

Antenna Specification

customer : _____

Model name: UB01C70F2D4525A

Antenna type:Internal Antenna

Rev	Date	Description	prepared	checked	Approved
	2013. 03. 01				

1、 **Test content:**

WLAN Antenna measurement

2、 **Test project:** (Horizontal & vertical)

S11 Return Loss 、 Antenna GAIN、 Radiation pattern

3、 **Test setting:**

Source Antenna:SATIM0

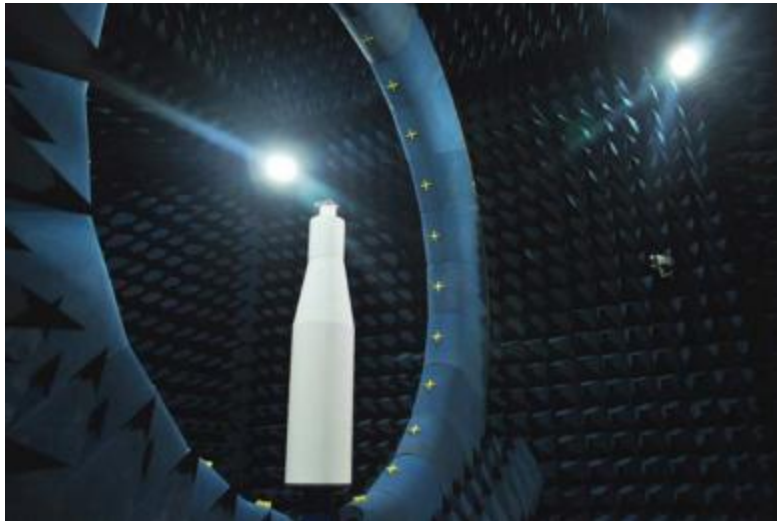
Test Frequency: 2400MHz、 2450MHz 、 2500MHz

4、 **Test environment:**

Room temperature: 25°C

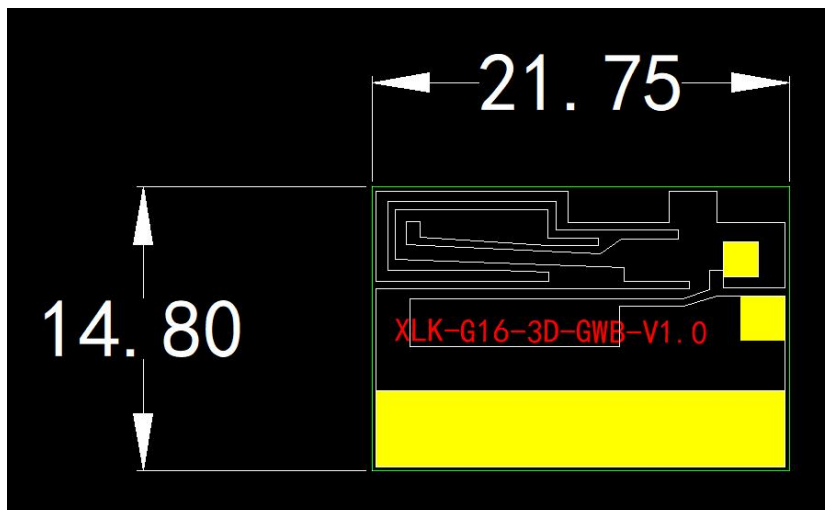
Humidity: 50%

5、 **Test schematic drawing of setting:**



6、 Antenna size diagram

unit : mm



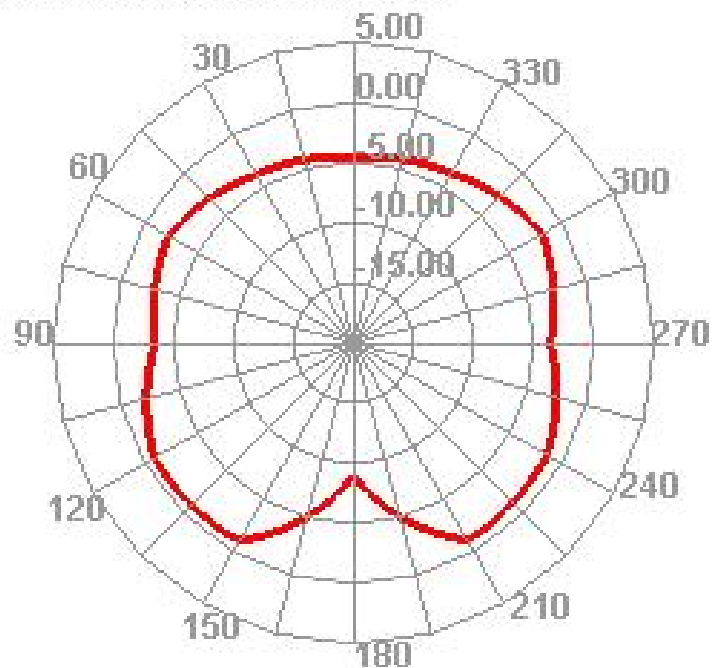
7、Test data:

7.1、S11 Return Loss



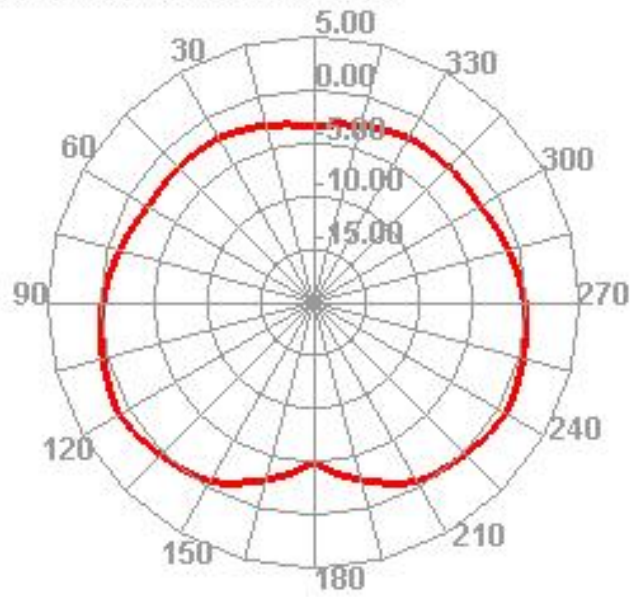
7.2、X-Z Plane Polar

2400.000MHz E1



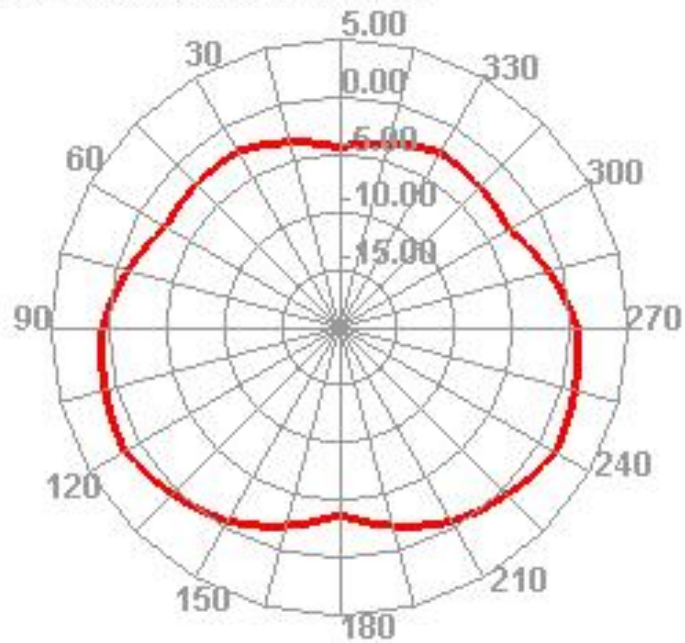
7.3、Y-Z Plane

2450.000MHz E1



7.4、X-Y Plane

2500.000MHz E1



7.5、 Efficiency:

Passive Test For WIFI2.4		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	47.64	-0.86
2410	44.17	-0.35
2420	41.9	-0.47
2430	42.8	-0.33
2440	46.52	0.57
2450	46.59	1.1
2460	49.23	1.07
2470	49.27	0.71
2480	48.16	0.83
2490	53.94	0.6
2500	52.08	2

7.6、