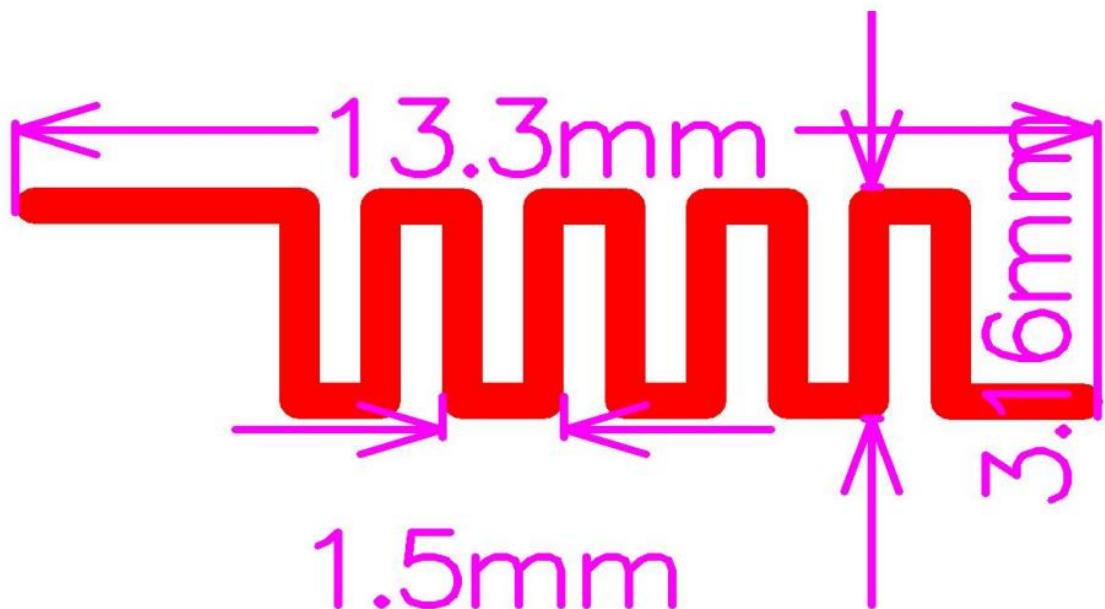


## 1. Antenna Description:

Antenna type	PCB antenna
Model	ZX-K301
Frequency range	2400-2500MHz
Manufacturer	Zhongxin Electronic Technology Co. , Ltd.
ANT Peak Gain	2.03 dBi

## 2. Antenna Photo:



## 3. Test Equipment & Conditions

### 3.1 Test instrument

VSWR is tested using Agilent E5071B connected to a hand mechanism, and the status is free space.

### 3.2 Test environment and methods

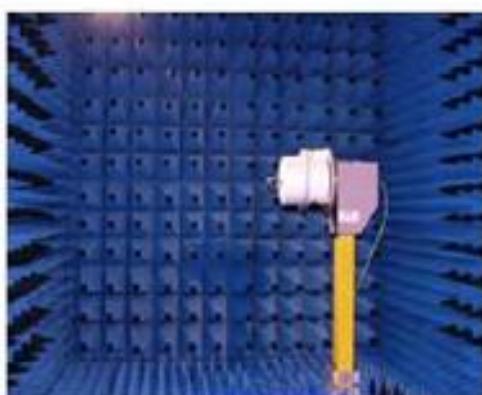
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

LTE-TDD/FDD-SCDMA test equipment: StarPoint SP8011/CMW500

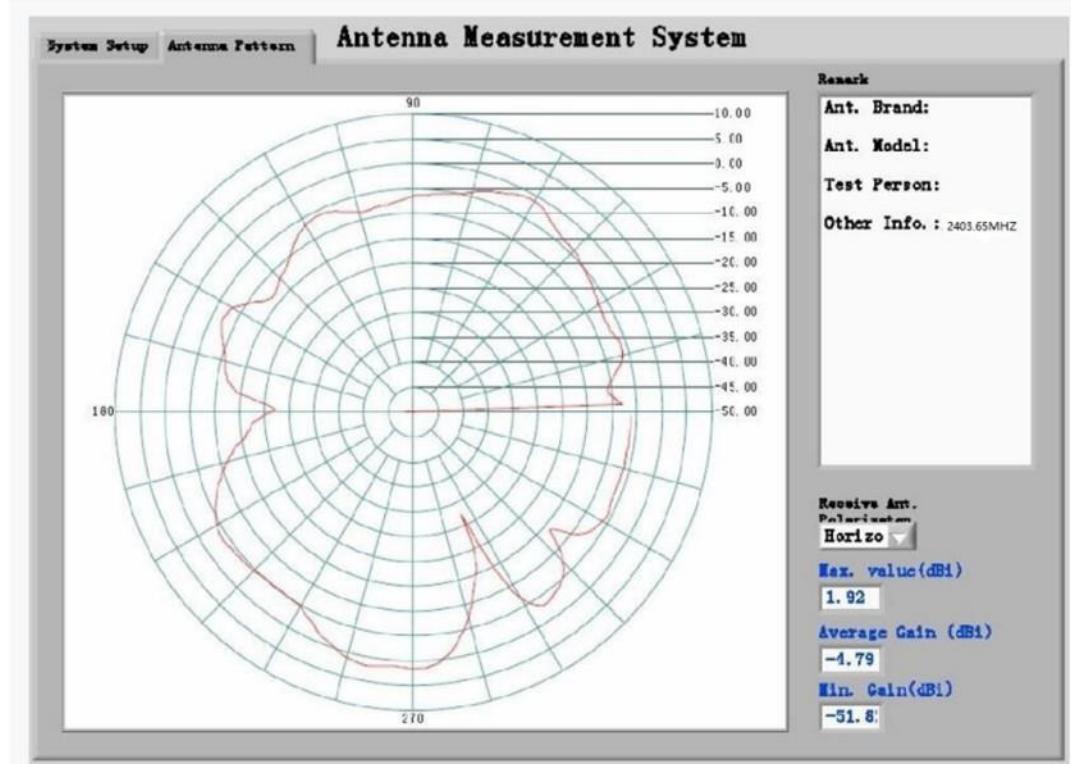
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

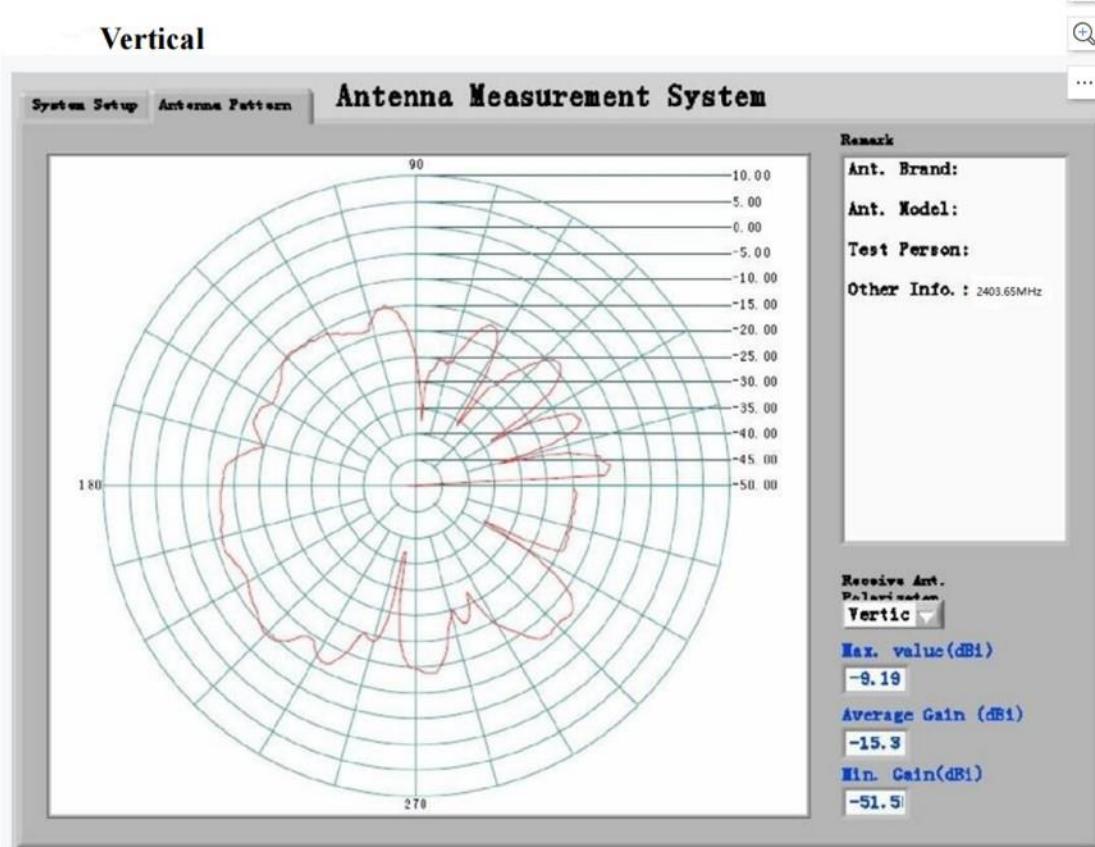


## 4 . Antenna Radiation Pattern

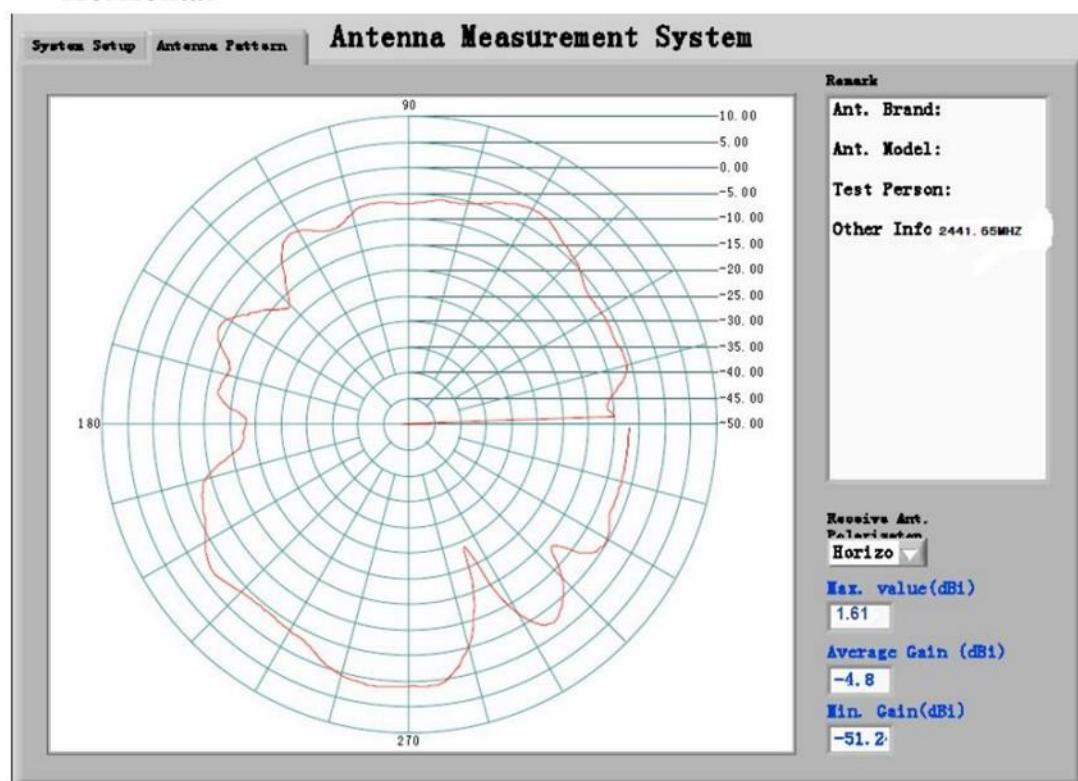
Main antenna : 2403.65 MHz  
Horizontal



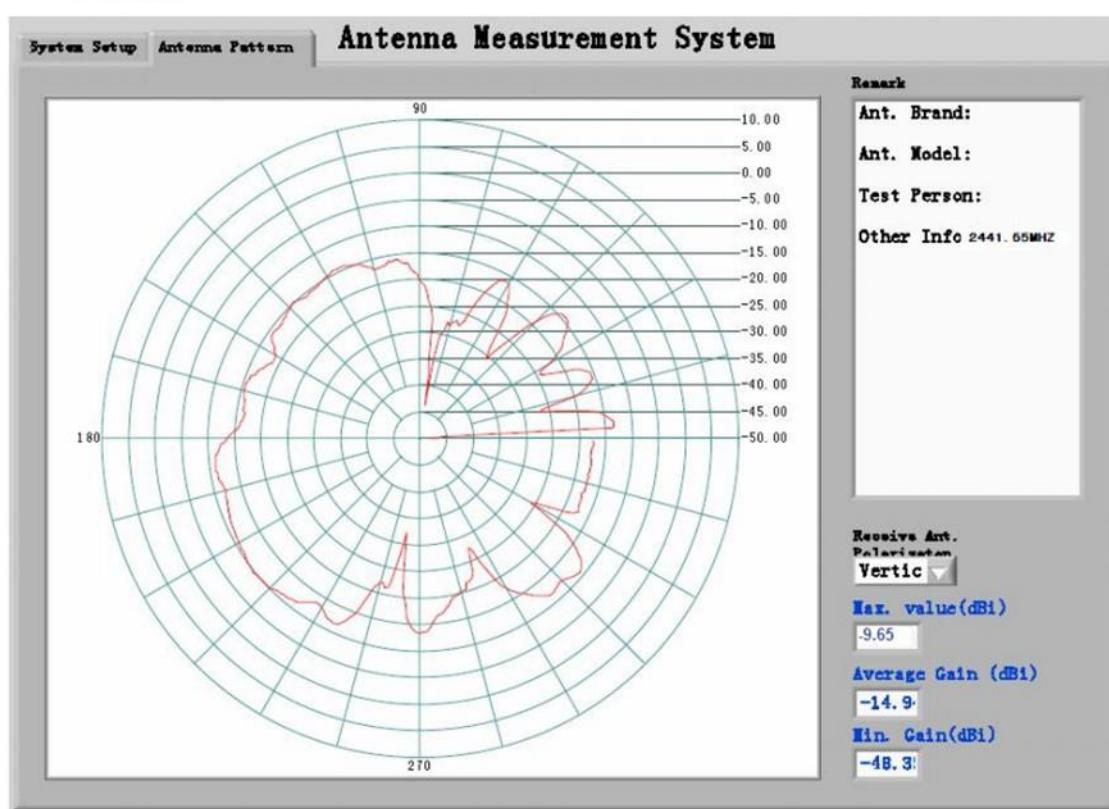
Vertical



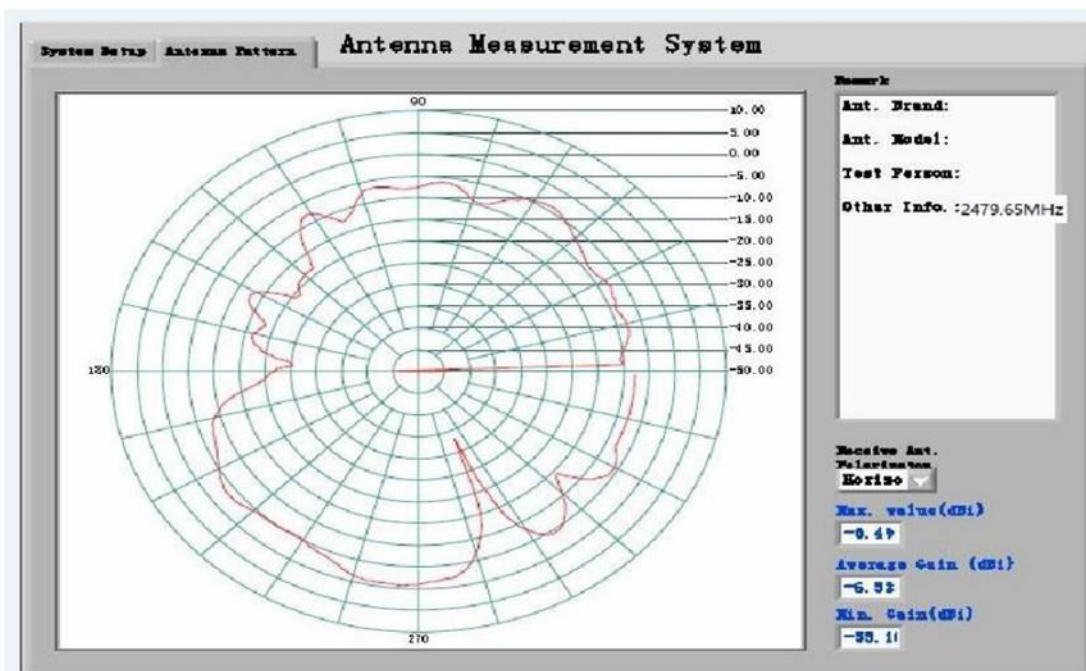
**Main antenna : 2441.65 MHz**  
**Horizontal**



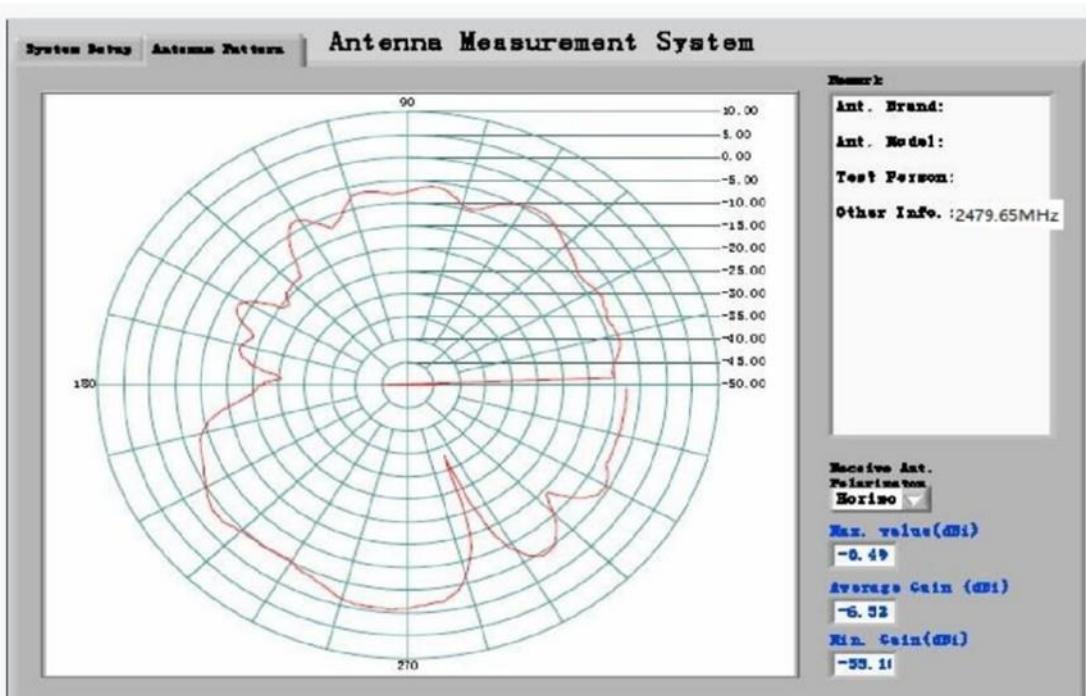
**Vertical**



Main antenna : 2479.65 MHz  
Horizontal



Vertical



## Result

<b>Center Frequency</b>		<b>Maximum Ant Gain</b>	
<b>2403.65 MHz</b>	<b>H</b>	<b>2.03 dBi</b>	
	<b>V</b>	<b>-9.24 dBi</b>	
<b>2441.65 MHz</b>	<b>H</b>	<b>1.61 dBi</b>	
	<b>V</b>	<b>-9.65 dBi</b>	
<b>2479.65 MHz</b>	<b>H</b>	<b>0.49 dBi</b>	
	<b>V</b>	<b>-11.45 dBi</b>	