

Test Writer: Group 7 - ECE411				
Test Case Name:		Frequency Counter Test #1		Test ID #: G7-01
Description:		A test plan for the initial power up of our frequency counter design		Type:
Tester Information				
Name of Tester:				Date:
Hardware Ver:		1.0		Time:
Setup:		All components of the power supply part are carefully soldered to the PCB including the battery holder.		
Step	Action	Expected Result	Pass/Fail	Comments
1	Continuity Check	No short circuit No unexpected connection		
2	Connect the power connection with the current limiting power supply (4.5V supply and 500 mA current limited	MCP1640 output 5.0V No short or excessive power		
3	Plug in 3 1.5V AA batteries into the circuit board	Measured 4.5 V supply MCP1640 output 5.0V with low distortion		
4	Solder the rest of the circuit and check the continuity of entire board including GND and Vcc and all test points with 4.5 V battery power	Vcc = 5V, GND = 0V All TP indicated the expected voltage		