

SHENZHEN LXD-TECH Co., LTD

PCB Antenna specification&Test report

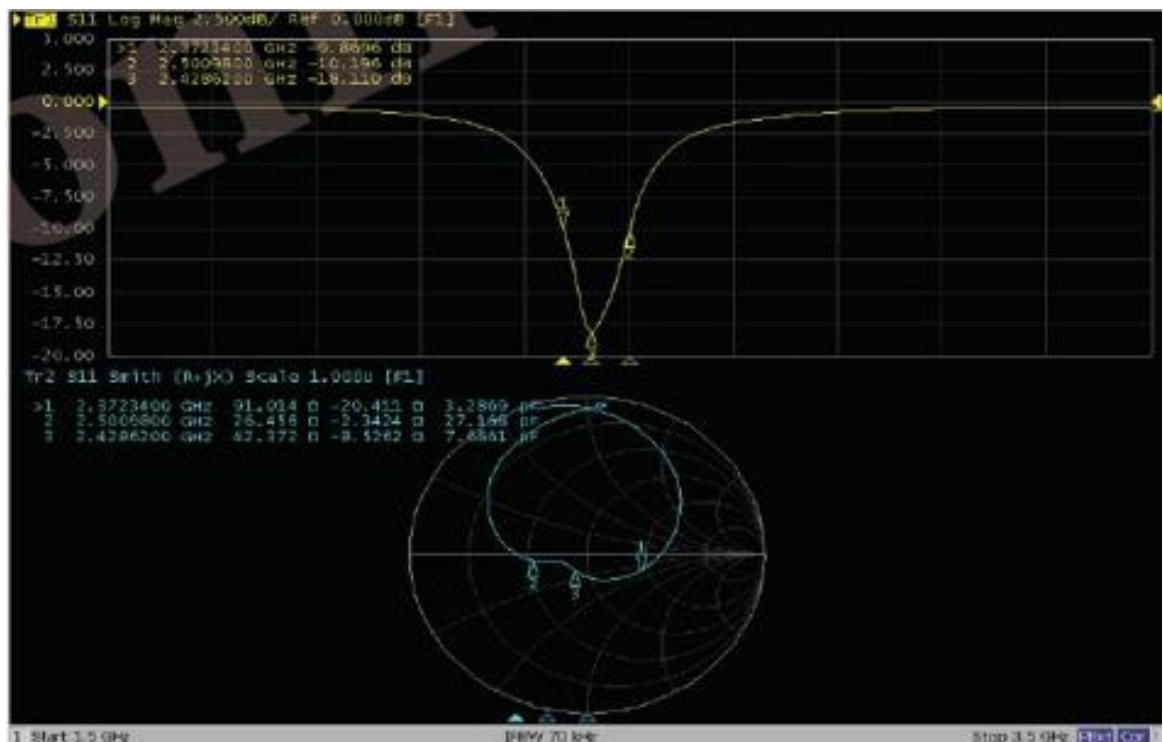
Company	SHENZHEN LXD-TECH Co., LTD
Address	Floor 3, No. 87, Fanshen Road, Xin'an Street, Bao'an District, Shenzhen
Model	

1. Specific size of antenna (mm):

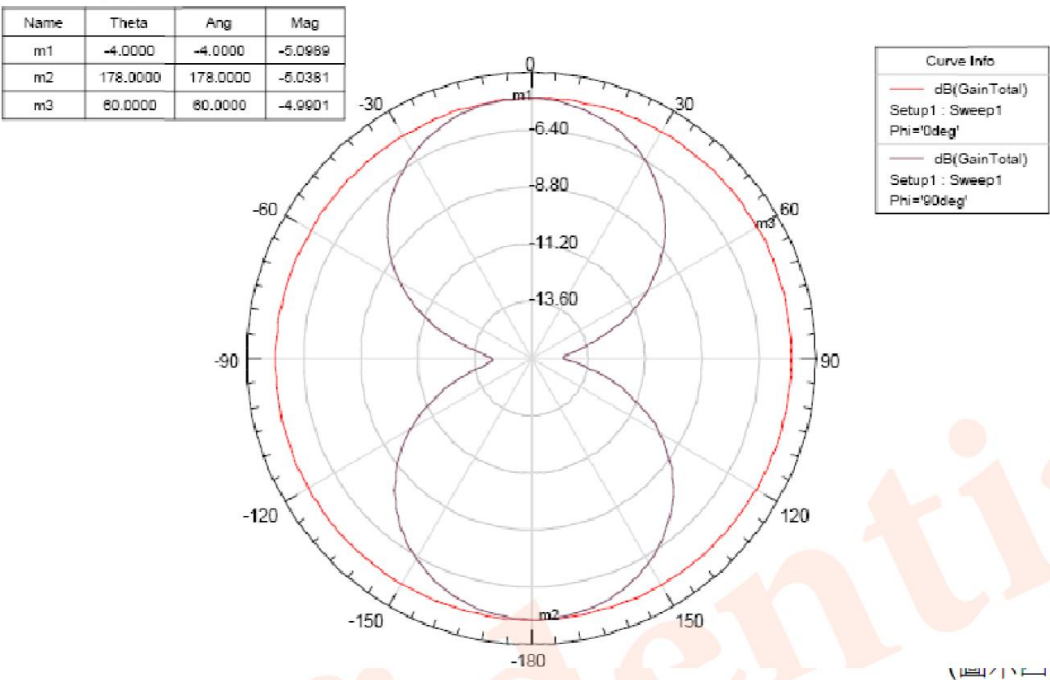


2. The results of antenna measurement and field shape simulation are as follows:

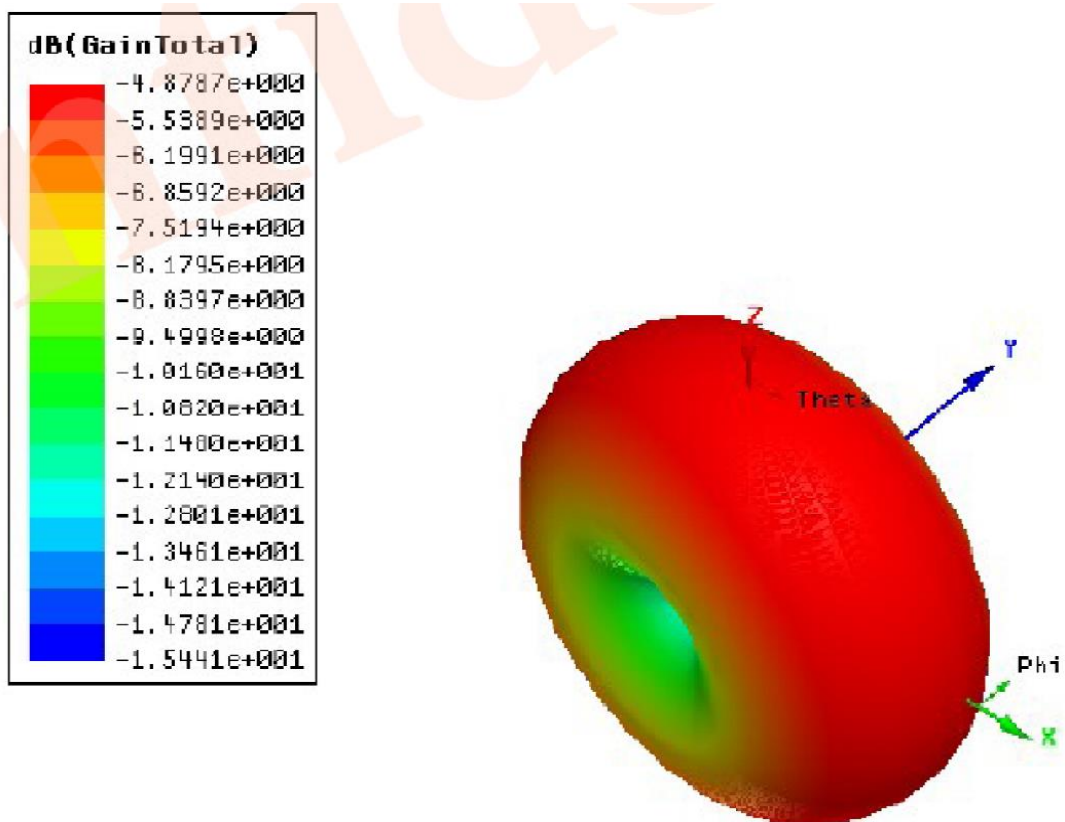
*Return Loss/VSWR:



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



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



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

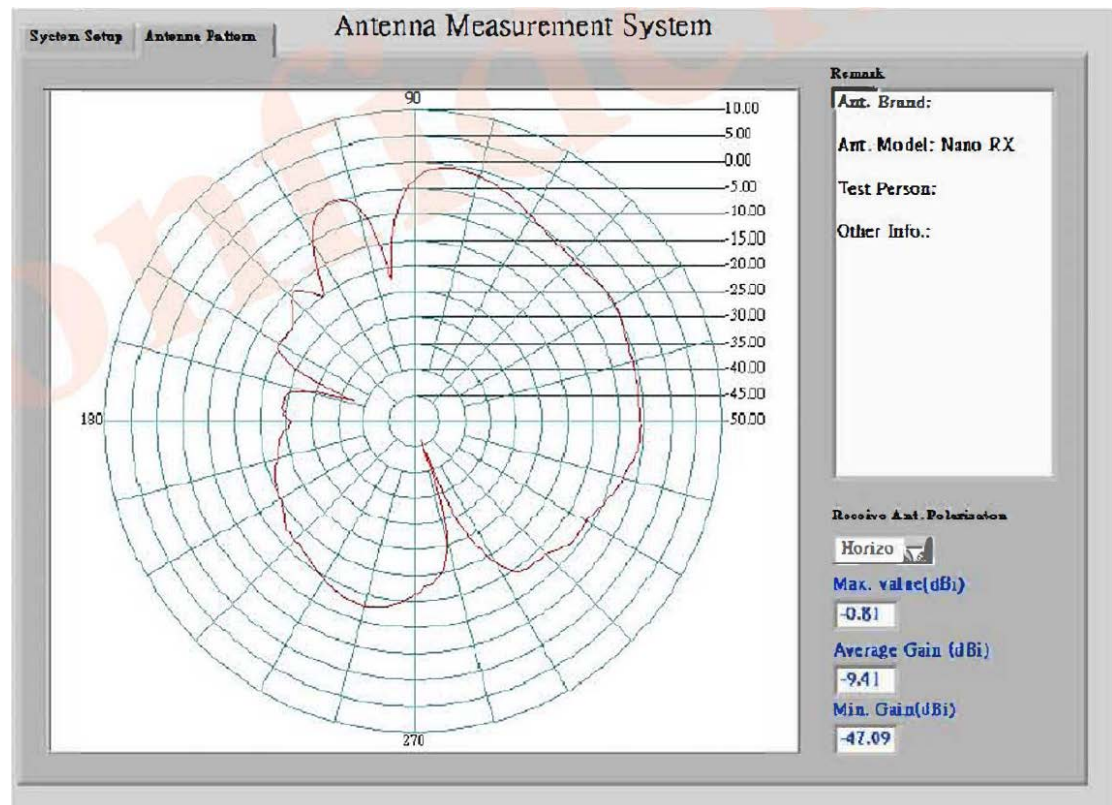
3.The actual field shape (strength) of the antenna is tested as follows:

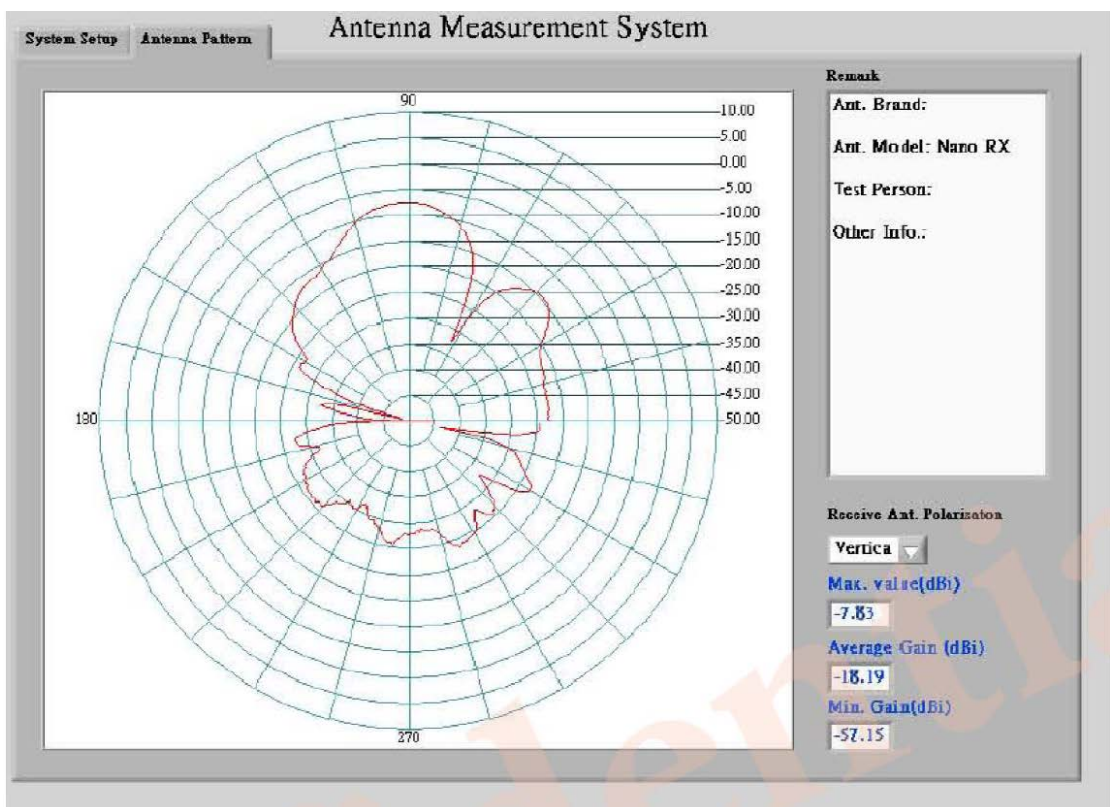
Summary

ITEM	SPEC.	
Antenna Type	PCB Antenna	
Center Frequency	2402MHz	-0.71 dBi
	2445MHz	-0.84 dBi
	2500MHz	-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	

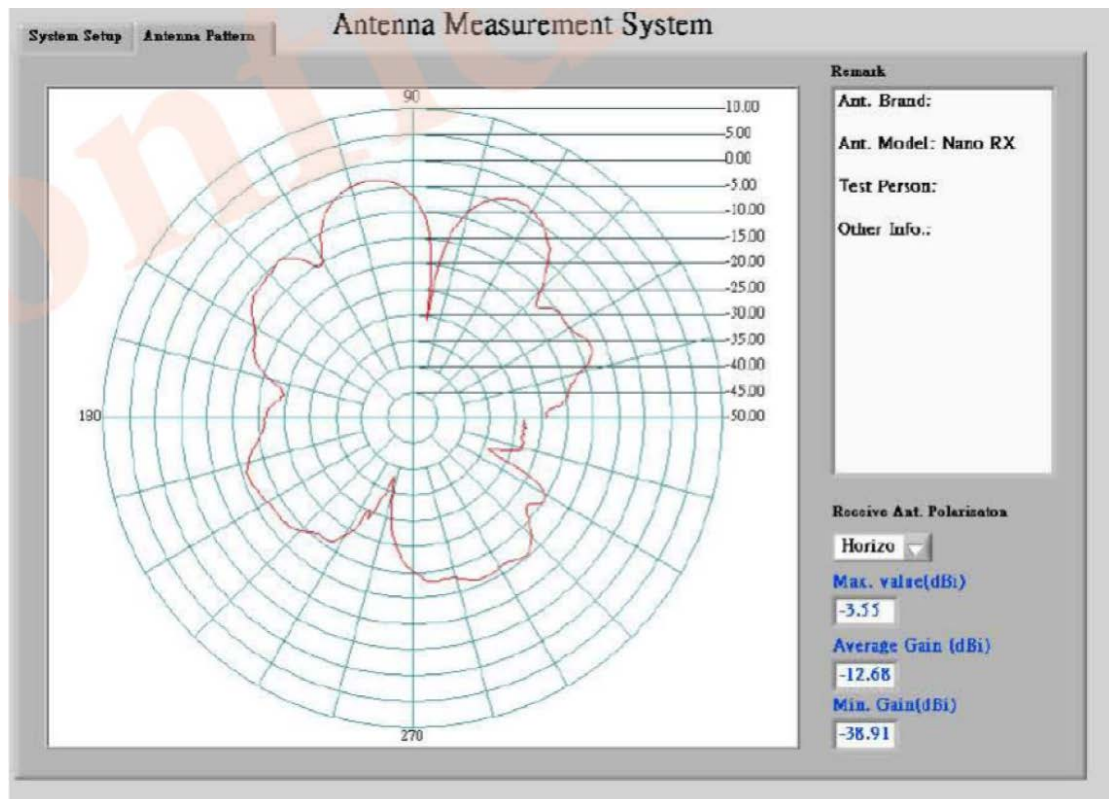
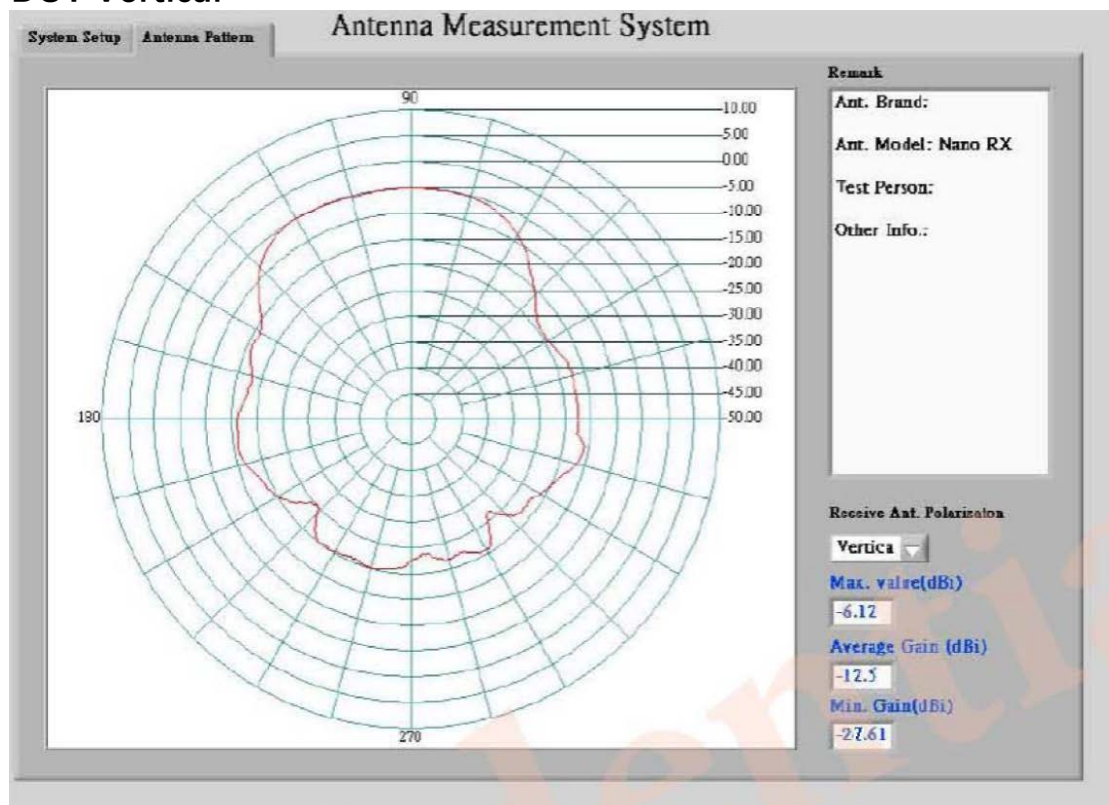
Center Frequency _2402MHz

*DUT Horizontal



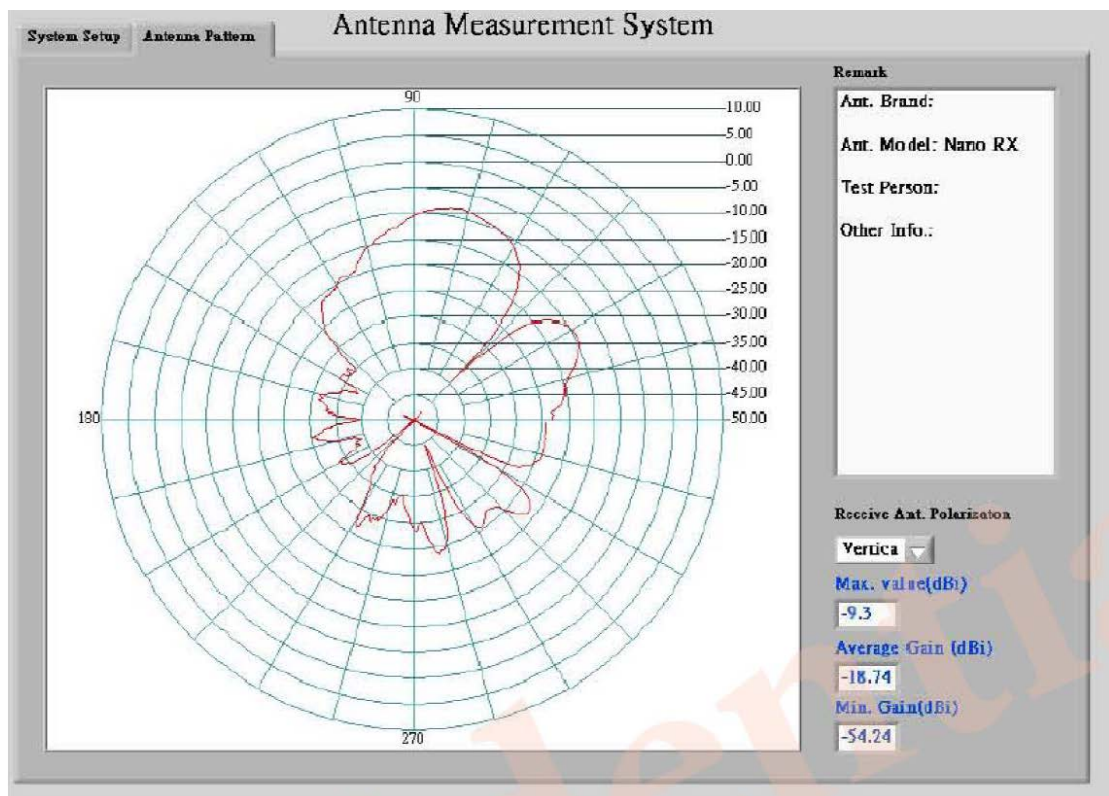
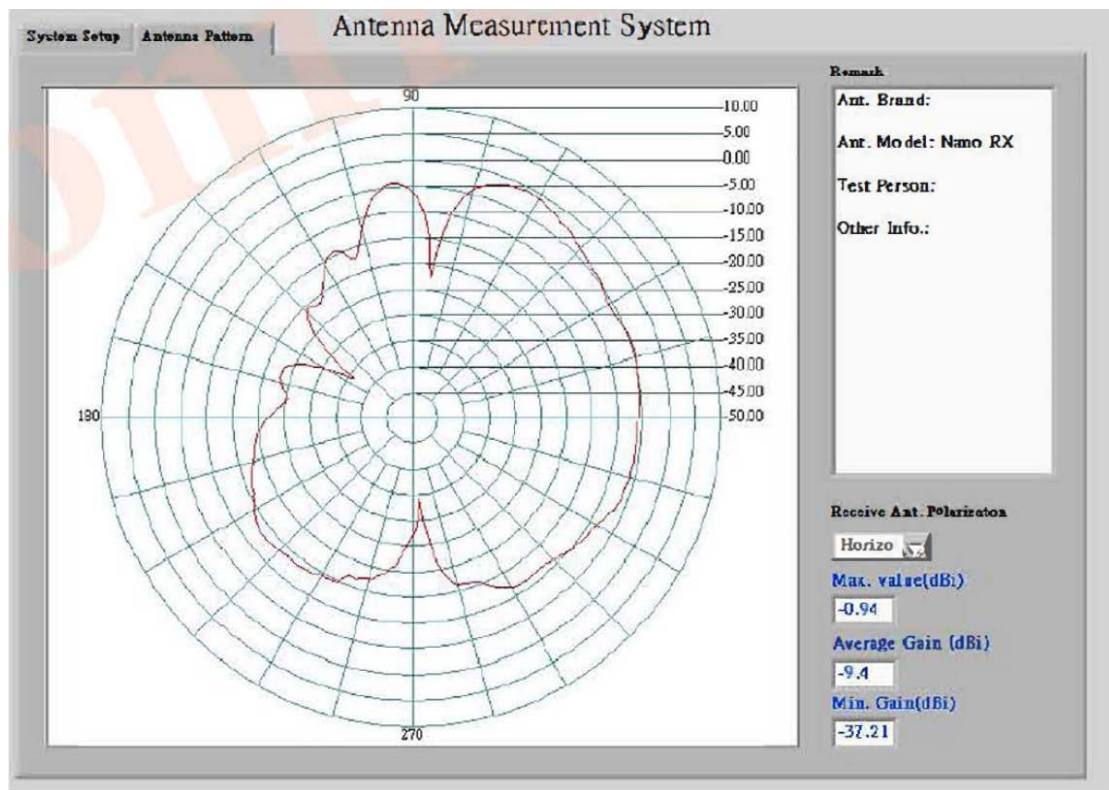


*DUT Vertical

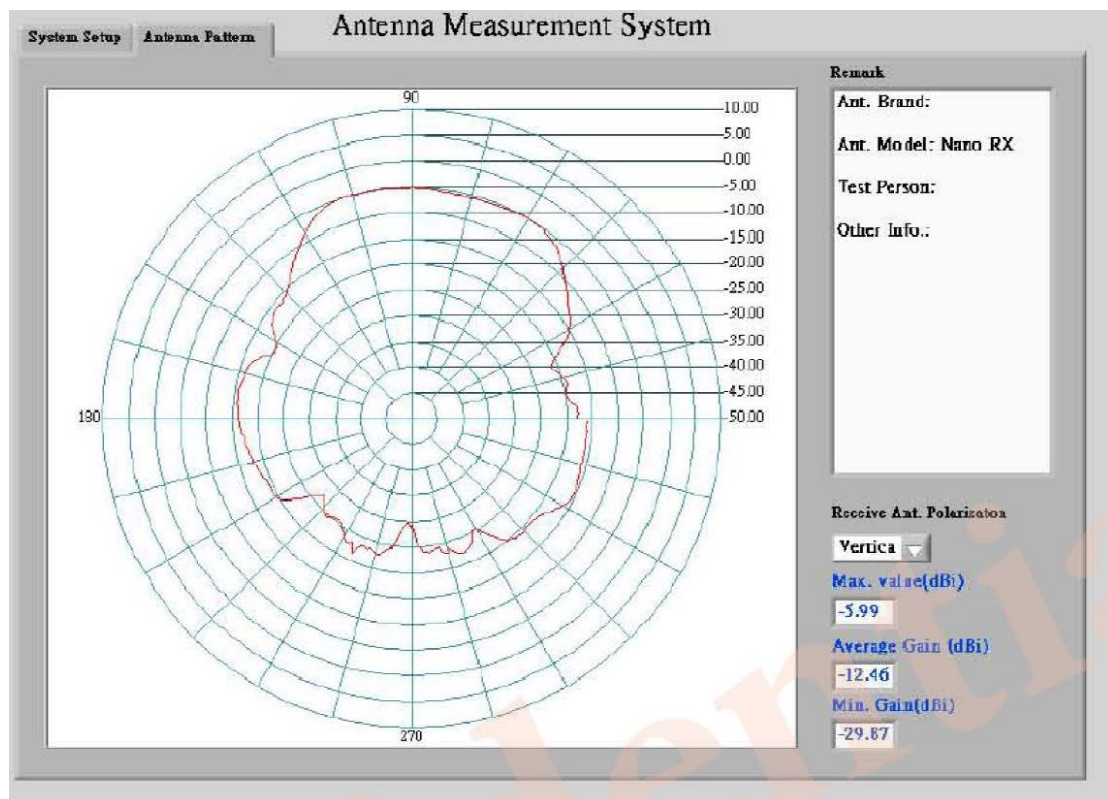
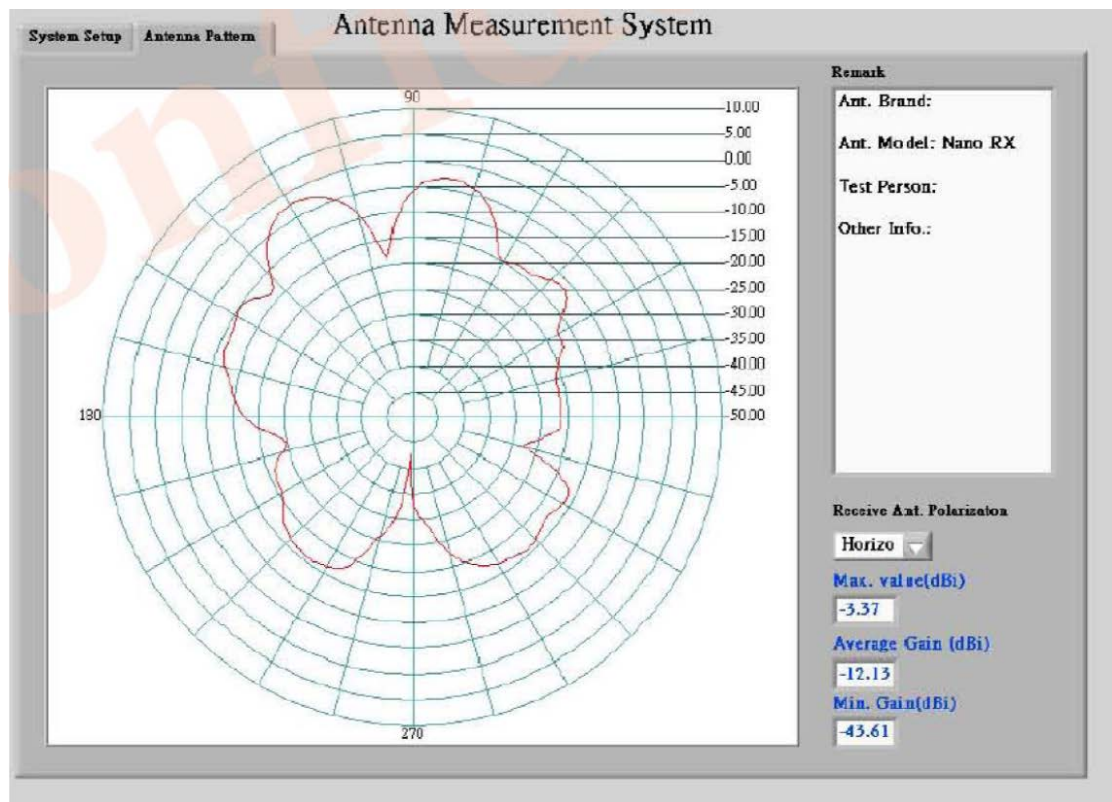


Center Frequency 2445MHz

*DUT Horizontal

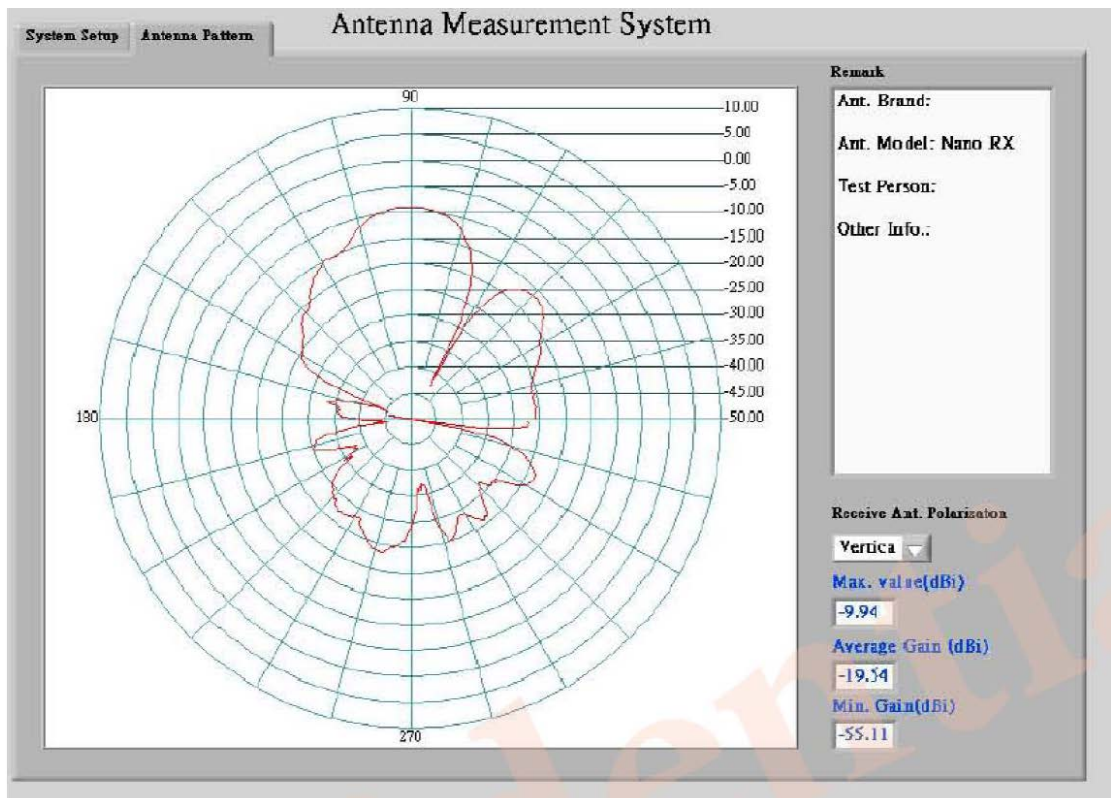
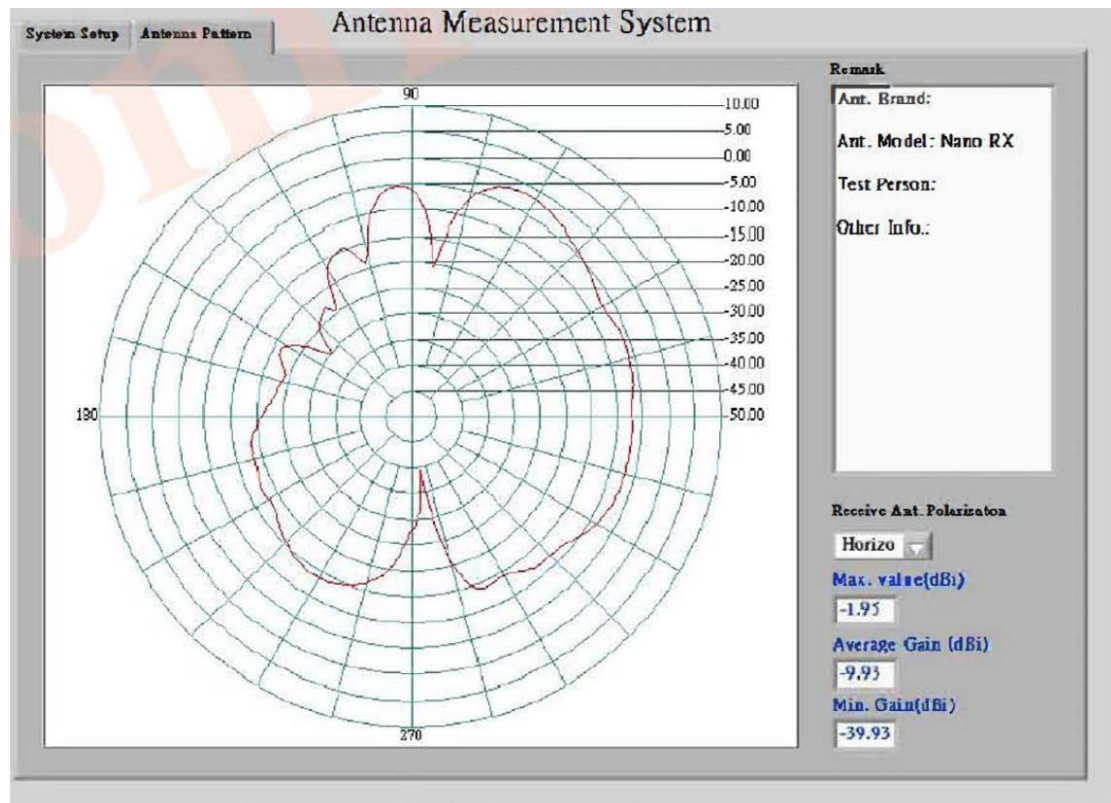


*DUT Vertical

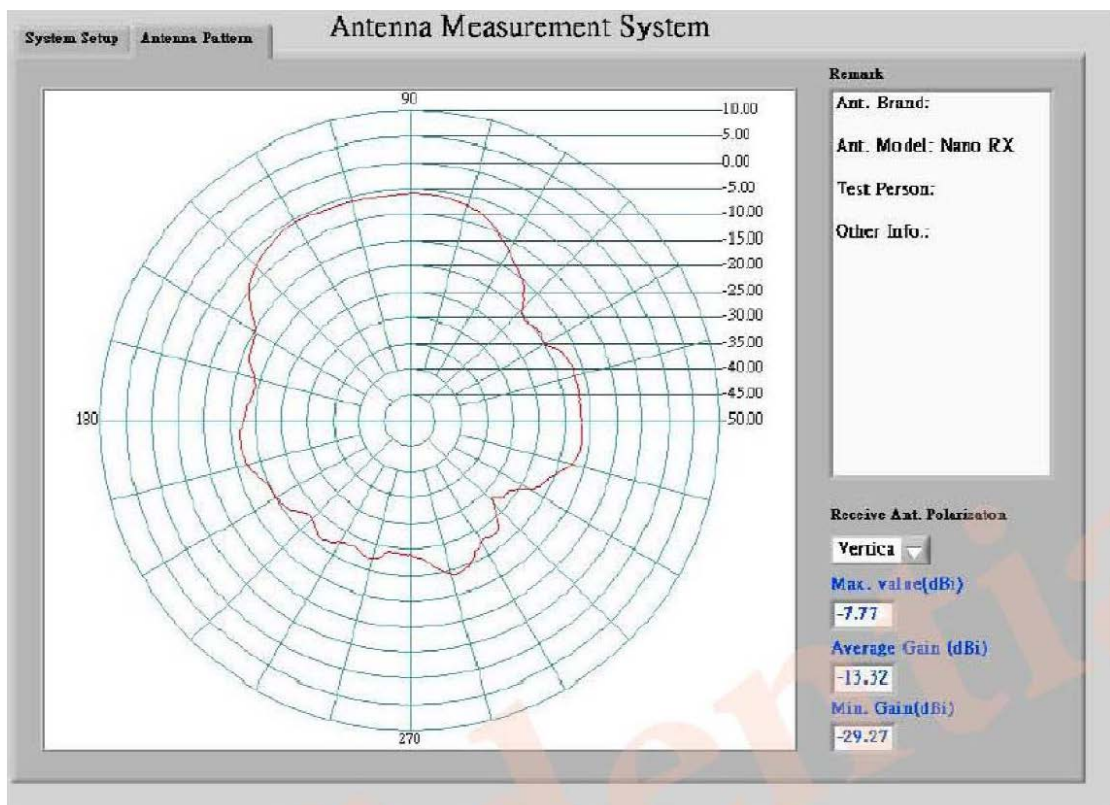
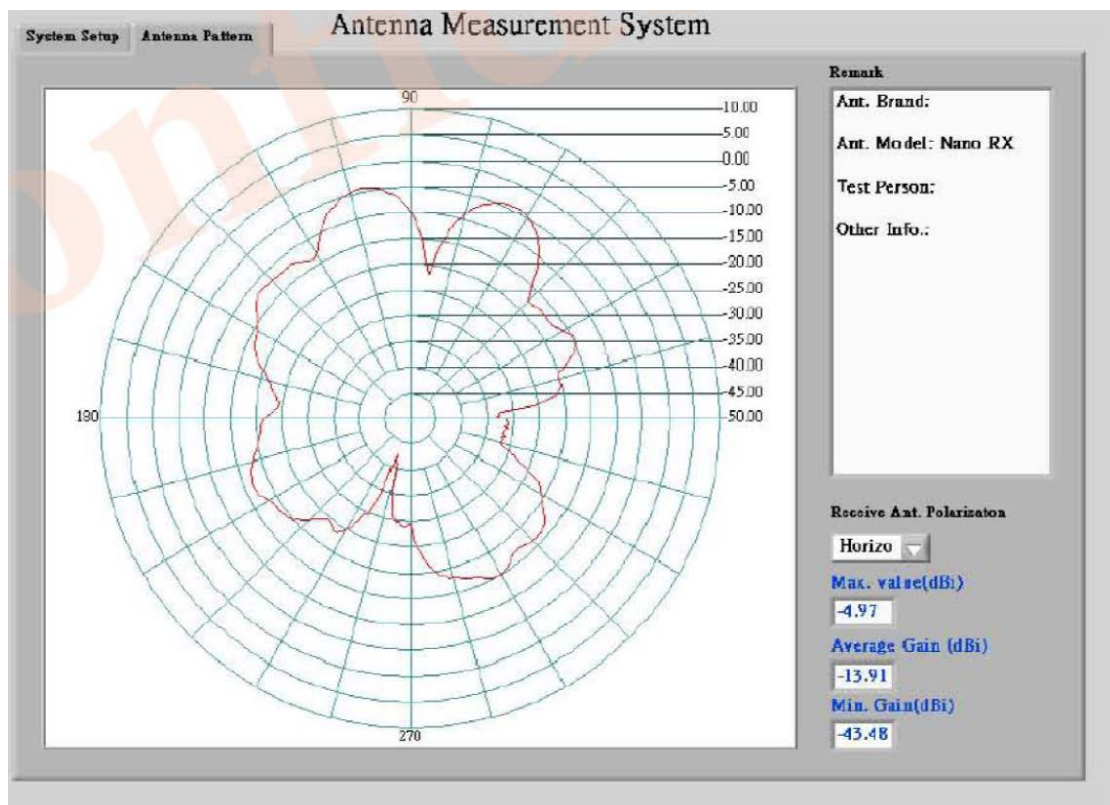


Center Frequency 2500MHz

*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