

Problem 2 Circuit Measured in Lab 3-14-2018

$C1 = 0.1105 \mu\text{F}$

$C2 = 0.1003 \mu\text{F}$

$R1 = 5030.5 \Omega$

$R2 = 5022.1 \Omega$

$R3(1) = 197.35 \Omega$


$R3(2) = 197.55 \Omega$

$R4 = 998.70 \Omega$

$R5 = 996.20 \Omega$




$+V_{dd} = +15.613 \text{ Vdc}$

$-V_{dd} = -15.069 \text{ Vdc}$




100.0240 Hz

Waveform Settings




Frequency



200m 1M

100 Hz


Amplitude



0.0 10.0

1.00 Vpp

DC Offset



-5.0 5.0

0.00 V

Duty Cycle

50 %

Modulation Type

None

Sweep Settings

Start Frequency	Stop Frequency	Step	Step Interval
100 Hz	1k Hz	100 Hz	1000 ms

Instrument Control


Device


Dev1 (NI ELVIS II)


Signal Route


Prototyping board

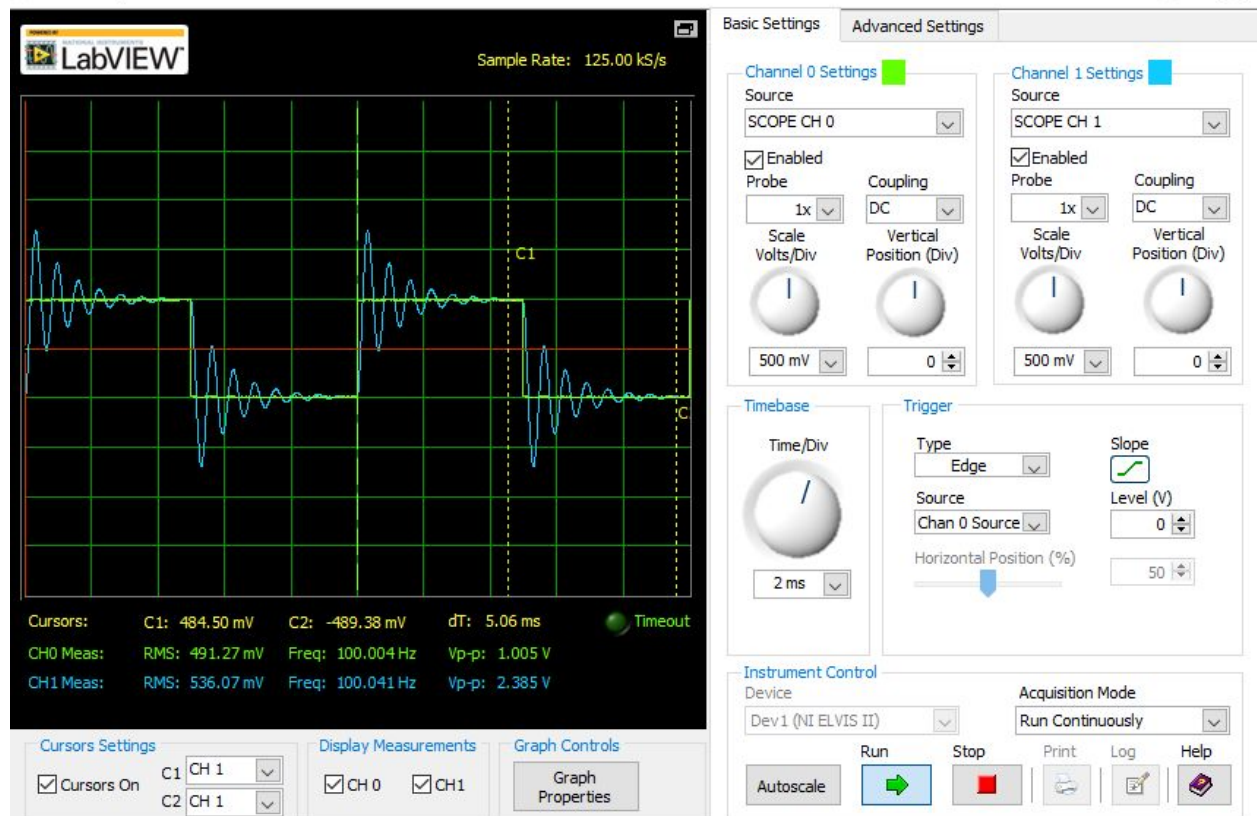
☐ Manual Mode

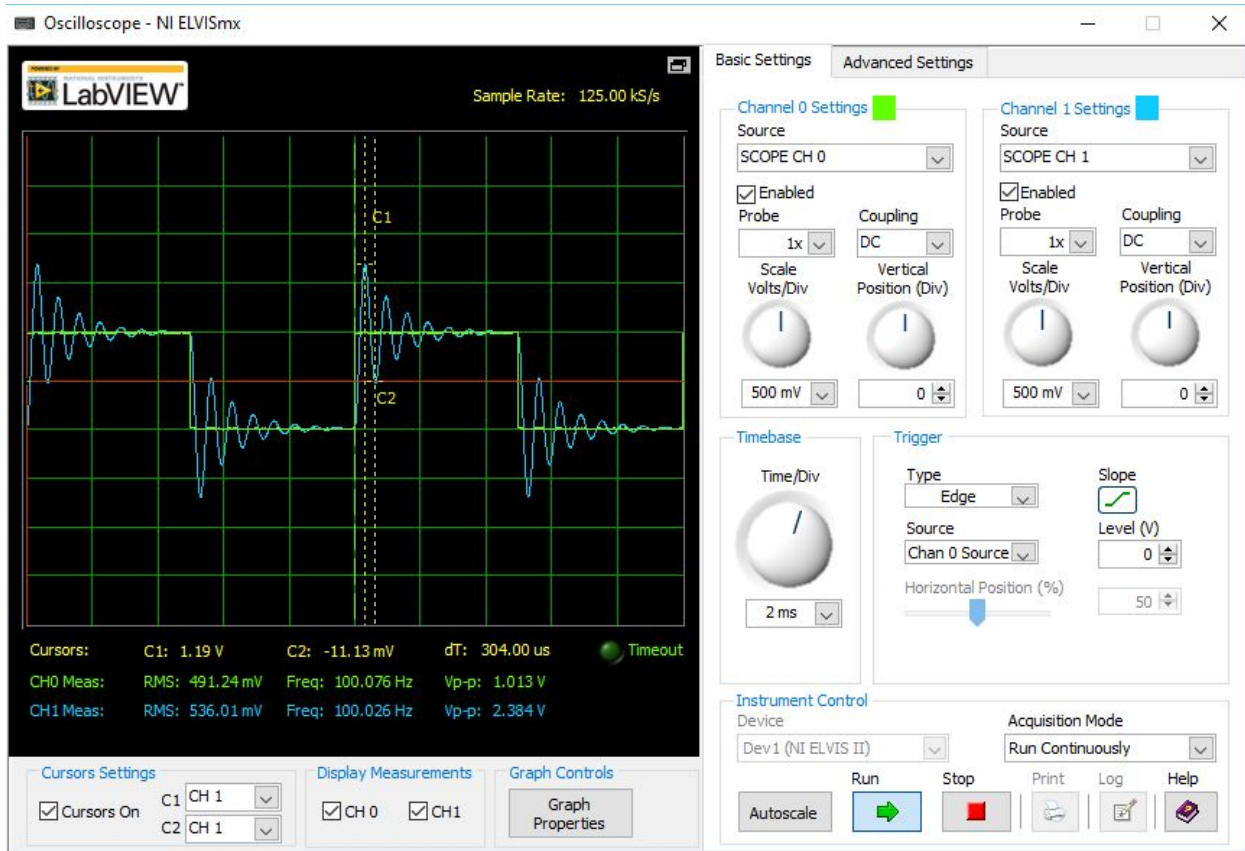
Run

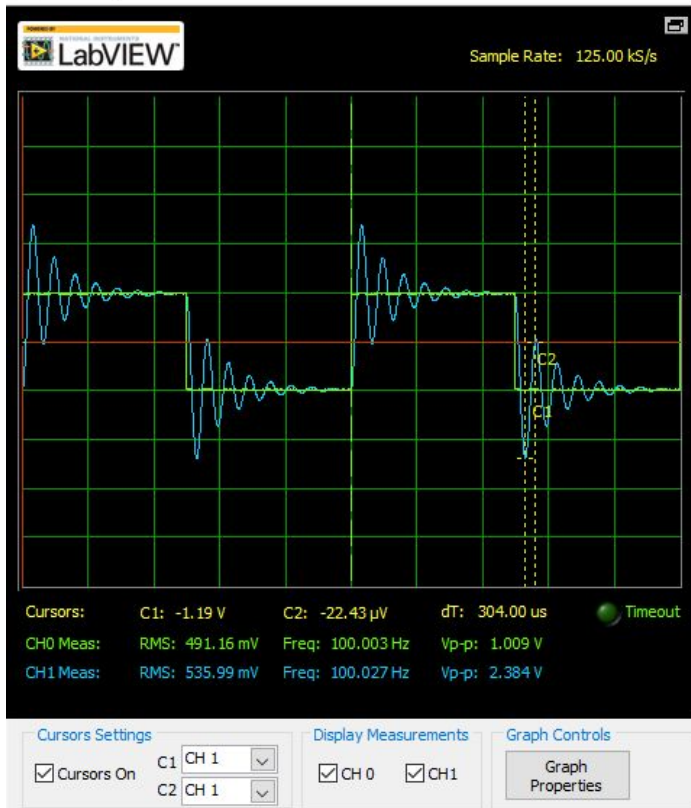
Sweep

Stop

Help







Basic Settings Advanced Settings

Channel 0 Settings

Source: SCOPE CH 0

☒ Enabled Probe: 1x Coupling: DC Scale Volts/Div: 500 mV Vertical Position (Div): 0

Channel 1 Settings

Source: SCOPE CH 1

☒ Enabled Probe: 1x Coupling: DC Scale Volts/Div: 500 mV Vertical Position (Div): 0

Timebase

Time/Div: 2 ms

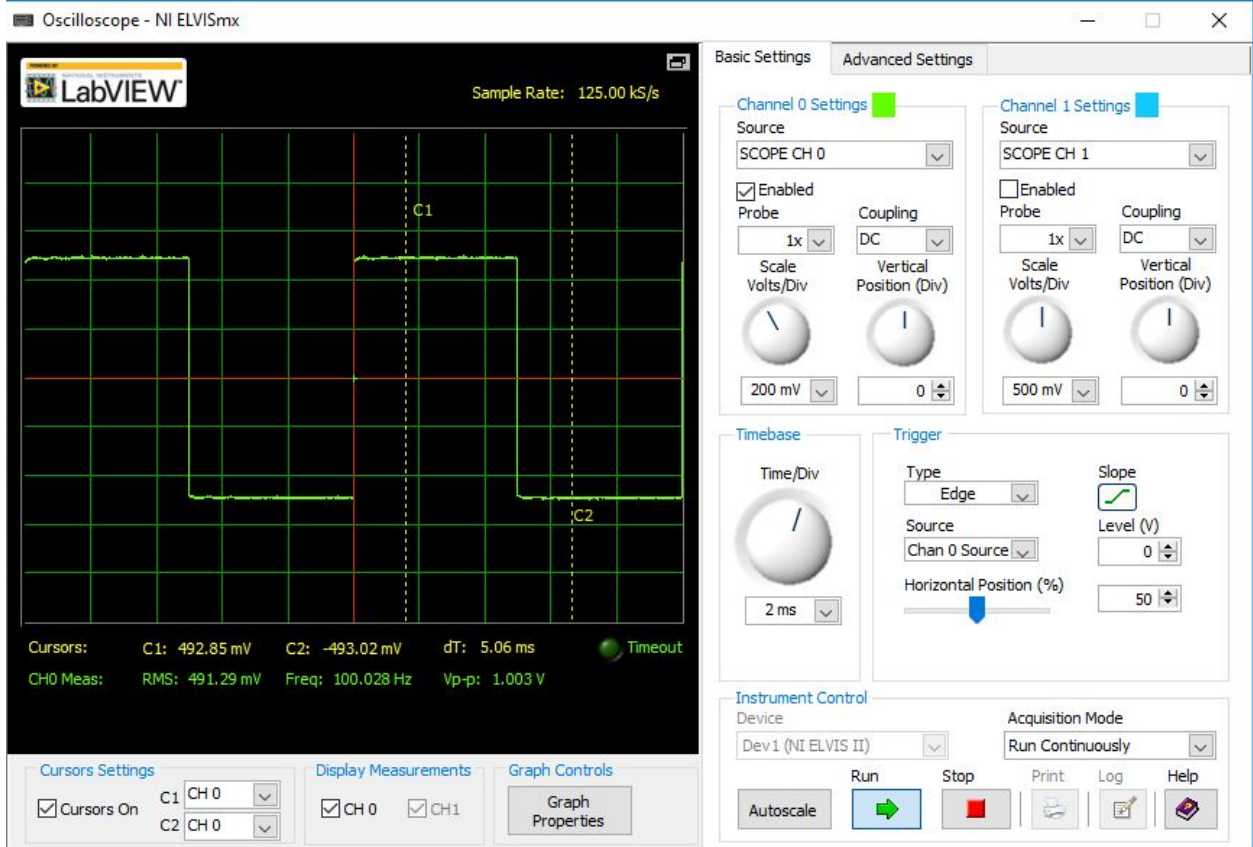
Trigger

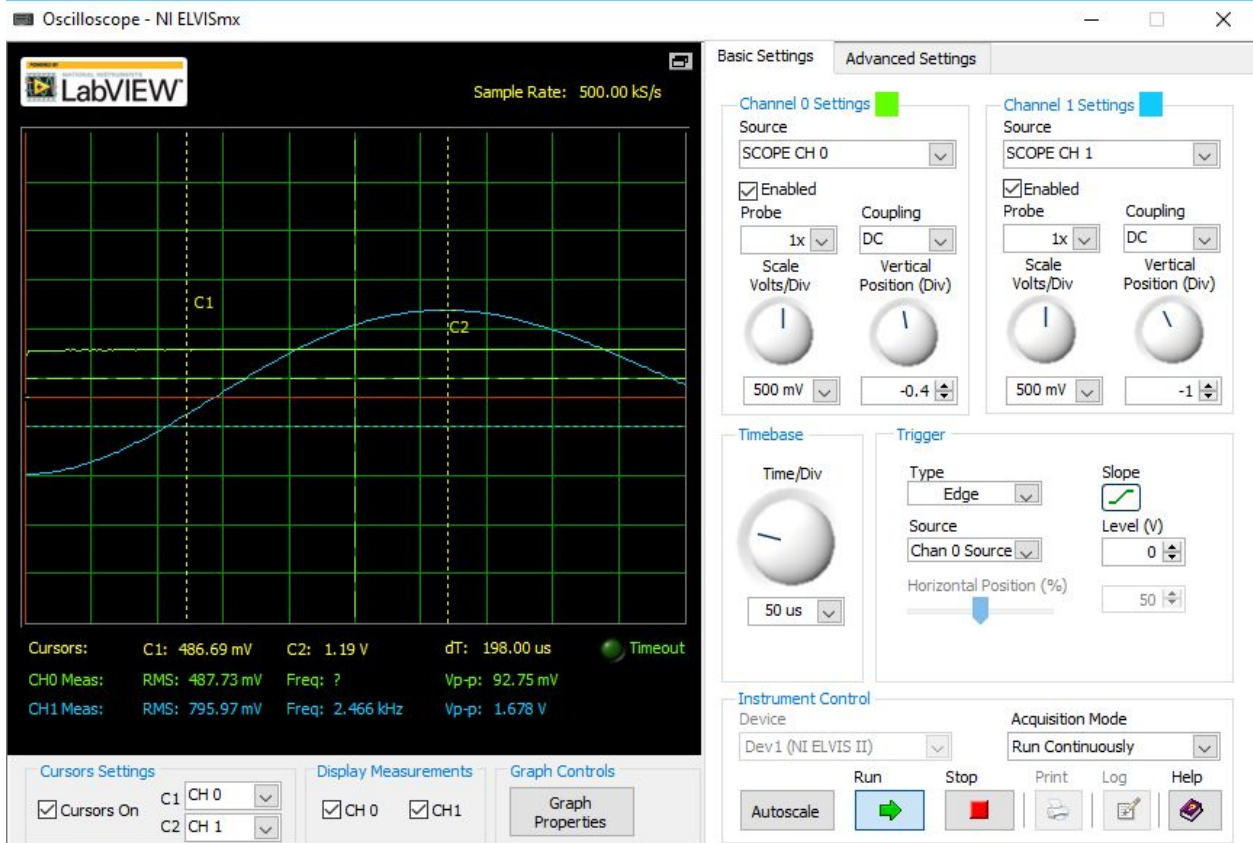
Type: Edge Slope: ☒ Level (V): 0 Horizontal Position (%): 50

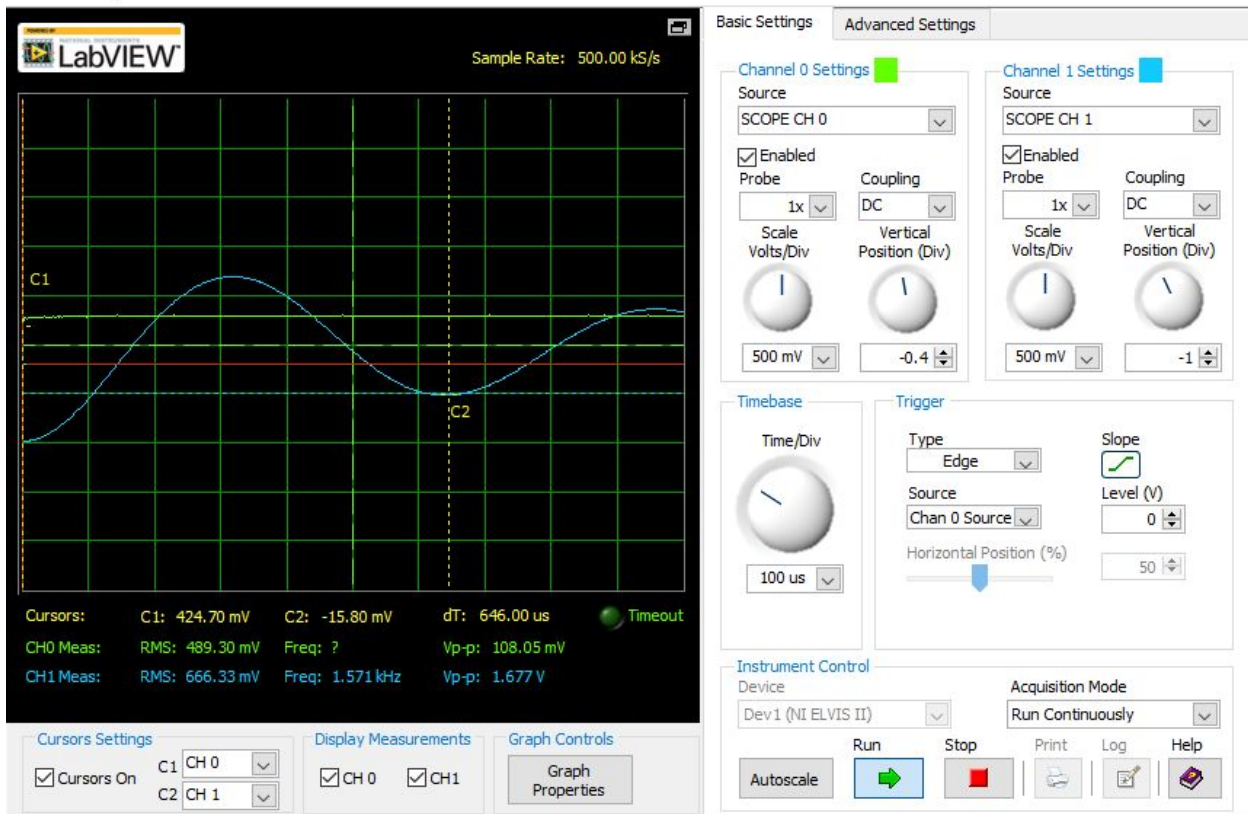
Instrument Control

Device: Dev 1 (NI ELVIS II) Acquisition Mode: Run Continuously

Autoscale Run Stop Print Log Help







Problem 6 Circuit Measured in Lab 3-14-2018

$C1 = 0.1105 \mu\text{F}$

$C2 = 0.1003 \mu\text{F}$

$R1 = 1283.2 \Omega$

$R2 = 1292.7 \Omega$

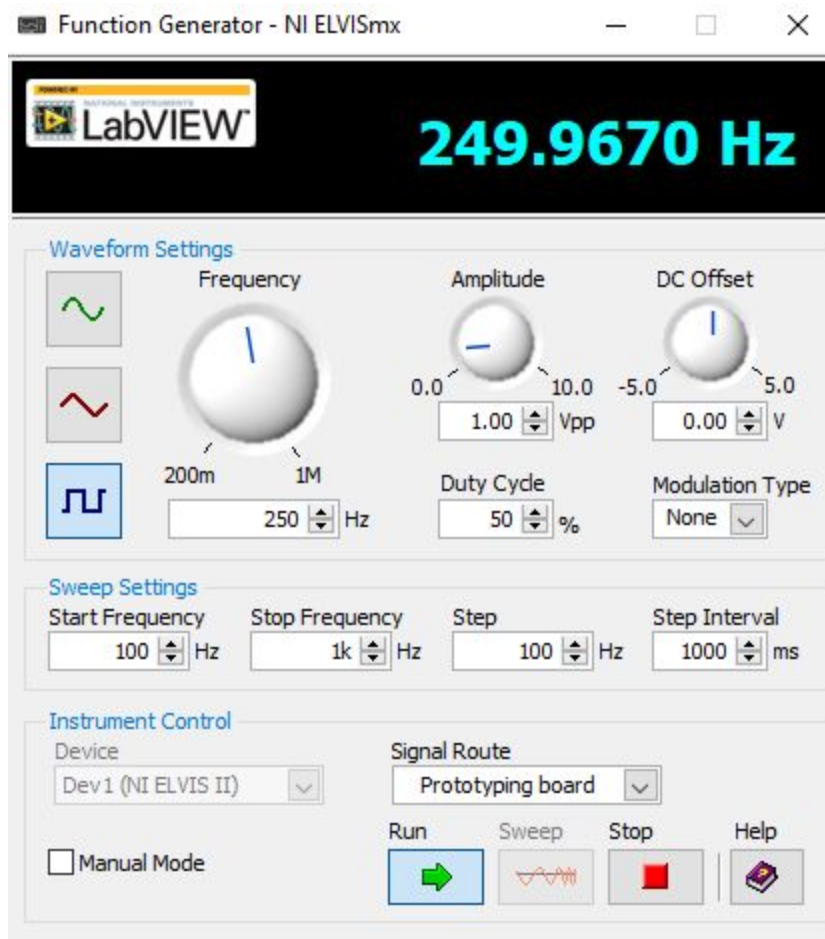
$R3 = 991.6 \Omega$

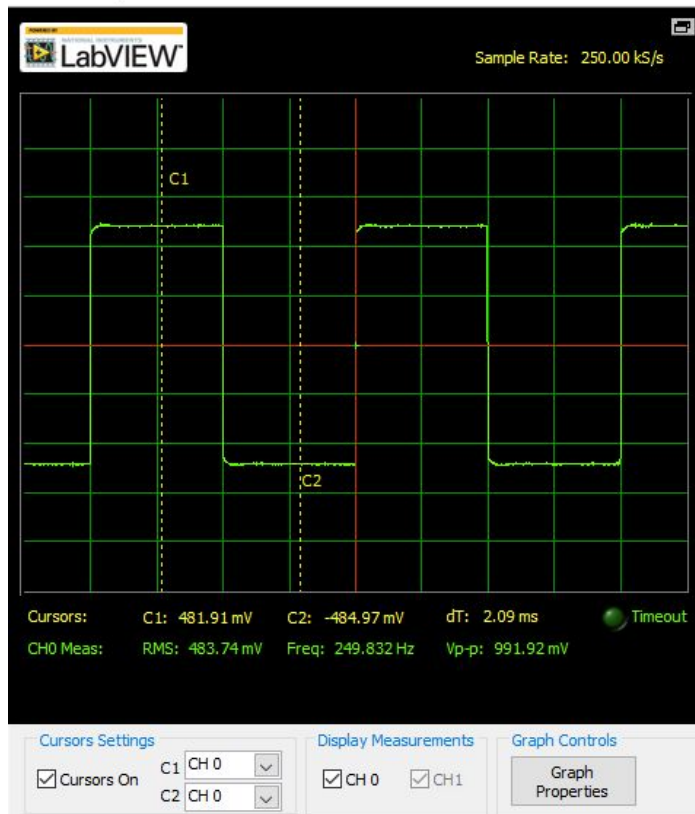
$R4 = 998.70 \Omega$

$R5 = 996.20 \Omega$

+Vdd = +15.613 Vdc

-Vdd = -15.069 Vdc





Basic Settings Advanced Settings

Channel 0 Settings

Source: SCOPE CH 0

☒ Enabled Probe

Scale: 1x Volts/Div

200 mV

Coupling: DC

Vertical Position (Div): 0

Channel 1 Settings

Source: SCOPE CH 1

☐ Enabled Probe

Scale: 1x Volts/Div

200 mV

Coupling: DC

Vertical Position (Div): 0

Timebase

Time/Div: 1 ms

Trigger

Type: Edge

Slope: ☒ Rising

Source: Chan 0 Source

Level (V): 0

Horizontal Position (%): 50

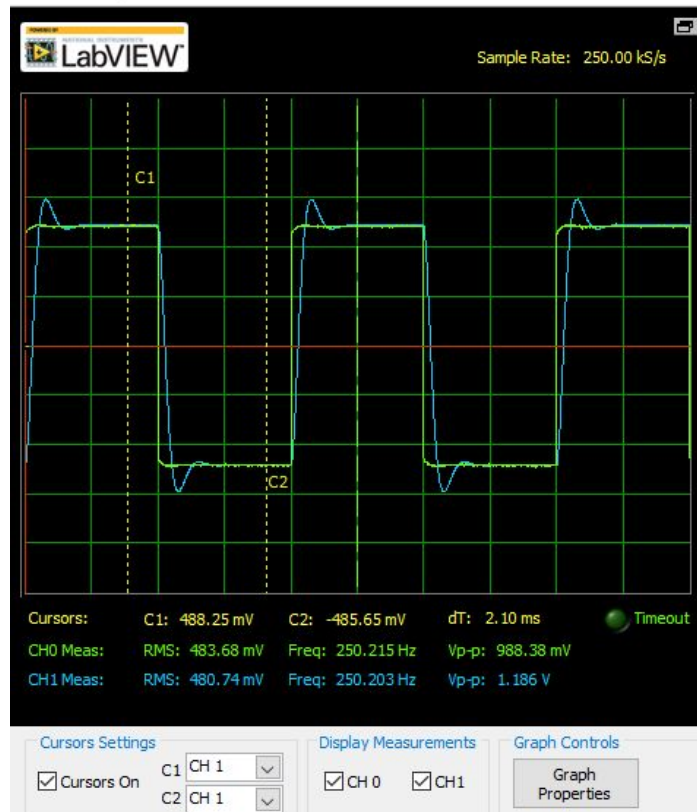
Instrument Control

Device: Dev1 (NI ELVIS II)

Acquisition Mode: Run Continuously

Run Stop Print Log Help

Autoscale



Basic Settings Advanced Settings

Channel 0 Settings

Source: SCOPE CH 0

☒ Enabled

Probe: 1x Coupling: DC

Scale: Volts/Div 200 mV Vertical Position (Div): 0

Channel 1 Settings

Source: SCOPE CH 1

☒ Enabled

Probe: 1x Coupling: DC

Scale: Volts/Div 200 mV Vertical Position (Div): 0

Timebase

Time/Div: 1 ms

Trigger

Type: Edge Slope: ☒ Level (V): 0

Source: Chan 0 Source Horizontal Position (%): 50

Instrument Control

Device: Dev1 (NI ELVIS II) Acquisition Mode: Run Continuously

Run Stop Print Log Help

Autoscale

