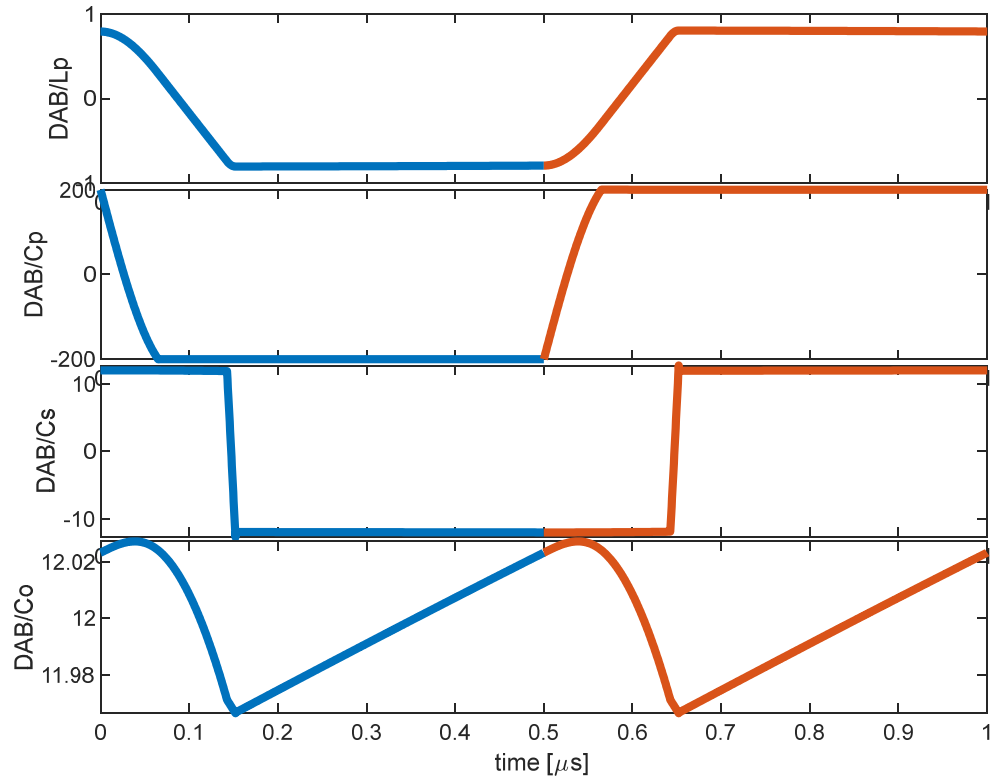
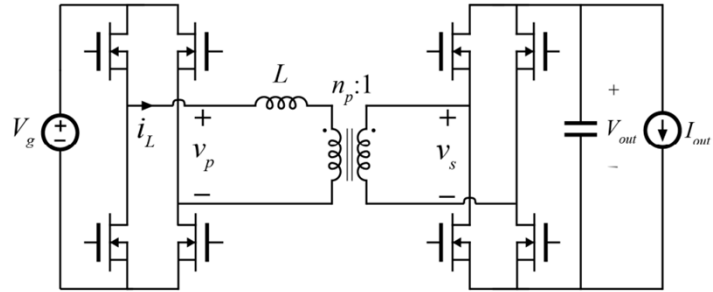


# Example Design

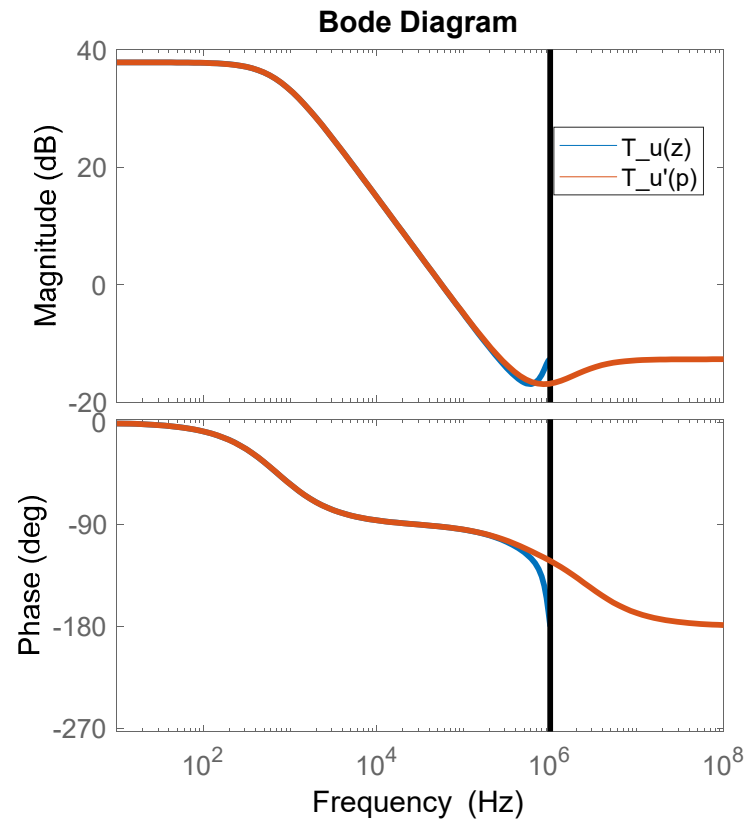


# Plant Model

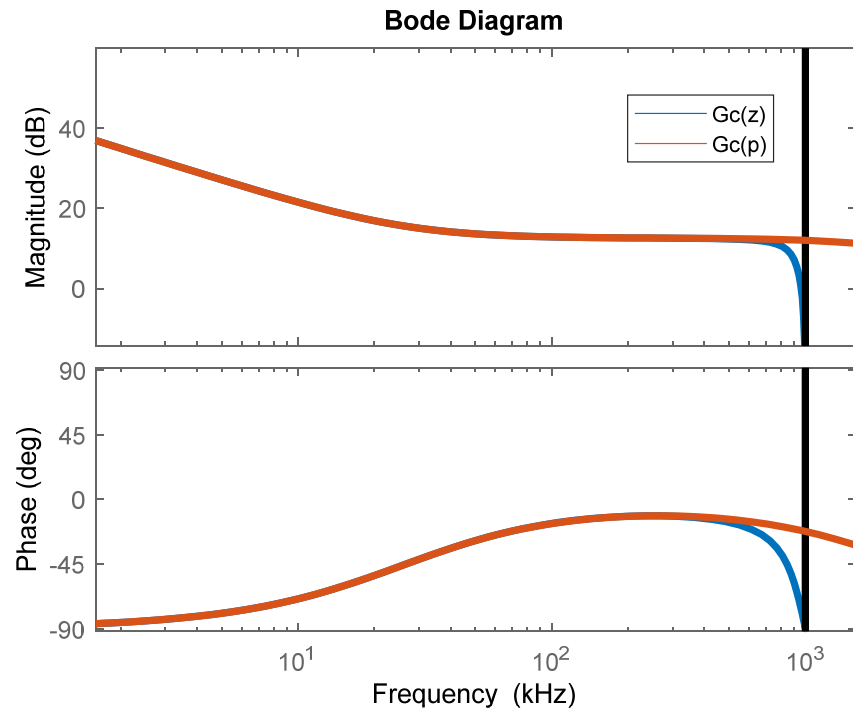
# ADC and PWM Model

# Loop Gain

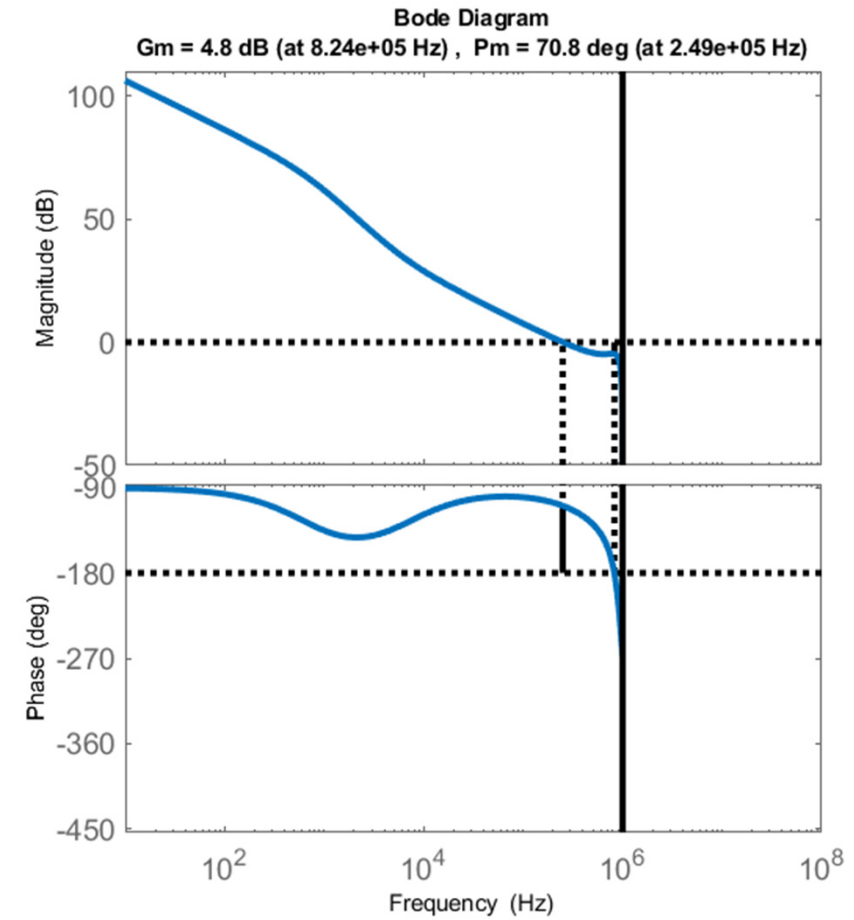
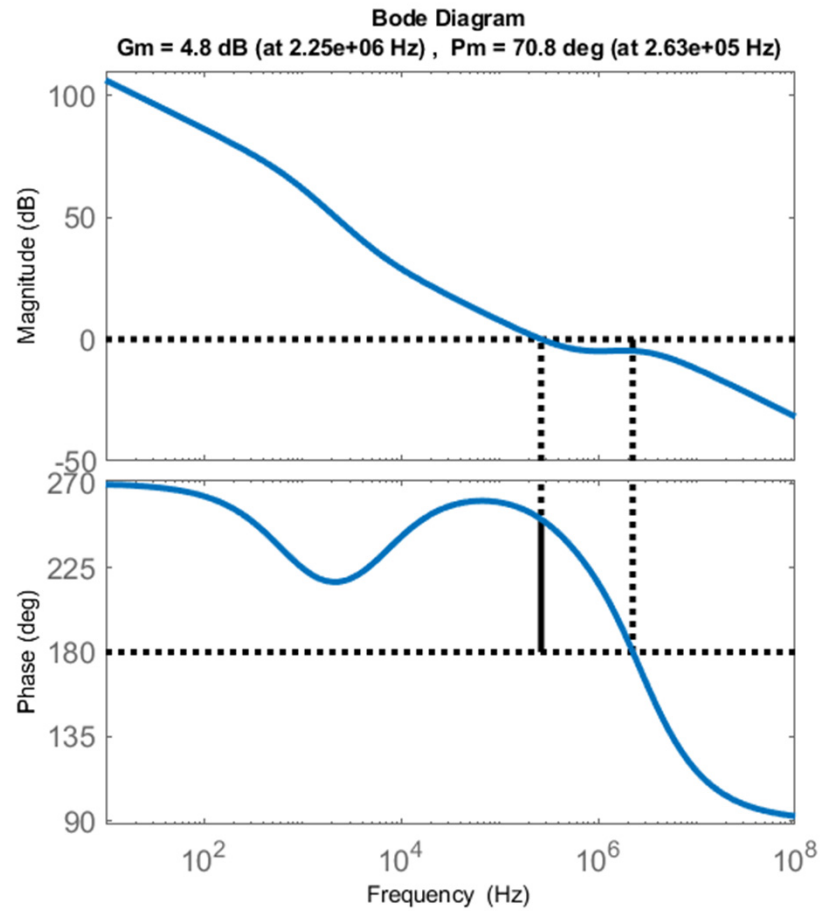
# Compensator Design



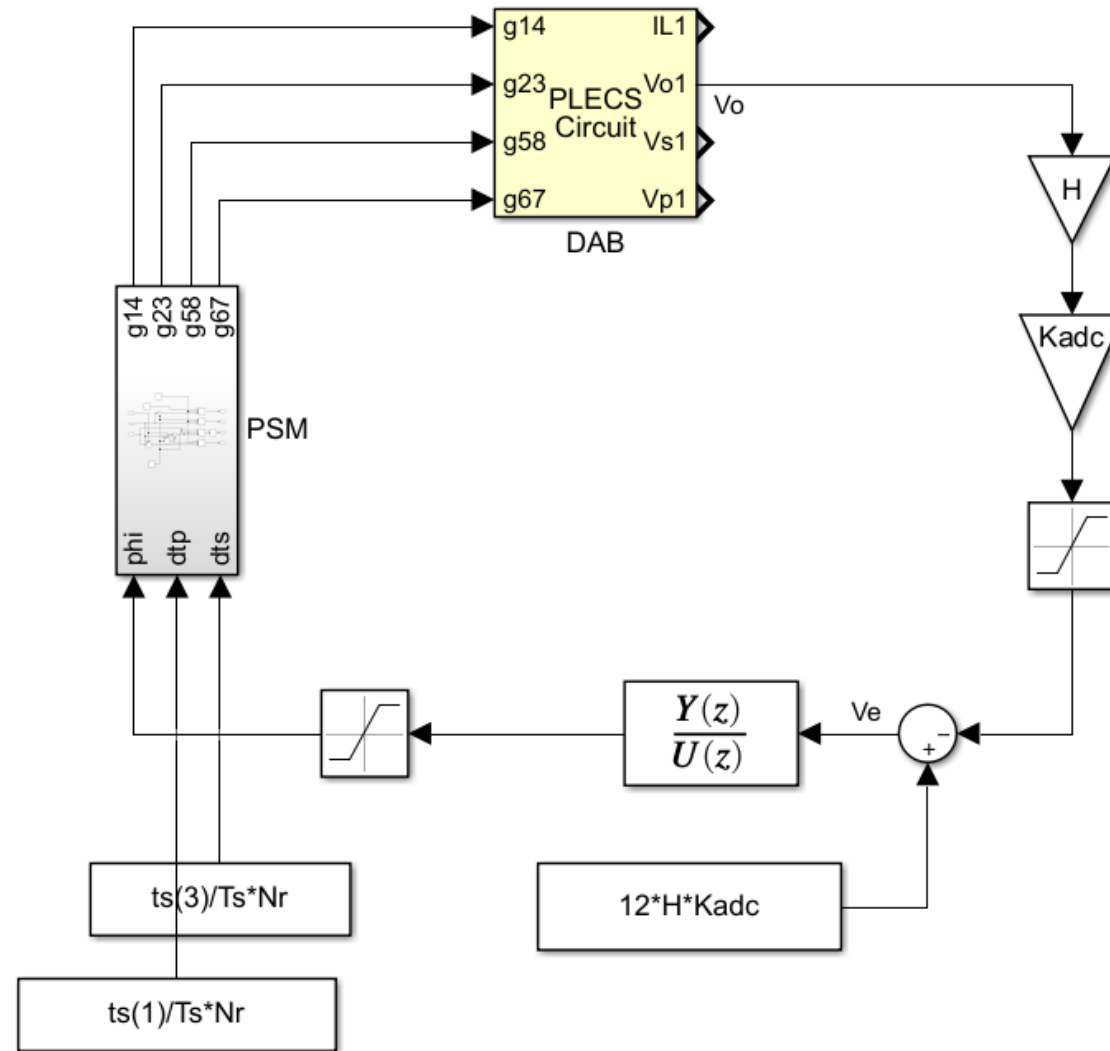
# Compensator Digital Implementation



# Compensated Loop Gain



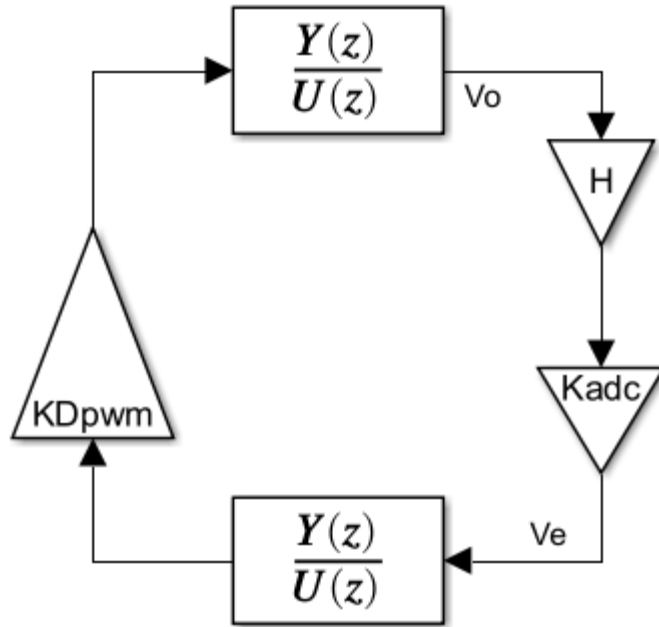
# Simulation (Large Signal)



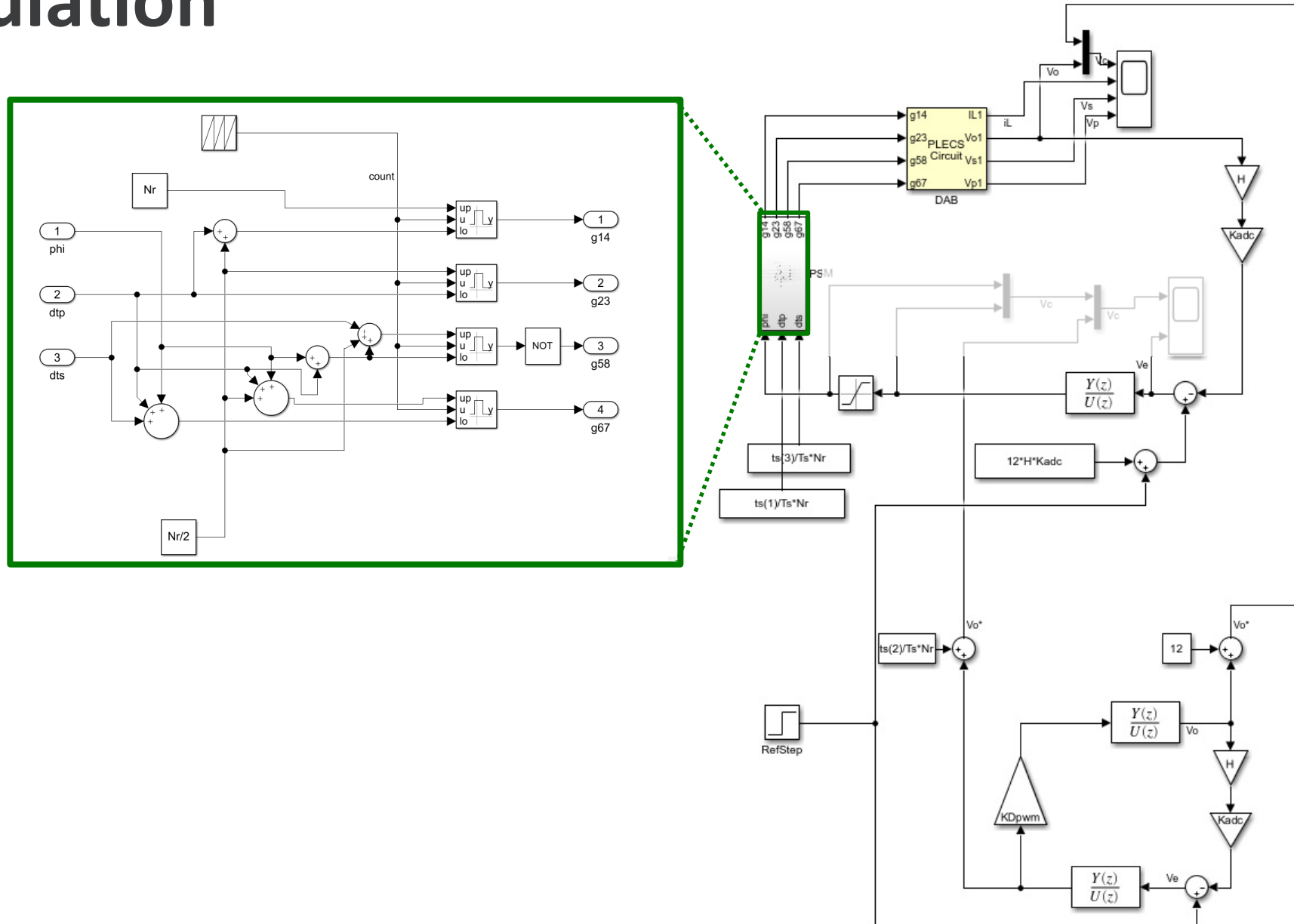




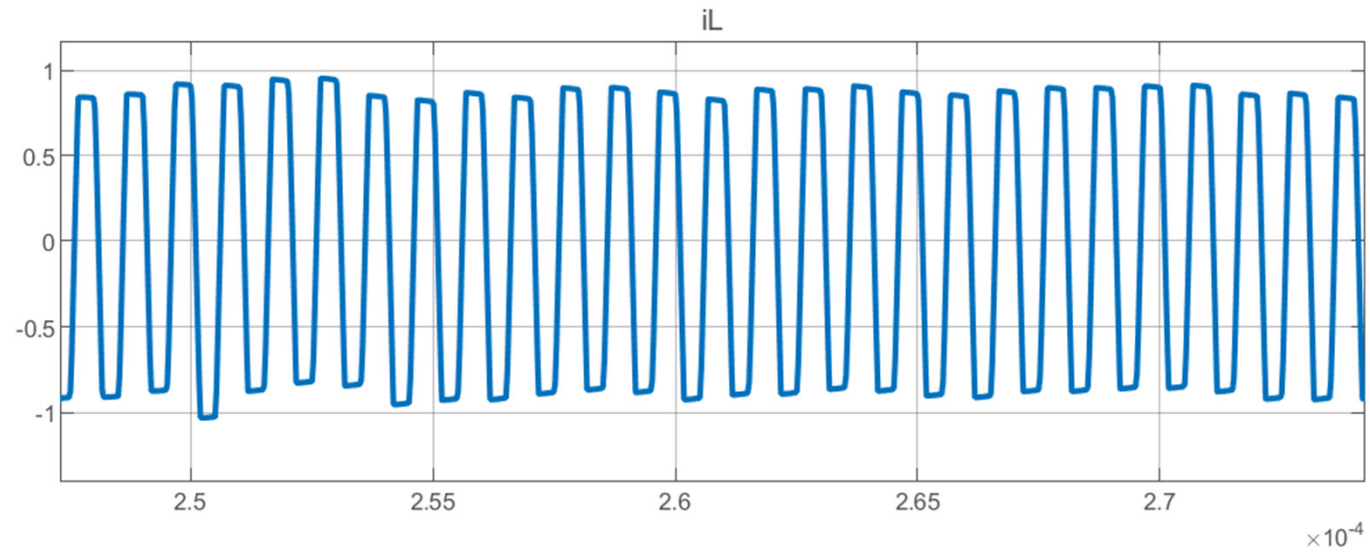
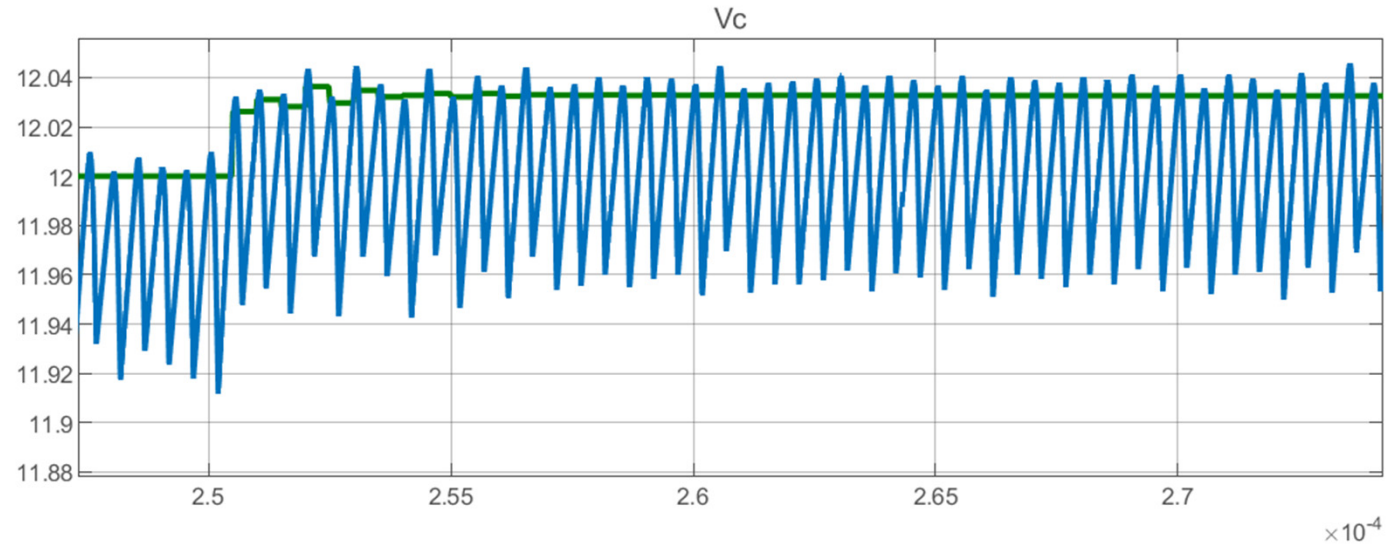
# Simulation (Small Signal)



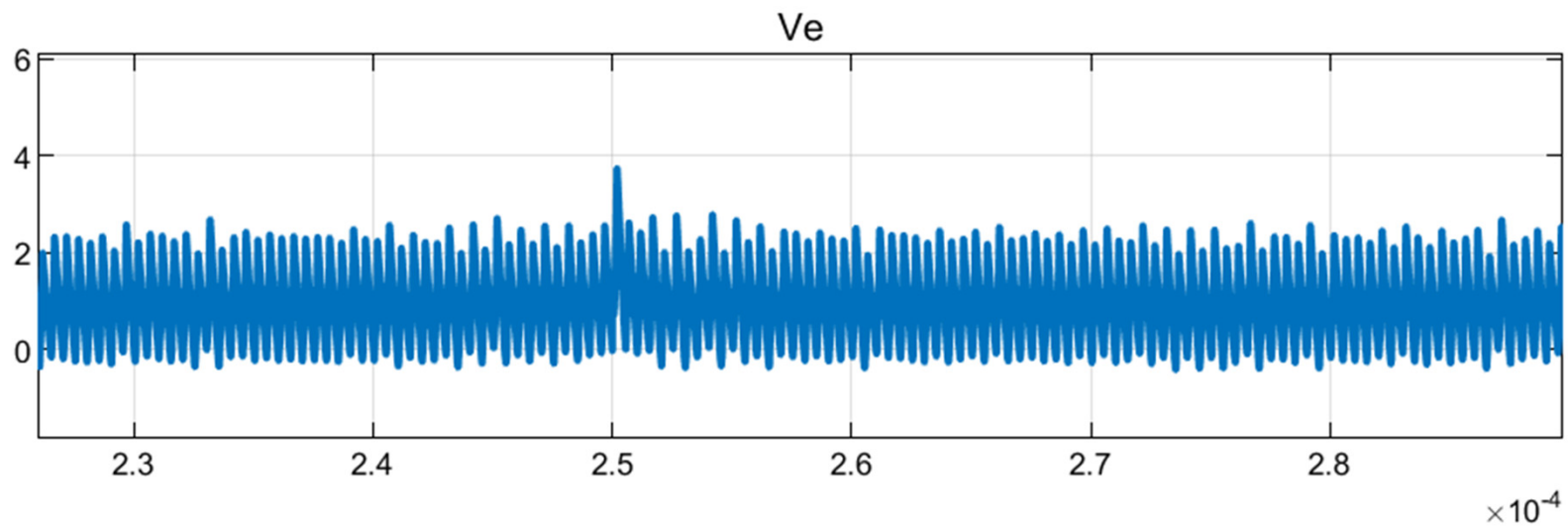
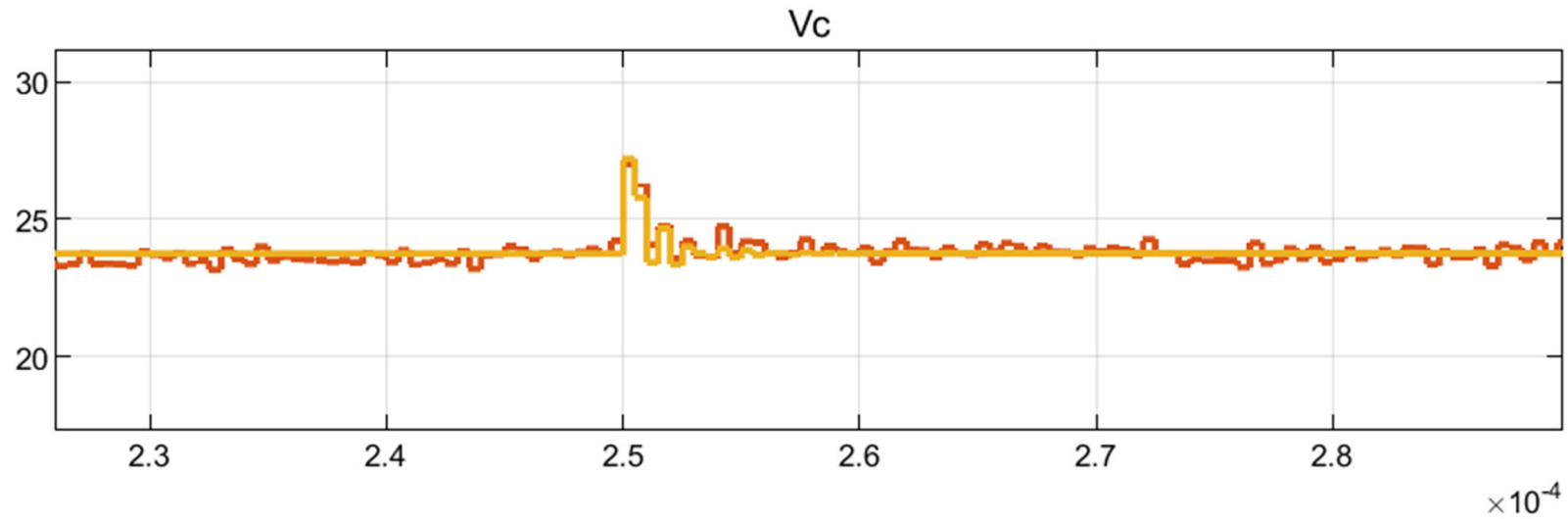
# Simulation



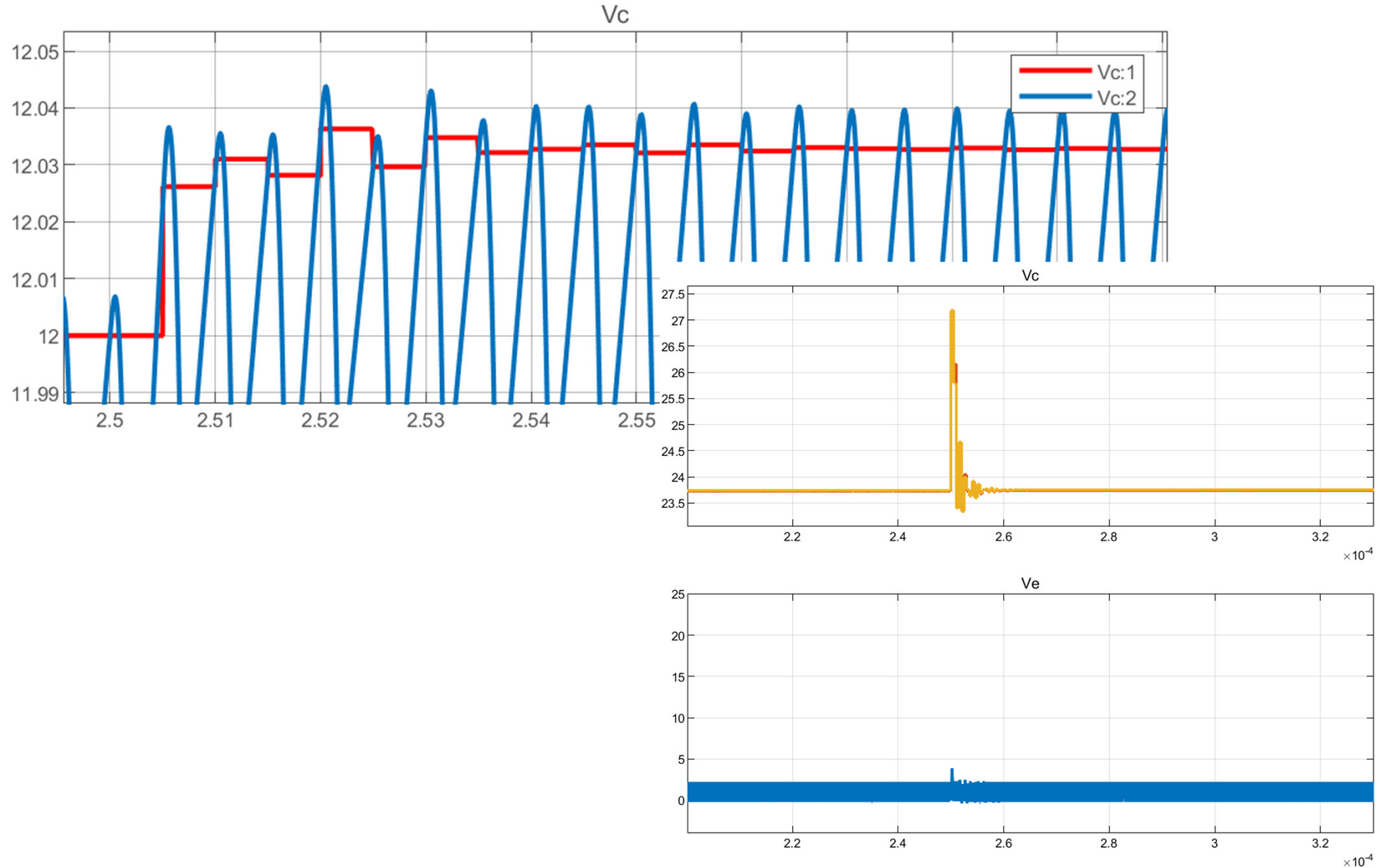
# Simulation Results



# Simulation Results (cont)

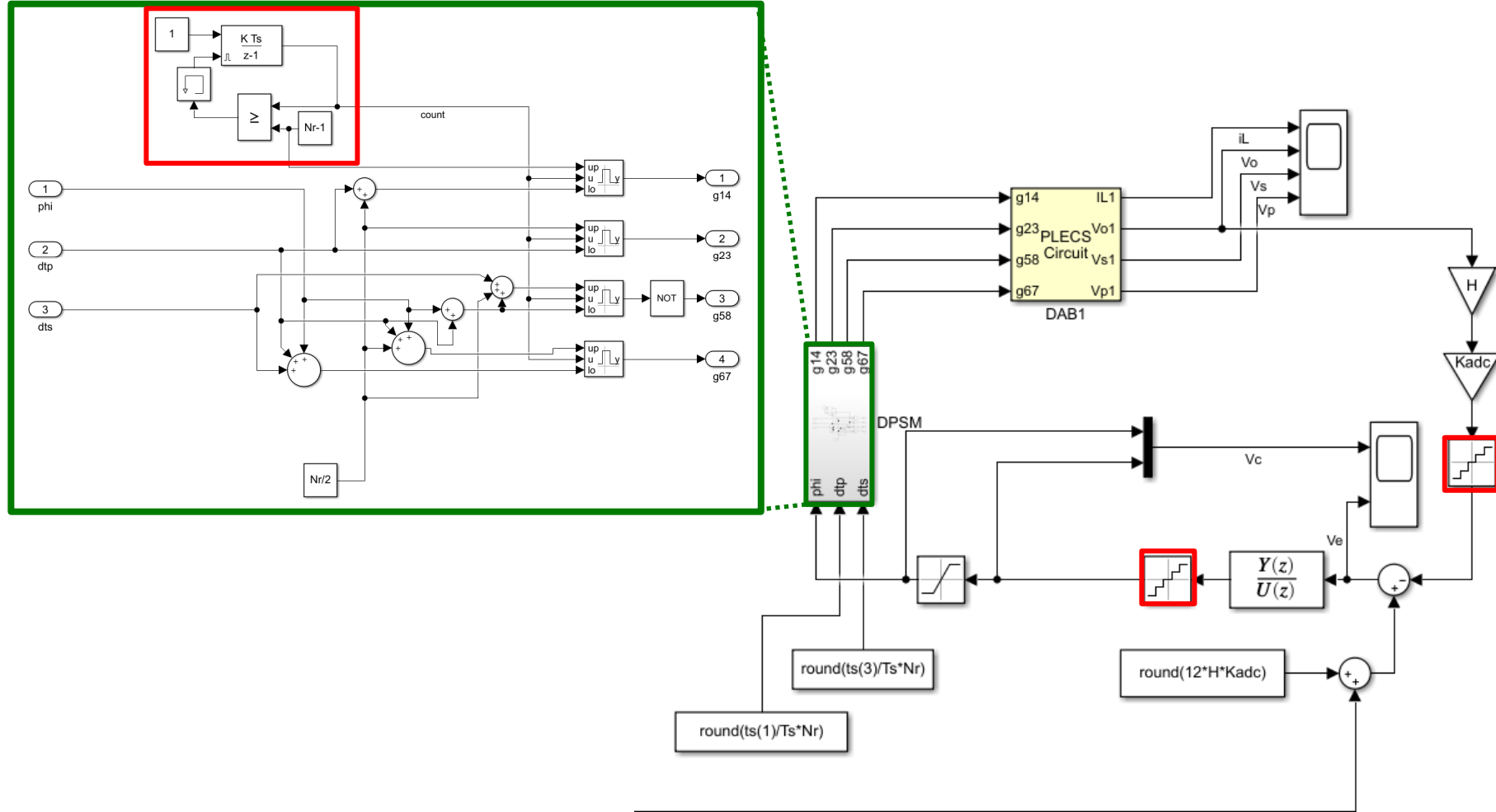


# Simulation Results (max step 10ps)



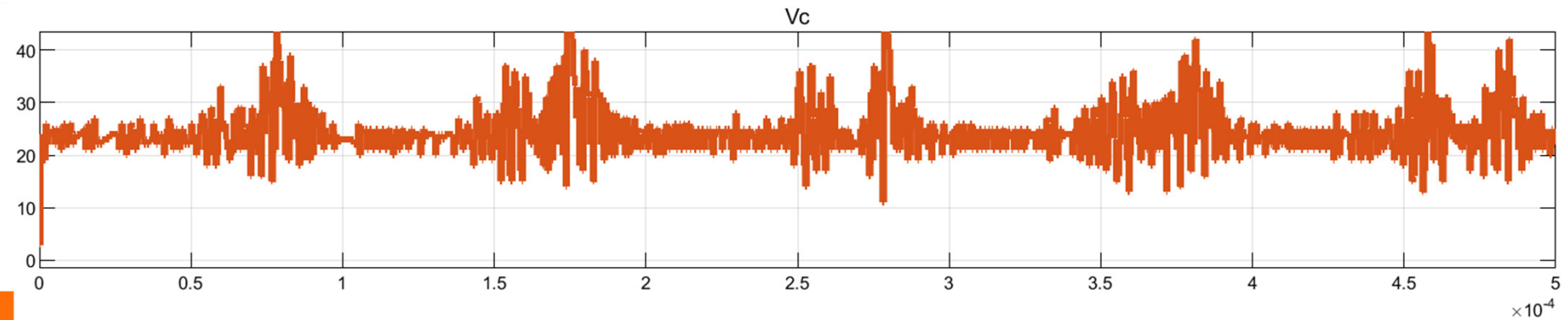
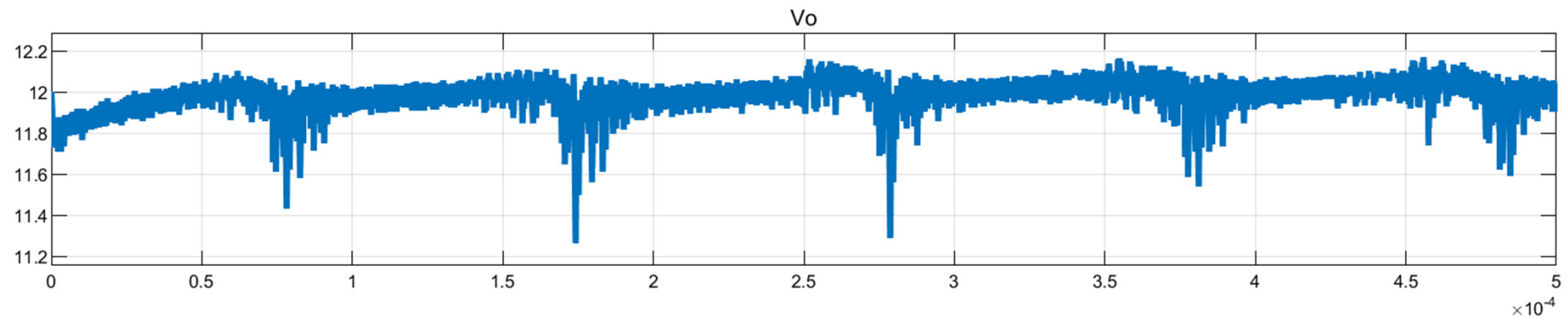
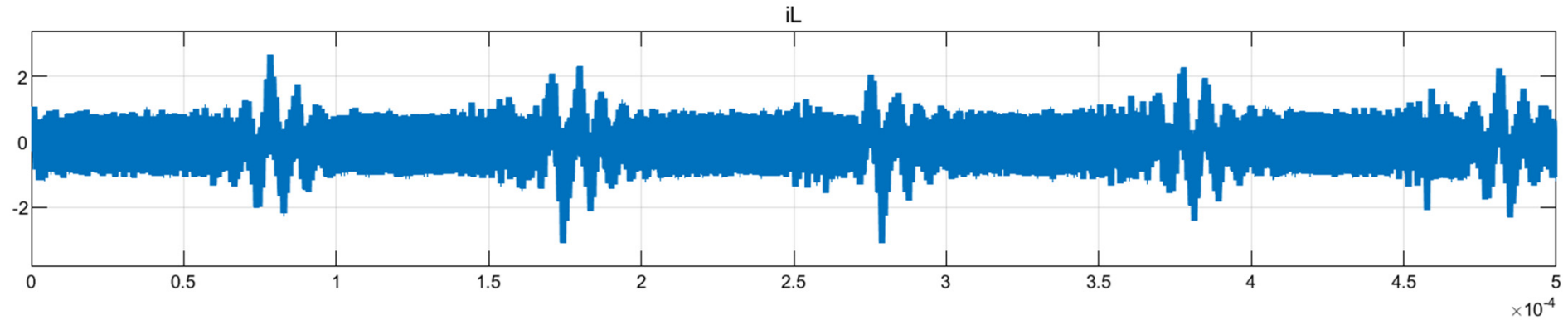


# Quantization





# Simulation with Quantization



# Quantization Impact