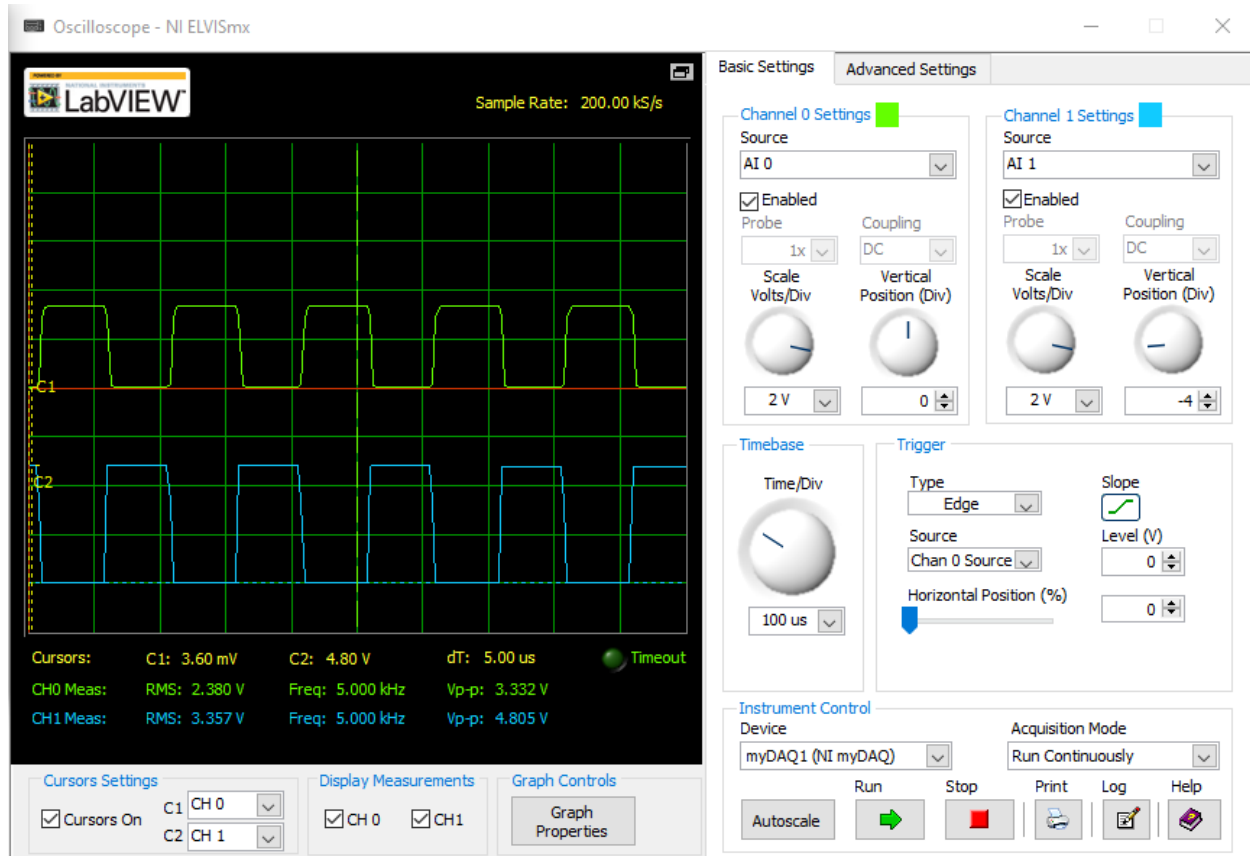


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Professor Berhe
ECE 442L
27 October 2021

Lab 1 MyDAQ

Case 2 with propagation delay High to low and Low to high, respectively



**5.0000 kHz**

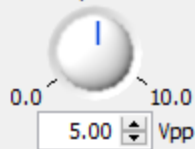
Waveform Settings



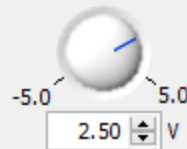
Frequency

200m 20k
5k Hz

Amplitude

0.0 10.0
5.00 Vpp

DC Offset

-5.0 5.0
2.50 V

Duty Cycle

50 %

Modulation Type

None

Sweep Settings

Start Frequency

100 Hz

Stop Frequency

5k Hz

Step

100 Hz

Step Interval

1000 ms

Instrument Control

Device

myDAQ1 (NI myDAQ)

Signal Route

AO0

☐ Manual Mode

Run



Sweep

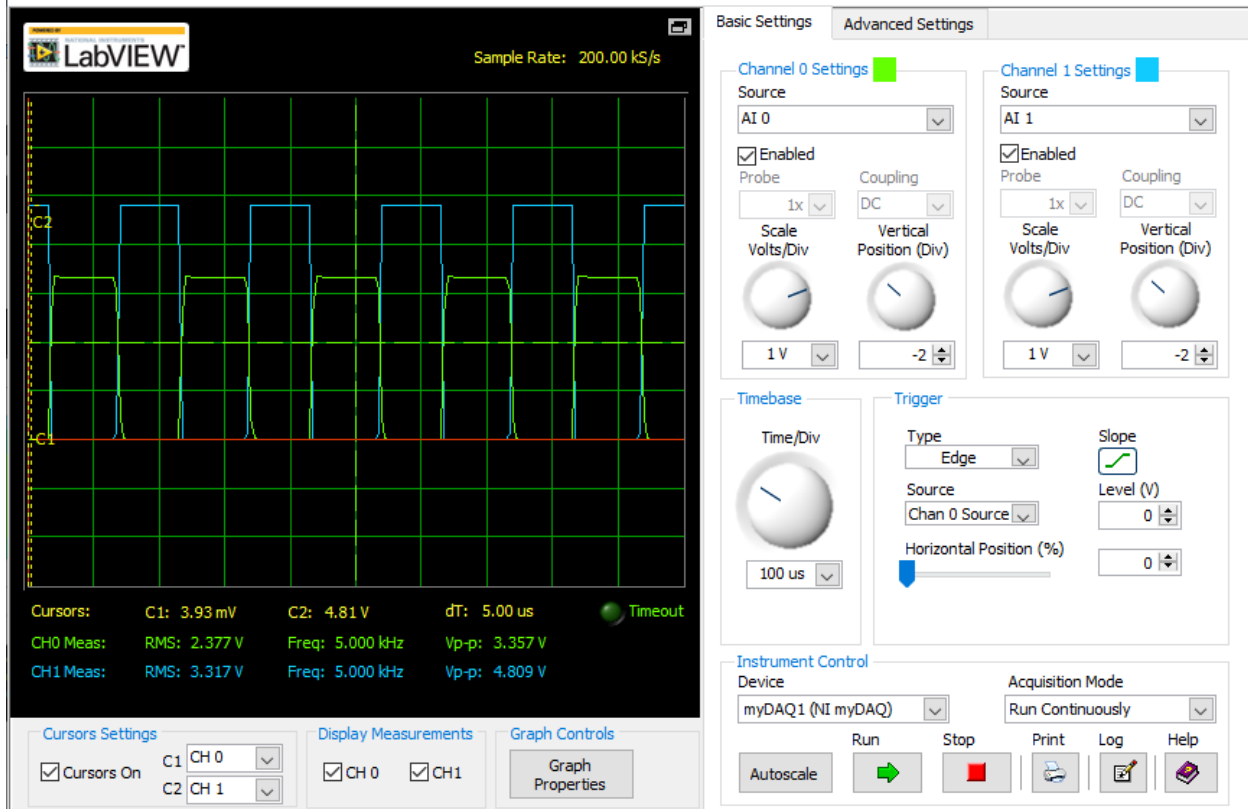


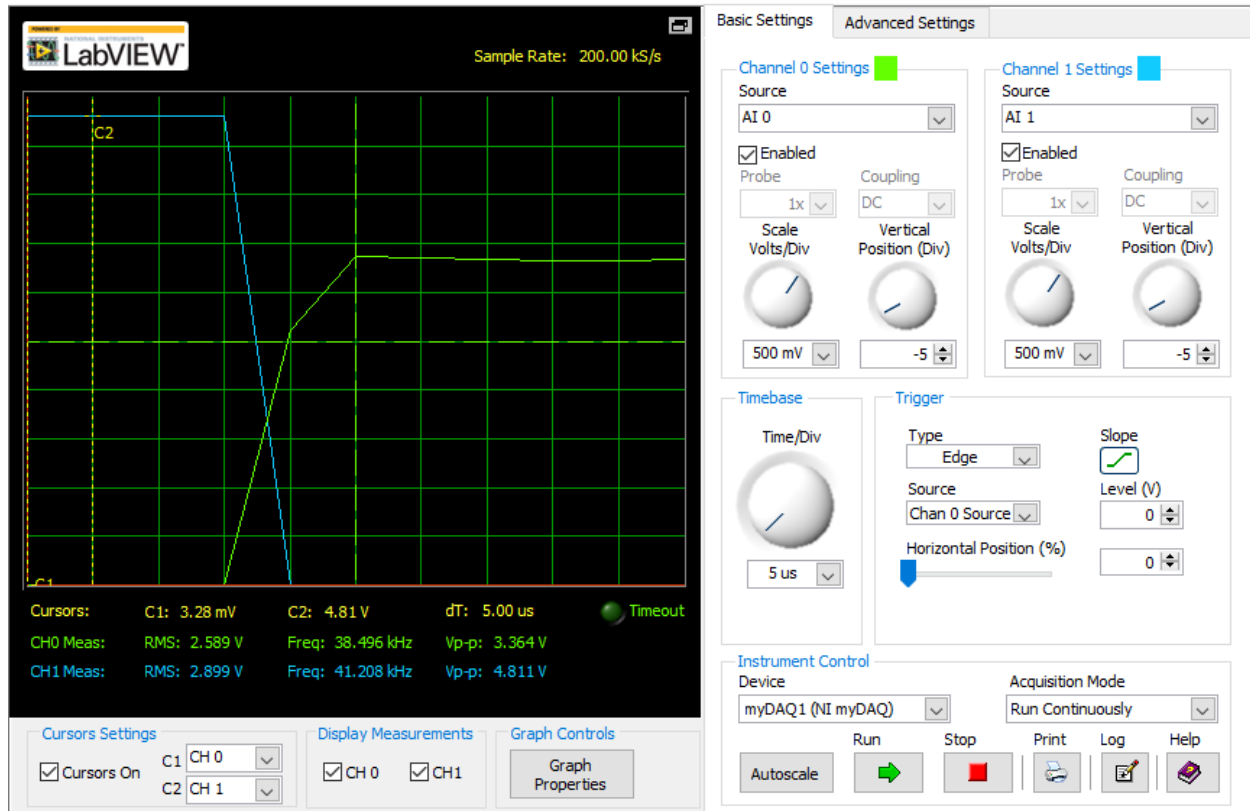
Stop



Help









Function Generator - NI ELVISmx


LabVIEW

5.0000 kHz

Waveform Settings







Frequency

200m

20k

5k Hz

Amplitude

0.0

10.0

5.00 Vpp

DC Offset

-5.0

5.0

2.50 V

Duty Cycle

50 %

Modulation Type

None

Sweep Settings

Start Frequency

100 Hz

Stop Frequency

5k Hz

Step

100 Hz

Step Interval

1000 ms

Instrument Control

Device


myDAQ1 (NI myDAQ)

Signal Route


AO0

☐ Manual Mode


Run




Sweep

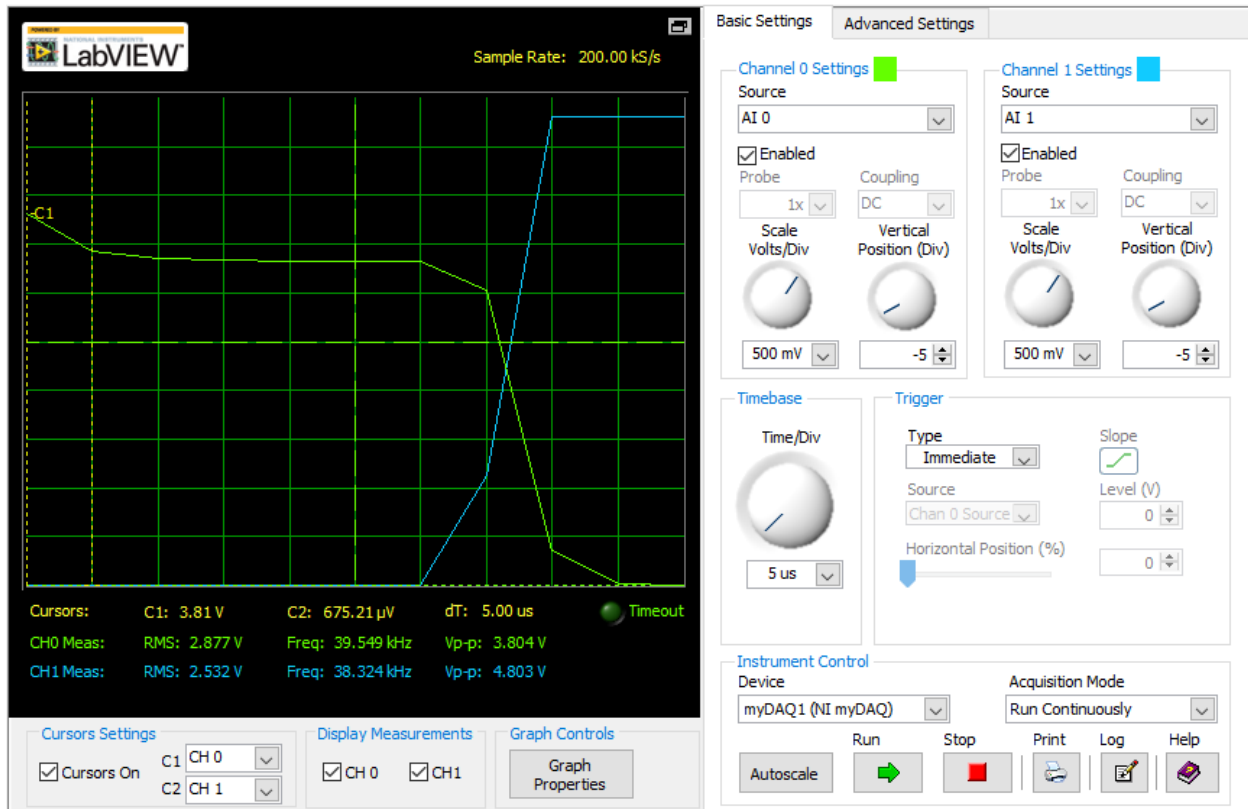


Stop



Help







5.0000 kHz

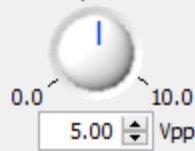
Waveform Settings



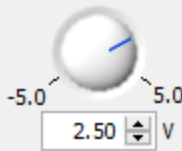
Frequency

200m 20k
5k Hz

Amplitude

0.0 10.0
5.00 Vpp

DC Offset

-5.0 5.0
2.50 V

Duty Cycle

50 %

Modulation Type

None

Sweep Settings

Start Frequency

100 Hz

Stop Frequency

5k Hz

Step

100 Hz

Step Interval

1000 ms

Instrument Control

Device

myDAQ1 (NI myDAQ)

Signal Route

AO0

☐ Manual Mode

Run



Sweep



Stop



Help



**5.0000 kHz**

Waveform Settings



Frequency

200m 20k
5k Hz

Amplitude

0.0 10.0
5.00 Vpp

DC Offset

-5.0 5.0
2.50 V

Duty Cycle

50 %

Modulation Type

None

Sweep Settings

Start Frequency

100 Hz

Stop Frequency

5k Hz

Step

100 Hz

Step Interval

1000 ms

Instrument Control

Device

myDAQ1 (NI myDAQ)

Signal Route

AO0

☐ Manual Mode

Run



Sweep

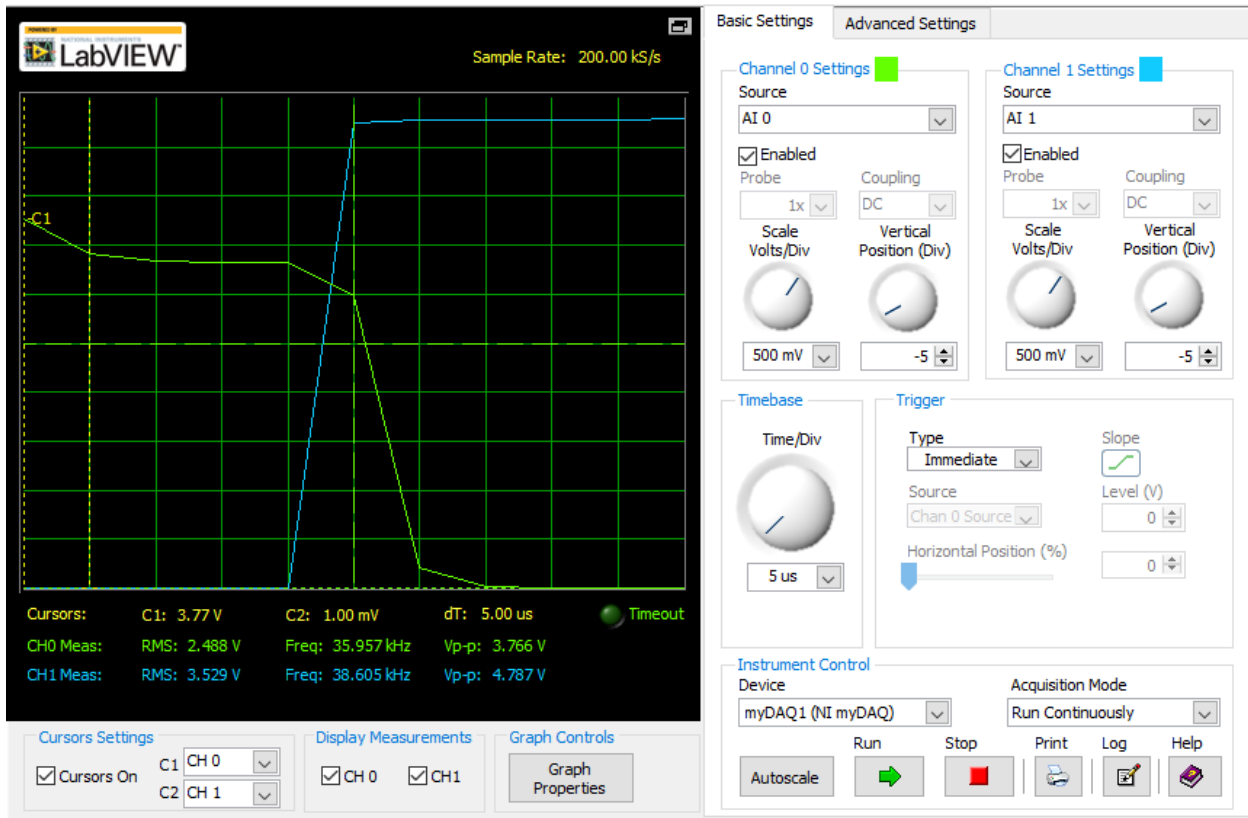


Stop

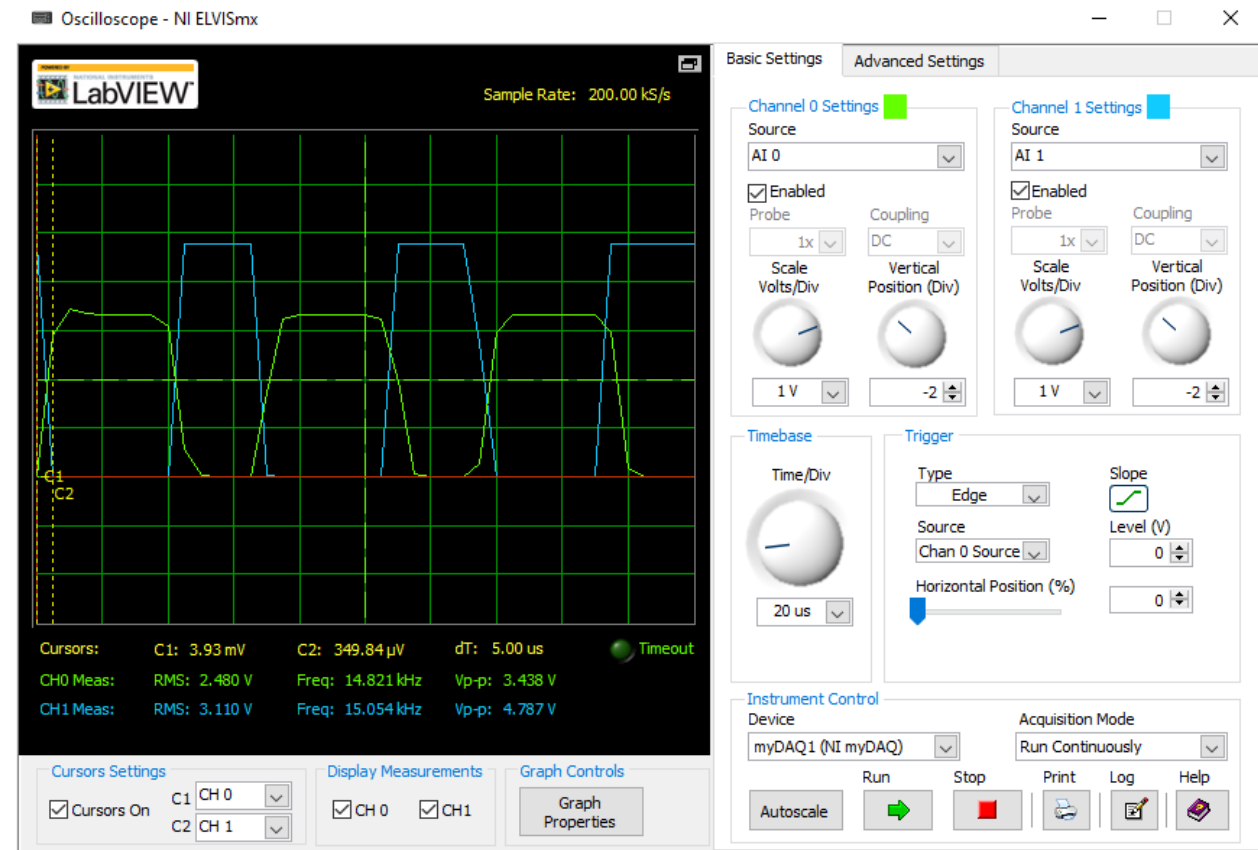


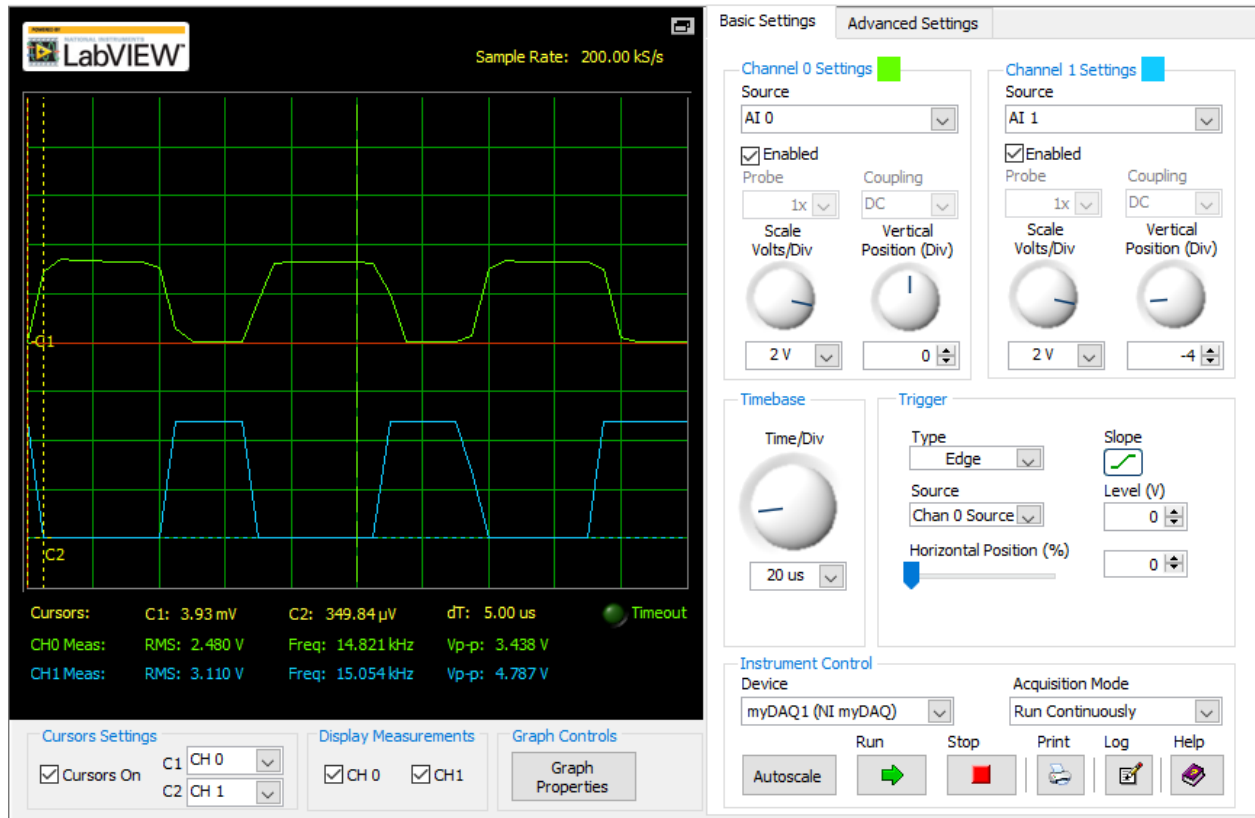
Help

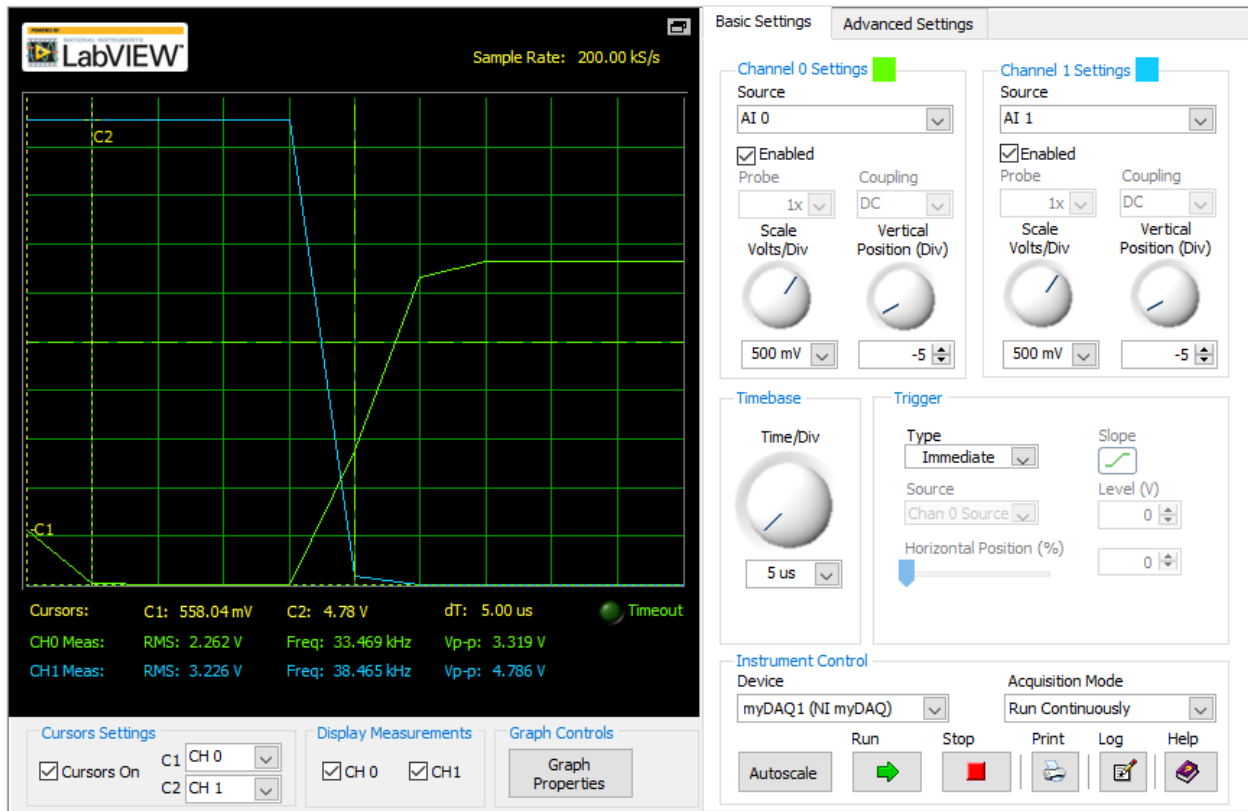


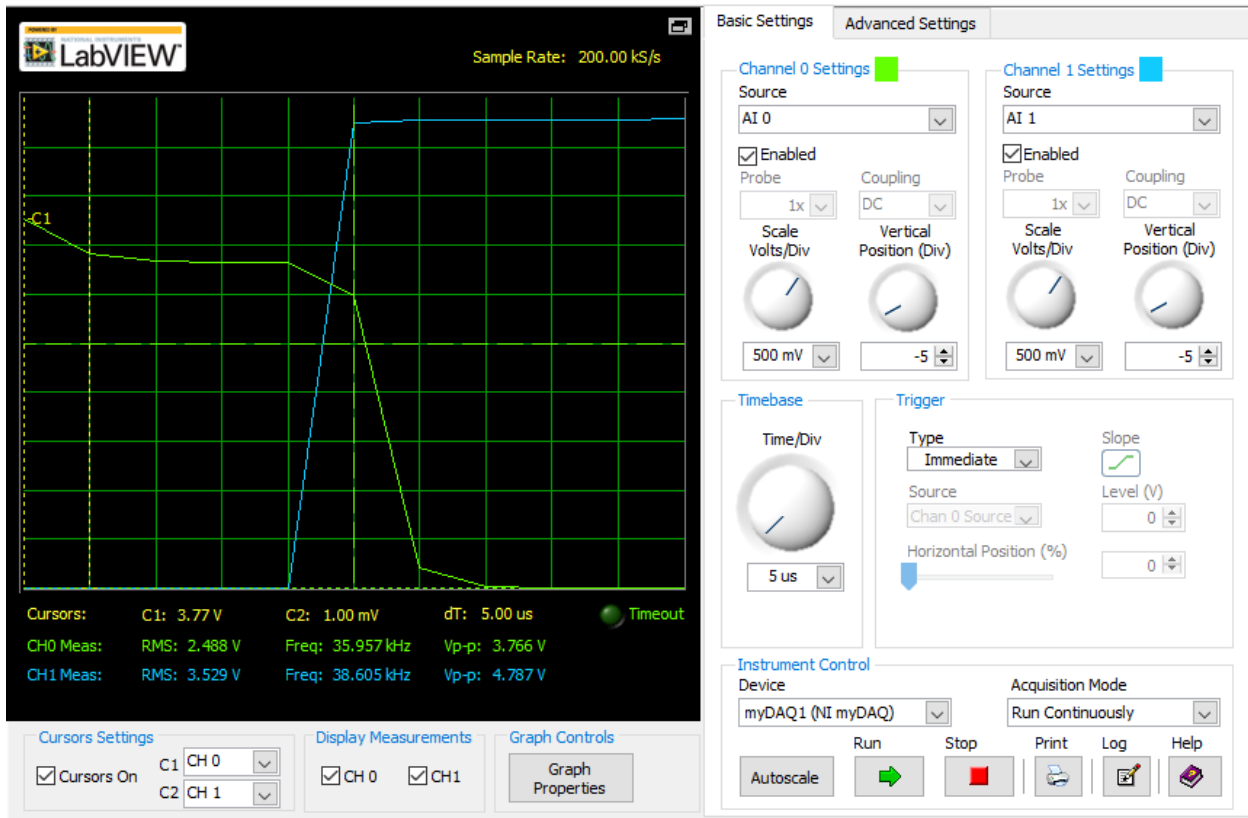


Case 4











15.0000 kHz

Waveform Settings



Frequency

200m 20k
15k Hz

Amplitude

0.0 10.0
5.00 Vpp

DC Offset

-5.0 5.0
2.50 V

Duty Cycle

50 %

Modulation Type

None

Sweep Settings

Start Frequency

100 Hz

Stop Frequency

15k Hz

Step

100 Hz

Step Interval

1000 ms

Instrument Control

Device

myDAQ1 (NI myDAQ)

Signal Route

AO0

☐ Manual Mode

Run



Sweep



Stop



Help



**15.0000 kHz**

Waveform Settings



Frequency

200m 20k
15k Hz

Amplitude

0.0 10.0
5.00 Vpp

DC Offset

-5.0 5.0
2.50 VDuty Cycle
50 %Modulation Type
None

Sweep Settings

Start Frequency

100 Hz

Stop Frequency

15k Hz

Step

100 Hz

Step Interval

1000 ms

Instrument Control

Device

myDAQ1 (NI myDAQ)

Signal Route

AO0

☐ Manual Mode

Run



Sweep



Stop



Help



**15.0000 kHz**

Waveform Settings



Frequency

200m 20k
15k Hz

Amplitude

0.0 10.0
5.00 Vpp

DC Offset

-5.0 5.0
2.50 V

Duty Cycle

50 %

Modulation Type

None

Sweep Settings

Start Frequency

100 Hz

Stop Frequency

15k Hz

Step

100 Hz

Step Interval

1000 ms

Instrument Control

Device

myDAQ1 (NI myDAQ)

Signal Route

AO0

☐ Manual Mode

Run



Sweep



Stop



Help

