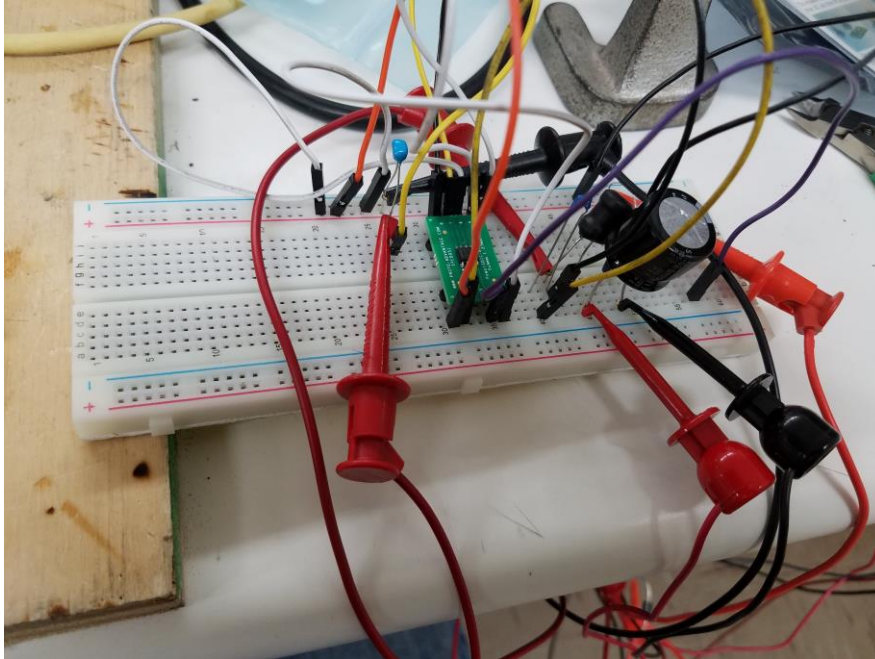


Buck circuit analysis

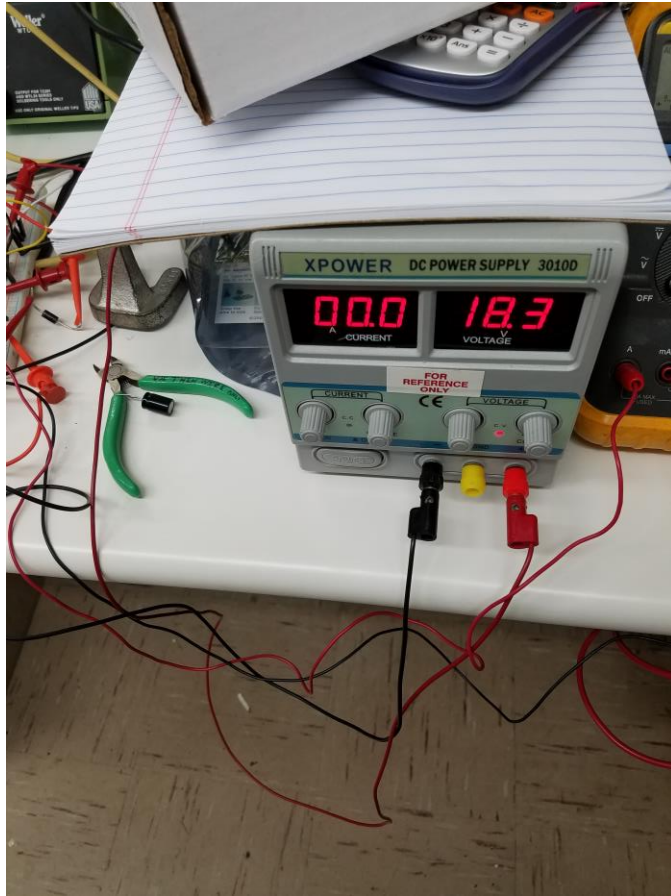
Picture 1:

The circuit connected on a bread board.



Picture 2:

DC power supply I used.



Picture 3:

Output: stable

Voltage: 11.09V

Current: 40mA

Resistance: 300ohms



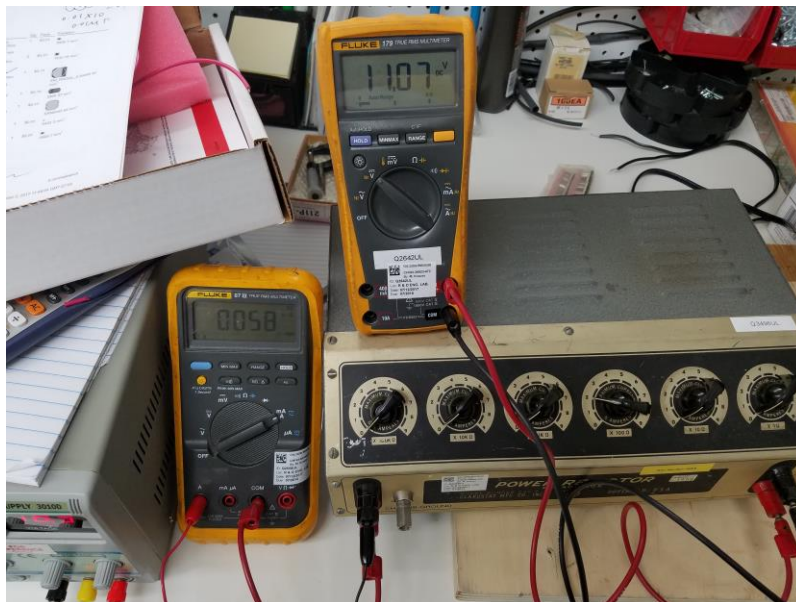
Picture 4:

Output: stable

Voltage: 11.07V

Current: 58mA

Resistance: 200ohms



Picture 5:

Output: stable

Voltage: 11.07V

Current: 72mA

Resistance: 159ohms



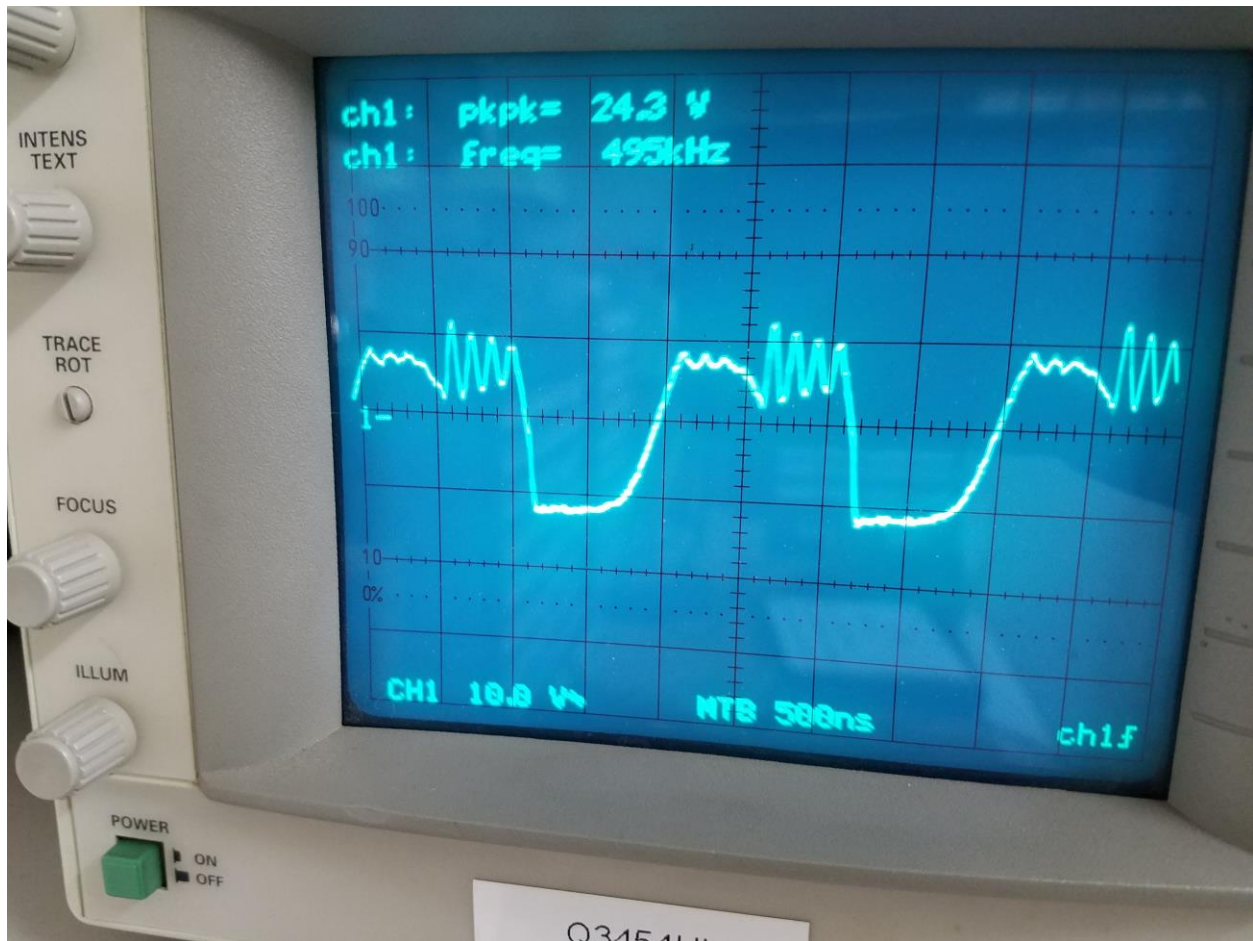
Picture 6:

Output: stable waveform

Voltage: 11.07V

Current: 72mA

Resistance: 159ohms



Picture 7:

Output: unstable

Voltage: 8.93V

Current: 93mA

Resistance: 99ohms



Picture 8:

Output: unstable

Voltage: 5.4V

Current: 113mA

Resistance: 49ohms



Picture 9:

Output: unstable

Voltage: 1.991V

Current: 108mA

Resistance: 10ohms

