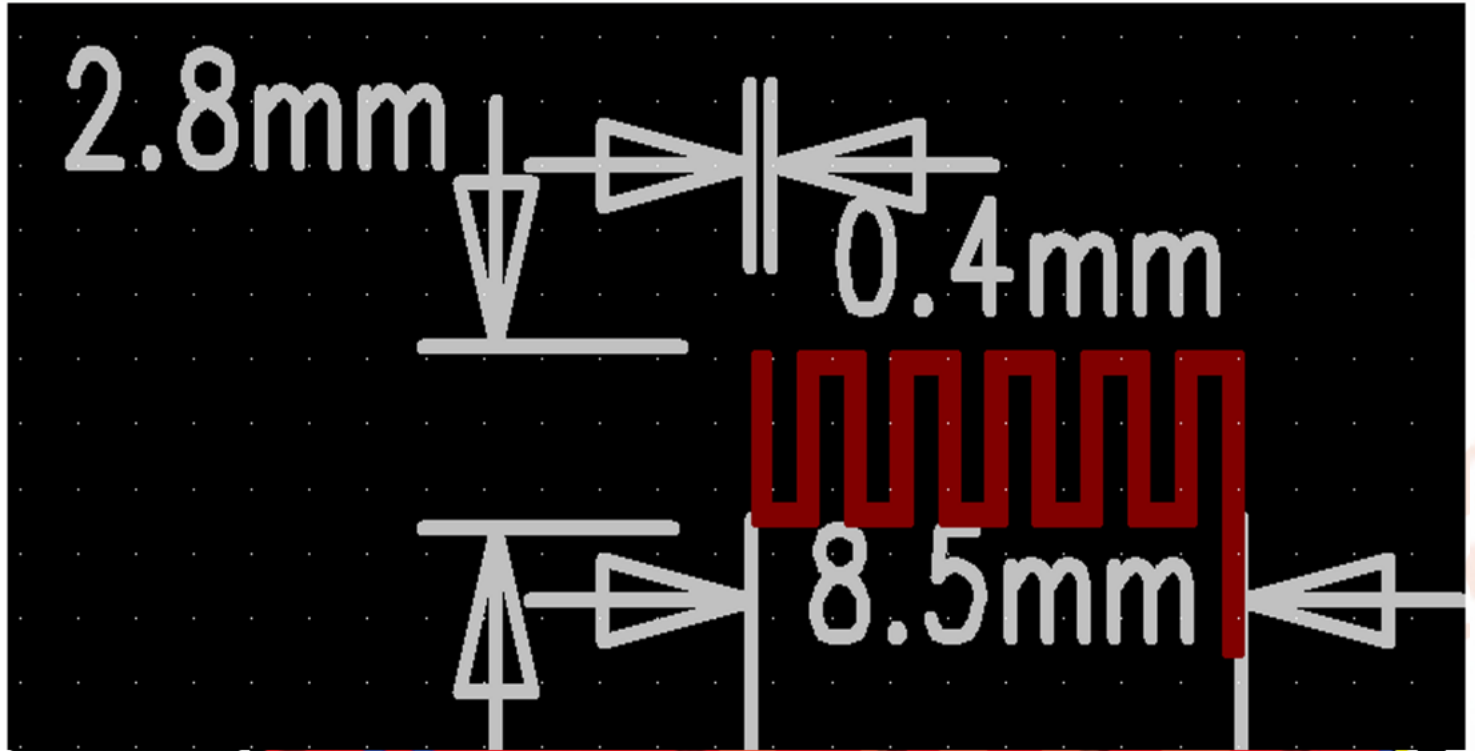
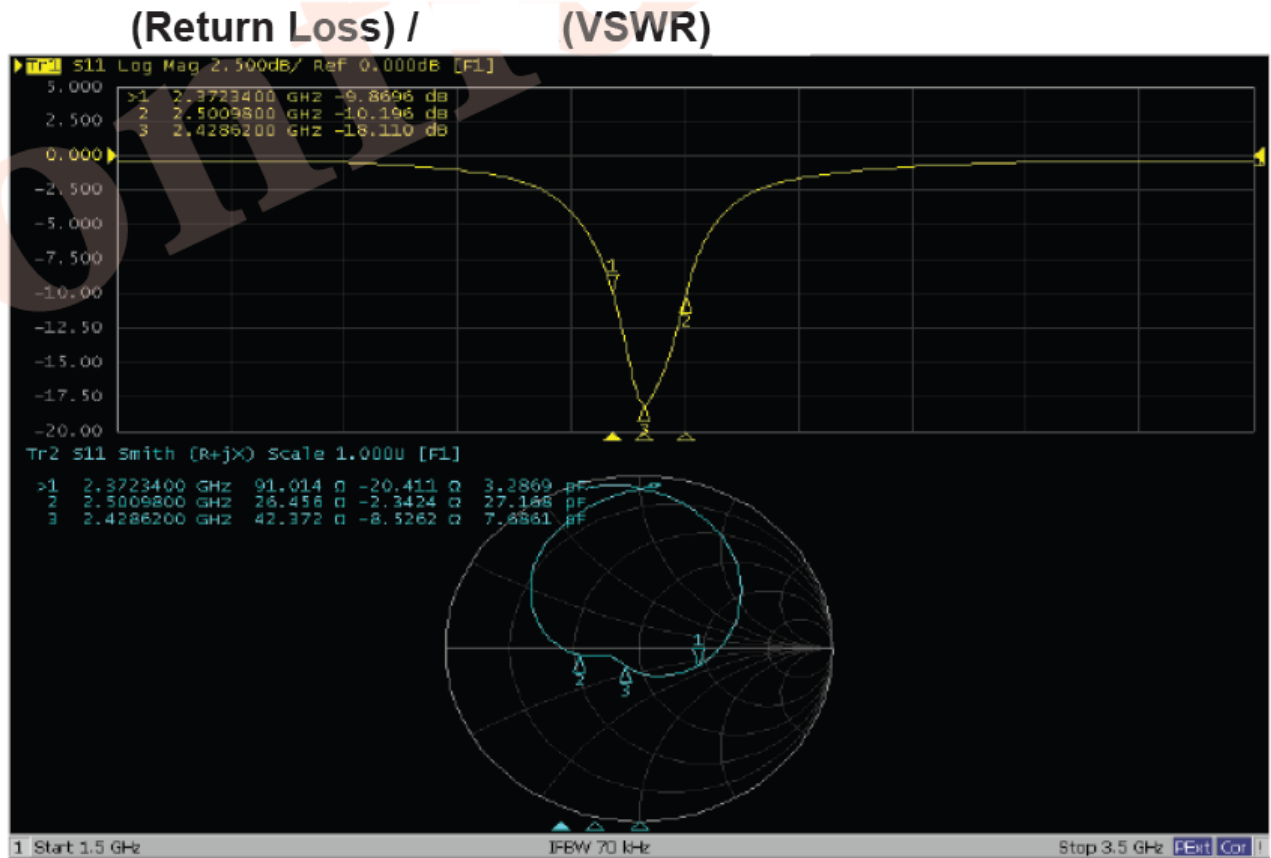


Type_3 Antenna Design Layout Guidelines & Pattern

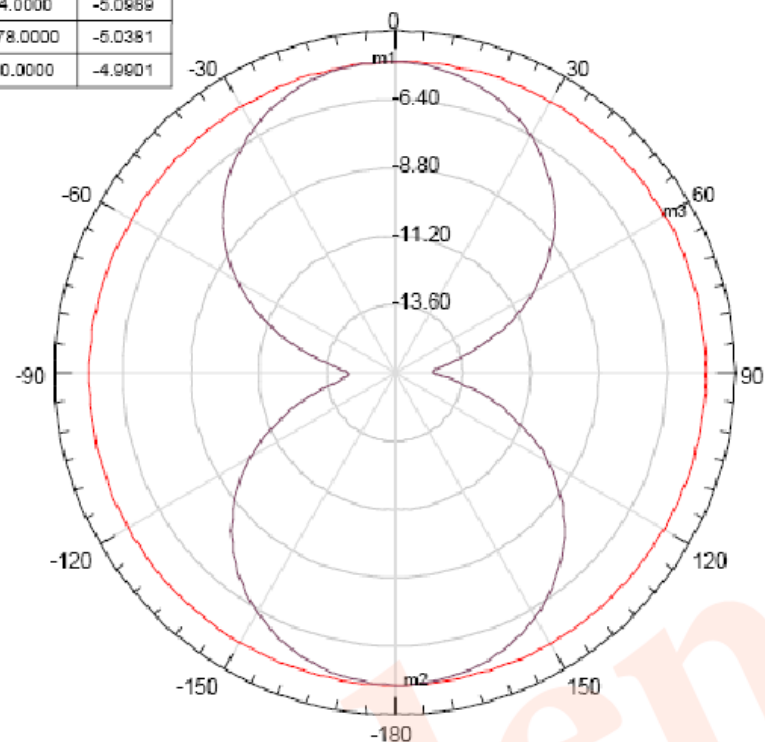
1. The specific dimensions of the antenna are as follows (mm)



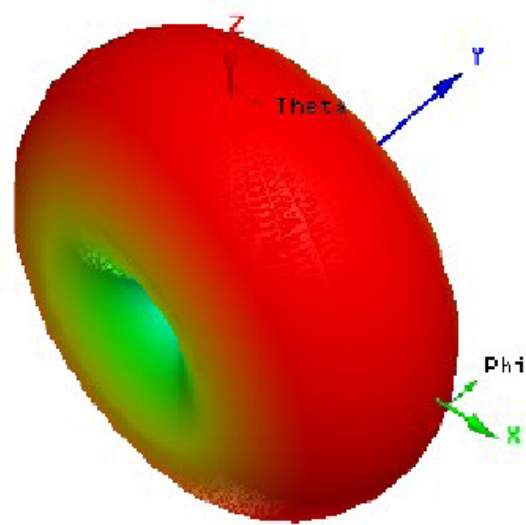
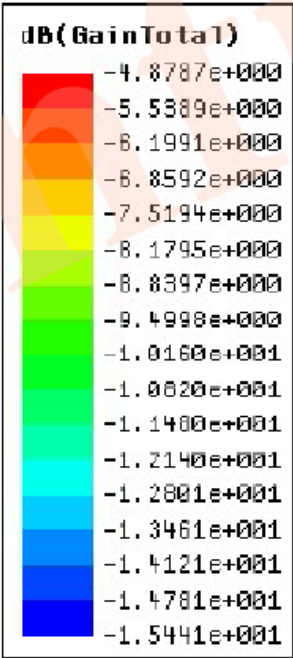
3. The results of antenna measurement and field shape simulation are as follows



Name	Theta	Ang	Mag
m1	-4.0000	-4.0000	-5.0989
m2	178.0000	178.0000	-5.0381
m3	60.0000	60.0000	-4.9901



Curve Info	
—	dB(GainTotal)
Setup1 : Sweep1	Phi='0deg'
—	dB(GainTotal)
Setup1 : Sweep1	Phi='90deg'



4. The actual field strength test of the antenna is as follows

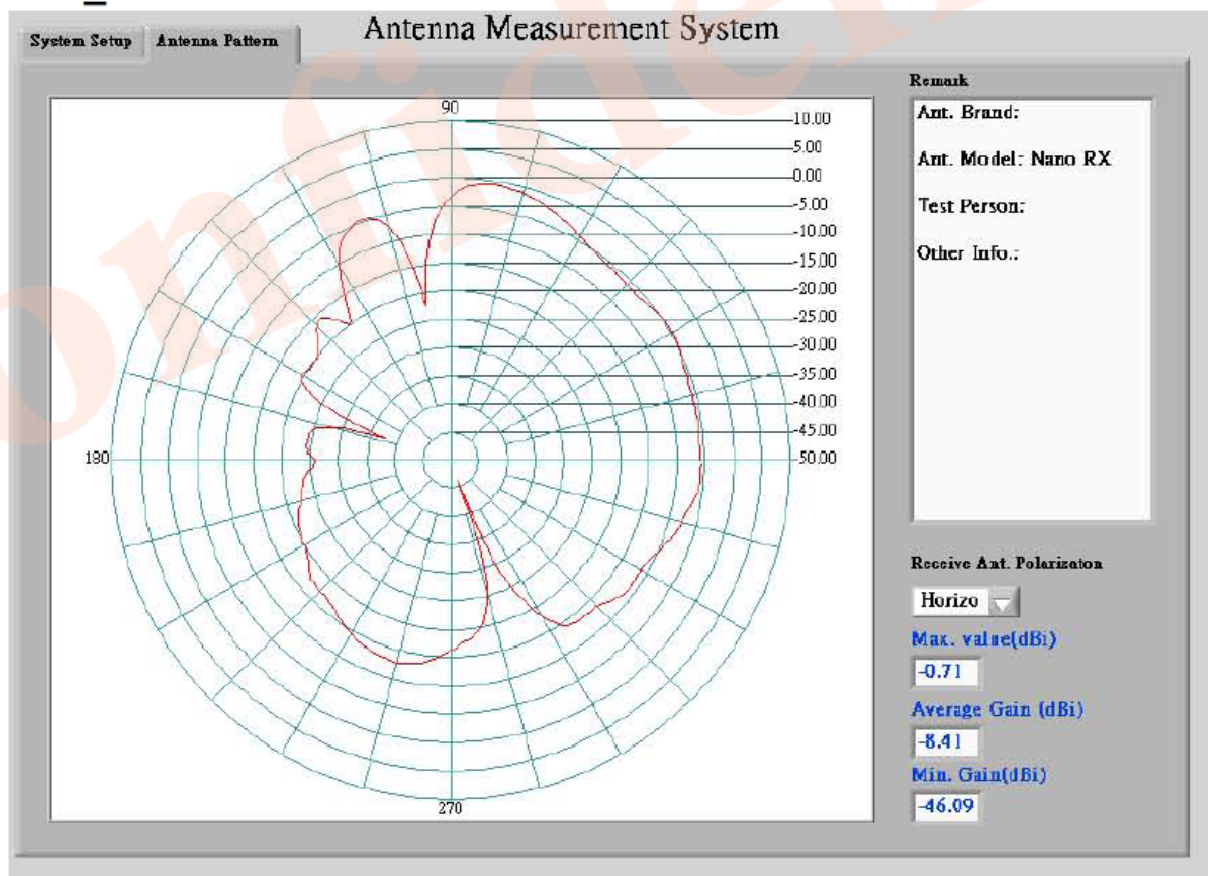
Summary

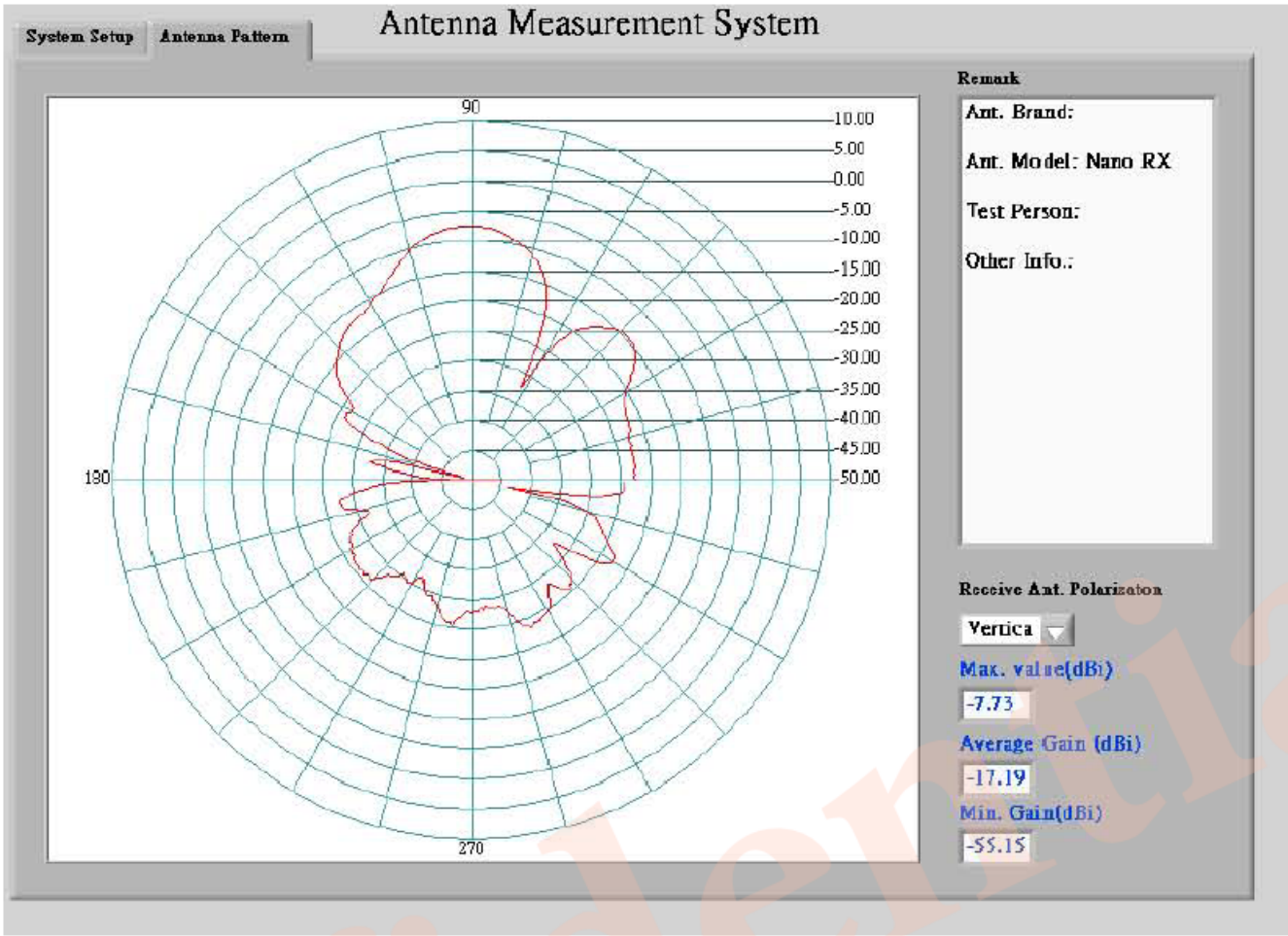
ITEM	SPEC.	
Antenna Type	Type_2_Single Wiggle Antenna	
Center Frequency	2400 MHz	- 0.71 dBi
	2450 MHz	- 0.84 dBi
	2500 MHz	- 1.75 dBi
Max. GAIN	- 0.71 dBi	
Mini. GAIN	- 55.15 dBi	
AVG GAIN	- 8.4 dBi	
DUT Polarization	Horizontal & Vertical	
TEST Output Power Level	10dBm	
Impedance	50 Ω	

(表一)

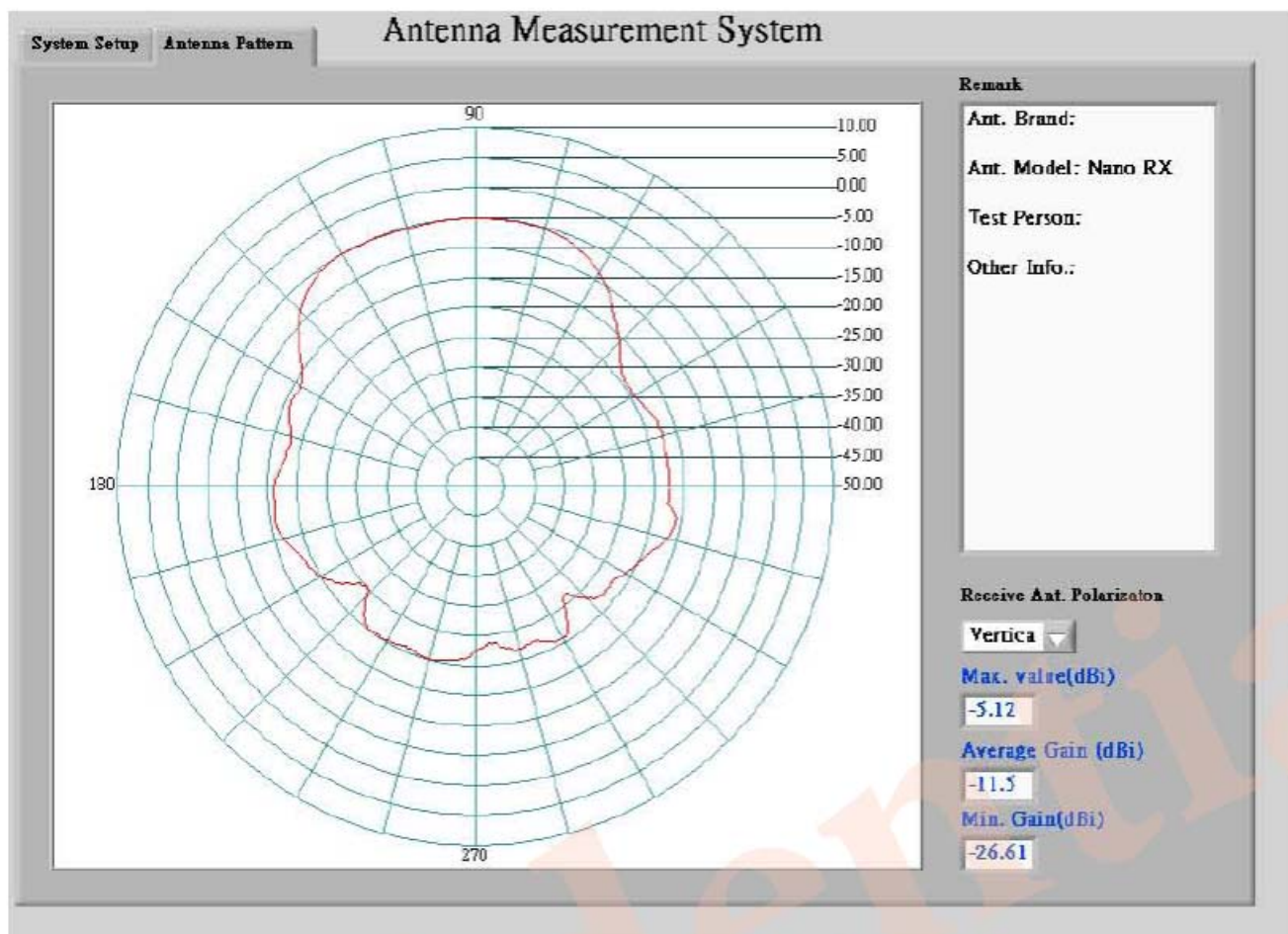
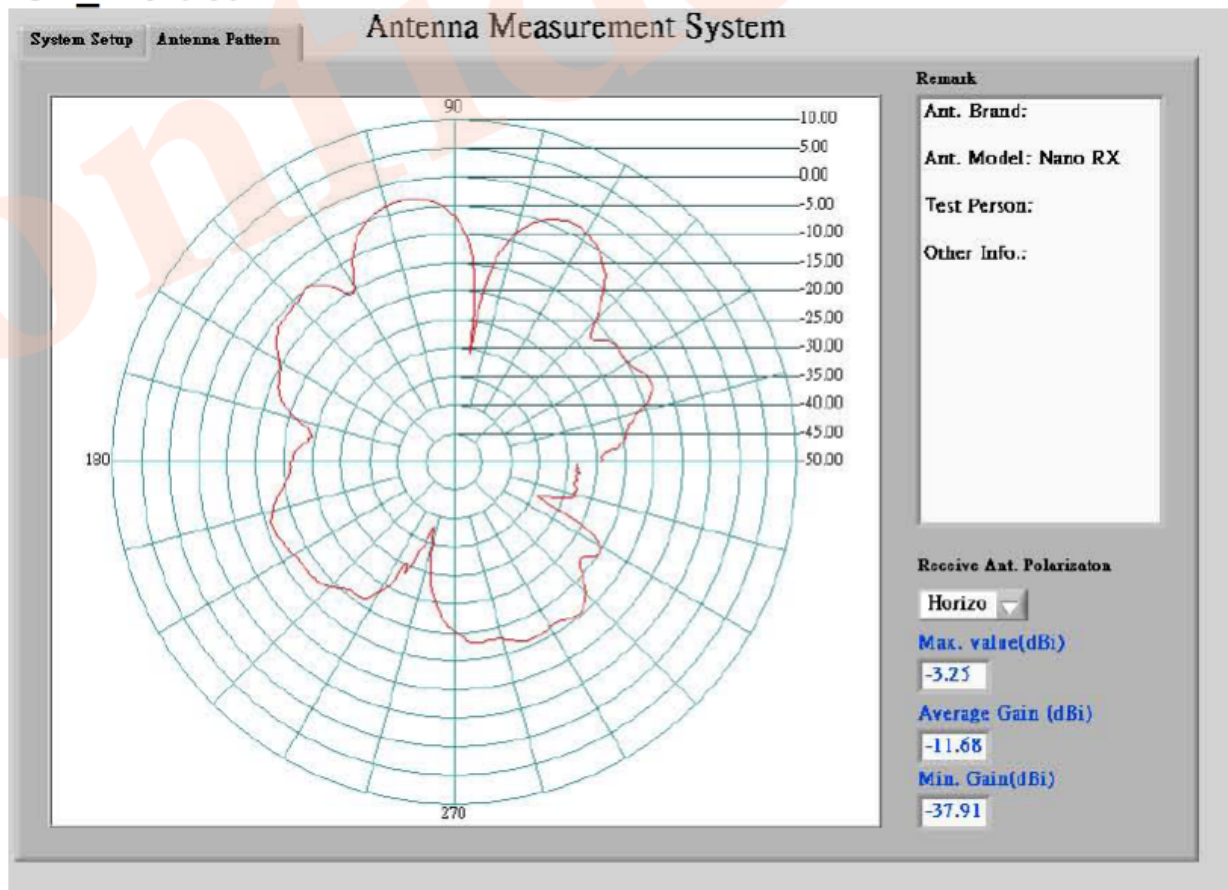
Center Frequency_2400MHz

* DUT_ Horizontal



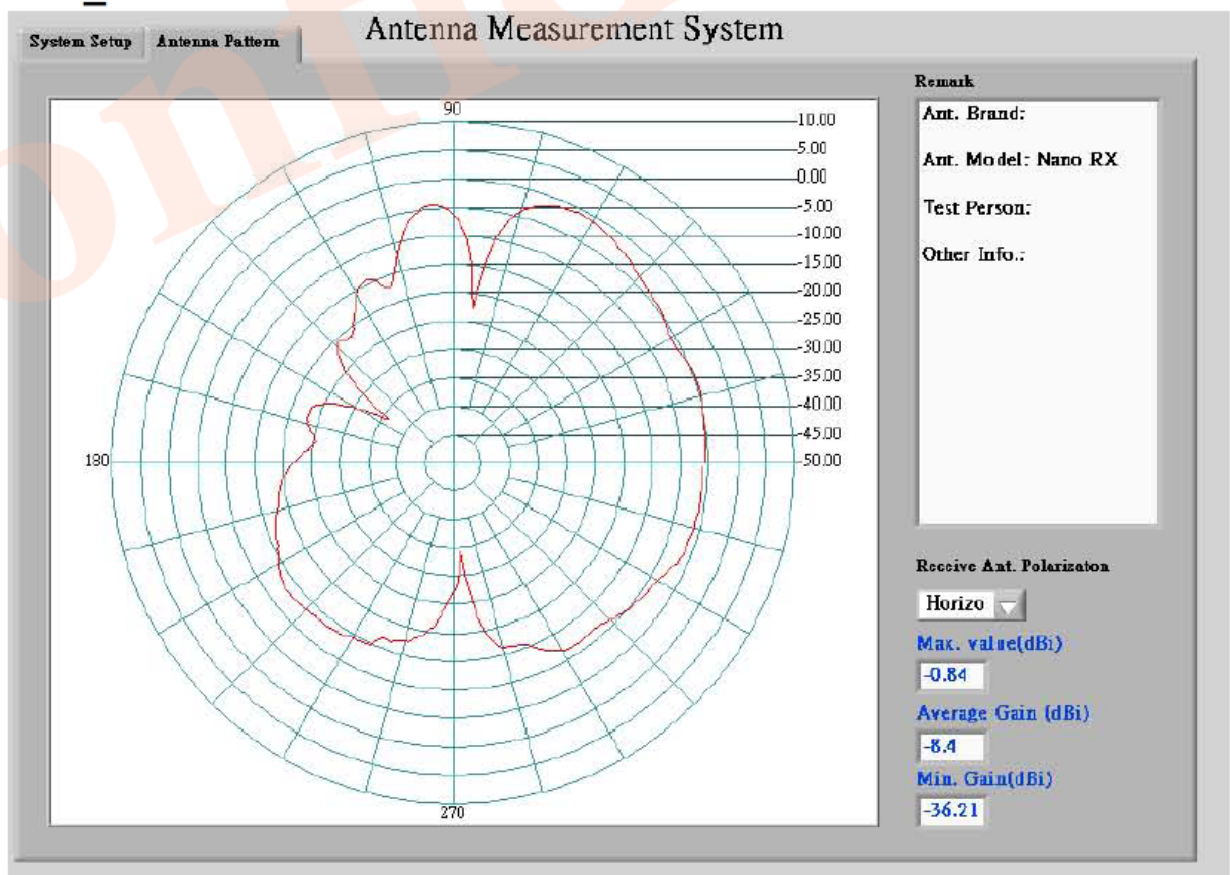


* DUT_Verical



Center Frequency_2450MHz

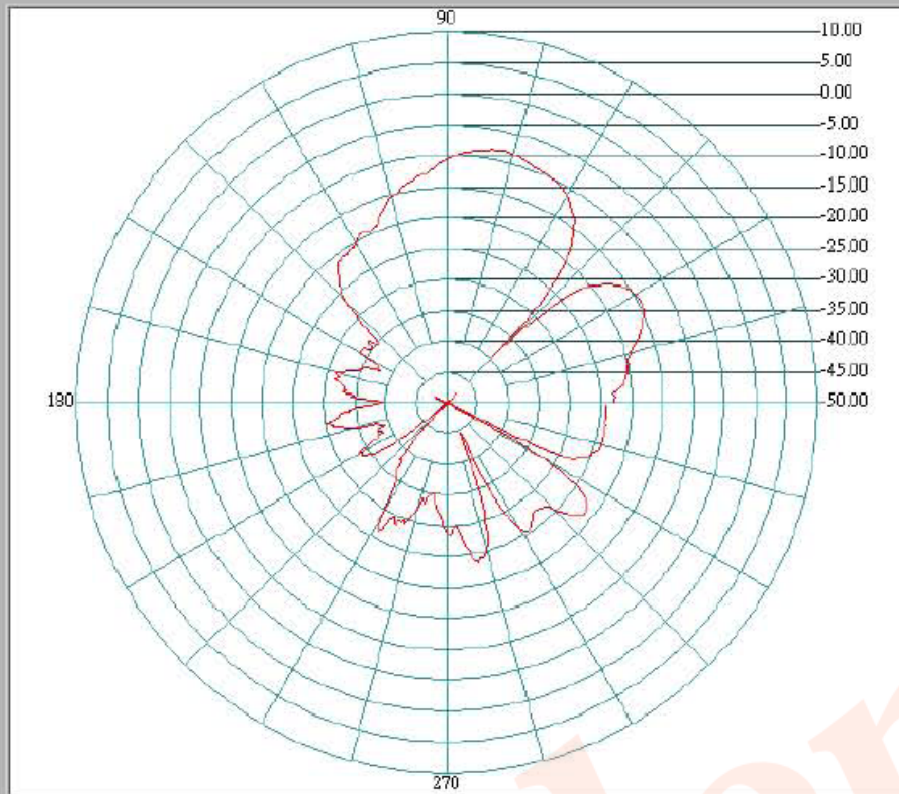
* DUT_ Horizontal



System Setup

Antenna Pattern

Antenna Measurement System



Remark

Ant. Brand:

Ant. Model: Nano RX

Test Person:

Other Info.:

Receive Ant. Polarization

Vertical

Max. value(dBi)

-8.3

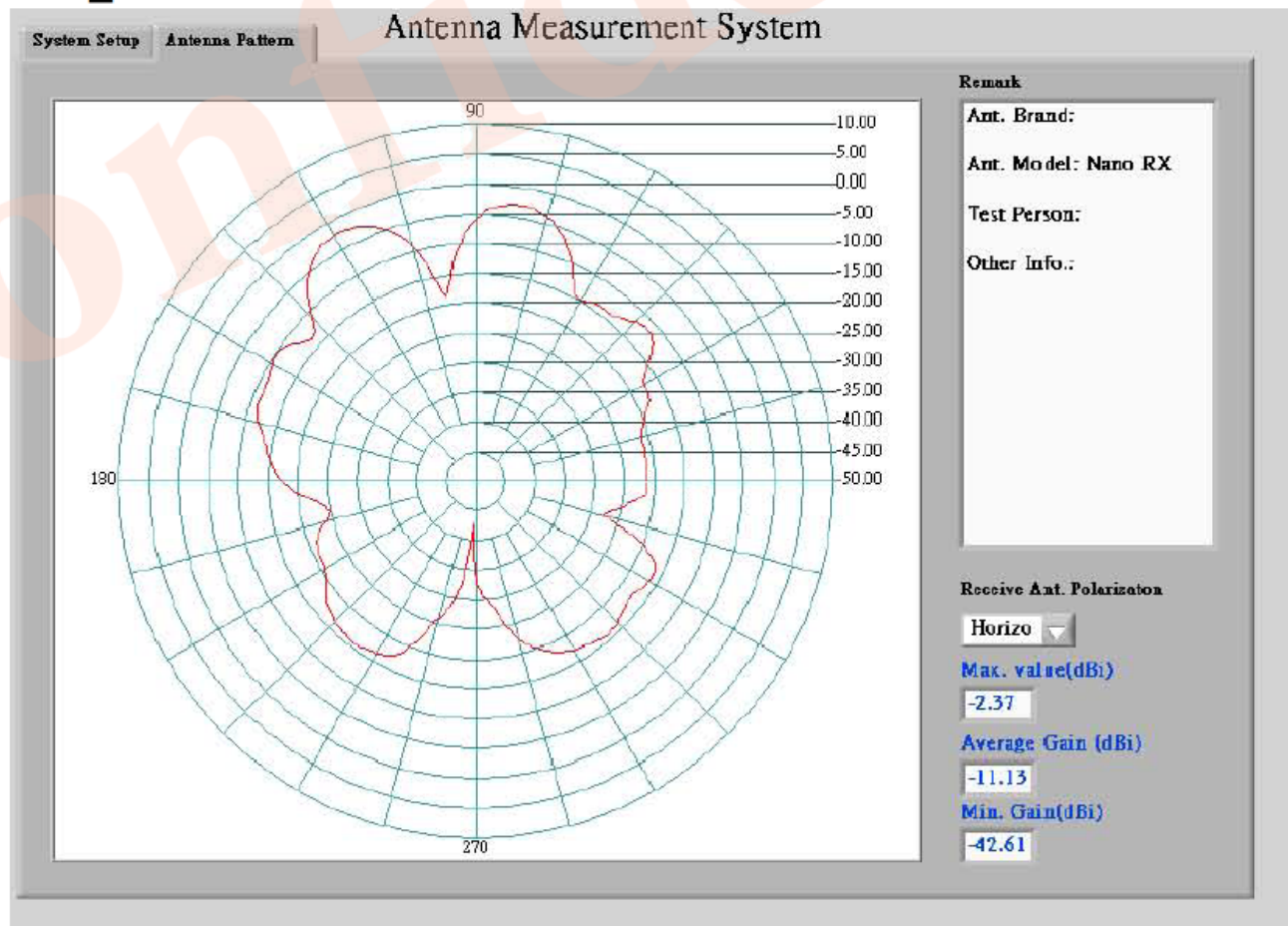
Average Gain (dBi)

-17.74

Min. Gain(dBi)

-52.24

* DUT_ Vertical



System Setup

Antenna Pattern

Antenna Measurement System

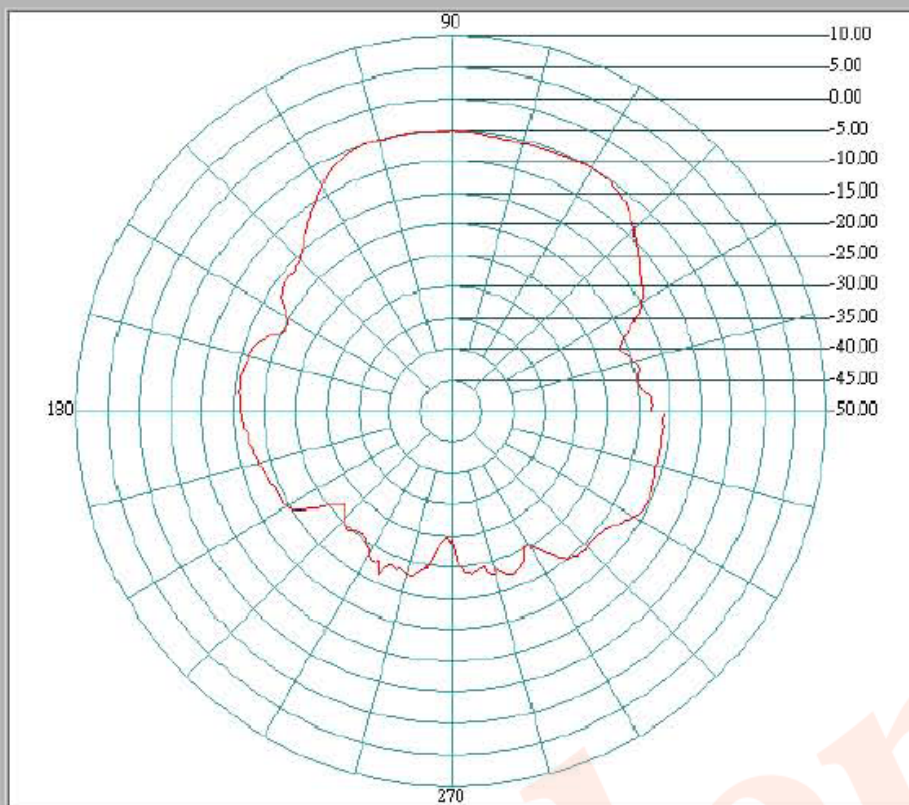
Remark

Ant. Brand:

Ant. Model: Nano RX

Test Person:

Other Info.:



Receive Ant. Polarization

Vertical

Max. value(dBi)

-5.09

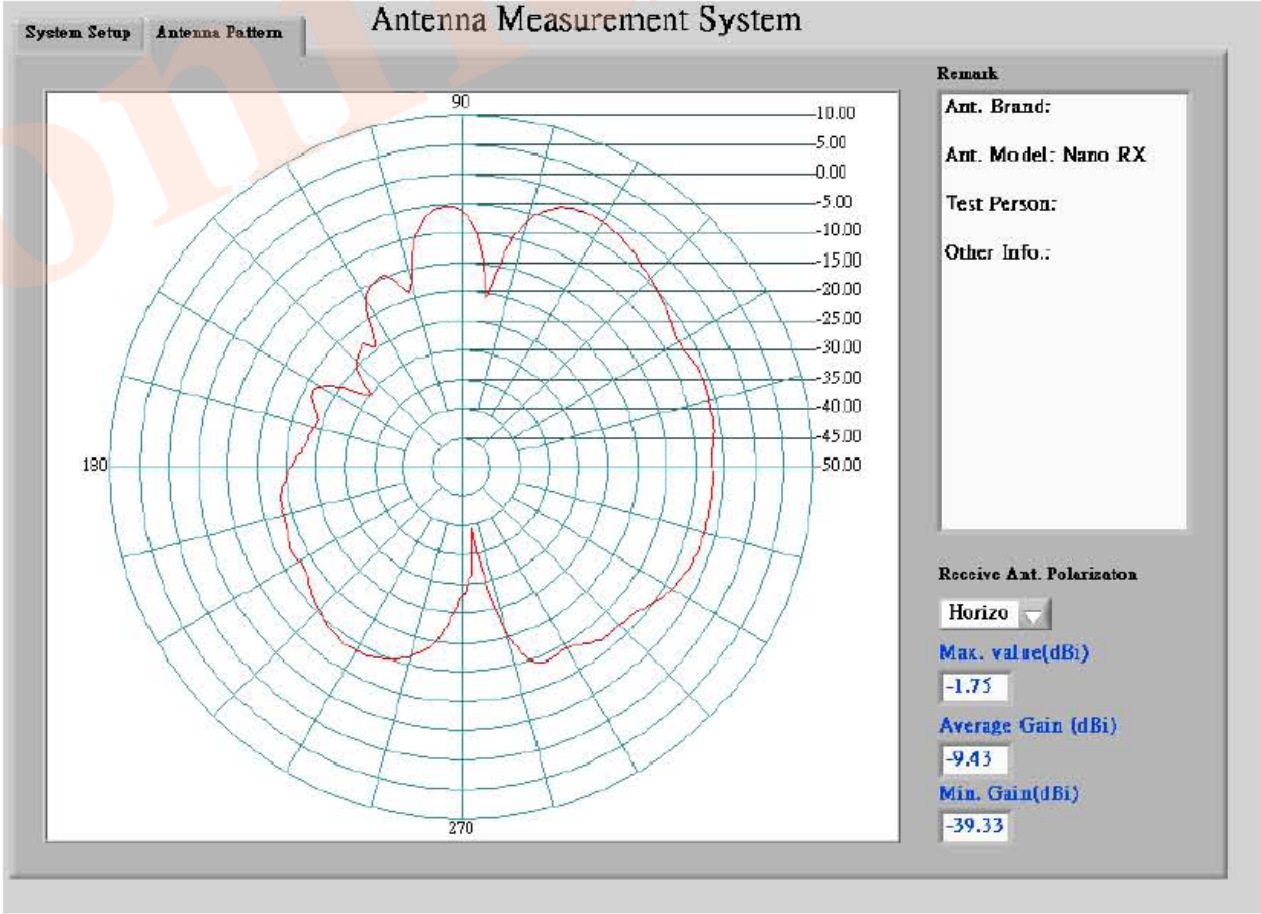
Average Gain (dBi)

-11.46

Min. Gain(dBi)

-29.87

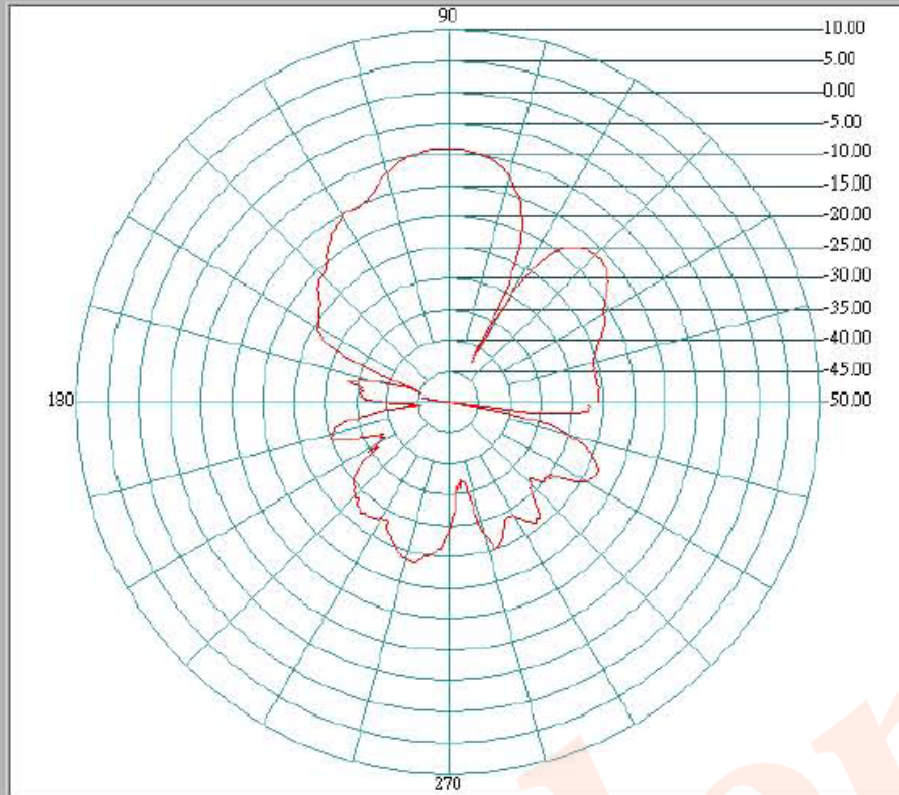
Center Frequency_2500MHz
* DUT_ Horizontal



System Setup

Antenna Pattern

Antenna Measurement System



Remark

Ant. Brand:

Ant. Model: Nano RX

Test Person:

Other Info.:

Receive Ant. Polarization

Vertical

Max. value(dBi)

-9.14

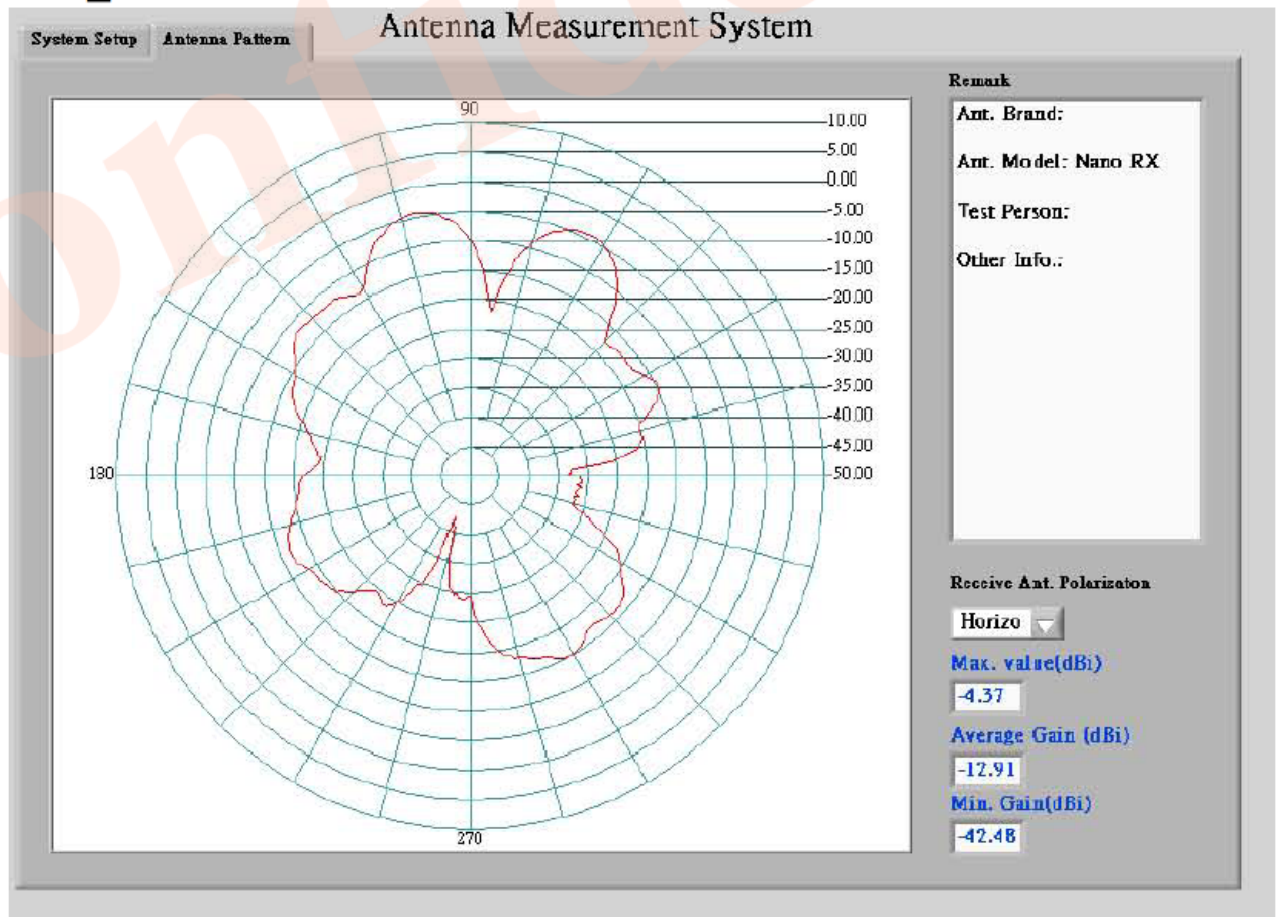
Average Gain (dBi)

-18.54

Min. Gain(dBi)

-54.11

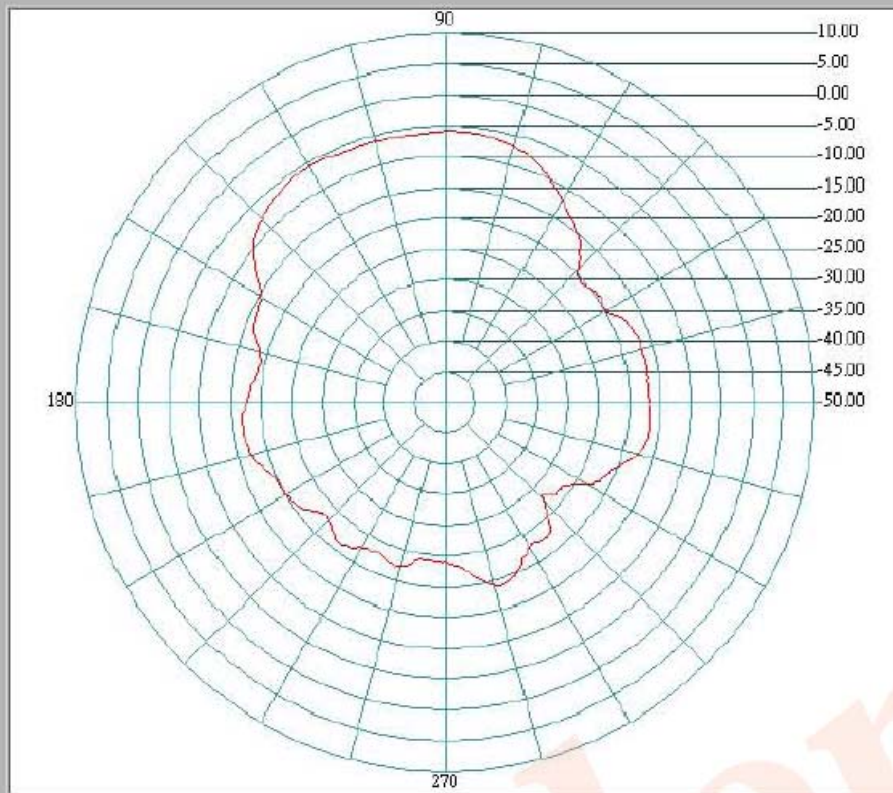
* DUT_ Vertical



System Setup

Antenna Pattern

Antenna Measurement System



Remark

Ant. Brand:

Ant. Model: Nano RX

Test Person:

Other Info.:

Receive Ant. Polarization

Vertica

Max. value(dBi)

-5.77

Average Gain (dBi)

-17.32

Min. Gain(dBi)

-28.27