

I. Antenna Spec.

I.1 Spec

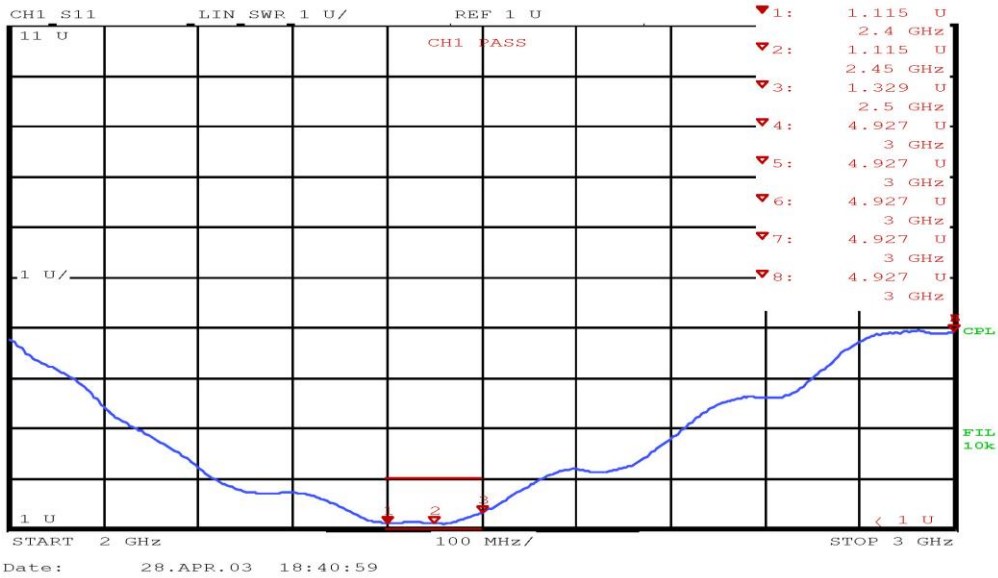
Item	Spec
Frequency range	2.4 ~ 2.5GHz
VSWR	≤ 2
Null point check	Any 30° angle range can't have null depth

Average Gain (dBi)			Peak Gain (dBi)		
2.4GHz	2.45GHz	2.5GHz	2.4GHz	2.45GHz	2.5GHz
≥ -4	≥ -4	≥ -4	≤ 3	≤ 3	≤ 3

III. Antenna test report

III.1 VSWR

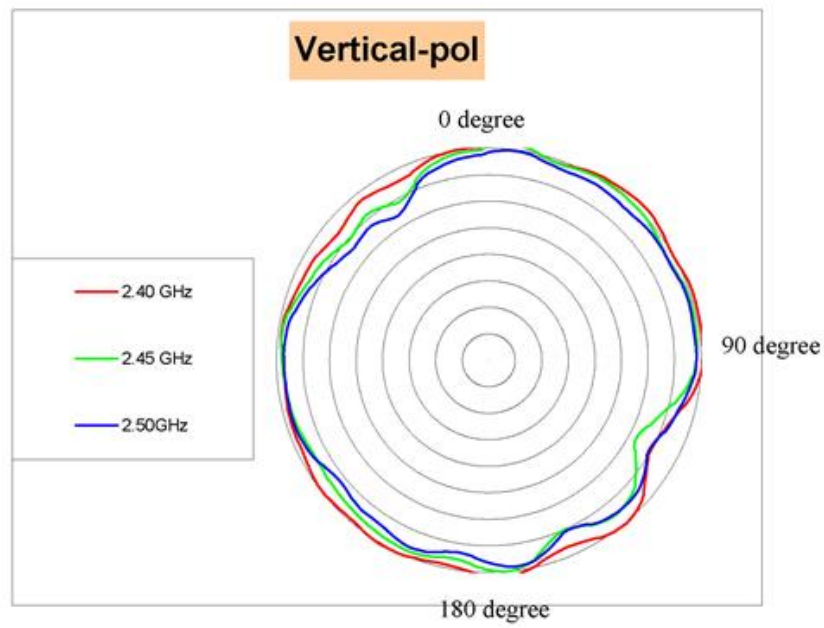
VSWR			Pass/NG
2.4GHz	2.45GHz	2.5GHz	
1.12	1.12	1.33	Pass

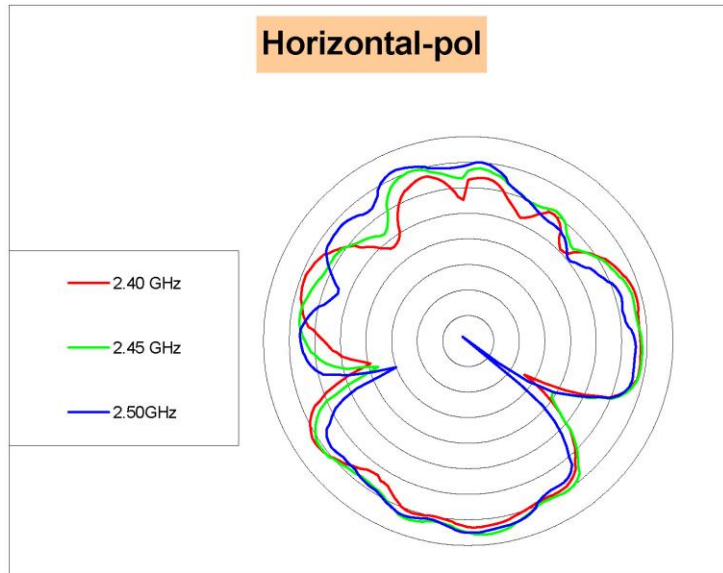


Test setup: Antenna on elevation angle $\theta = 0^\circ$ azimuth plane

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





Conclusion:

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