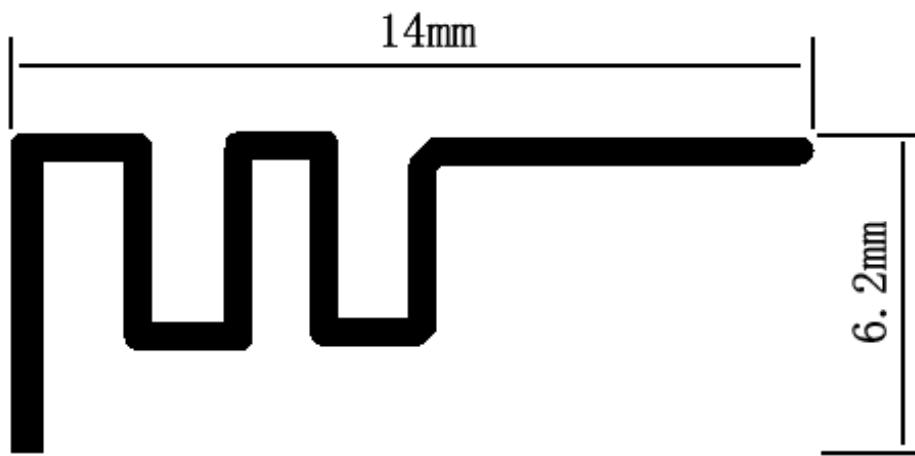


Antenna Photo & Length (mm)



Model Name : 2.4G ANT

Azimuth Beam

Pattern : Omni-directional

Polarization : Horizontal and Vertical

Impedance : 50 Ohm

Company name: Xin Shikong Electronics Co.,Ltd.

Company Address: Room 5208, Building A, Yikang Business Building, No. 33 Huarong Road, Gaofeng Community, Dalang Street, Longhua District, Shenzhen;

## I. Antenna Spec.

### I.1 Spec

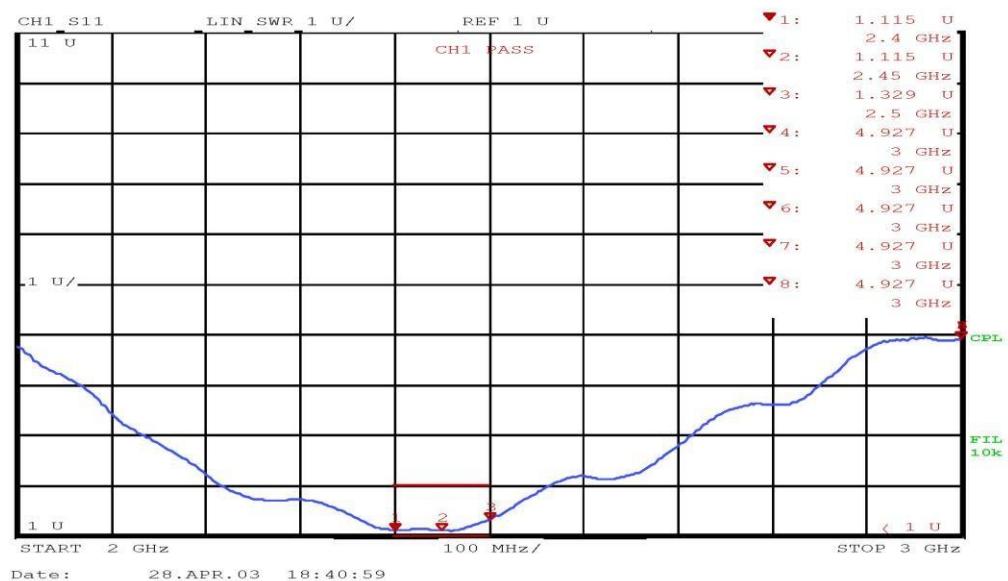
<i>Item</i>	<i>Spec</i>
Frequency range	2.4 ~ 2.5GHz
VSWR	$\leq 2$
Null point check	Any $30^\circ$ angle range can't have null depth

Average Gain (dBi)			Peak Gain (dBi)		
2.4GHz	2.45GHz	2.5GHz	2.4GHz	2.45GHz	2.5GHz
$\geq -4$	$\geq -4$	$\geq -4$	$\leq 3$	$\leq 3$	$\leq 3$

### III. Antenna test report

### III.1 VSWR

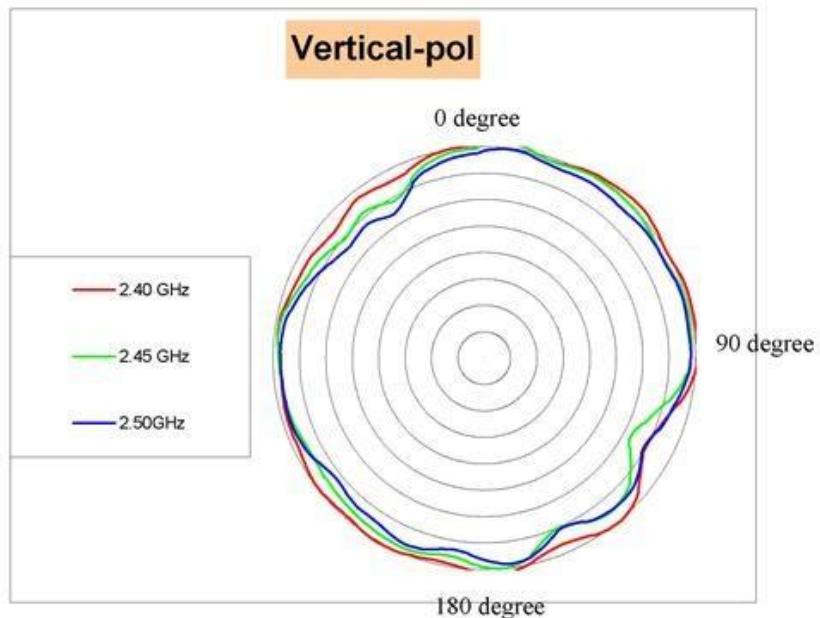
VSWR			Pass/NG
2.4GHz	45GHz	2.5GHz	
1.12	1.12	1.33	Pass

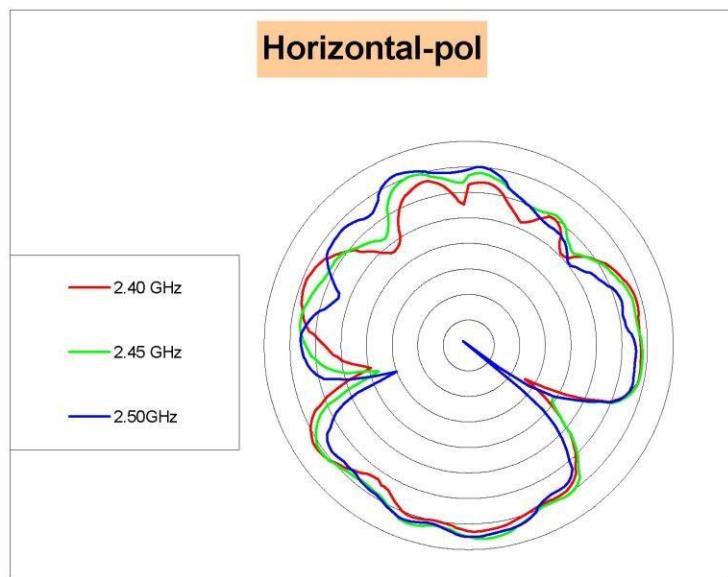


**Test setup: Antenna on elevation angle  $\theta = 0^\circ$  azimuth plane**

Average Gain (dBi)			Peak Gain (dBi)			Pass /NG
2.4GHz	2.45GHz	2.5GHz	2.4GHz	2.45GHz	2.5GHz	
<b>-2.20</b>	<b>-2.44</b>	<b>-2.67</b>	<b>1.22</b>	<b>1.20</b>	<b>-0.02</b>	<b>Pass</b>

*Pattern*

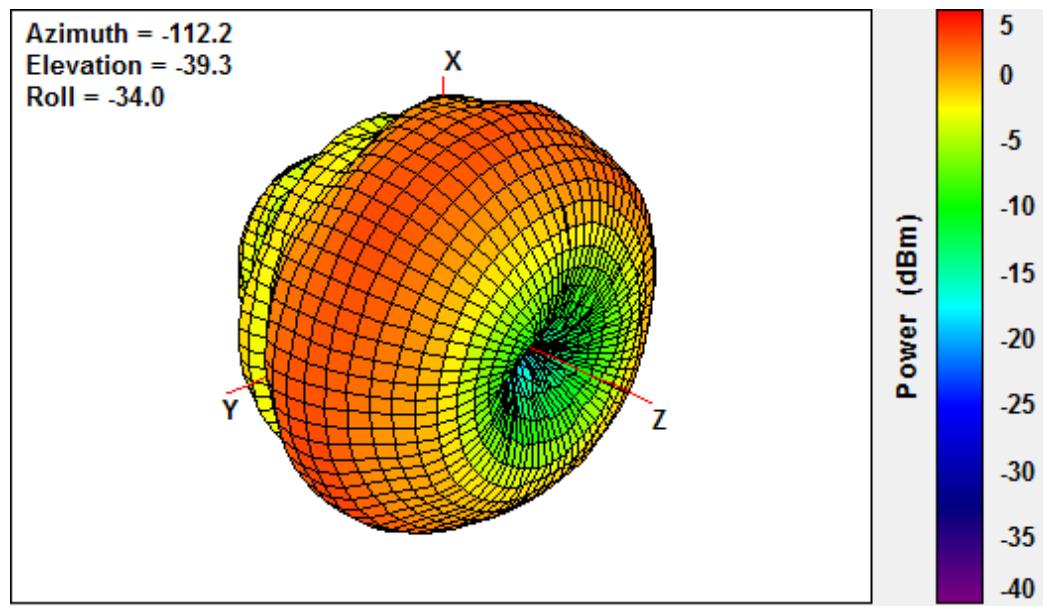
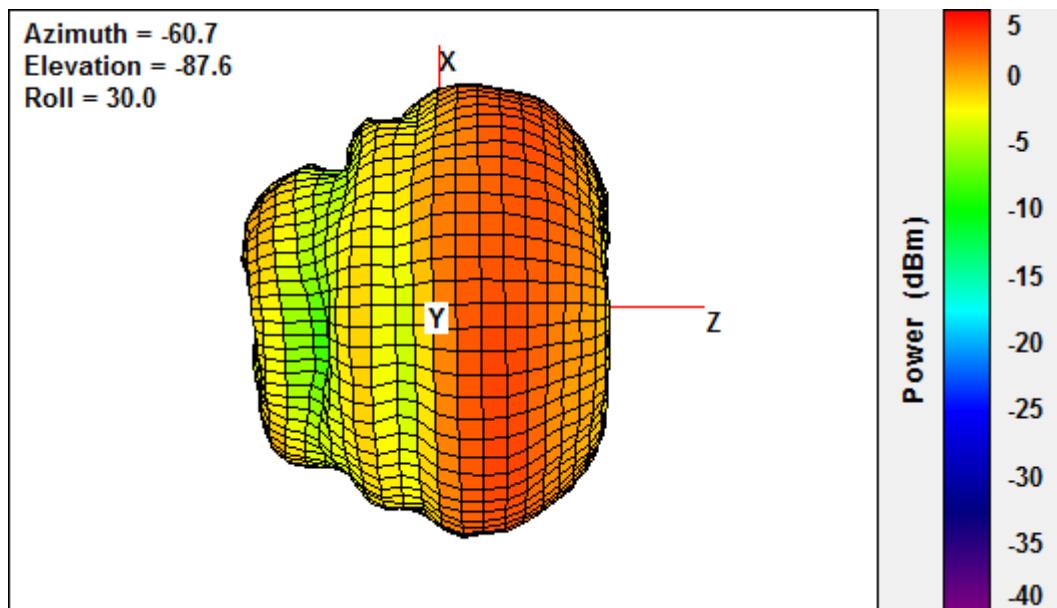




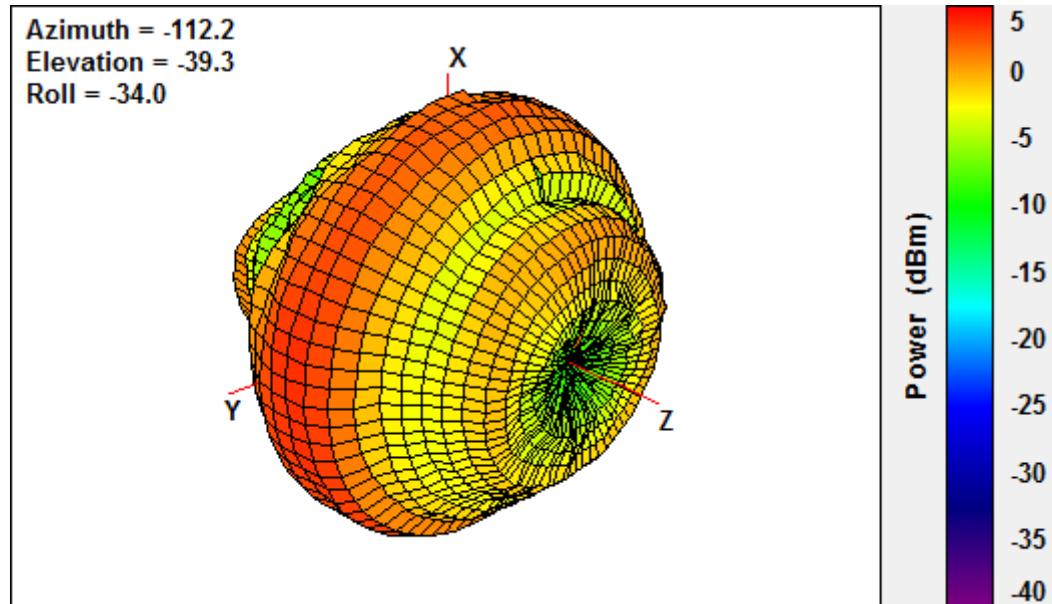
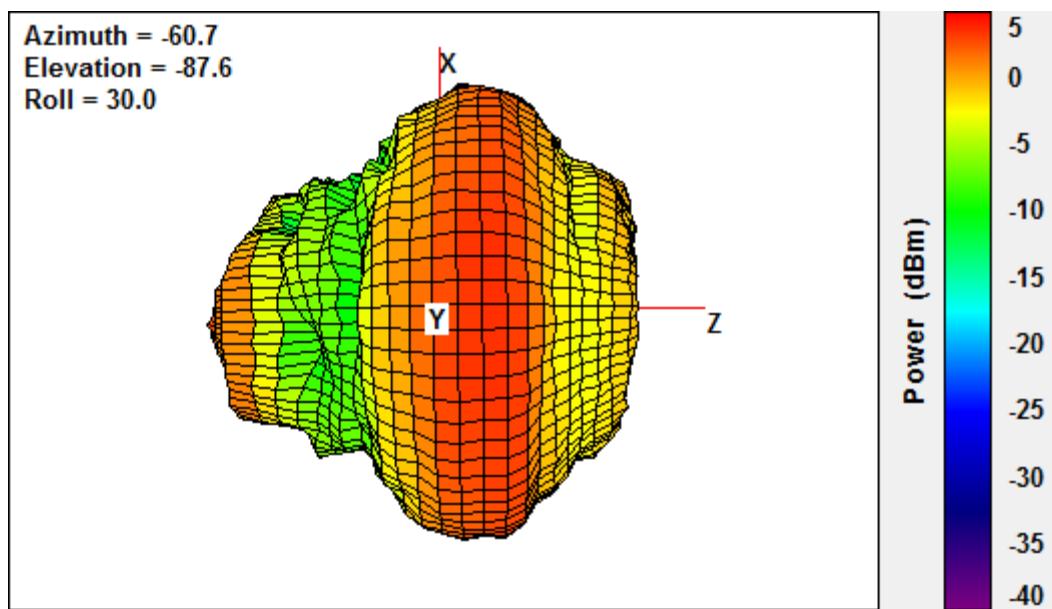
**Conclusion:**

**Based on the test result above, the antenna performance is OK.**

2.4GHz



2.45GHz



2.5GHz

