

IRD Testing V1 PCB with V2 mods

TC #	Test Cases	Dry Run Test Results		Test Video Results	
	<u>3.3V @ Center Freq 38 KHz</u>	Min	Max	Min	Max
1	Current Draw	4 mA	21 mA	4 mA	22 mA
2	Distance NO LED Sleeve	4"	18 in	3"	22"
3	Distance WITH LED Sleeve	4"	25 in	2"	25"
4	Distance behind IR Window	4 in	20 in	3"	26"
5	Frequency Range	38.6 KHz	60.2 KHz	38.3 KHz	59.8 KHz
	<u>3.3V @ Off Center 40-42 KHz</u>	Min	Max	Min	Max
6	Distance NO LED Sleeve	0.5"	13"	0.5"	13"
7	Distance WITH LED Sleeve	0.25"	14"	0.5"	24"
8	Distance behind IR Window	0.25"	12"	0.5"	11"
	<u>5.0V @ Center Freq 38 KHz</u>	Min	Max	Min	Max
9	Current Draw	6 mA	39 mA	6 mA	39 mA
10	Distance NO LED Sleeve	5"	19"	5"	23"
11	Distance WITH LED Sleeve	5"	25"	4"	36"
12	Distance behind IR Window	19"	22"	8"	30"
13	Frequency Range	38.5 KHz	60.6 KHz	38.3 KHz	60.2 KHz
	<u>5.0V @ Off Center 46.5 KHz</u>	Min	Max	Min	Max
14	Distance NO LED Sleeve	0.5"	14"	0.5"	13"
15	Distance WITH LED Sleeve	0.25"	14"	0.5"	13"
16	Distance behind IR Window	0.25"	20"	0.5"	15"
17	Performance Testing	12 RPM	500 RPM	12 RPM	500 RPM