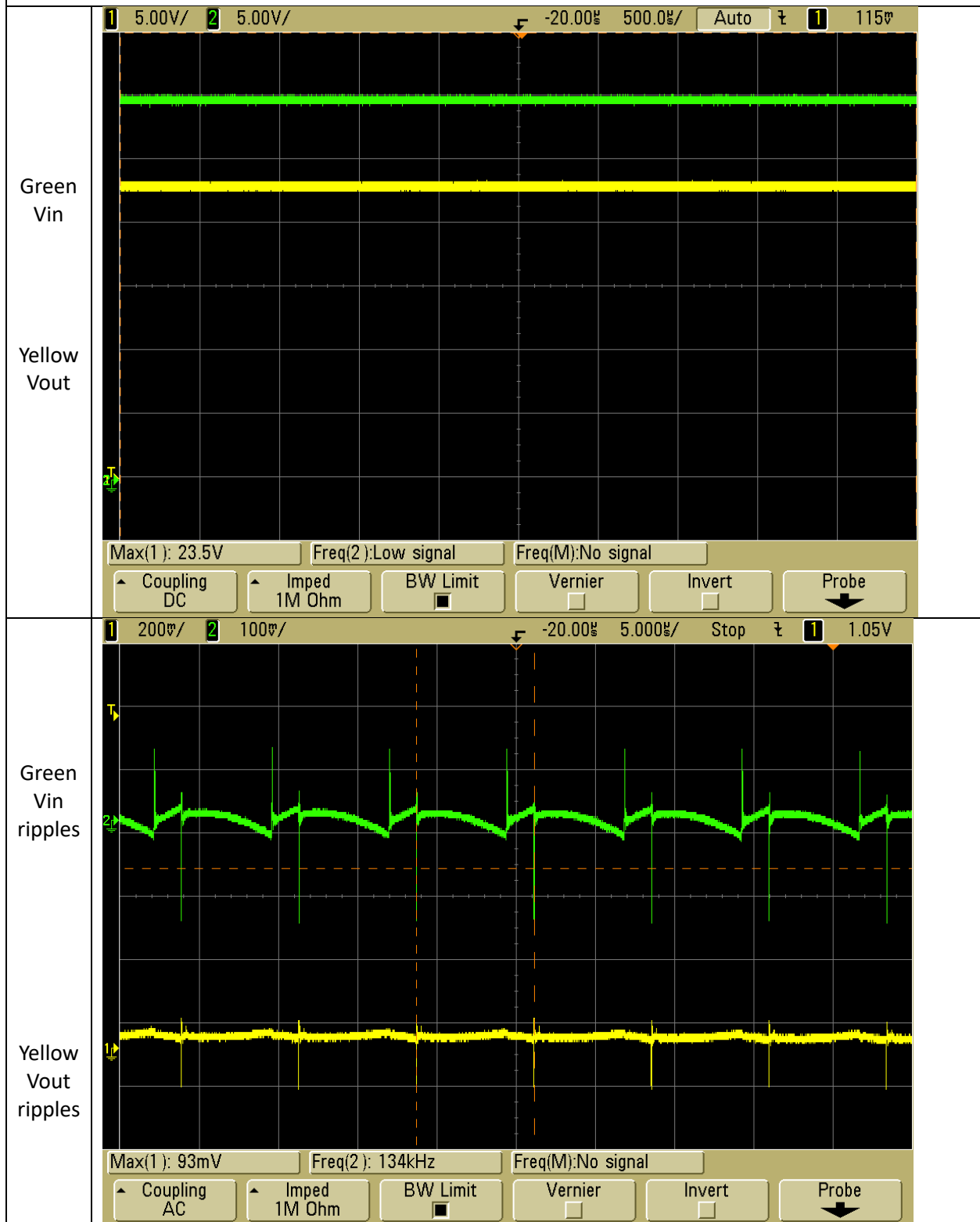
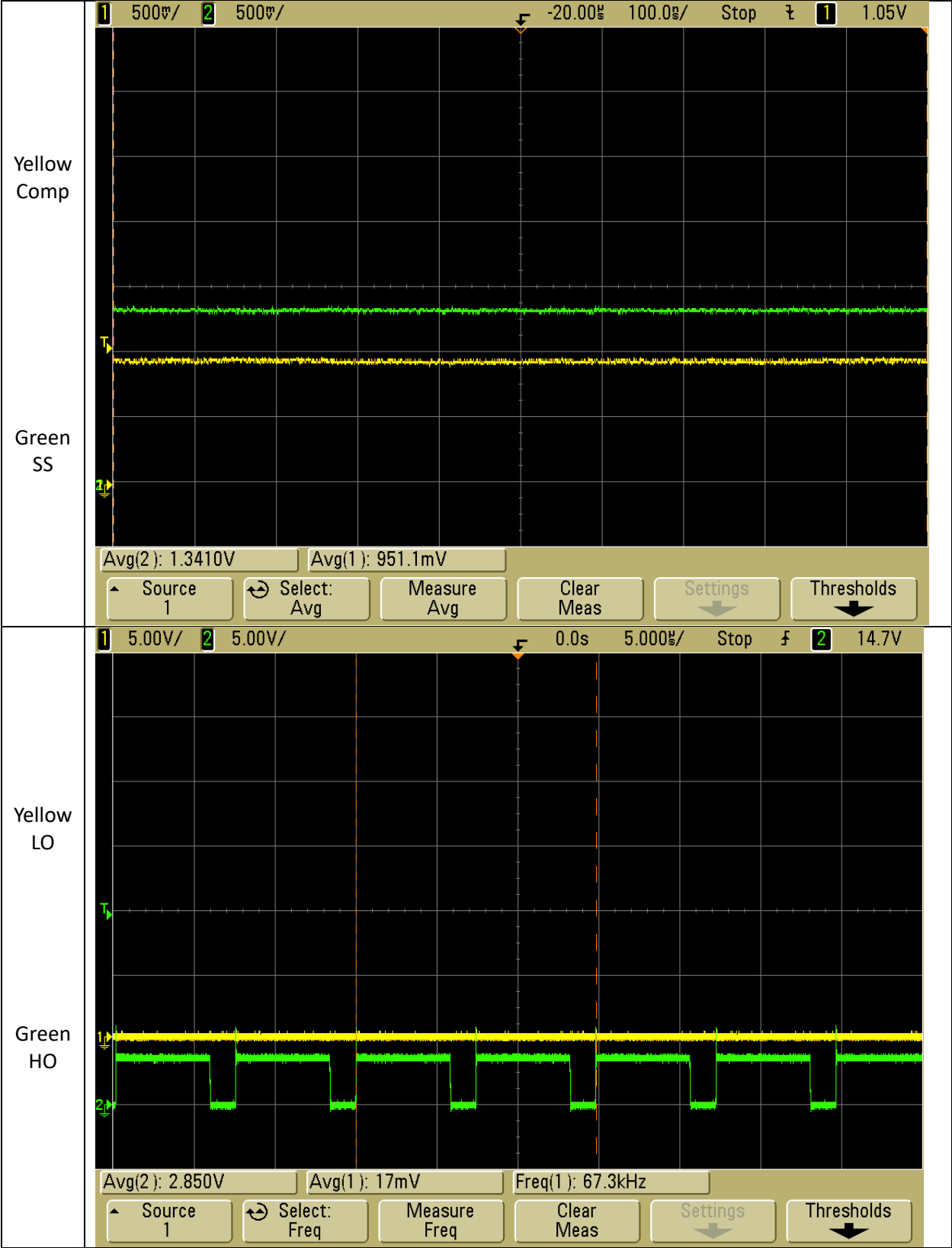
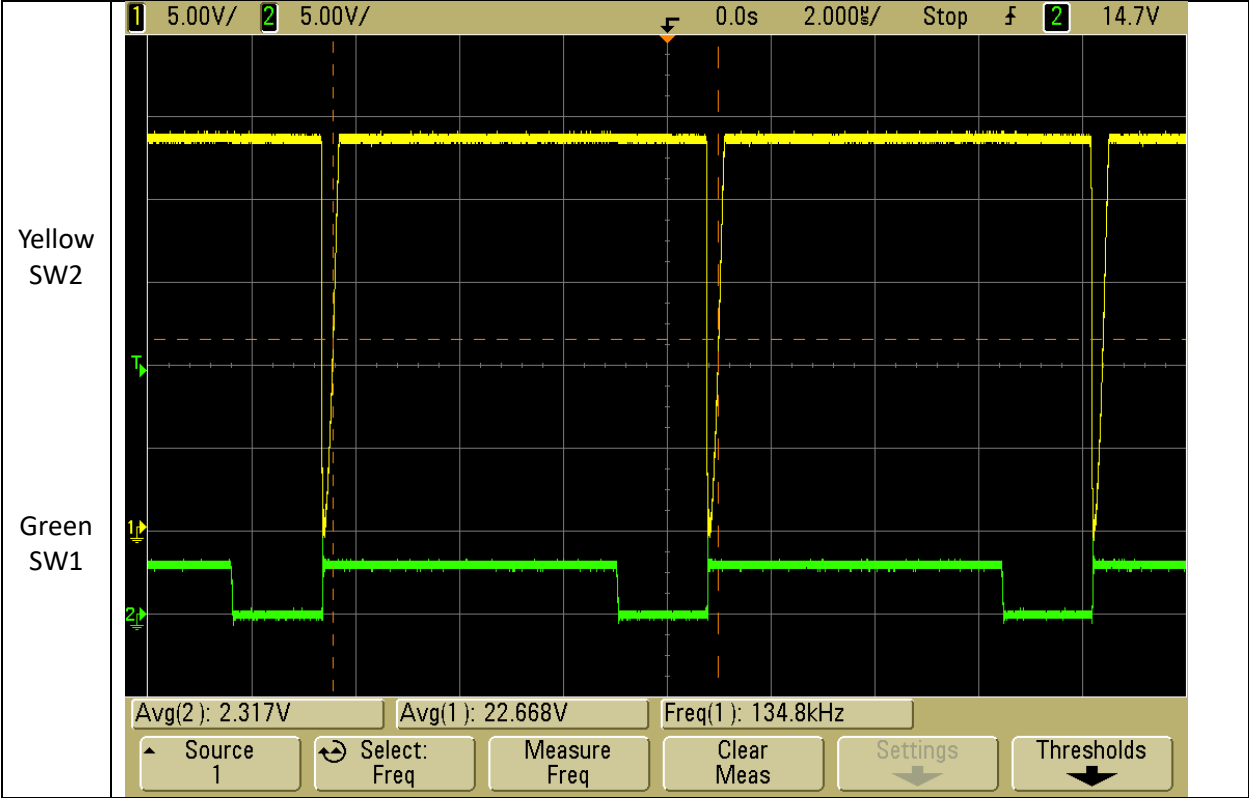


Waveforms Recorded When Vin =30V



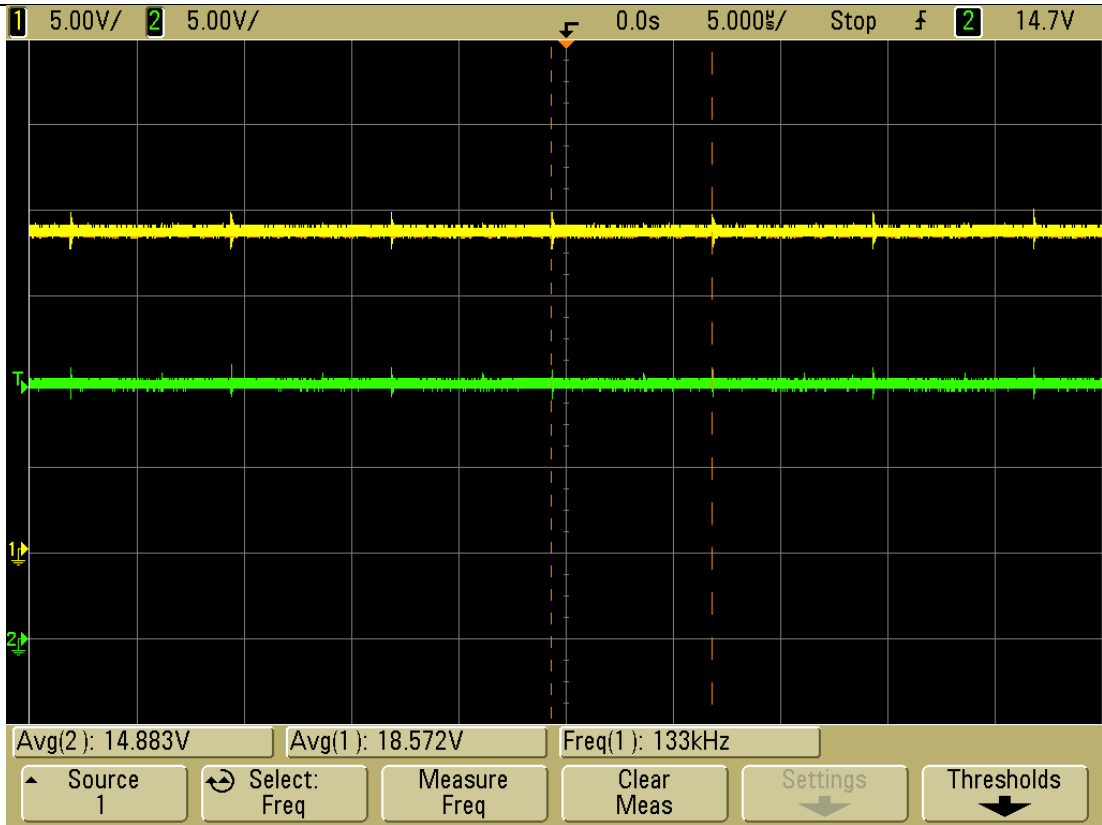




Waveforms Recorded When Vin =15V

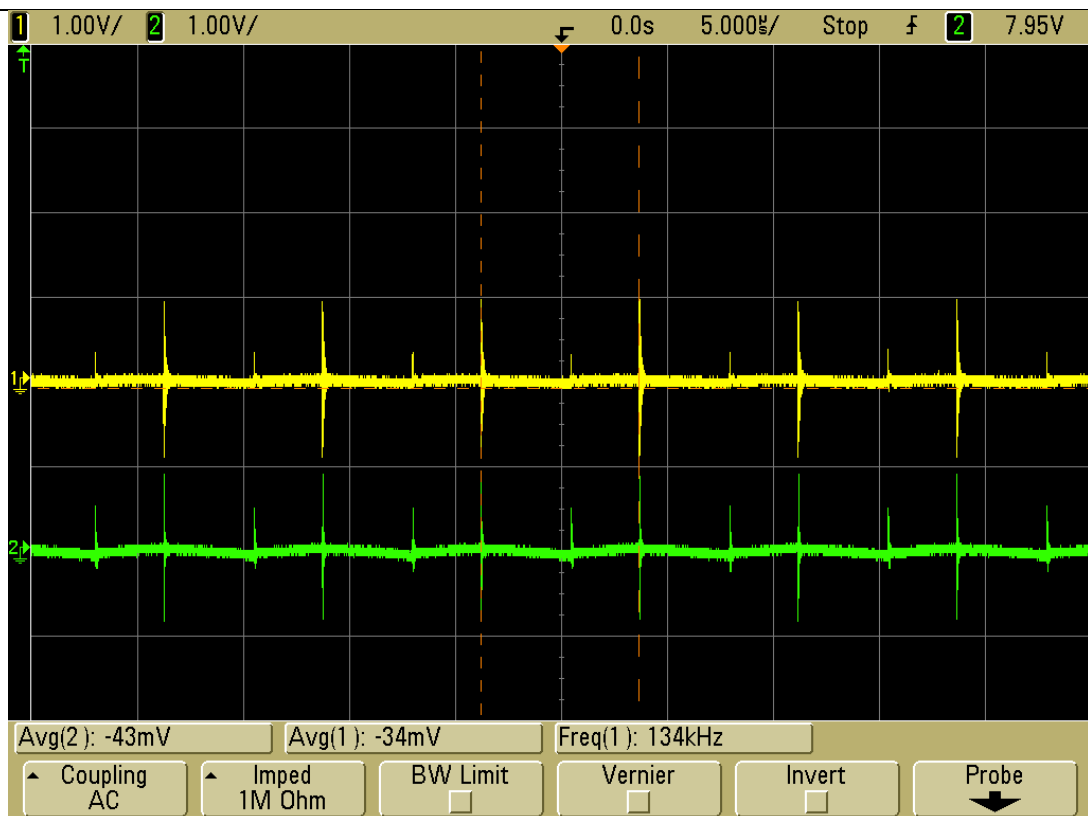
Yellow
Vout

Green
Vin



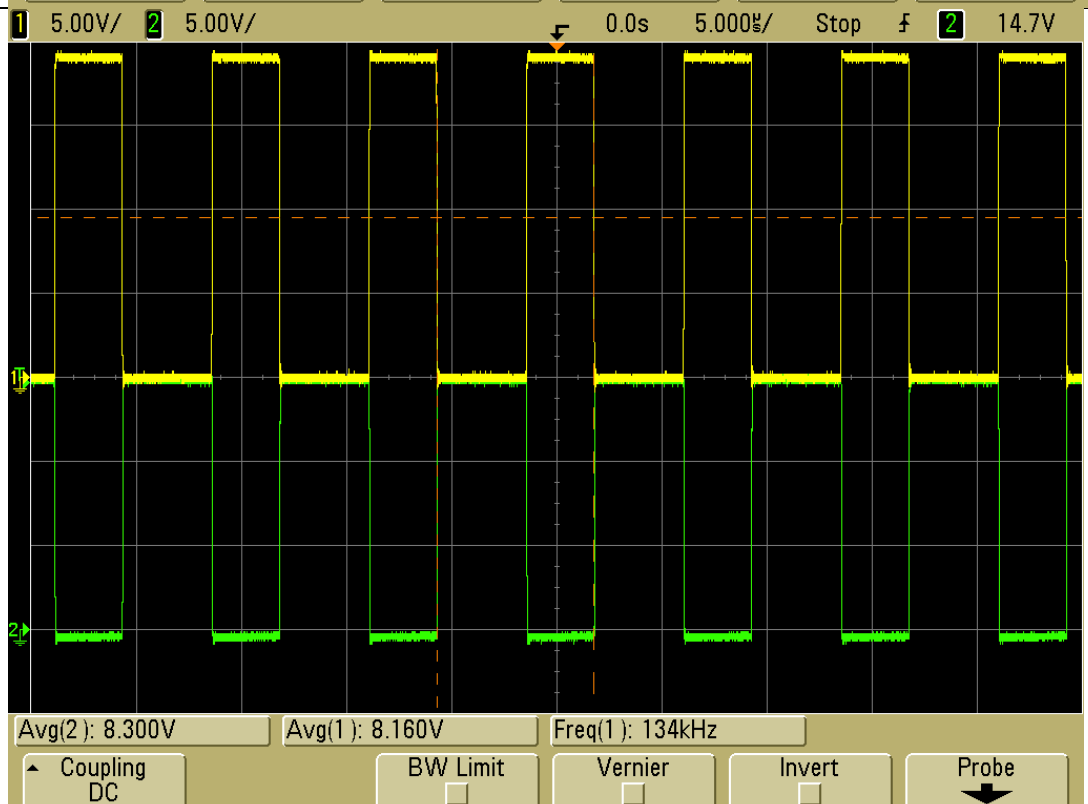
Yellow
Vout
ripples

Green
Vin
ripples



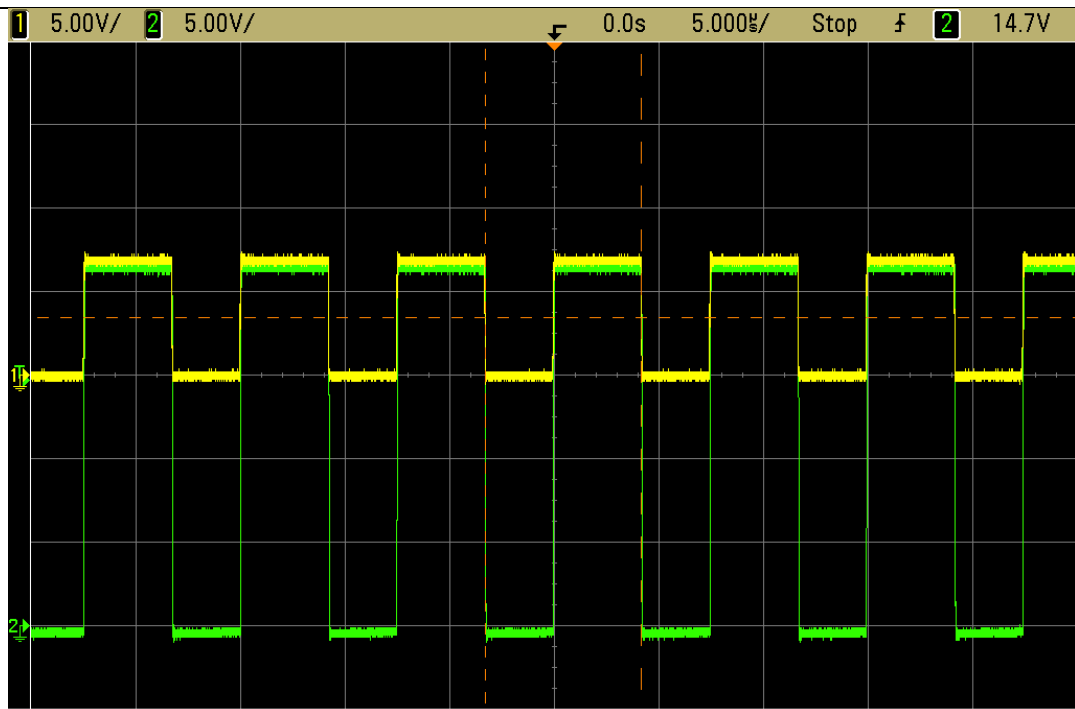
Yellow
SW2

Green
SW1



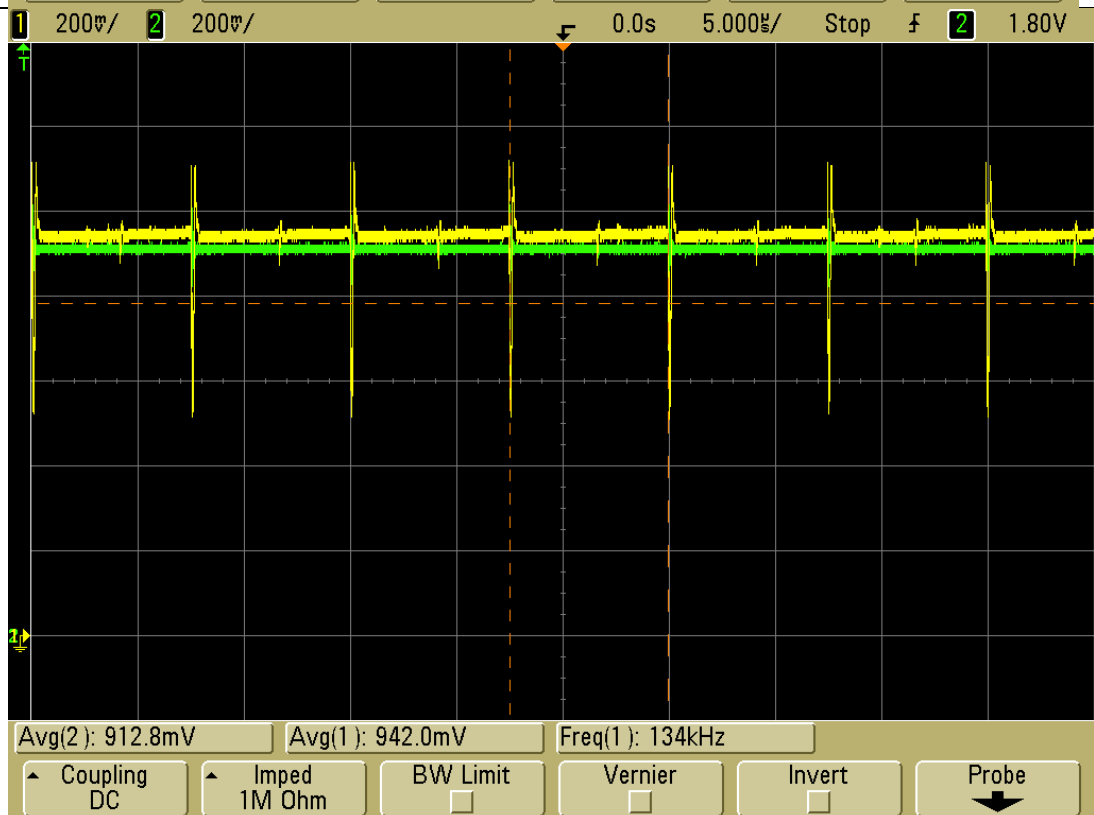
Green
HO

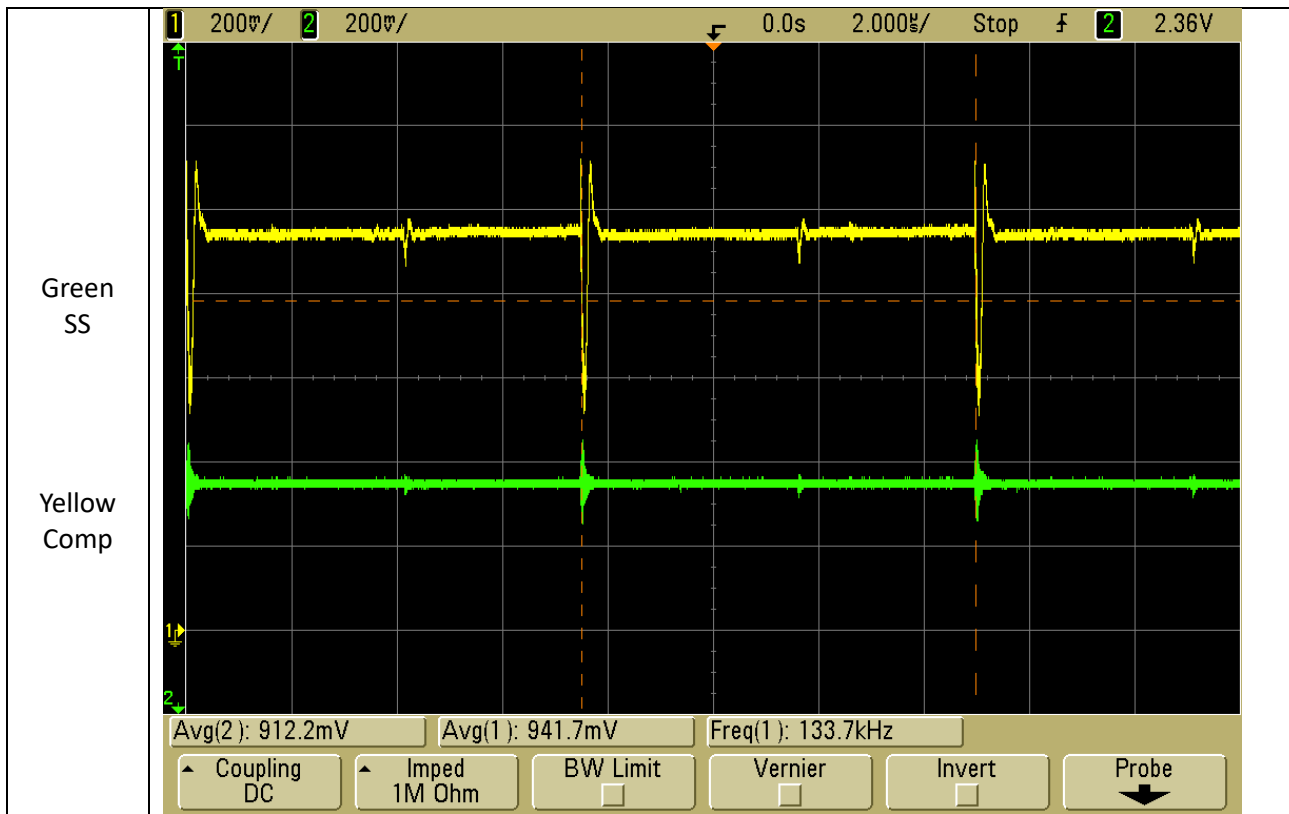
Yellow
LO



Green
SS

Yellow
Comp





Note:

Vin = Input Voltage 15 or 30V

Vout = Output Voltage

SW1 is voltage before inductor

SW2 voltage after inductor

Comp = Voltage on pin 9 of LM5118

SS = Voltage on pin 7 of LM5118

HO = High Side Mosfet Gate

LO = Low Side Mosfet Gate