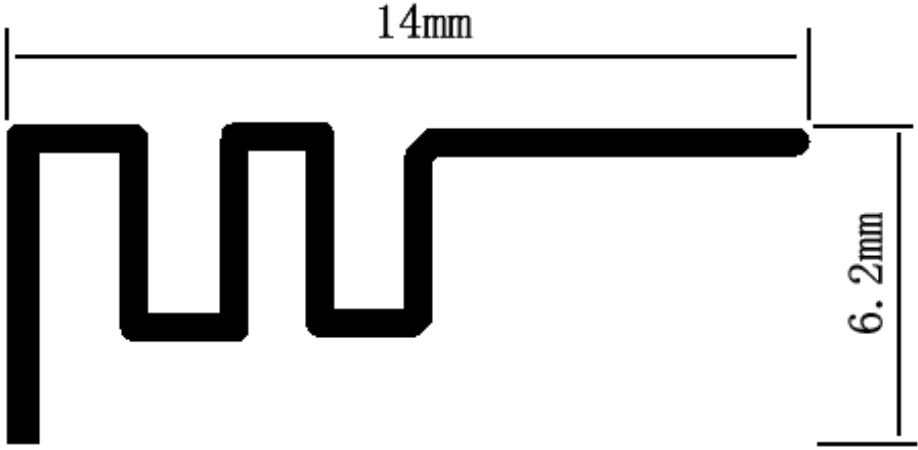


Antenna Photo & Length (mm)	
	
Model Name : 2.4G ANT	
Azimuth Beam	
Pattern : Omni-directional	
Polarization : Horizontal and Vertical	
Impedance : 50 Ohm	
Company name: Xin Shikong Electronics Co.,Ltd.	
Company Address: Room 5208, Building A, Yikang Business Building, No. 33 Huarong Road, Gaofeng Community, Dalang Street, Longhua District, Shenzhen;	

I. Antenna Spec.

I.1 Spec

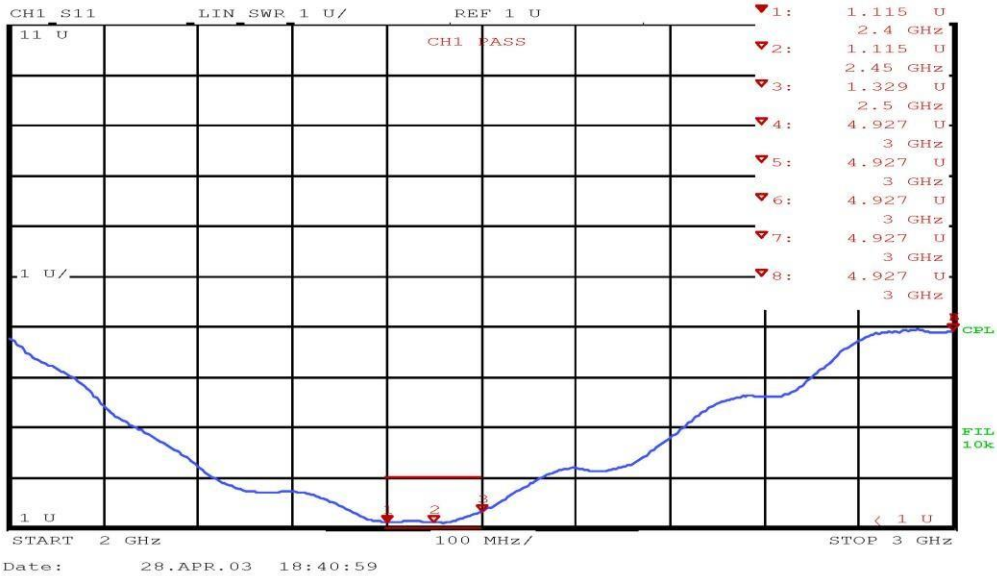
Item	Spec
Frequency range	2.4 ~ 2.5GHz
VSWR	$\leq 2$
Null point check	Any 30° angle range can't have null depth

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	2.45GHz	2.5GHz	
1.12	1.12	1.33	Pass

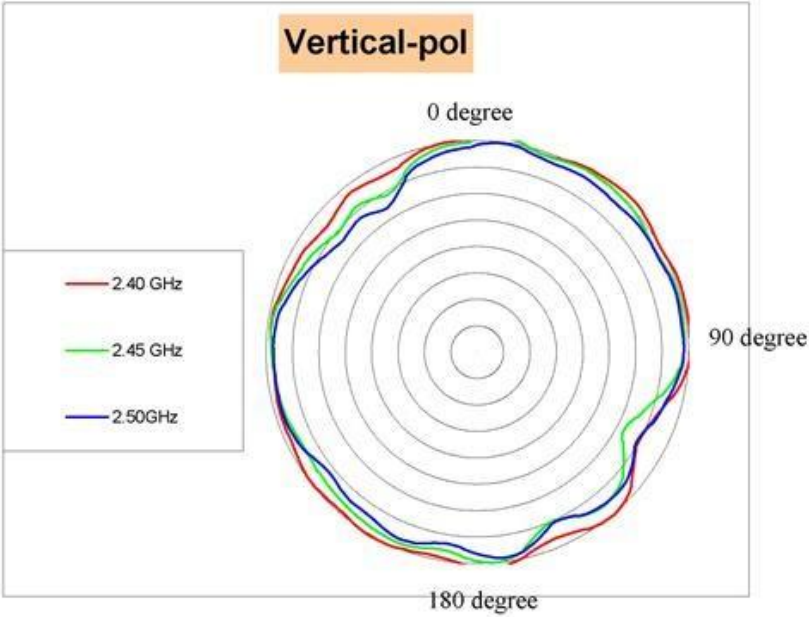


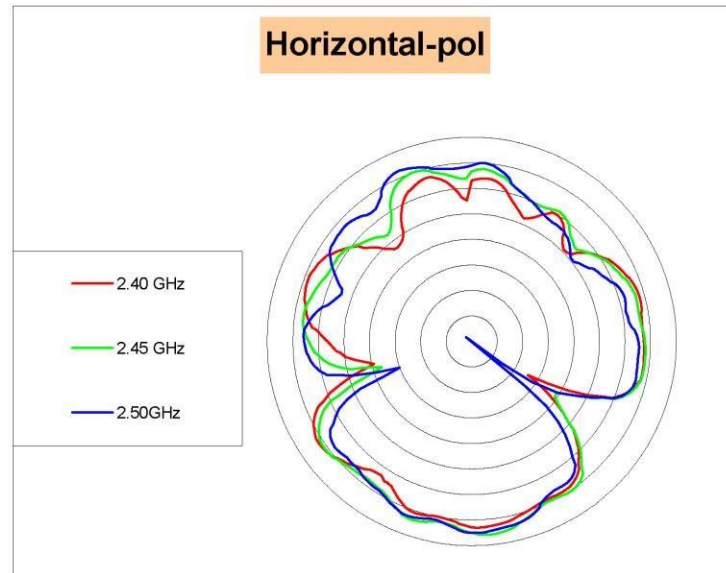
Test setup: Antenna on elevation angle  $\theta = 0^\circ$  azimuth plane

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

Pattern

I

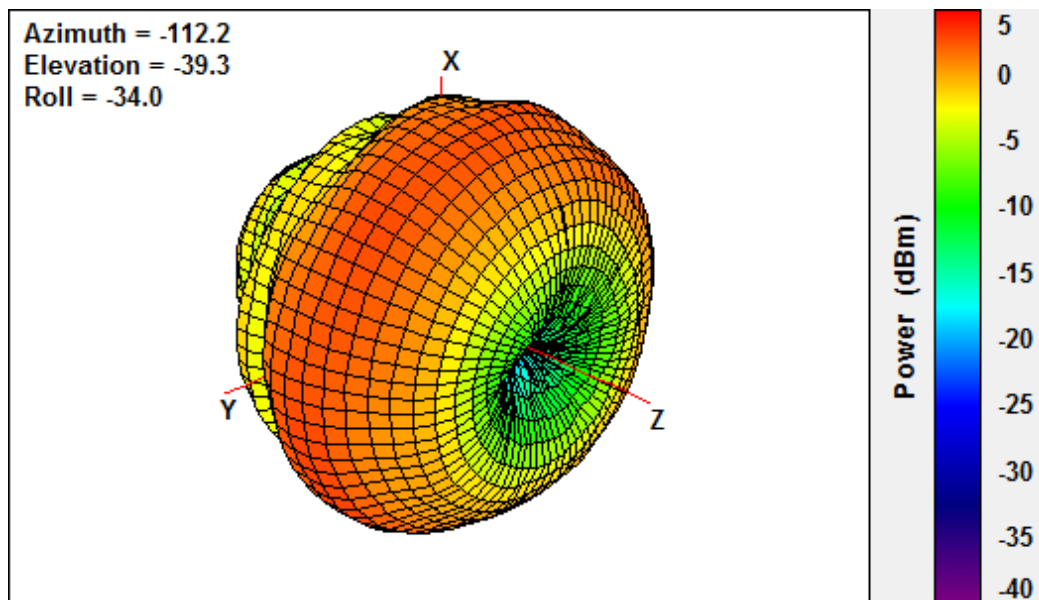
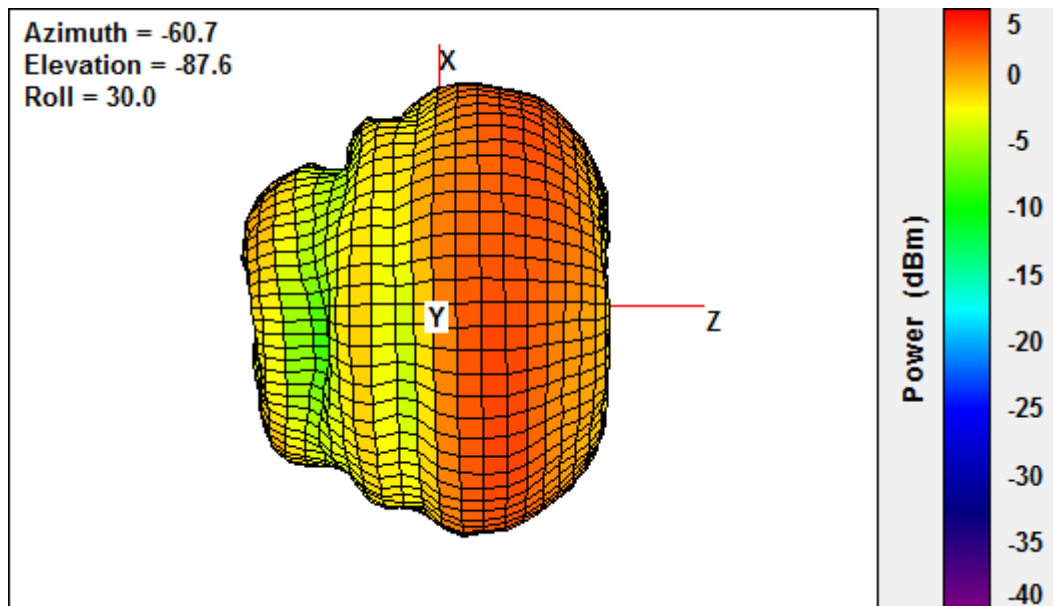




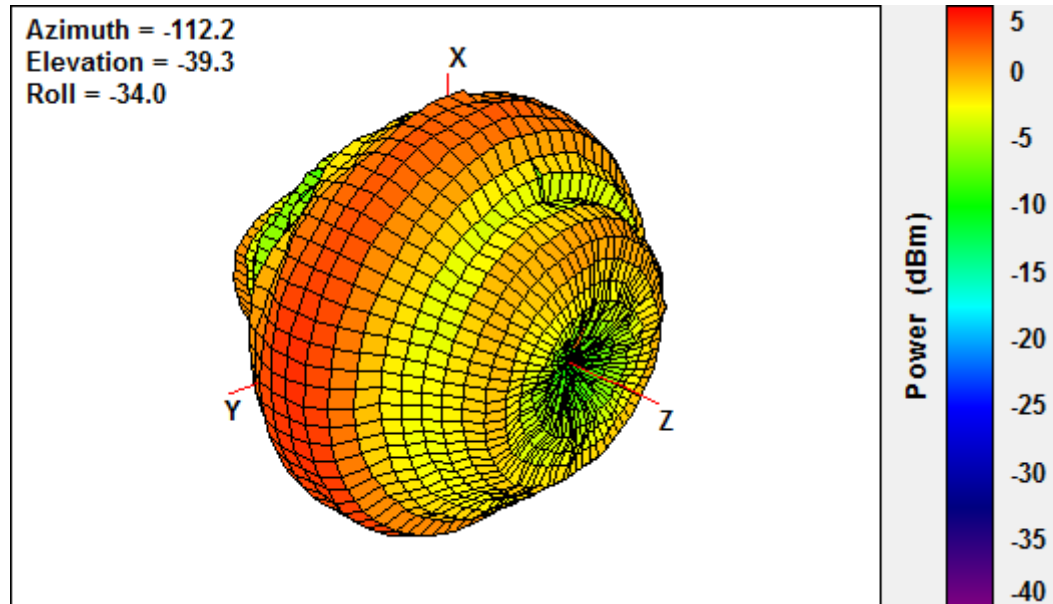
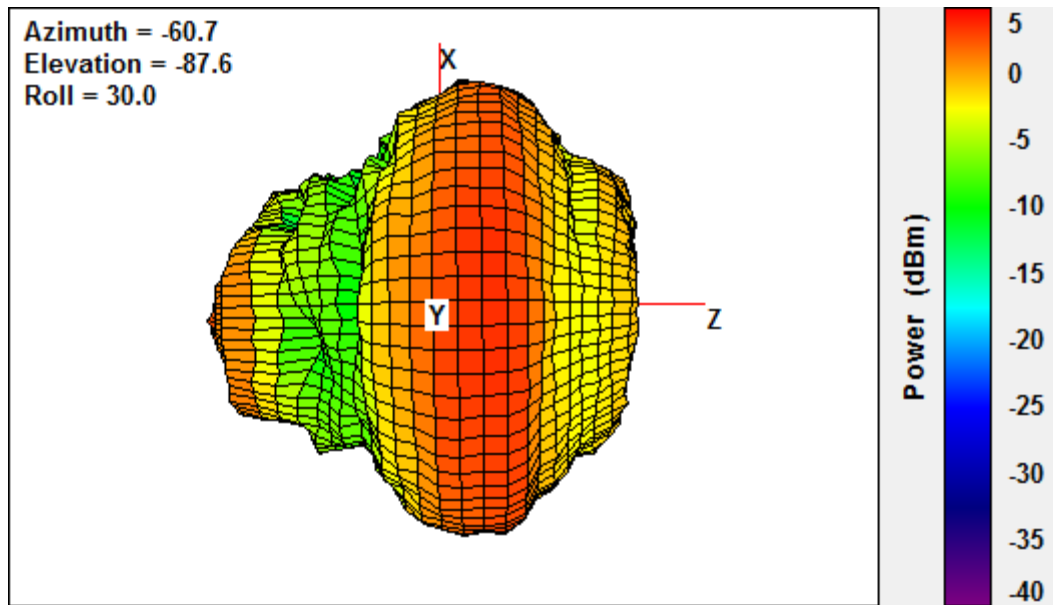
**Conclusion:**

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

2.4GHz



2.45GHz



2.5GHz

