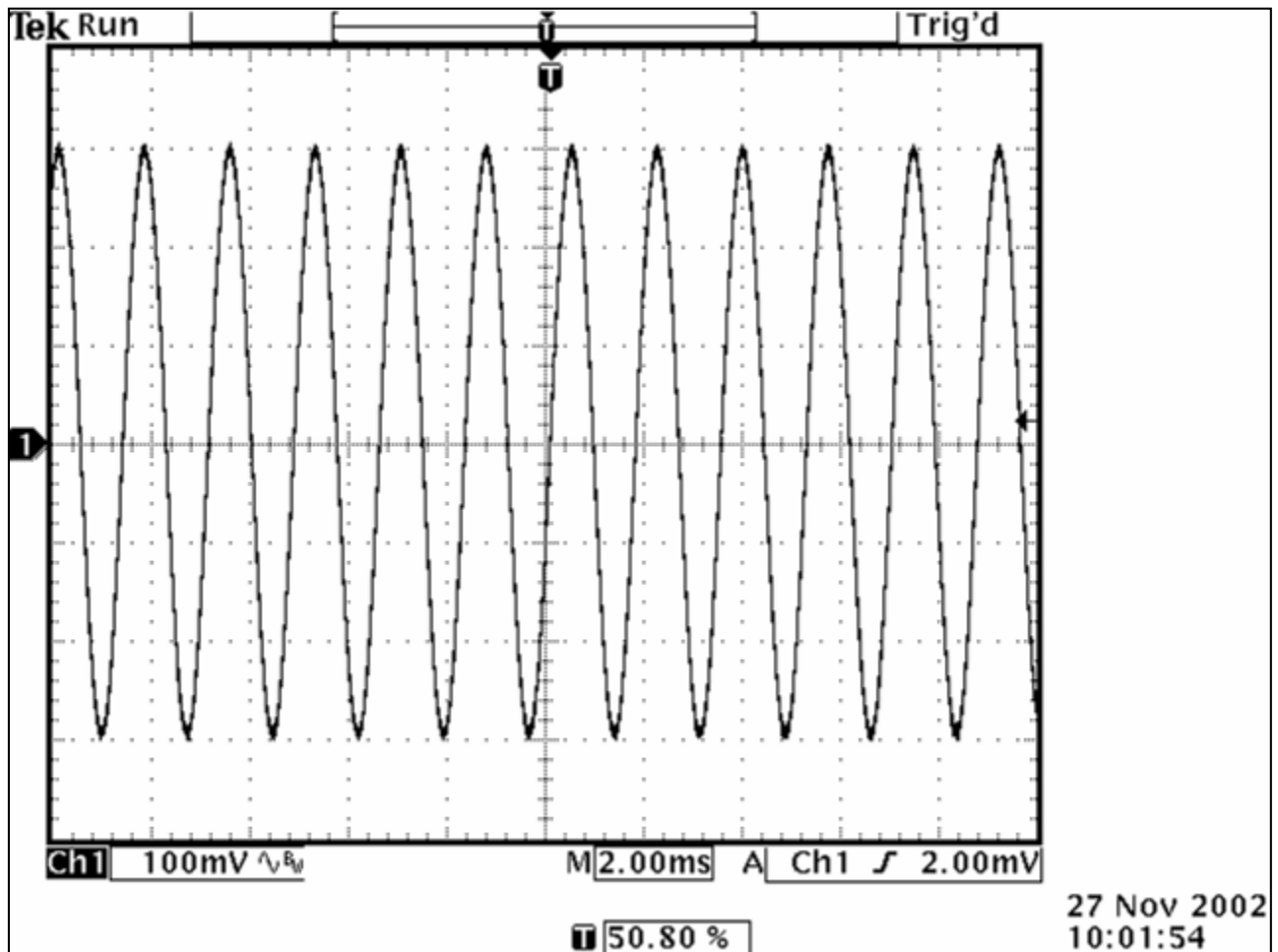


Oscilloscope View #1:



Always include UNITS.

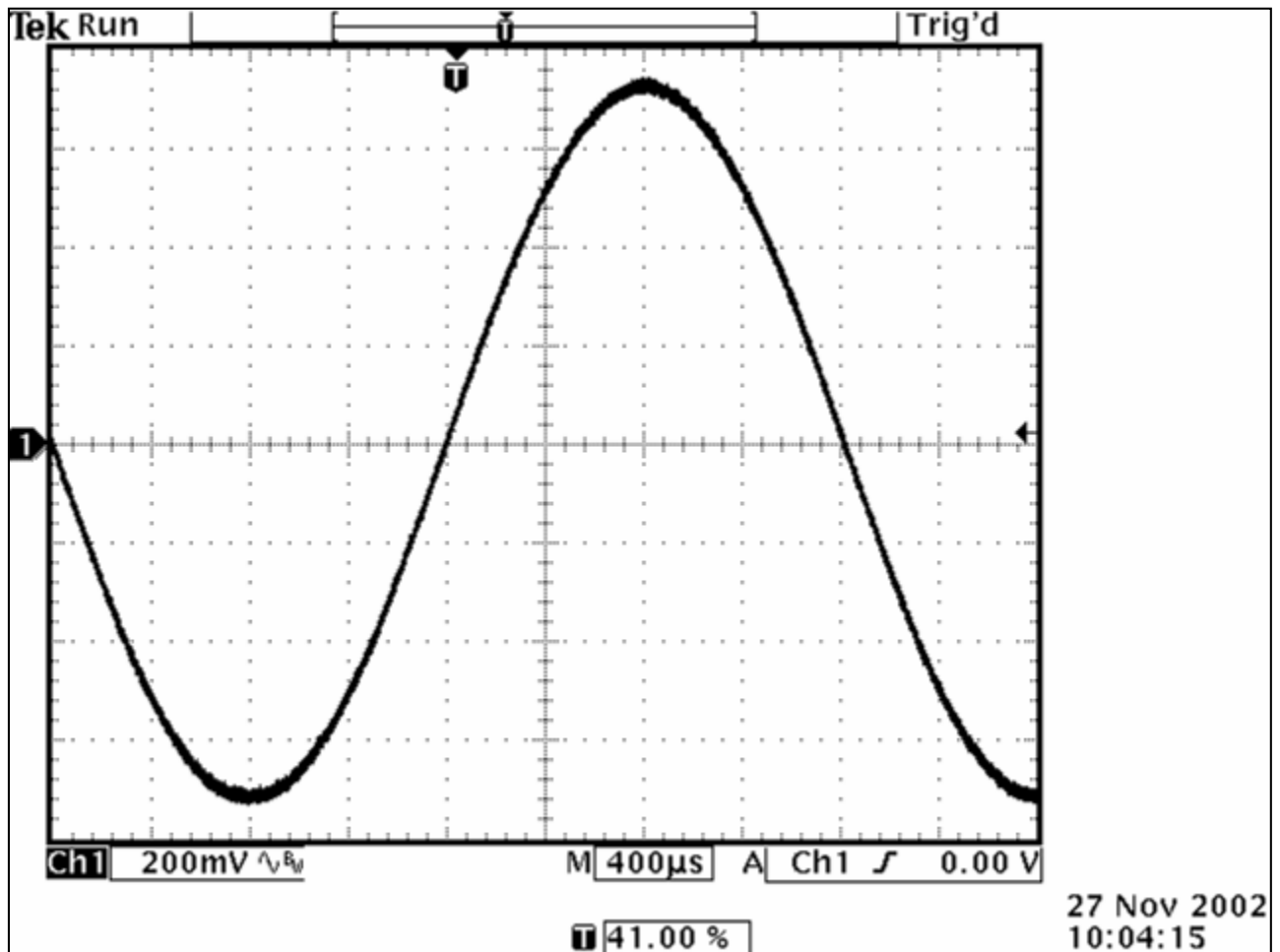
Vertical scale is **100mV** per division.

Waveform peak-to-peak is: **6 divisions @ 100mV = 600mV**.

Waveform period is: **11 cycles in 9.6 divisions @ 2ms. Period = 19.2ms / 11 cycles = 1.75ms**.

Waveform frequency is: **1/period = 1/1.75ms = 571Hz**.

Oscilloscope View #2:



Always include UNITS.

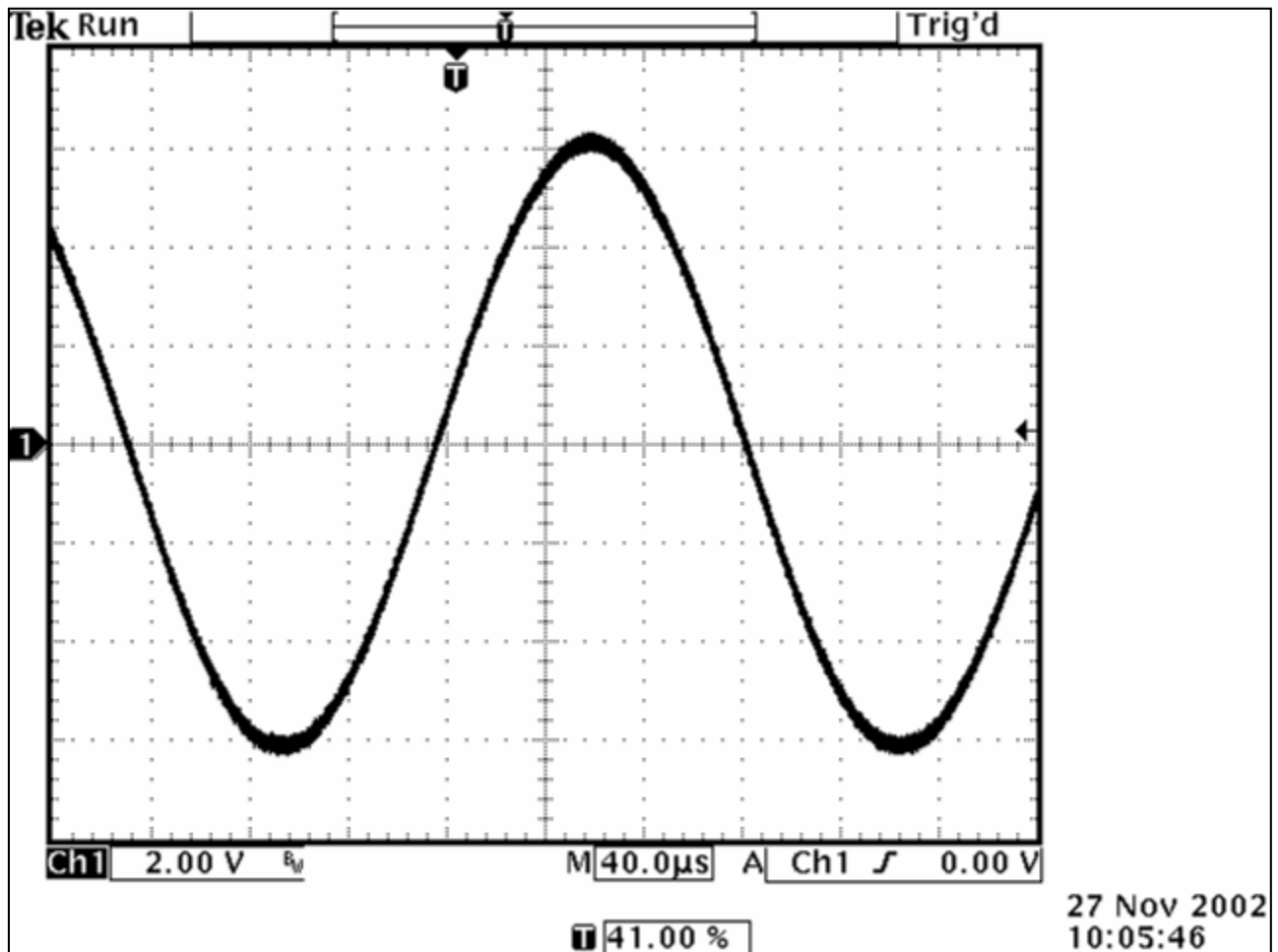
Vertical scale is **200mV** per division.

Waveform peak-to-peak is: **7.2 divisions @ 200mV = 1.44V**.

Waveform period is: **8 divisions @ 400µs = 3.2ms**.

Waveform frequency is: **1/period = 1/3.2ms = 313 Hz**.

Oscilloscope View #3:



Always include UNITS.

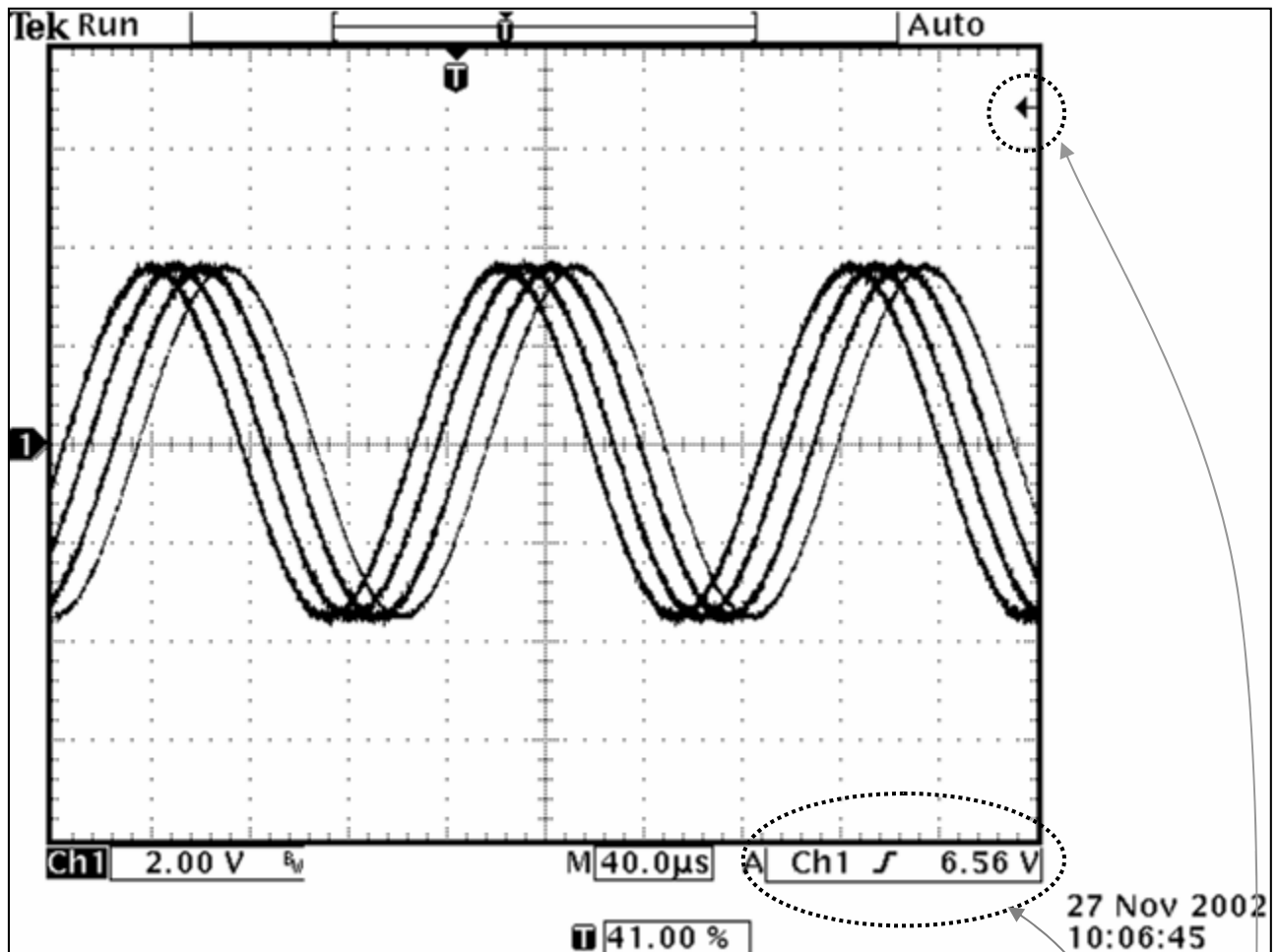
Vertical scale is 2V per division.

Waveform peak-to-peak is: **6 divisions @ 2V = 12V**.

Waveform period is: **6.25 divisions @ 40μs = 250μs**.

Waveform frequency is: **1/period = 1/250μs = 4kHz**.

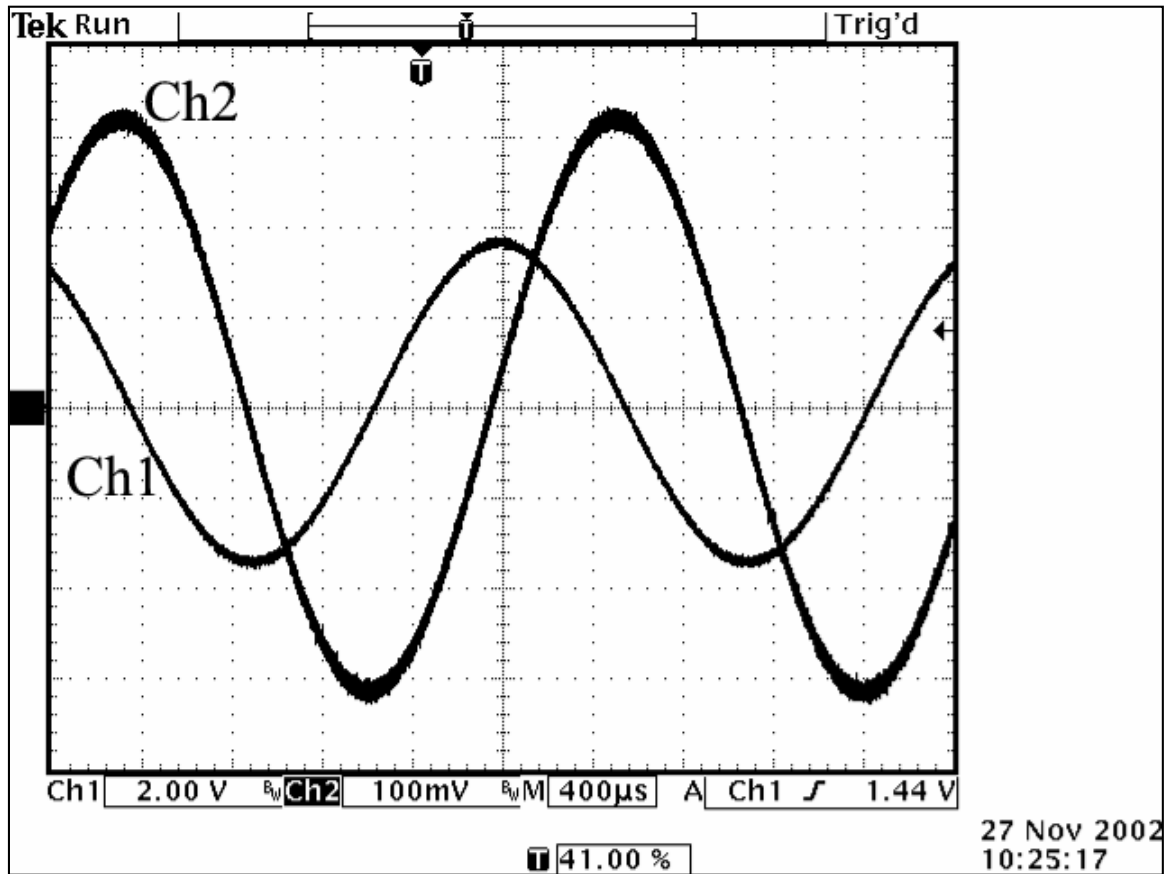
Oscilloscope View #4:



The waveform is sliding sideways across the screen and does not stay in one place. Look at the oscilloscope settings and identify what is causing the rolling display.

Trigger is set to channel 1 (correct), but the trigger level is too high (6.56V). The trigger info is displayed in the lower right hand corner of the display. Also, the trigger level is indicated by the arrow symbol along the right edge of the display; note that in this case it is much higher than the peak of the waveform.

Oscilloscope View #5:



Vertical scale for Ch1 is 2V per division.

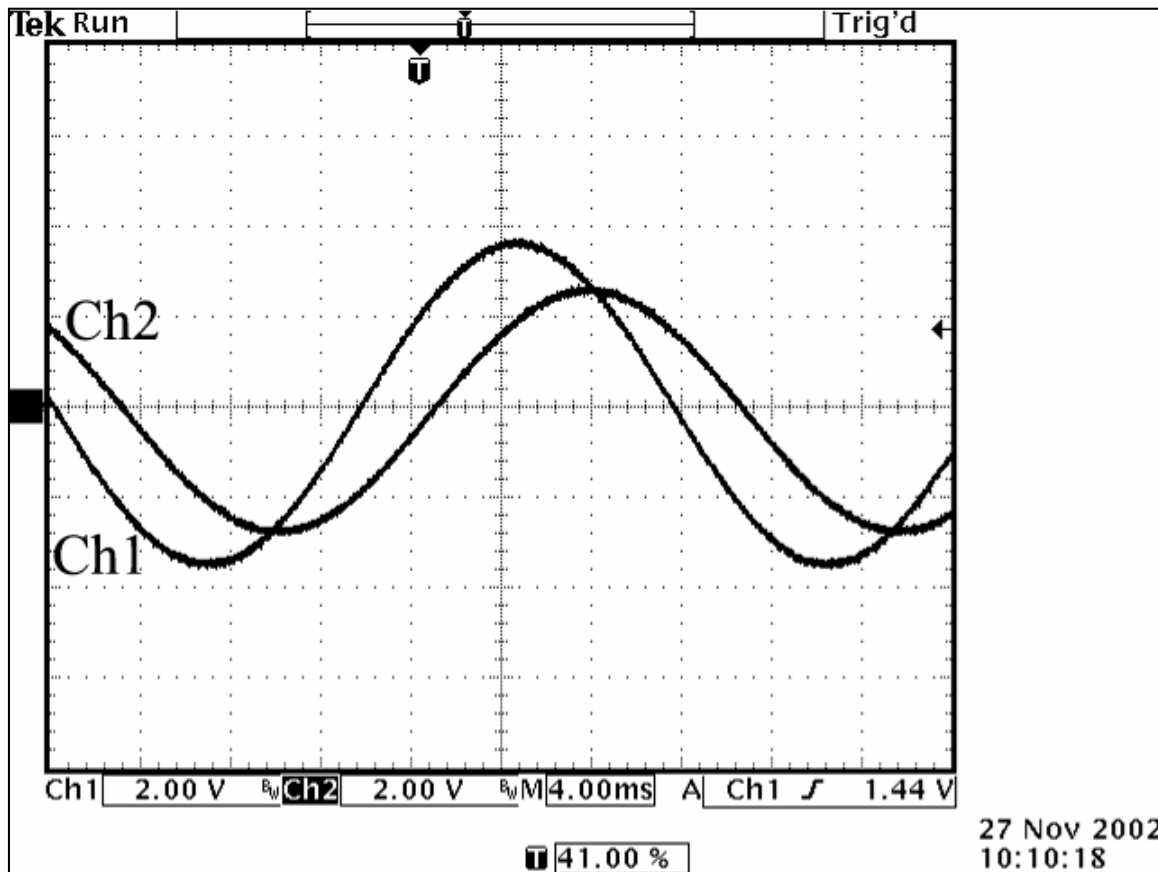
Vertical scale for Ch2 is 100mV per division.

Ch1 waveform peak-to-peak is: **3.5 divisions @ 2V = 7V**.

Ch2 waveform peak-to-peak is: **6.4 divisions @ 100mV = 640mV**.

Ch1 leads Ch2 by this amount of time: **1.2 divisions @ 400µs = 480µs**.

Oscilloscope View #6:



Vertical scale for Ch1 is 2V per division.

Vertical scale for Ch2 is 2V per division.

Ch1 waveform peak-to-peak is: **3.5divisions @ 2V = 7V**.

Ch2 waveform peak-to-peak is: **2.7 divisions @ 2V = 5.4V**.

Ch1 leads Ch2 by this amount of time: **0.85 divisions @ 4ms = 3.4ms**.