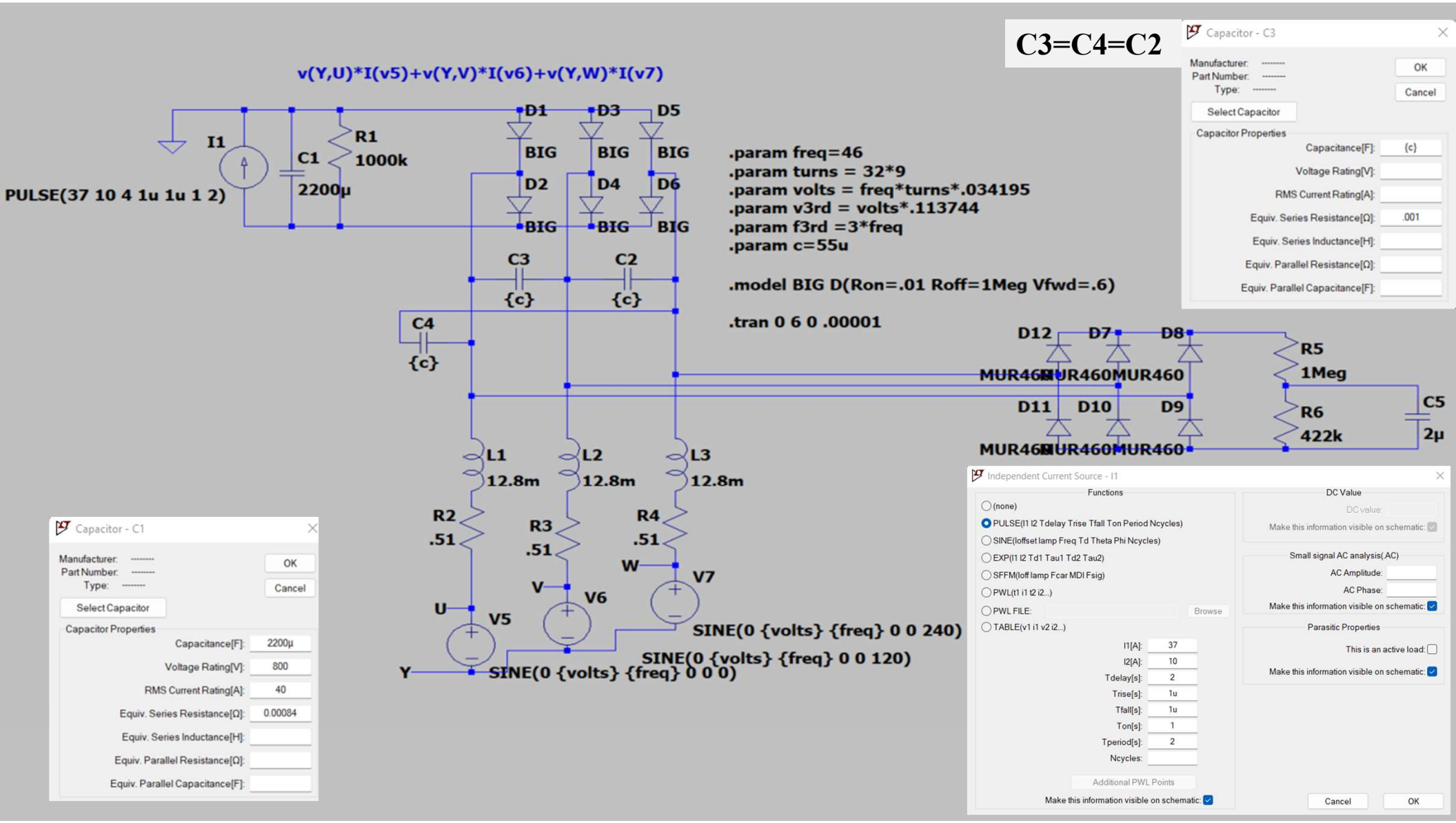
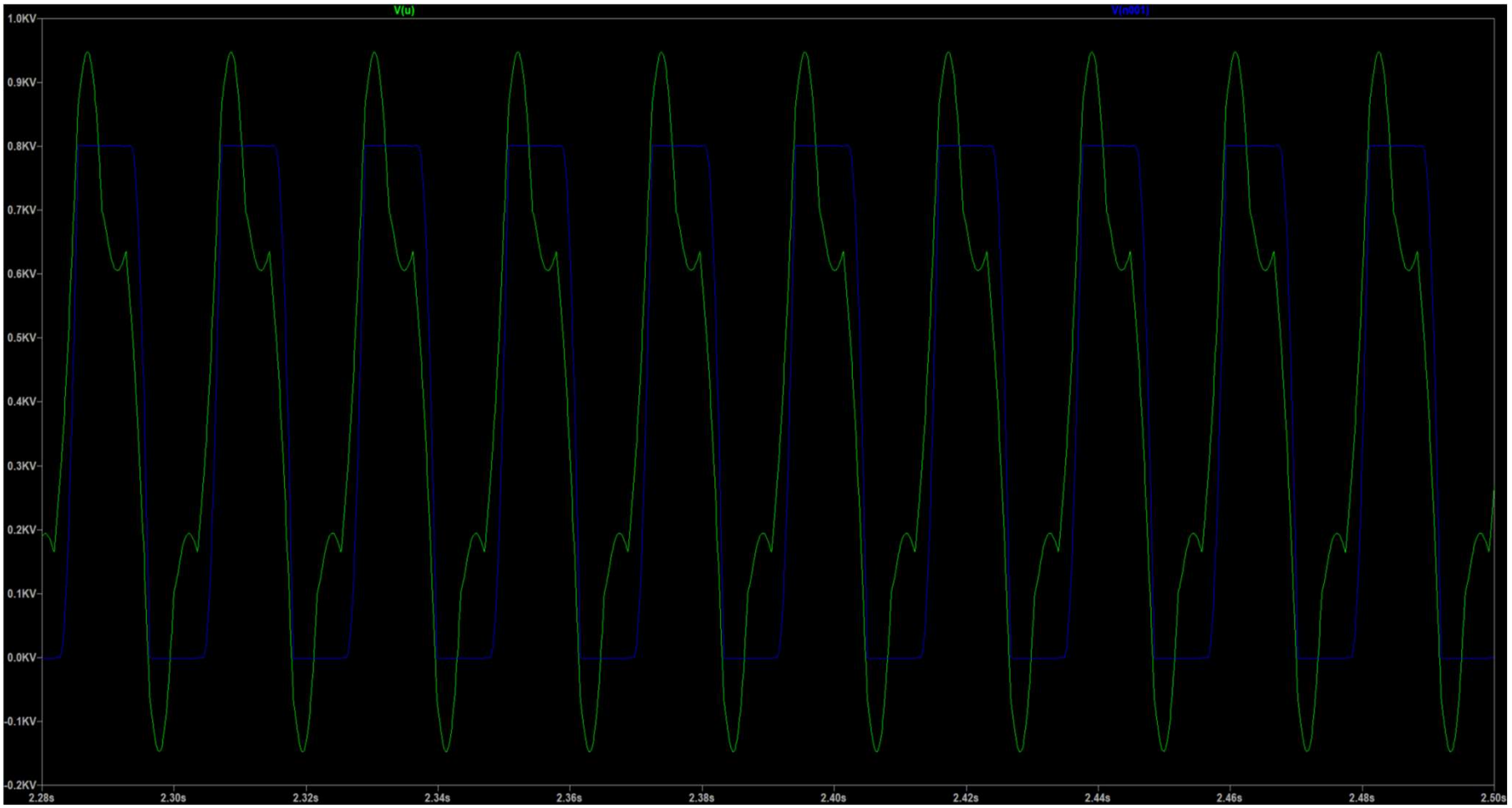
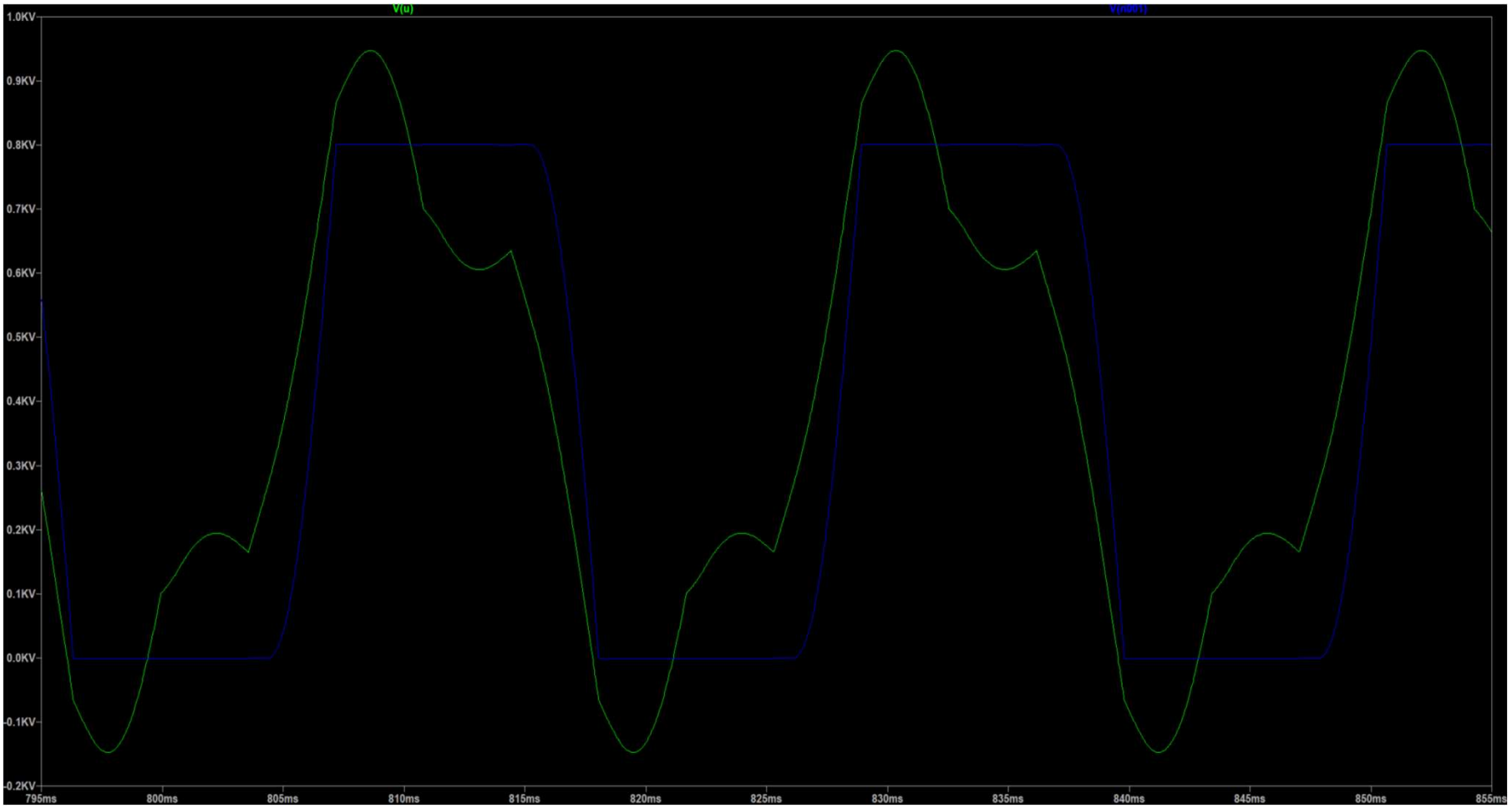
Ltspice model circuit





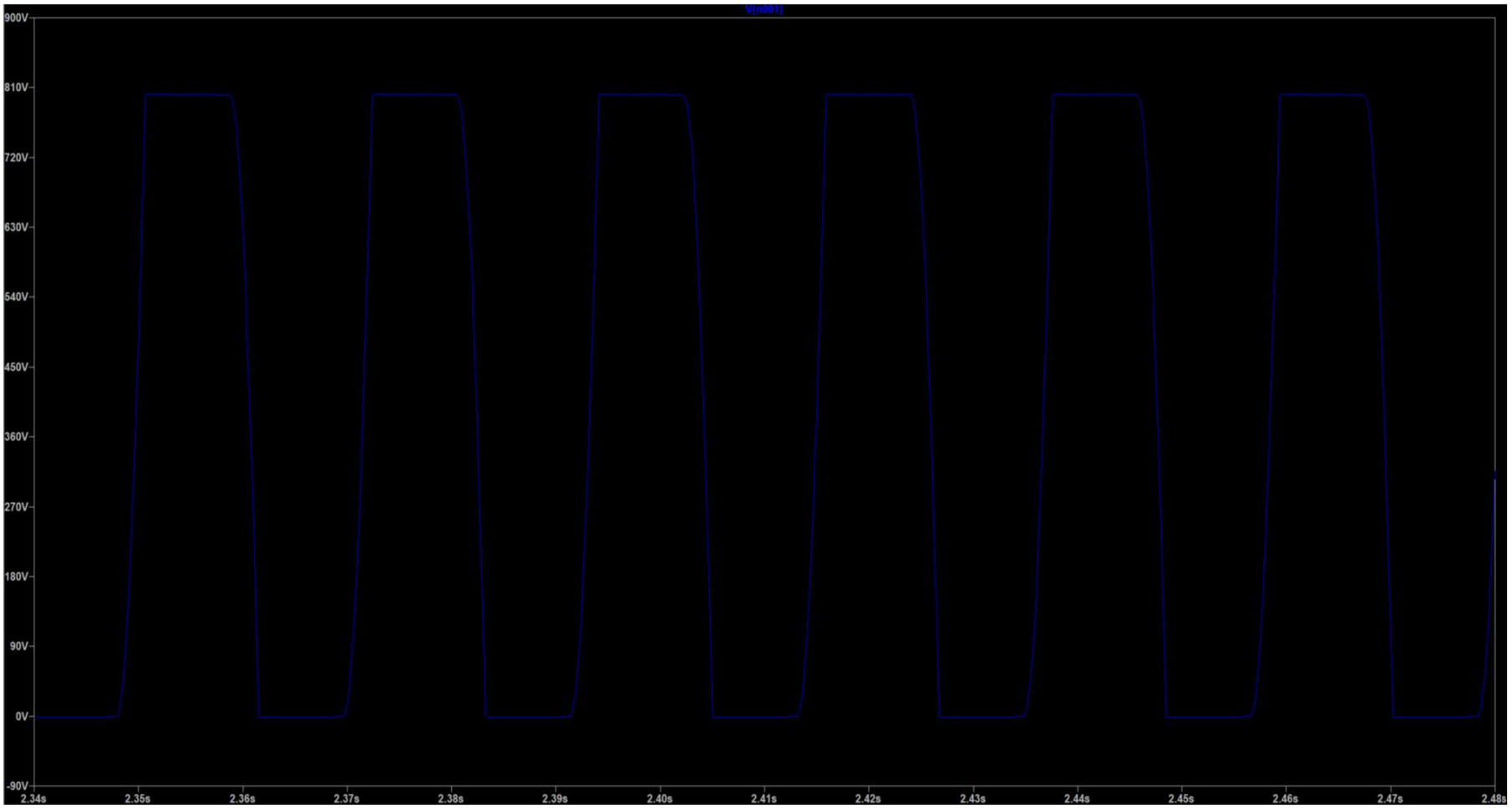
Blue-Voltage before resistance and inductor

Green- Voltage after resistance and inductor

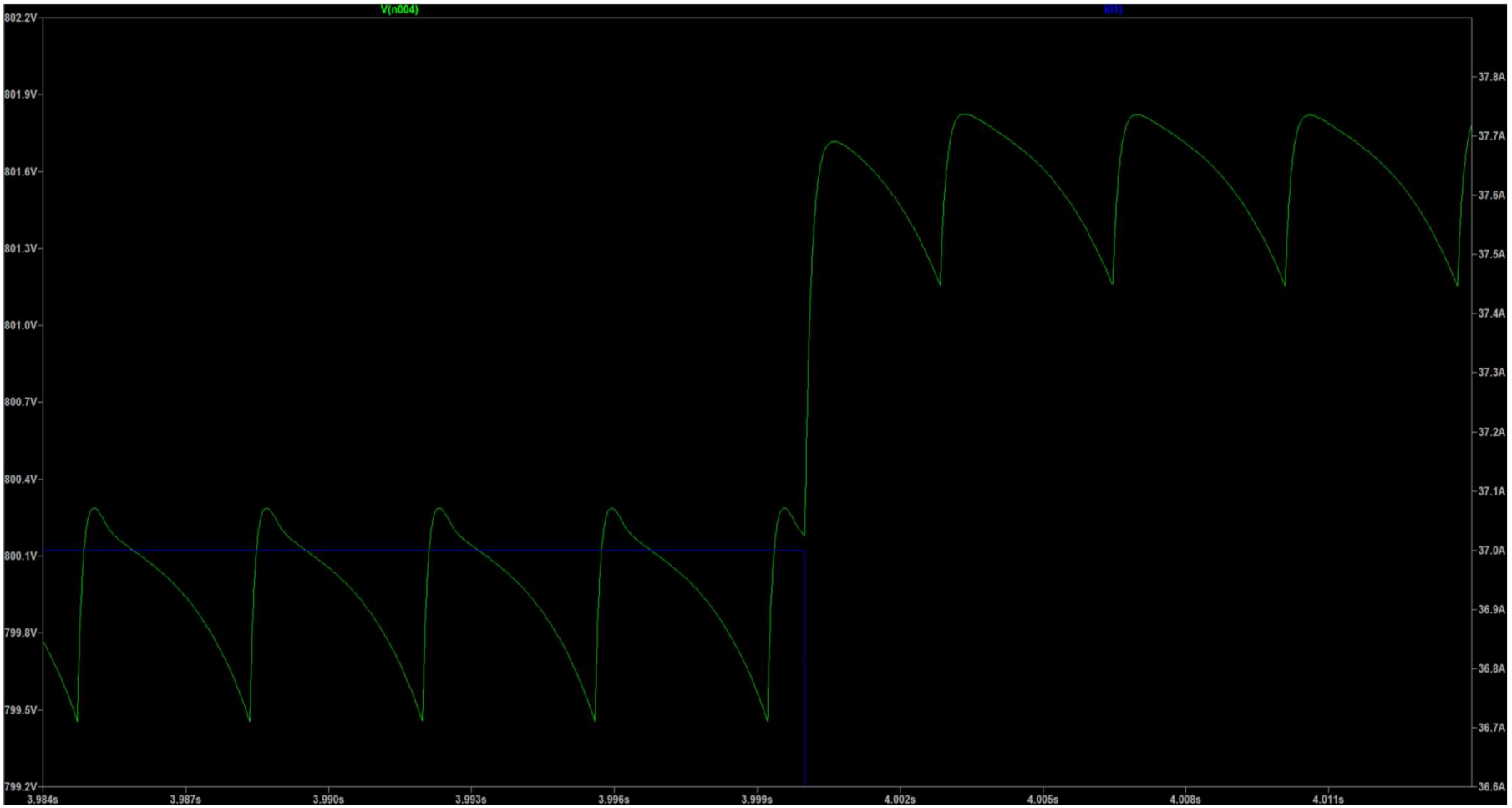


Blue-Voltage before resistance and inductor (zoomed in)

Green- Voltage after resistance and inductor (zoomed in)

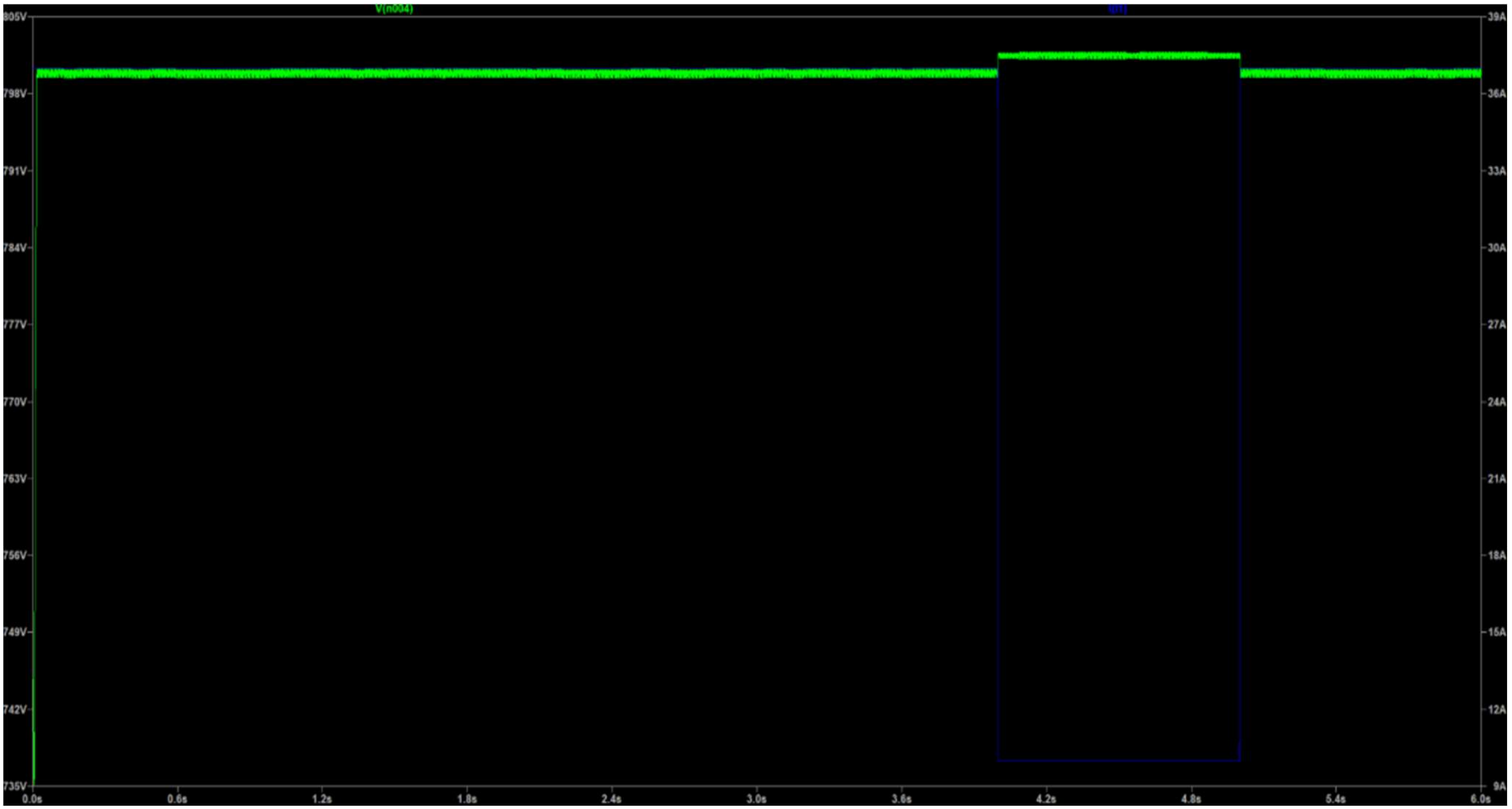


Voltage after resistance and inductor



Blue-Voltage of load (zoomed in)

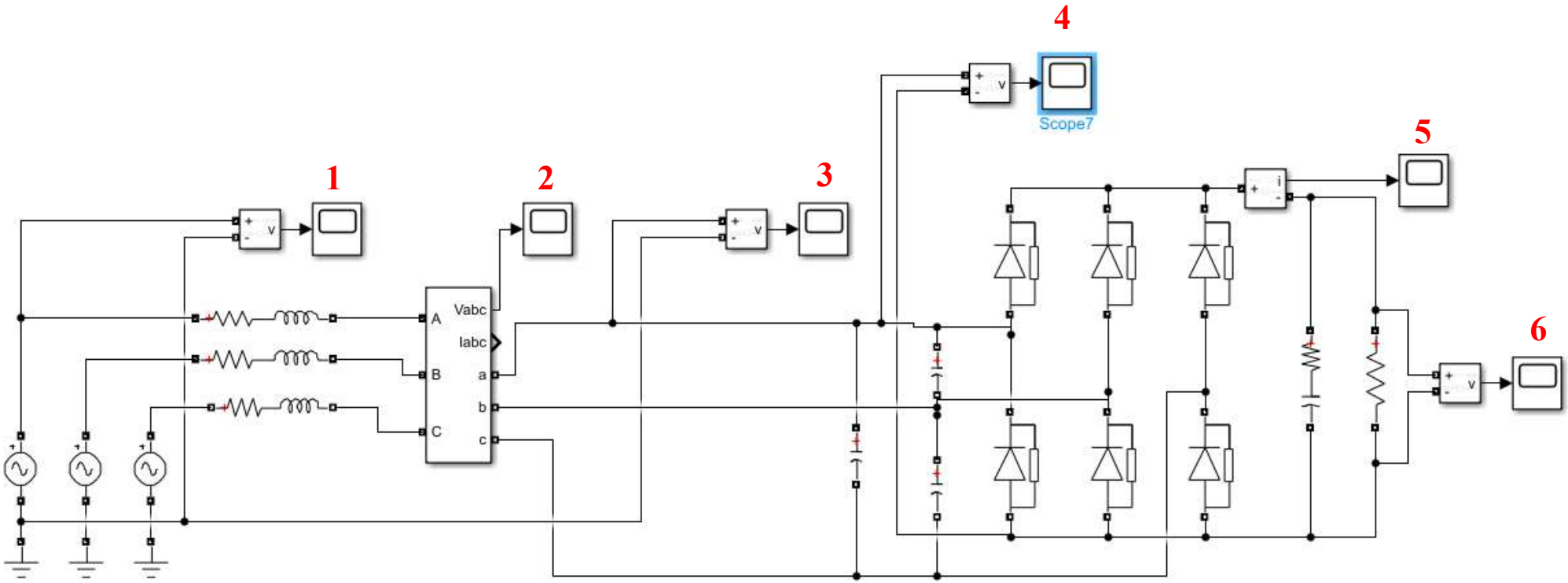
Green- Current of load (zoomed in)



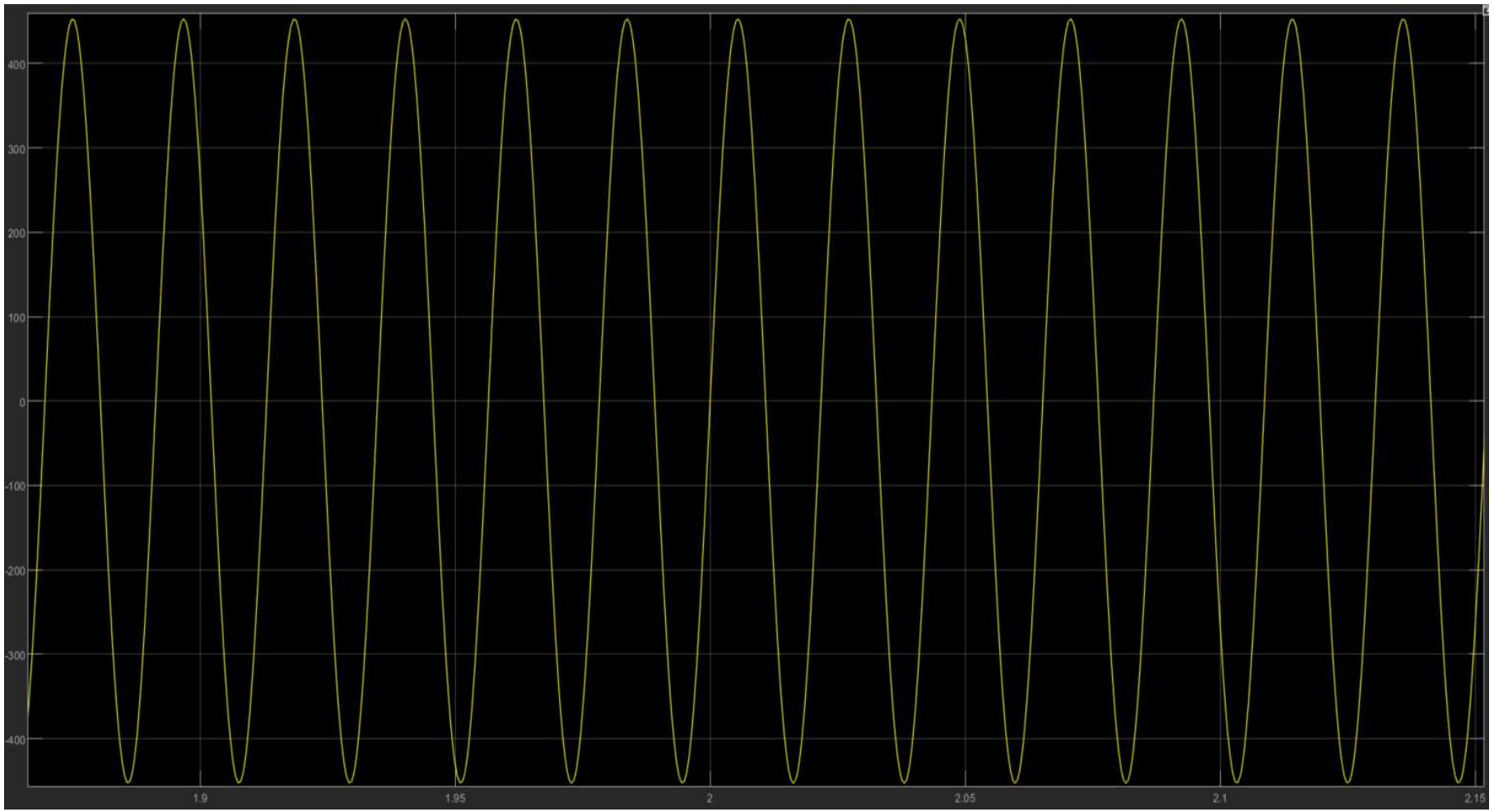
Blue-Voltage of load

Green- Current of load

$$R_{load} = V/I = 800V/37A = 21.62\Omega$$

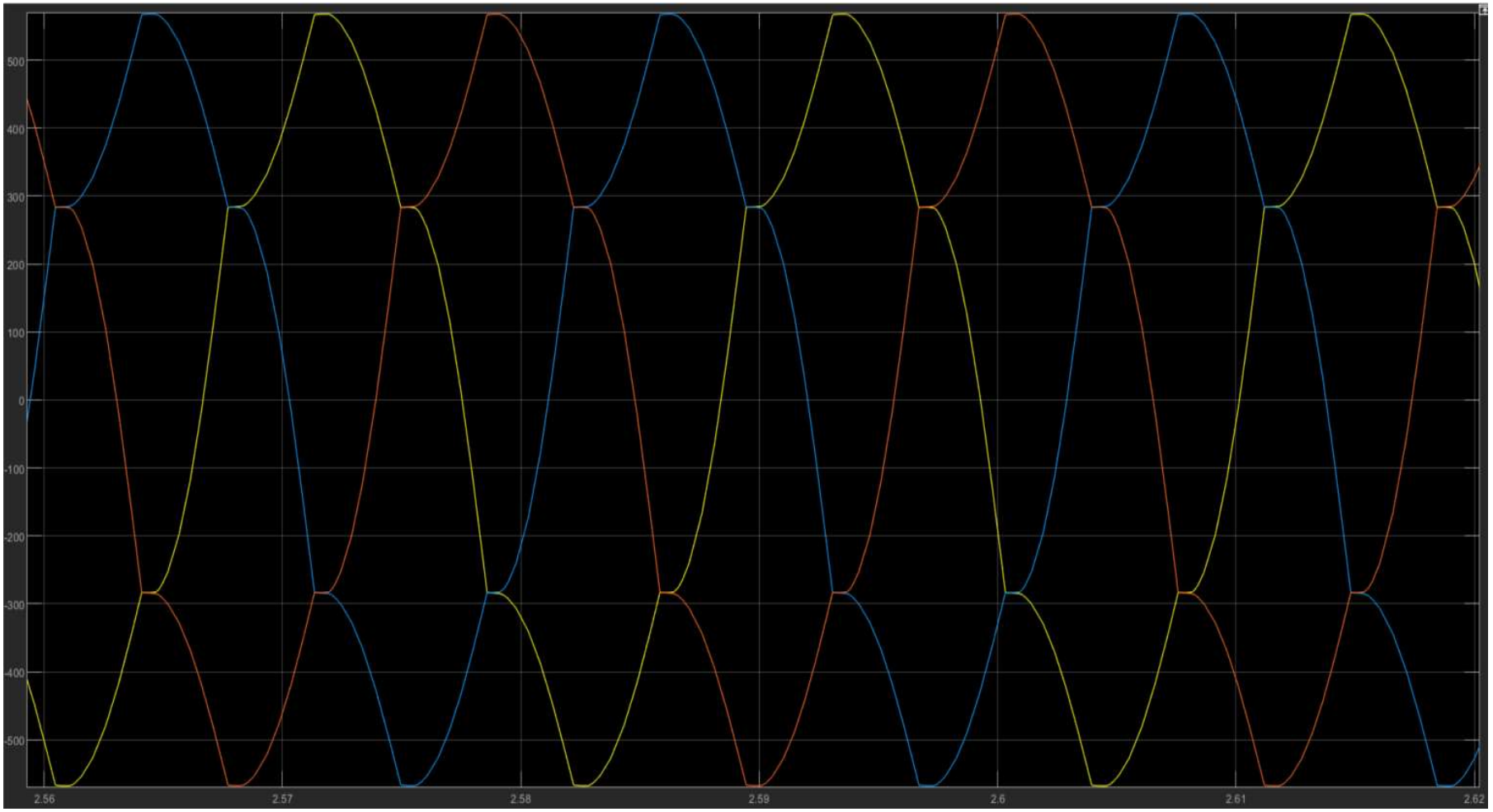


1



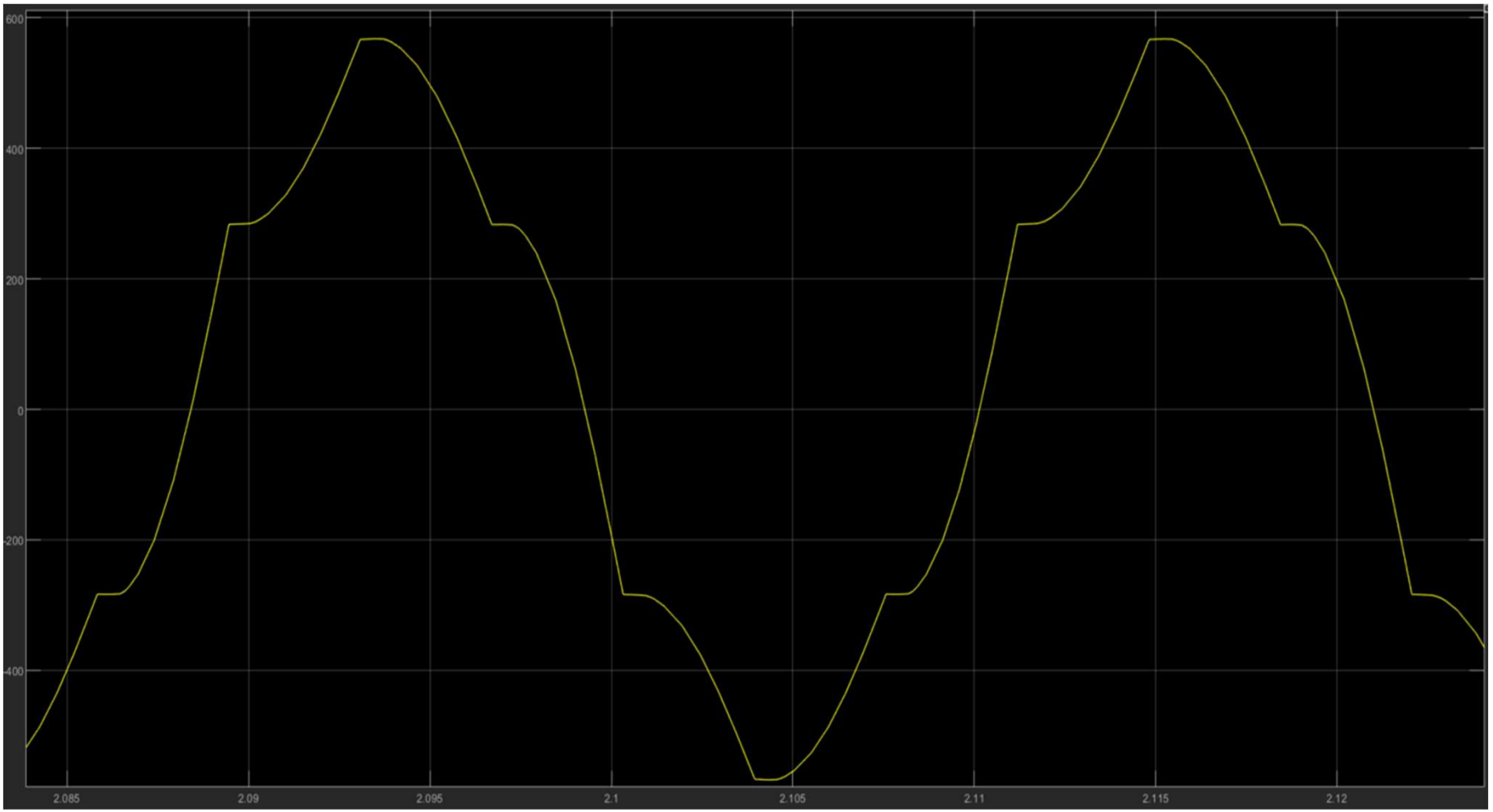
Voltage of source (reference to ground)

2



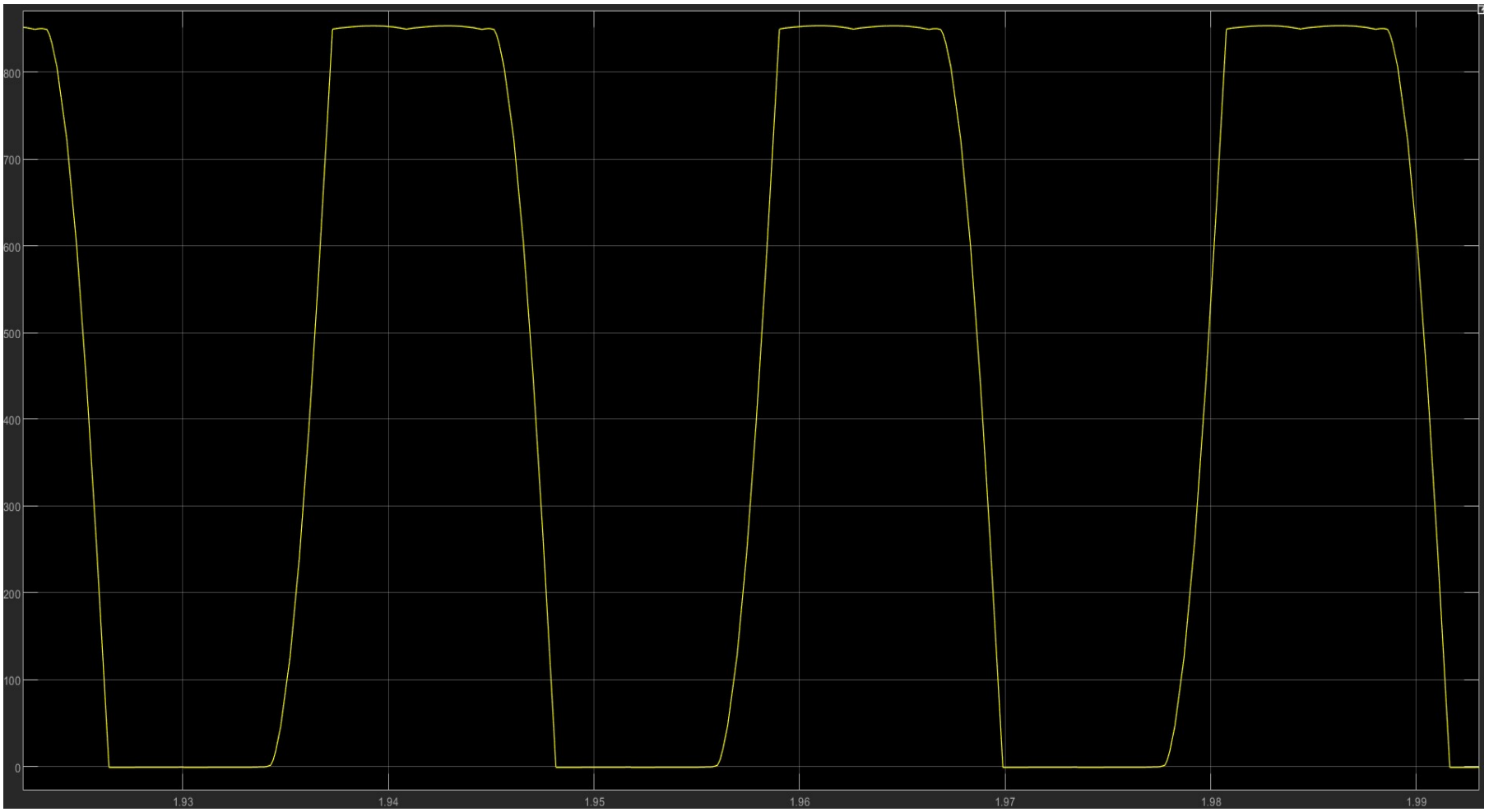
Voltage after resistor and inductor (reference to ground)

3



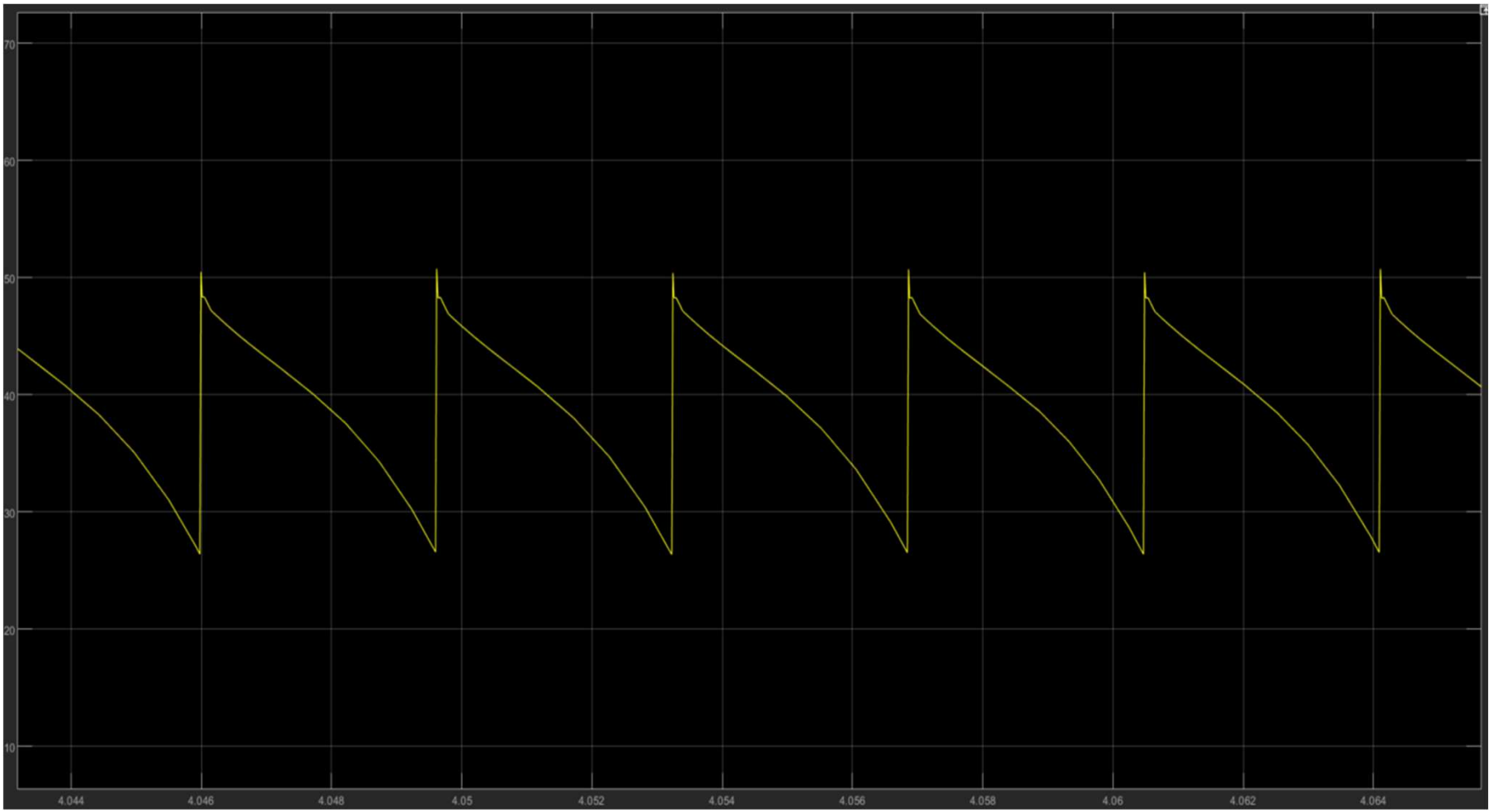
Voltage after resistor and inductor phase A (reference to ground)

4



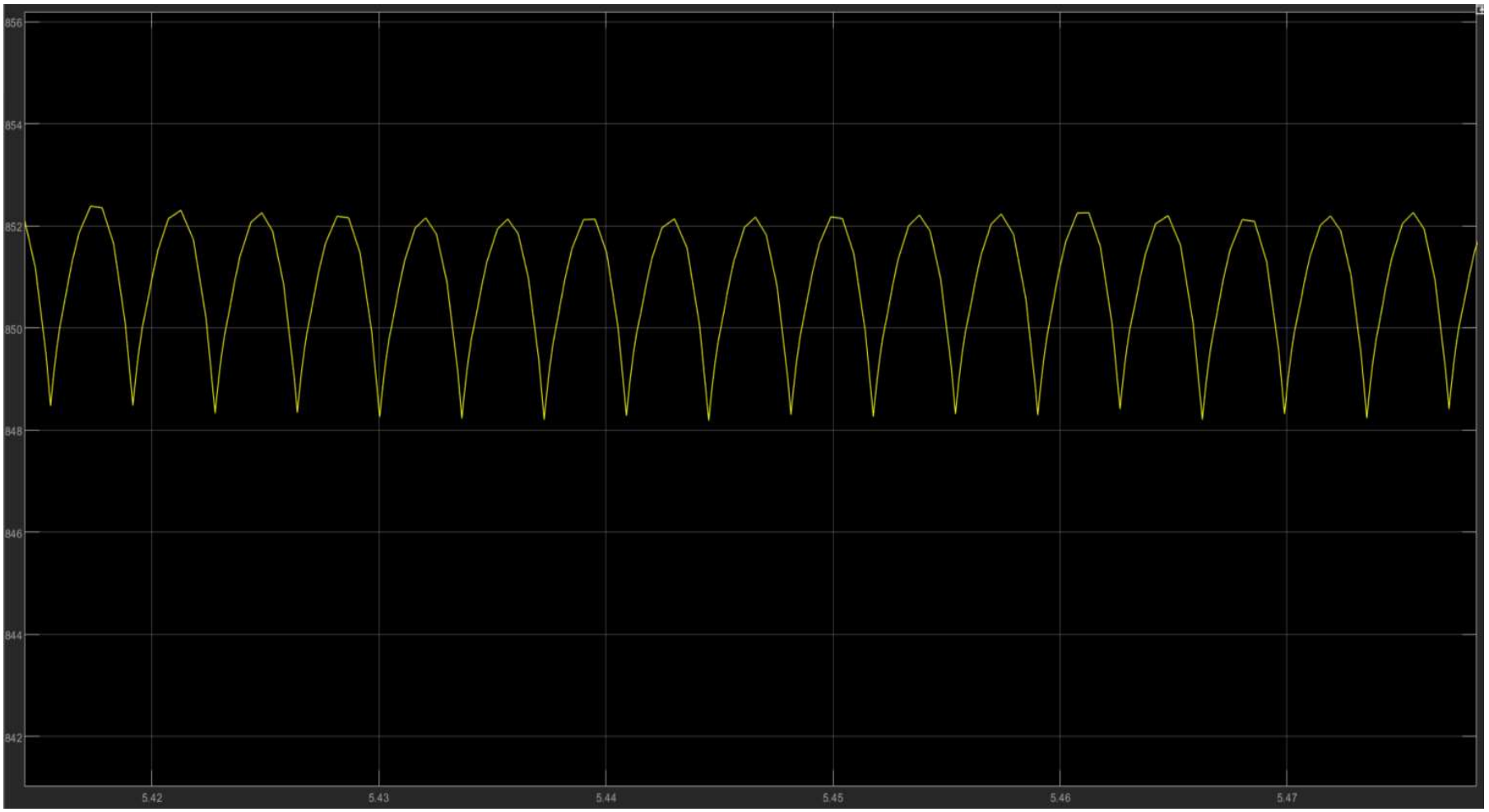
Voltage after capacitor (reference to negative DC side)

5



Current in load

6



Voltage on load