Triggering

Make sure that the triggering mode switch is set to P-P Auto. Set the frequency in the function generator to 1.0kHz. Make sure the triggering function is set on CH 1 and the slope is set for a positive slope. Turn the trigger LEVEL knob clockwise to increase the trigger LEVEL knob clockwise to increase the trigger LEVEL. Record all relevant observations in your notebook.

EXPERIMENT RESULTS

The first of the experiment shows mainly how the user can control the sweep and turning the SEC/DIV knob counter-clockwise sees this and the beams from both channels 1 and 2 are thus seen to move across the CRT very slowly. Changes were also observed on the CRT face as the user turn the knob to CHOP and ALT. On ALT, the beams from both channels move alternatively across the CRT and on CHOP, the beams move across the CRT at the same pace.

The second part of the procedure deals with measuring the peak-to-peak voltage. Counting the number of divisions from the bottom of the waveform to the peak of the waveform and multiplying this value of the VOLTS/DIV at the 1X marker for CH 1 measure the peak-to-peak voltage. The peak-to-peak voltage was measured by multiplying the 2Volts/div by the number of divisions, which were 6+0.001. The peak-to-peak voltage is 12+0.001 volts. The central knob ccw was then turned out of the CAL position and the waveform was observed. The waveform was attenuated when this procedure was done. The function generator is then set to much lower amplitude and the