FlowChart For SawTooth Wave

P/C Activity 6

Flowchart for Sawtooth wave

Step 1
- Configure and initialize ANSELA, TRISA, DAC1DATL.
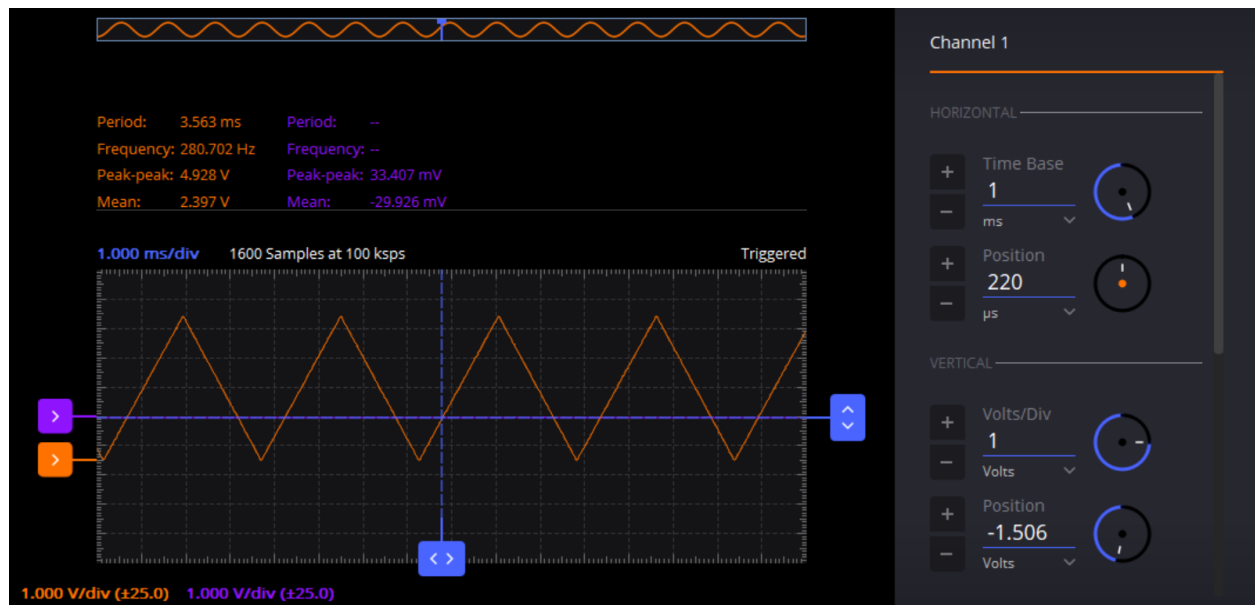
Step 4
- Increment DAC1DATL by 1. DAC1DATL will automatically Reset to zero after 255. Each DAC1DATL increment represents Step of $\approx 20mV$.
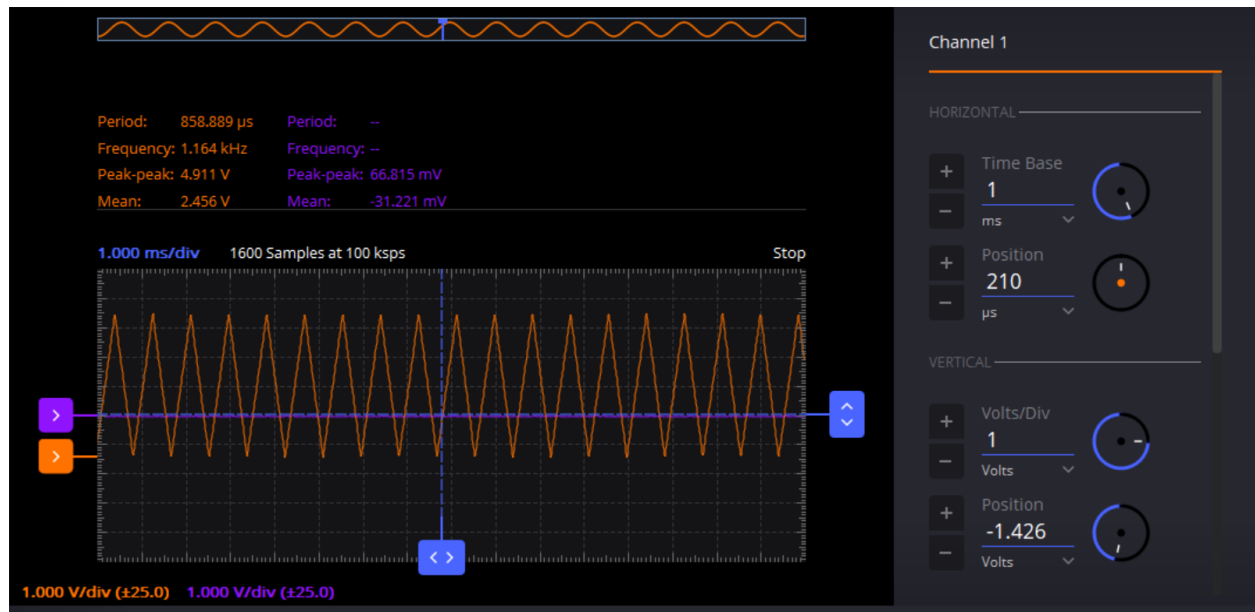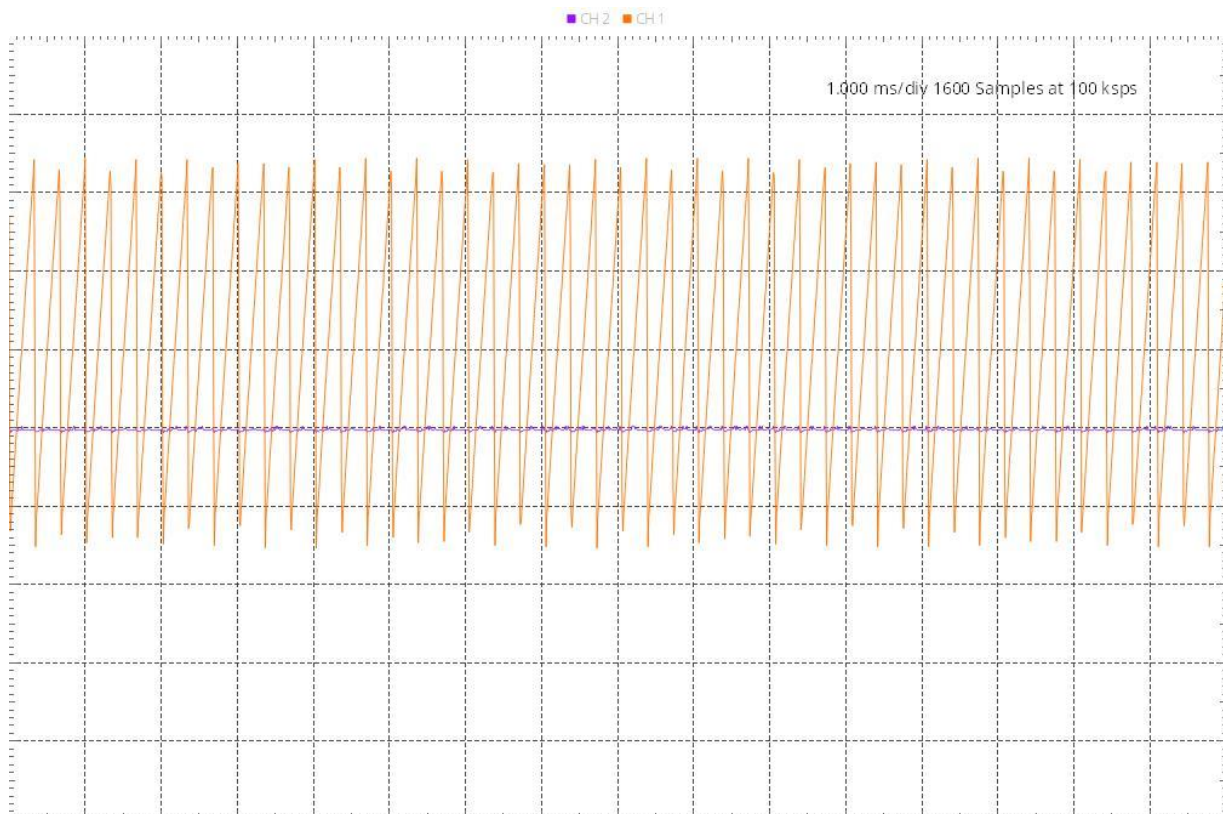
Screenshots of our progress
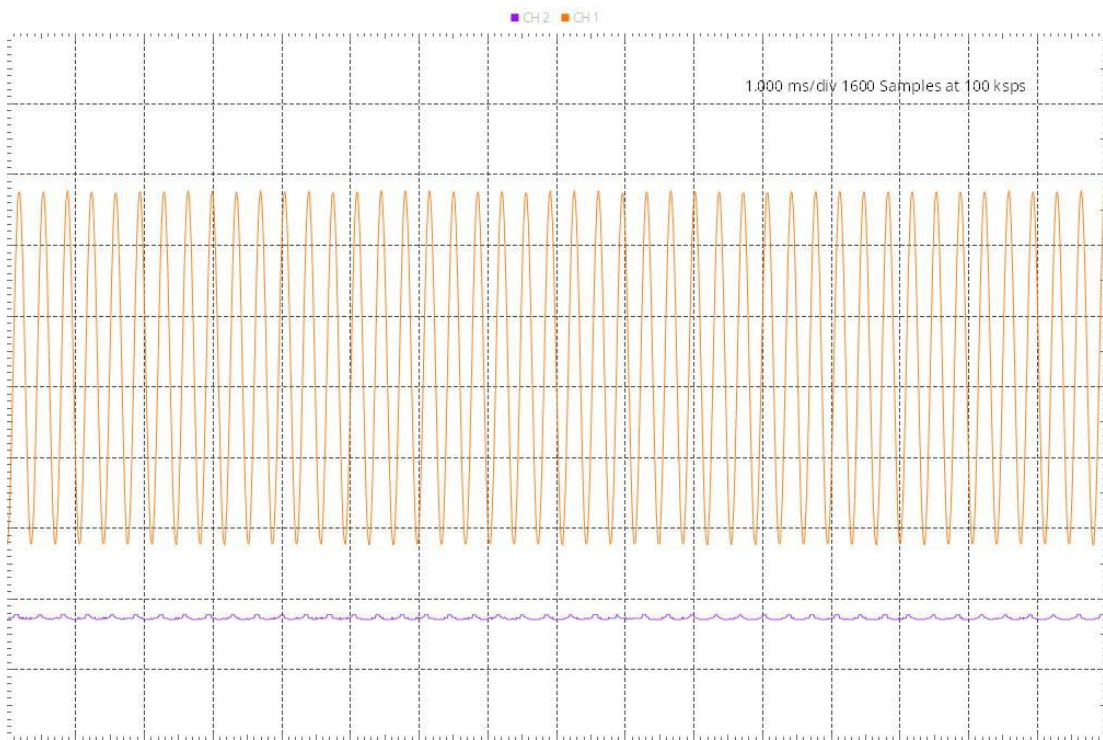
SAWTOOTH SIGNAL

SLOW Triangle Wave

Fast Triangle Signal

Channel 1

HORIZONTAL

Period:	858.889 µs
Frequency: 1.164 kHz
Peak-peak: 4.911 V
Mean: 2.456 V

Period:	--
Frequency: --
Peak-peak: 66.815 mV
Mean: -31.221 mV

1.000 ms/div   1600 Samples at 100 ksps   Stop

Time Base
1
ms

Position
210
µs

VERTICAL

Volts/Div
1
Volts

Position
-1.426
Volts

1.000 V/div (±25.0)   1.000 V/div (±25.0)

Steps by 64 Triangle Signal

CH 2   CH 1

1.000 ms/div 1600 Samples at 100 ksps

LARGE Frequency Sinusoid

Approx 1Khz Frequency