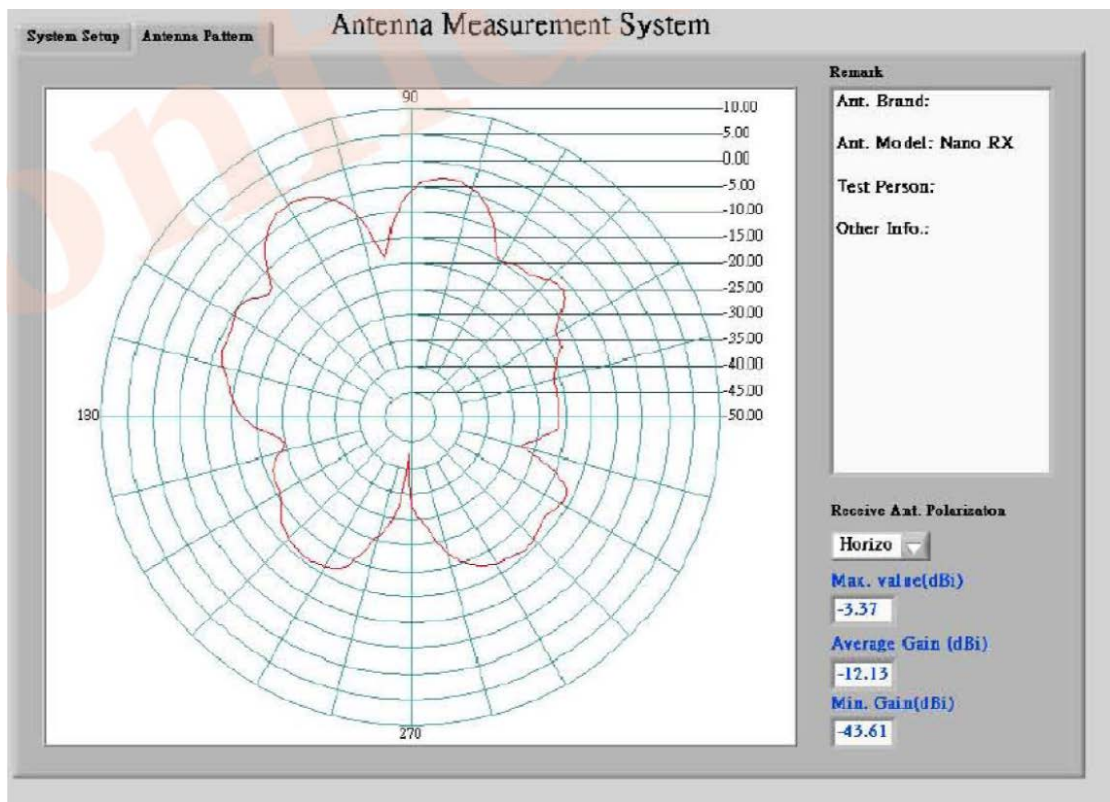


Center Frequency 2445MHz

\*DUT Horizontal

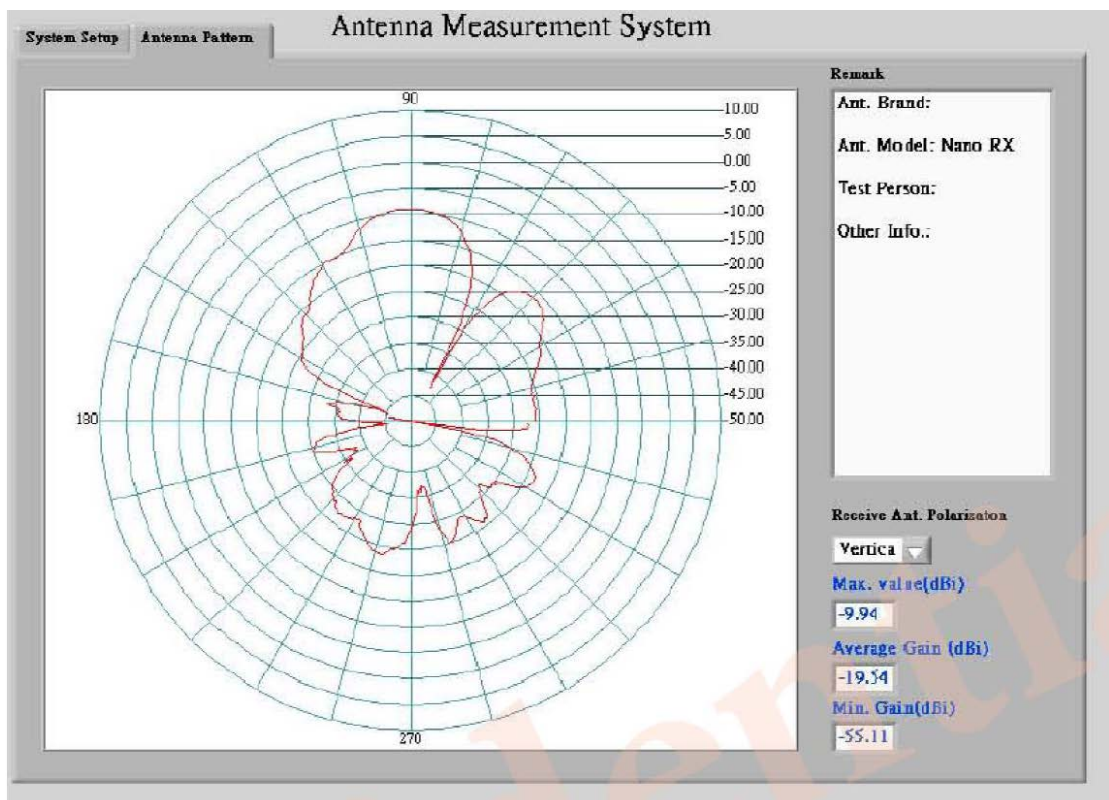
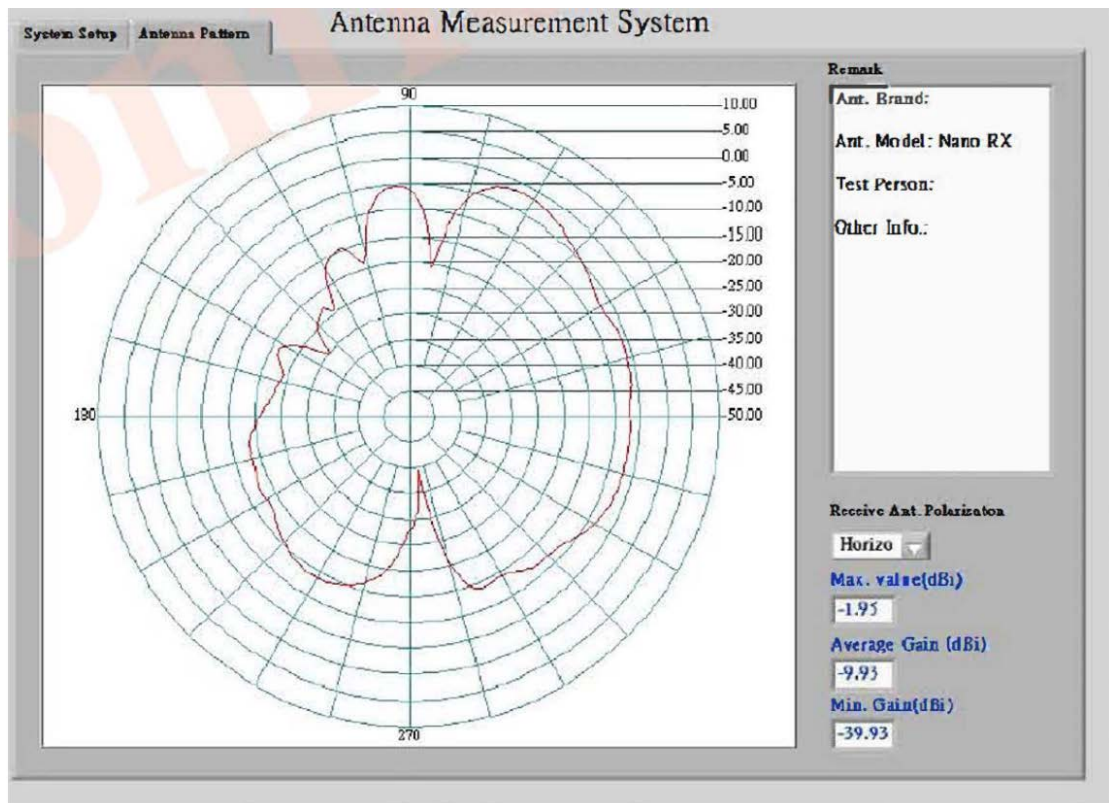


## \*DUT Vertical

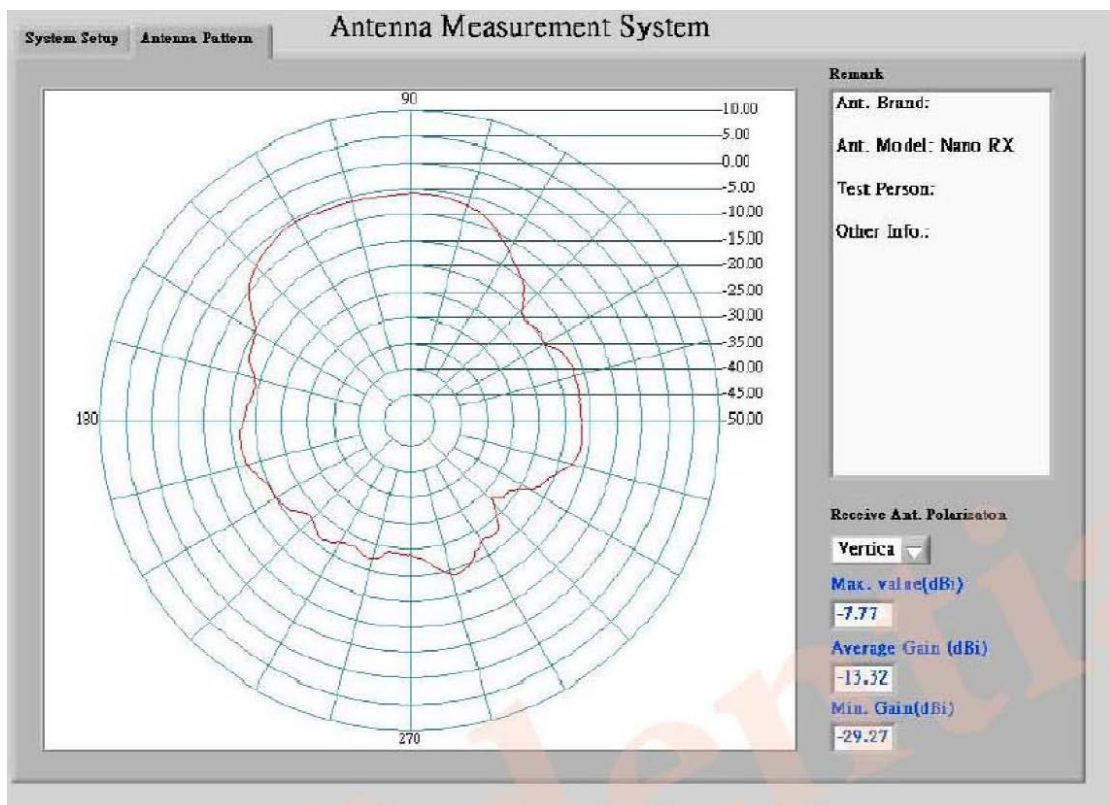
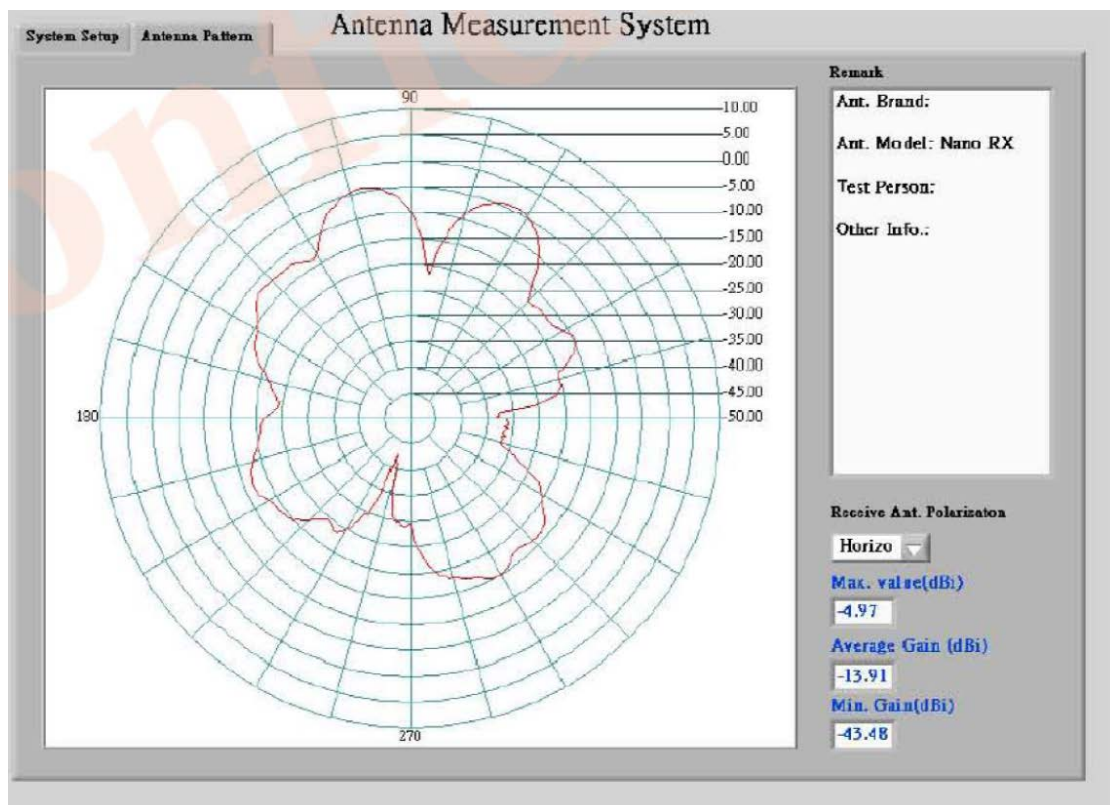


Center Frequency 2475MHz

\*DUT Horizontal



## \*DUT Vertical



#### **4. Conclusion:**

Through the above comprehensive measurement, we can know that the gain of this antenna can only reach about - 5dBi, and its maximum gain is about -0.71dBi