

Effect of changing sweep voltage, rise time for a scanning Fabry-Perot interferometer (Thorlabs SA200) and time base settings of the oscilloscope All of the measurements are taken from a 633 nm He-Ne laser

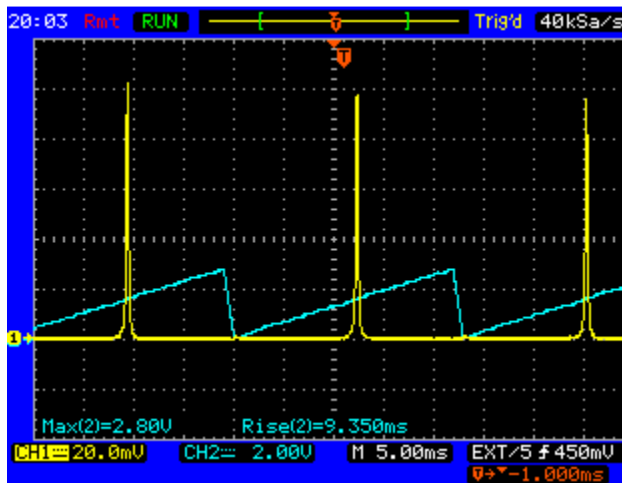
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Sweep Voltage: 2.8V

Rise Time: 9.3ms

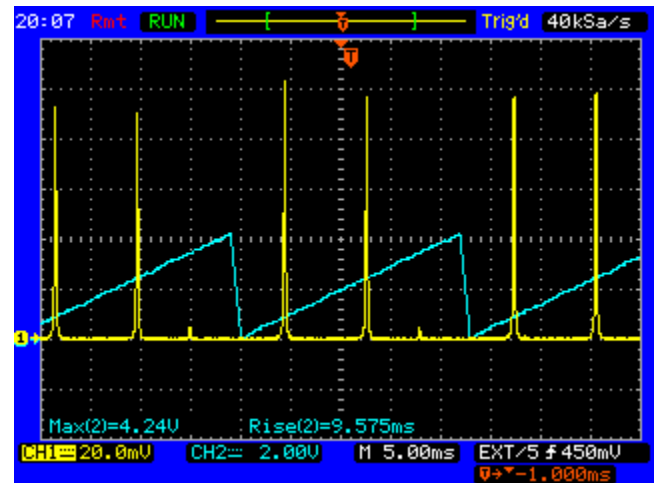
Time base (Sec / div): 5.0ms



Sweep Voltage: 4.2V

Rise Time: 9.6ms

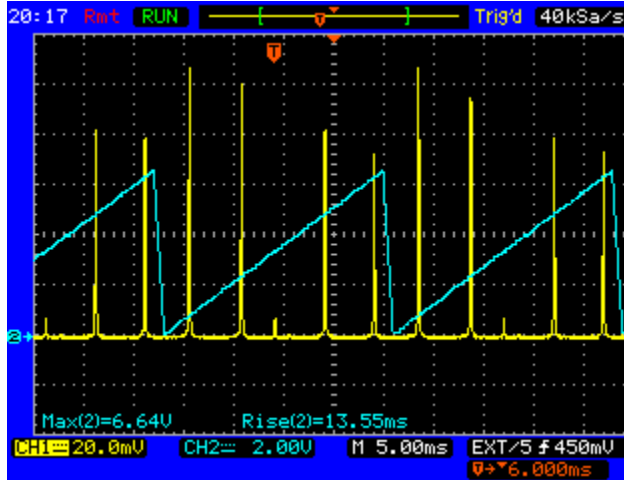
Time base (Sec / div): 5.0ms



Sweep Voltage: 6.6V

Rise Time: 13.6ms

Time base (Sec / div): 5.0ms



Sweep Voltage: 12.8V Rise Time: 16.4ms

Time base (Sec / div): 2.5ms The two peaks labeled

a in the figure below are separated by the FSR.

