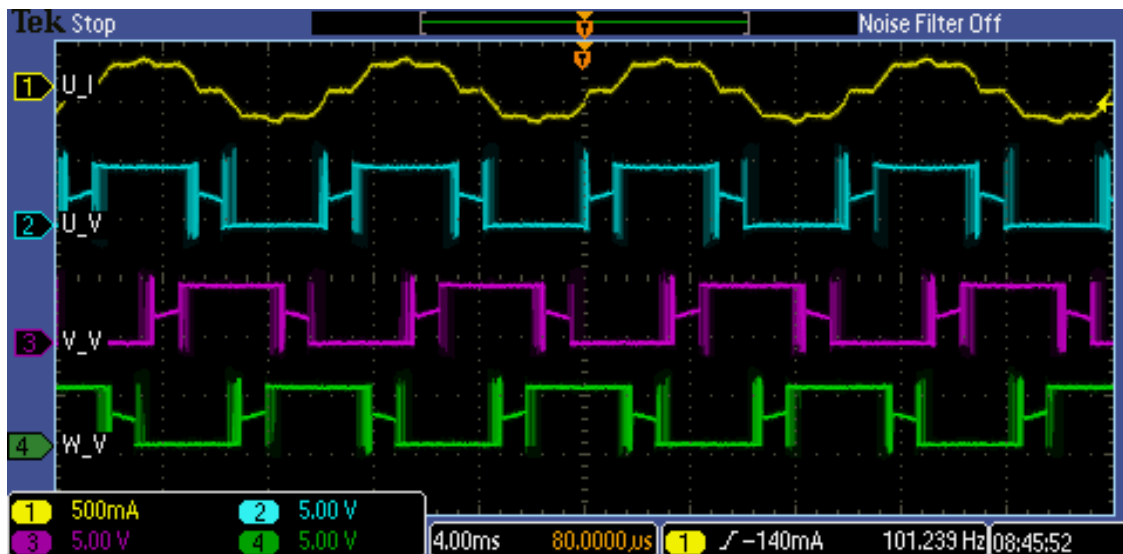


## ***5V, 3-Phase, Sensorless Motor System With Variable Speed Control***

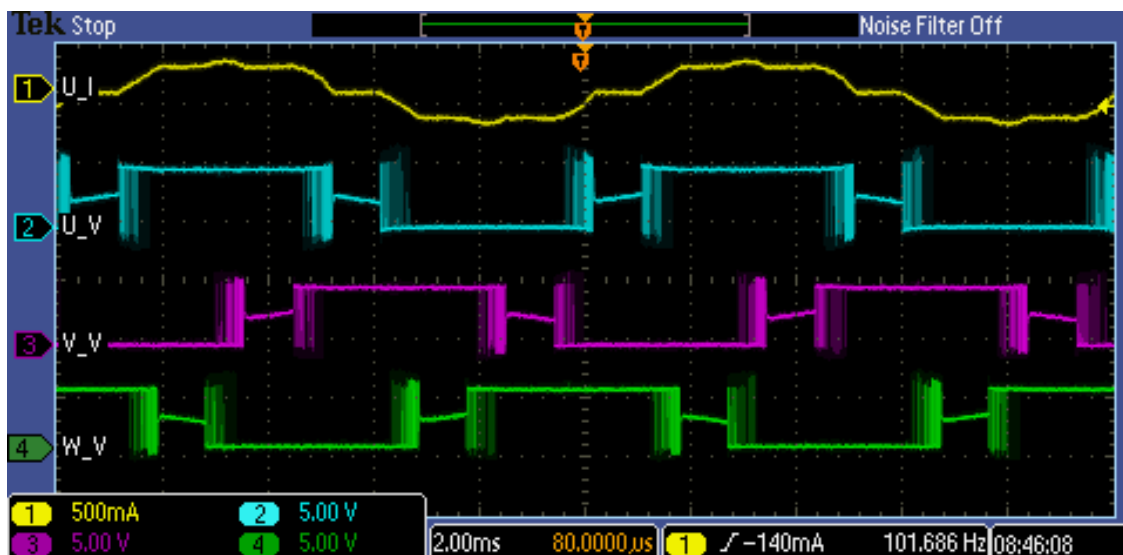
Motor Waveform Data (Tests performed with common 5V PC fan):

1. 3-Phase Sensorless Commutation Scheme\_4ms
2. 3-Phase Sensorless Commutation Scheme\_2ms
3. Phase U Active
4. Phase V Active
5. Phase W Active
6. 3-Phase Sensorless Commutation Scheme at Low Speed

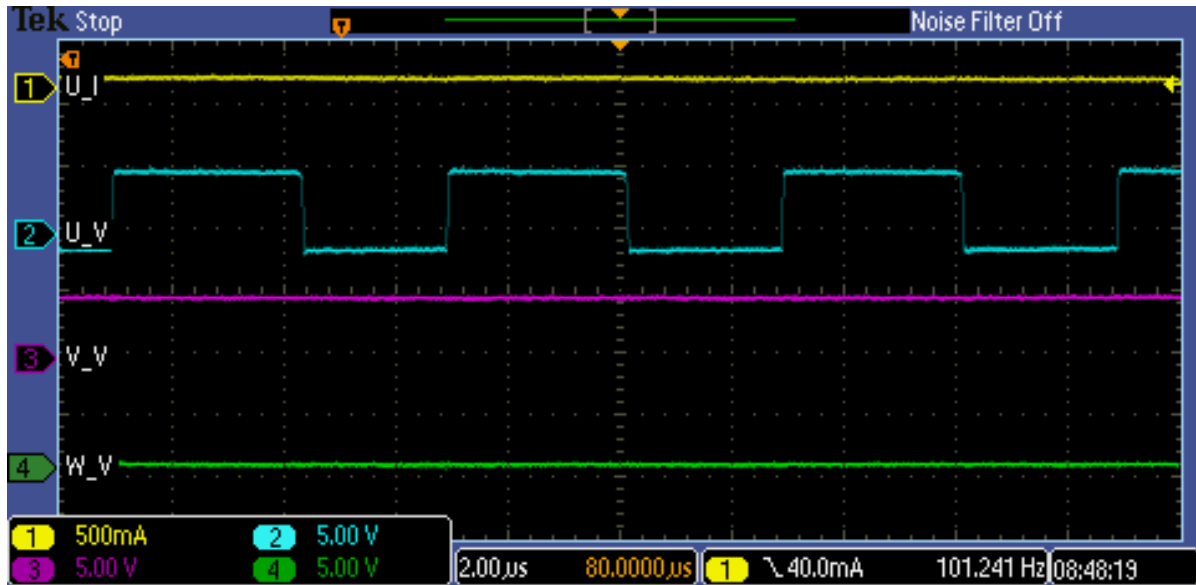
### **Section 1: 3-Phase Sensorless Commutation Scheme\_1**



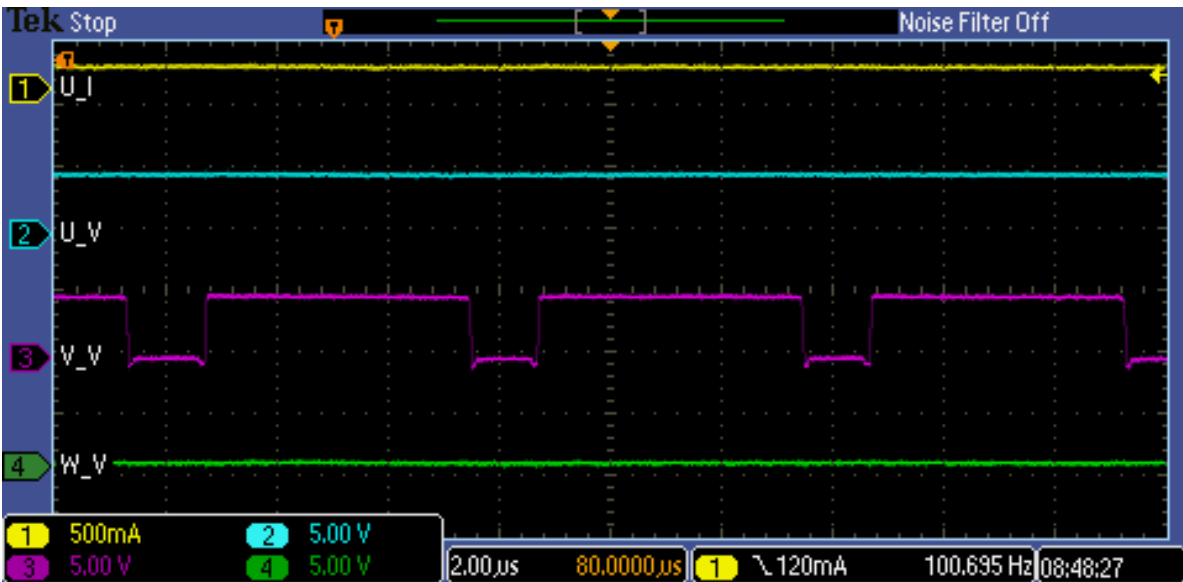
### **Section 2: 3-Phase Sensorless Commutation Scheme\_2**



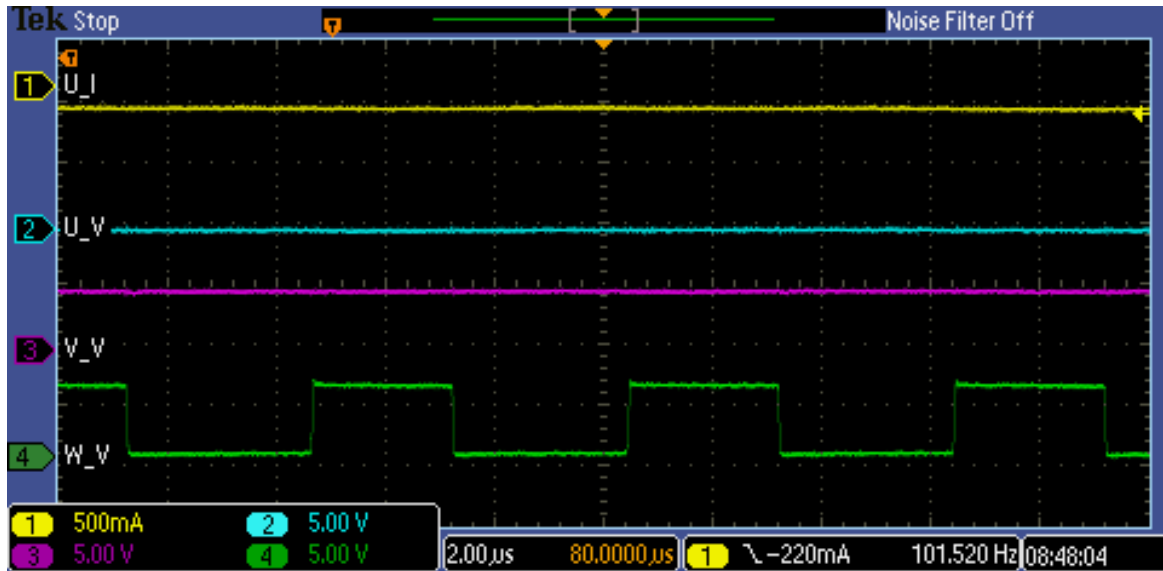
### Section 3: Phase U Active



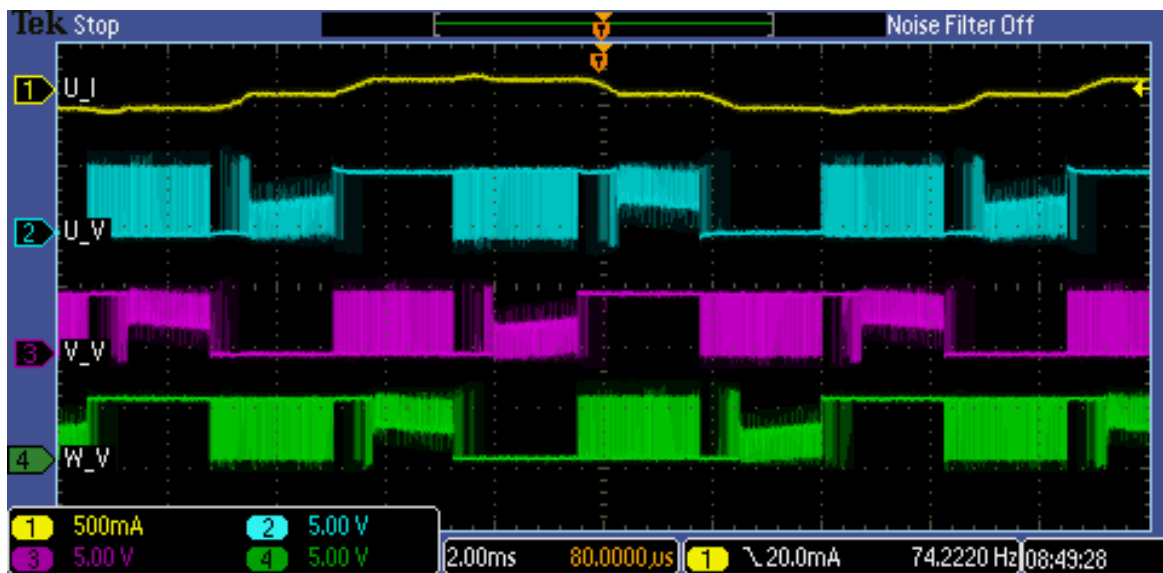
### Section 4: Phase V Active



### Section 5: Phase W Active



### Section 6: 3-Phase Sensorless Commutation Scheme at Low Speed



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