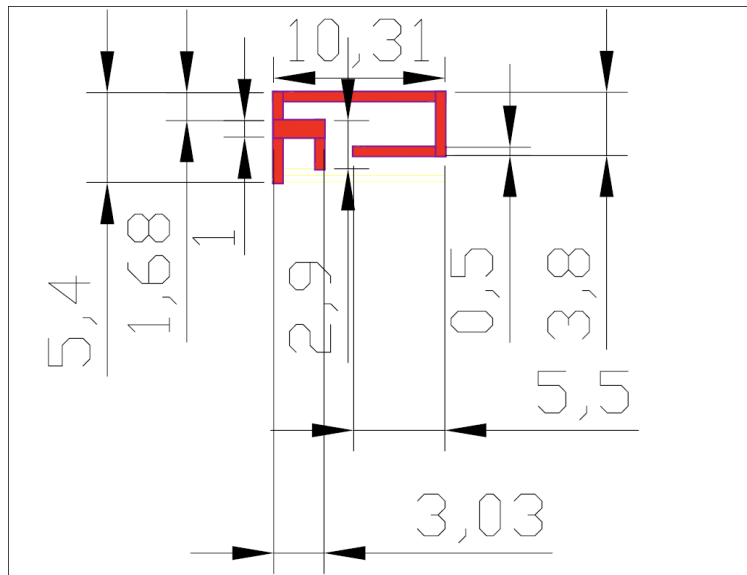


SHENZHEN LXD-TECH Co., LTD

PCB Antenna specification&Test report

Company	SHENZHEN LXD-TECH Co., LTD
Address	Floor 3, No. 87, Fanshen Road, Xin'an Street, Bao'an District, Shenzhen
Model	

1. Specific size of antenna (mm):



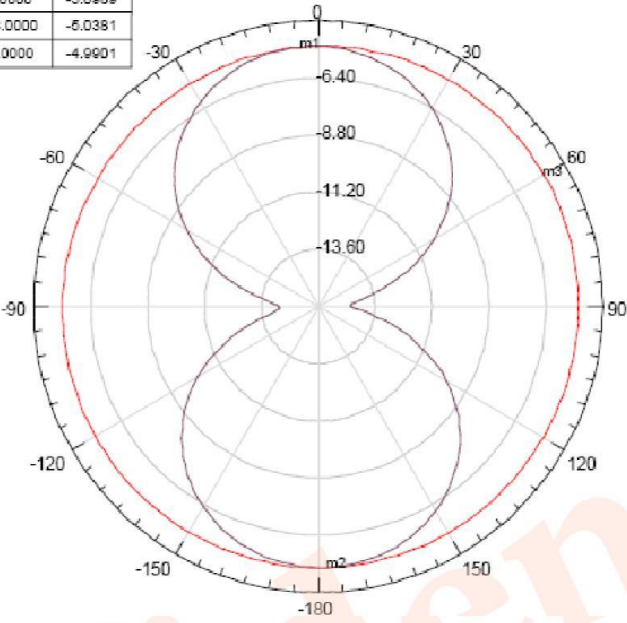
2. The results of antenna measurement and field shape simulation are as follows:

*Return Loss/VSWR:



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

Name	Theta	Ang	Mag
m1	-4.0000	-4.0000	-5.0989
m2	178.0000	178.0000	-6.0381
m3	80.0000	80.0000	-4.9901



Curve Info

- dB(GainTotal)
Setup1 : Sweep1
Phi='0deg'
- dB(GainTotal)
Setup1 : Sweep1
Phi='90deg'

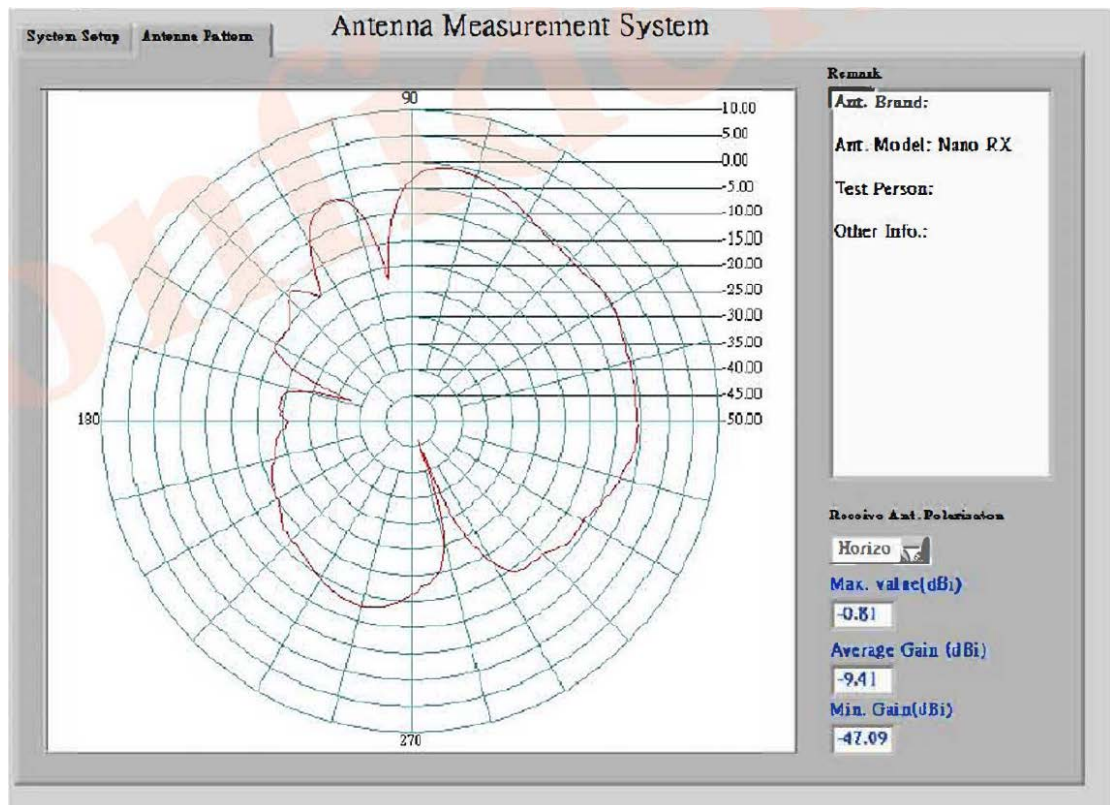
3.The actual field shape (strength) of the antenna is tested as follows:

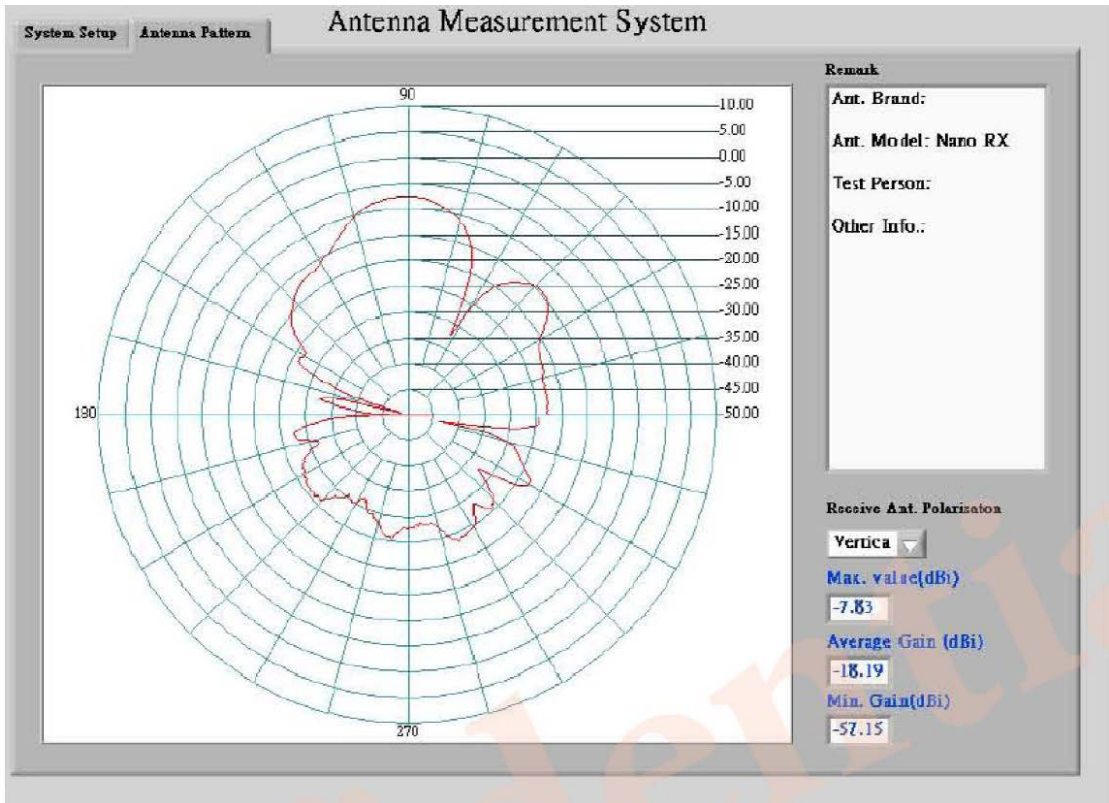
Summary

ITEM	SPEC.	
Antenna Type	PCB Antenna	
Center Frequency	2405MHz	-0.81 dBi
	2445MHz	-0.94 dBi
	2475MHz	-1.95 dBi
Max. GAIN	-0.81 dBi	
Mini. GAIN	-55.11 dBi	
AVG GAIN	-9.4 dBi	
DUT Polarization	Horizontal & Vertical	
TEST Output Power Level	10dBm	
Impedance	50Ω	

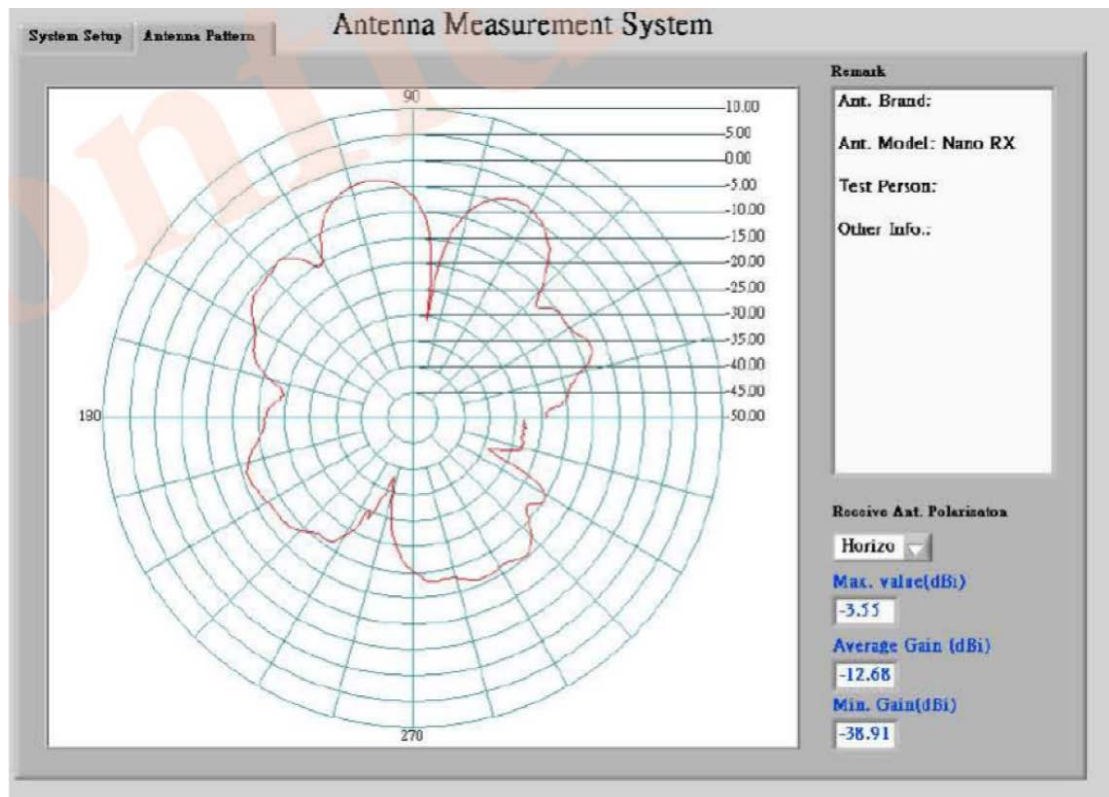
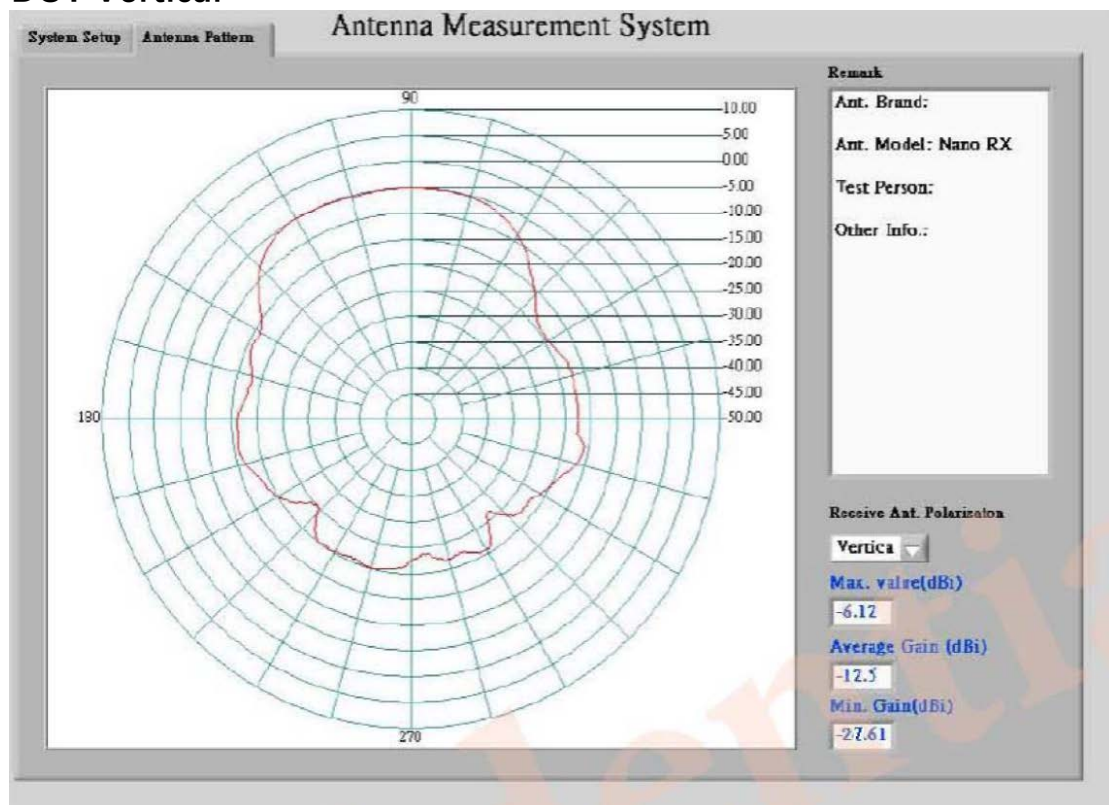
Center Frequency _2405MHz

*DUT Horizontal



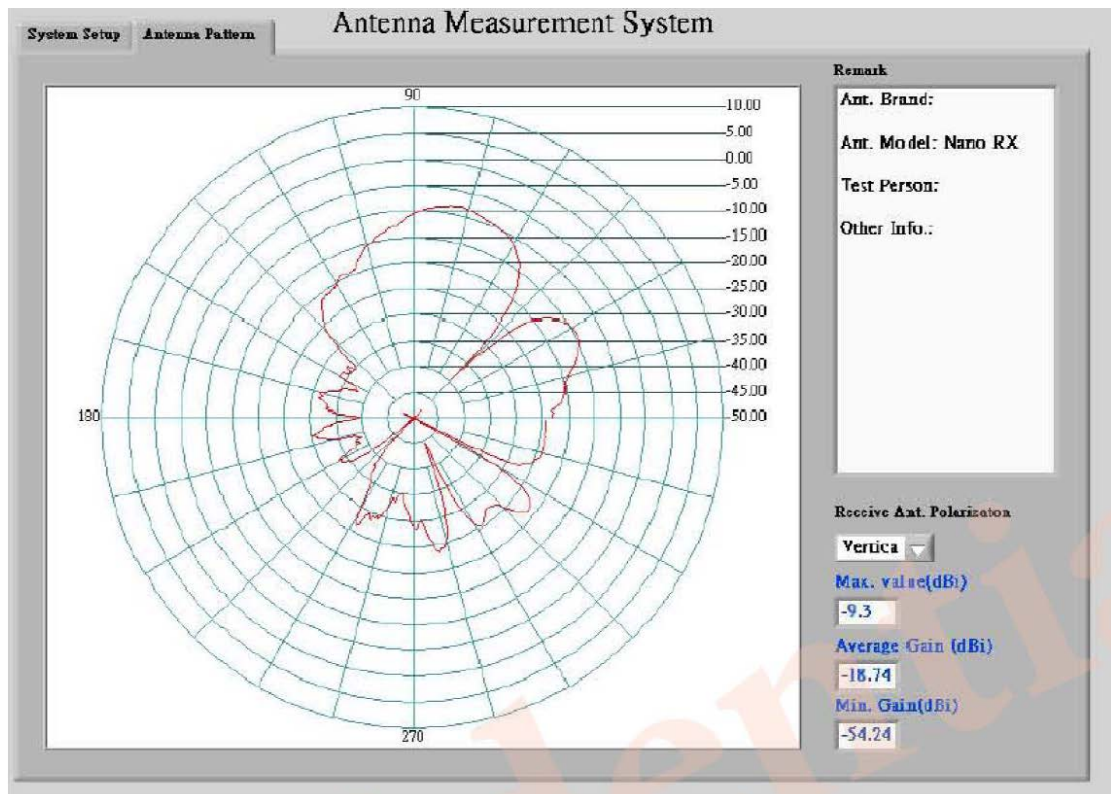
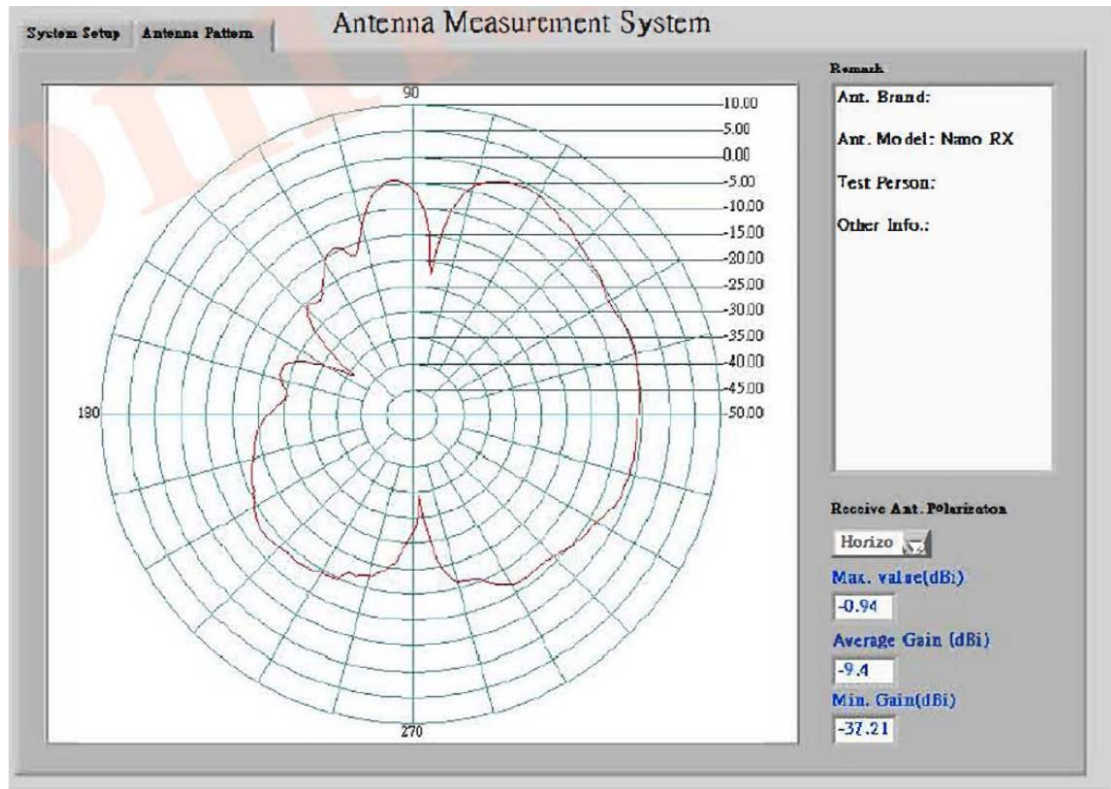


*DUT Vertical

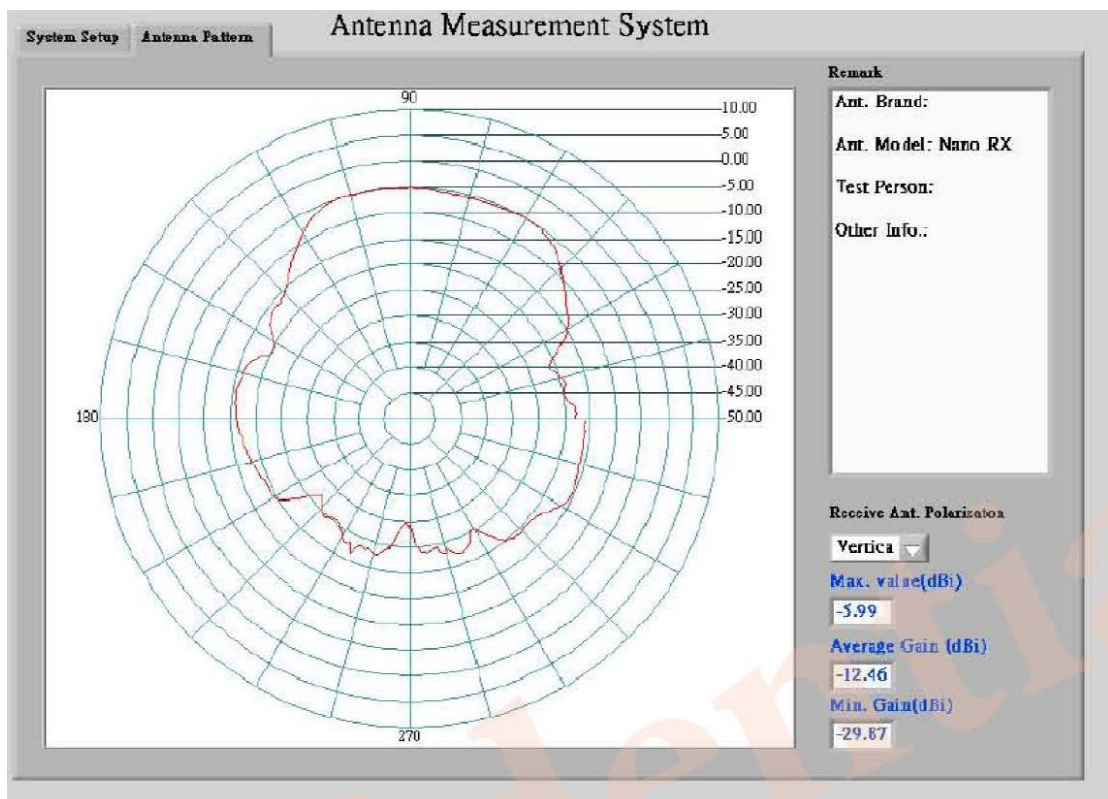
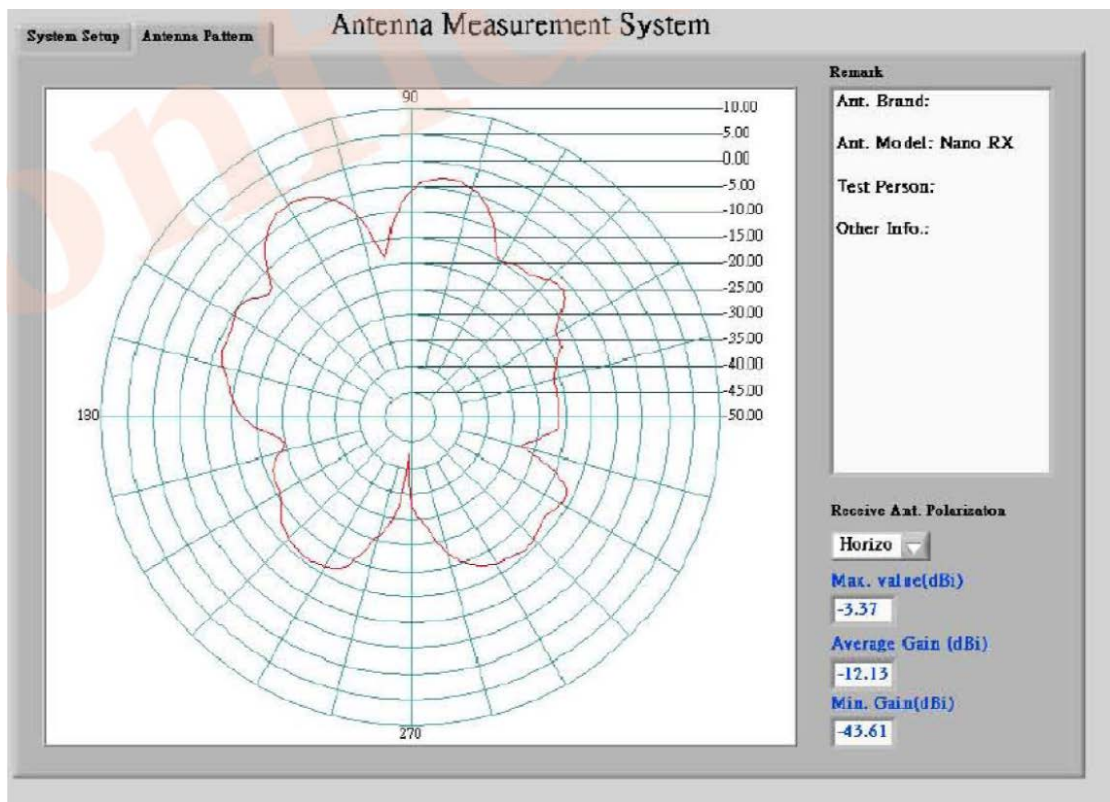


Center Frequency 2445MHz

*DUT Horizontal

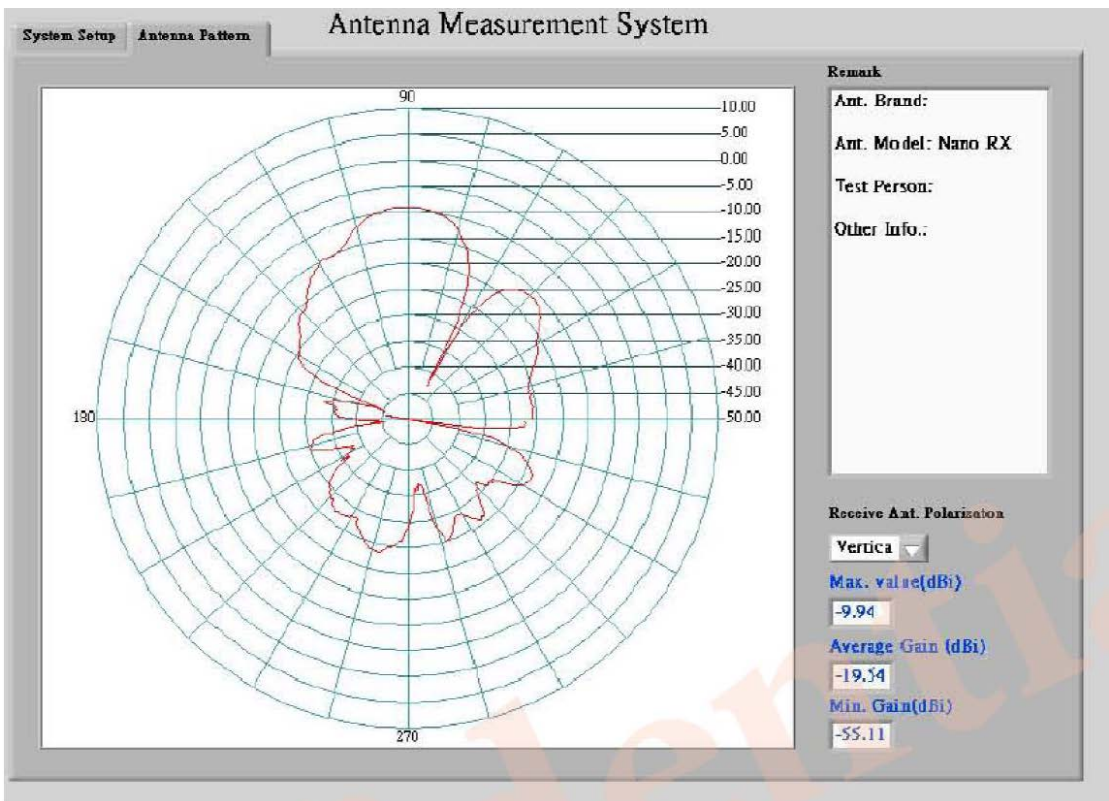
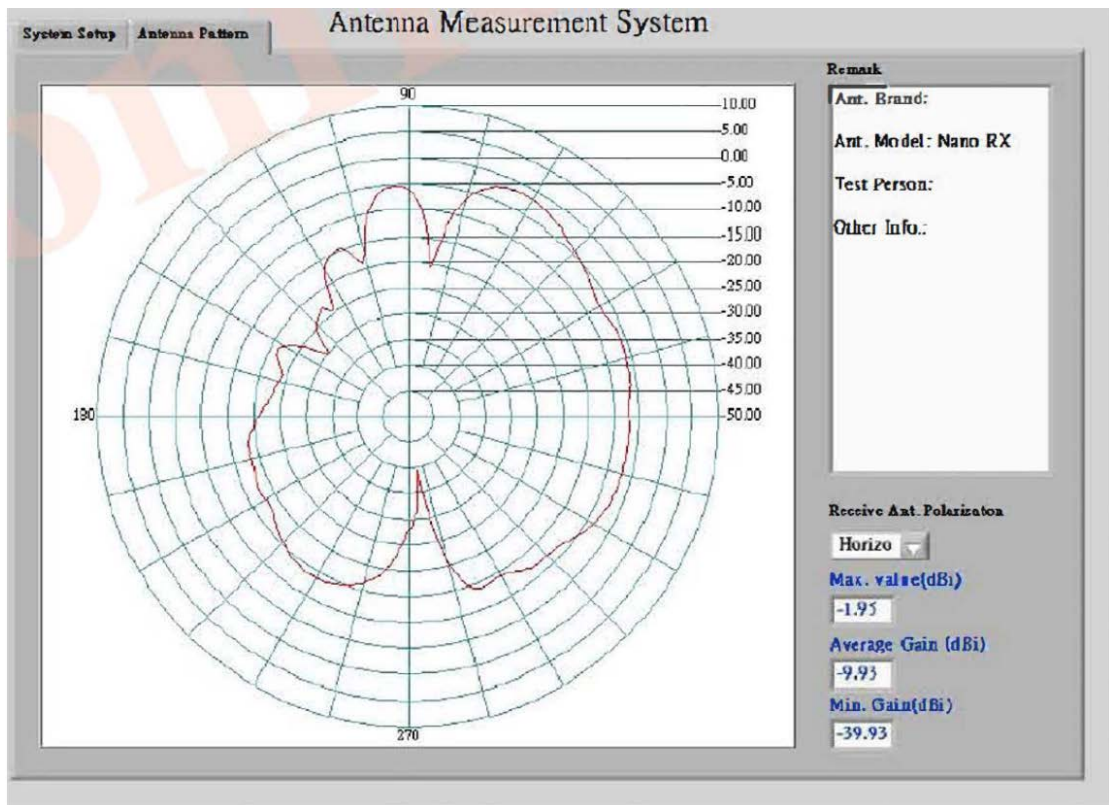


*DUT Vertical

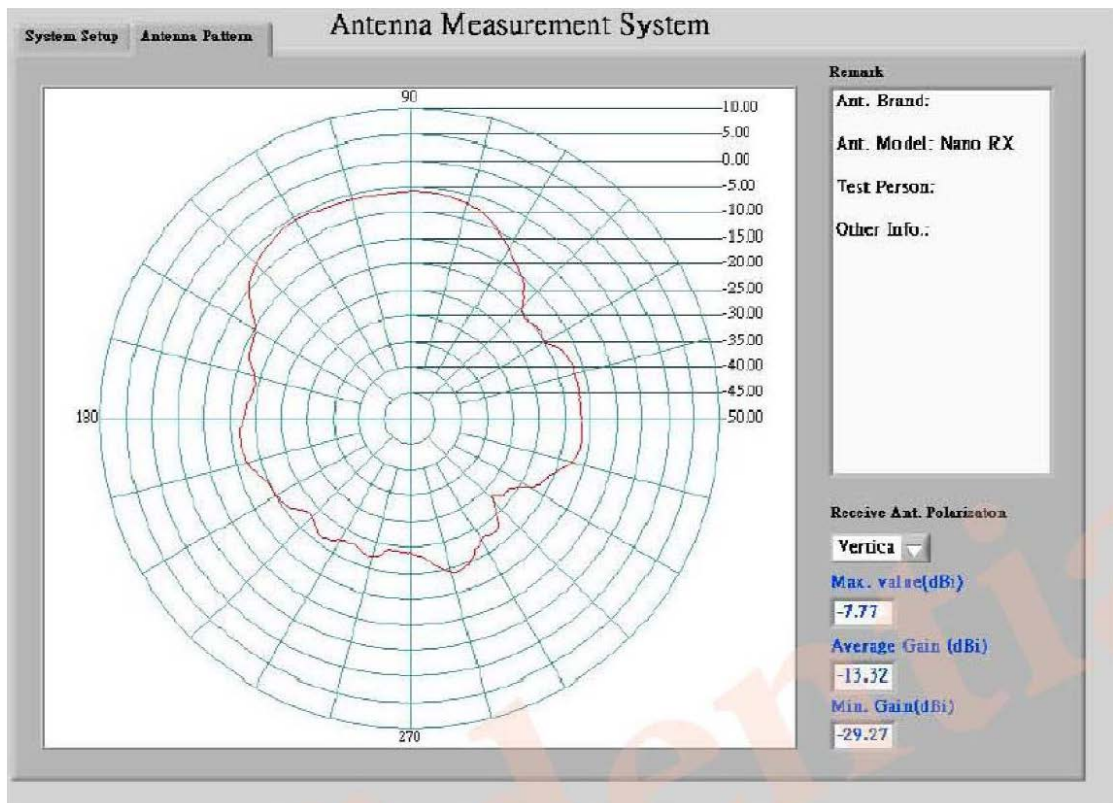
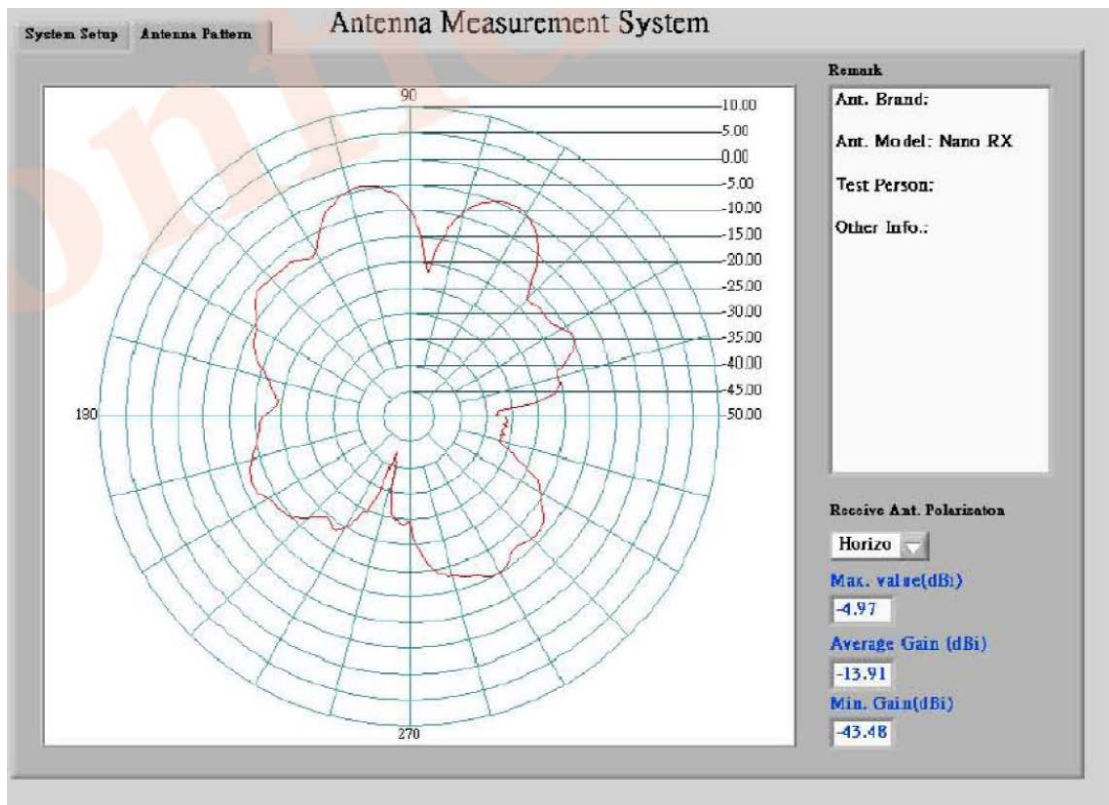


Center Frequency 2475MHz

*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 -0.81dBi