

1.1 Spec

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.1 VSWR

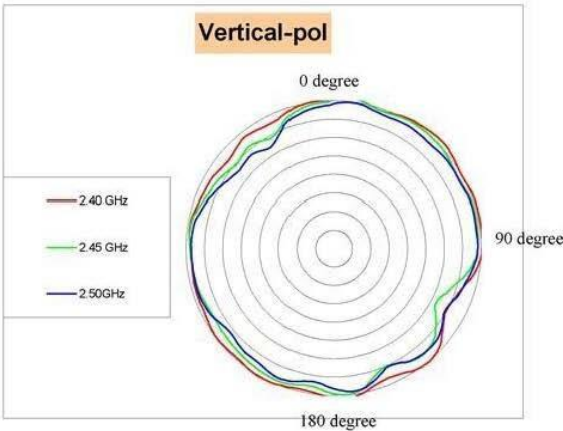
The screenshot displays a spectrum analyzer interface. The main plot area shows a signal trace (blue line) on a grid. The horizontal axis represents frequency, with labels '1 U', '2 GHz', '100 MHz', and '3 GHz'. The vertical axis represents signal level, with labels '1 U', '1.115 U', '2.4 GHz', '1.115 U', '2.45 GHz', '1.329 U', '2.5 GHz', '4.927 U', '3 GHz', '4.927 U', '3 GHz', '4.927 U', '3 GHz', and '4.927 U'. A red horizontal scale bar is positioned above the signal trace, indicating a frequency range of 100 MHz. The signal trace shows a complex waveform with multiple peaks and valleys. The top of the screen displays various parameters and settings, including 'CH1 S11', 'LIN DWR 1 U', 'REF 1 U', 'CH1 PASS', and 'STOP 3 GHz'. The bottom of the screen shows the date and time: 'Date: 28.APR.03 18:40:59'.

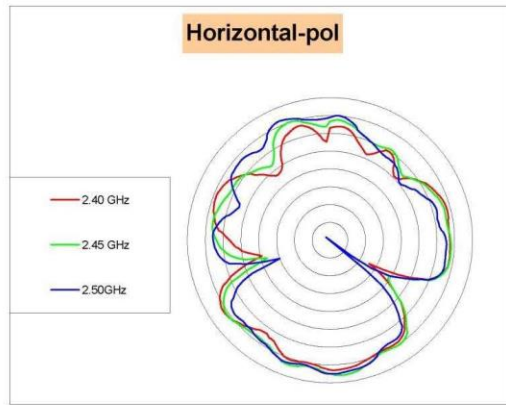
Test setup: Antenna on elevation angle $\theta = 0^\circ$ azimuth plane

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

Pattern

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Conclusion:

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