

Figure 1 is the real time circuit board

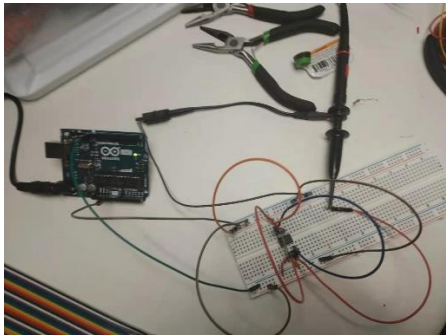


Figure 1

Figure2 is the output of NE555 timer, it has a duty cycle of 65.54%

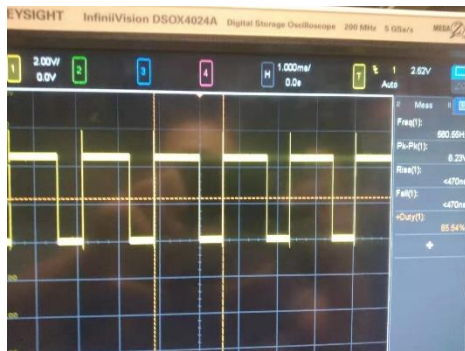


Figure2

Figure 3 is the rise time of NE555 timer:51.8ns



Figure3

Figure 4 is the fall time of NE555: 51.8ns



Figure 4

Figure 5 is the output of 7555 timer it has clearer output



Figure5

Figure6 is the rise time of 7555 timer 41.6ns



Figure 6

Figure 7 is the fall time of 7555 timer  
12.04ns



Conclusion: This lab tells that 7555 timer has a cleaner output than NE555 timer, also its has much faster rising and falling time than the NE555 timer.