Test Writer: Group 7 - ECE411				
Test Case Name:	**Frequency Counter Test #2**		**Test ID #:**	G7-02
Description:	Performance Test		**Type:**	
Tester Information				
Name of Tester:			**Date:**	
Hardware Ver:	1.0		**Time:**	
Setup:	All components are carefully soldered all components to the PCB, and the device passed the test #1			
Step	**Action**	**Expected Result**	**Pass/Fail**	**Comments**
1	Connect the function generator to the input signal connector at f = 100 Hz, 1 kHz, and 1 MHz, with Vp-p = 1V sine wave.	At TP2, the ouput is a square wave at the same input frequency		
2	Connect ICSP programmer to the circuit, and do some basic program, such as turn on the OLED display	Communicate between ICSP programmer and circuit board		
3	After implementing the code, start putting a random sine wave signal from function generator at input connector	OLED displays a frequency output with 1% error		