COMPARING DUTY CYCLES WITH NORMAL MODE

My frequency of operation is = 2,50,000/256 = 976.5625 Hz

Voltage	Duty Cycle (%) (voltage/12)*100	Digital Value (256/100)*(Duty)	Describe motor operation
0.5	4.16	~11	0--> no motion
1	8.33	~21	0---> clock_wise , ~10 rpm , slow 1---> anti_clock , ~15 rpm , slow
1.5	12.5	32	0---> clock_wise ,~50 rpm 1---> anti_clock , ~43 rpm
2	16.67	~43	0---> clock_wise , high speed 1--> anti_clock , high speed
4	33.33	~85	0---> clock_wise , high speed 1--> anti_clock , high speed
6	50	128	0---> clock_wise , high speed 1--> anti_clock , high speed
8	66.67	~170	0---> clock_wise , high speed 1--> anti_clock , high speed

For 1 volt my motor is getting on in either direction, maybe because of high frequency used .