

## Getting to know the LSA: Addendum

### Introduction

When viewing waveforms, it may be easier to view them when they are generated from a STATE LISTING. By default, when you press DISPLAY after acquiring data, the waveforms that are shown are generated by the LSA sampling the incoming data. This sampling is NOT based on the clock connected to the LSA. Thus, these waveforms are NOT generated from the state listing data. Because the LSA samples the data faster than the system clock (the clock that you connect), the LSA may not show as much data as is shown in the state listing. There is however, a way to force the LSA to generate waveforms based on the state listing data. Please refer to Figure 1 and the steps following to generate waveforms based on state listing data.

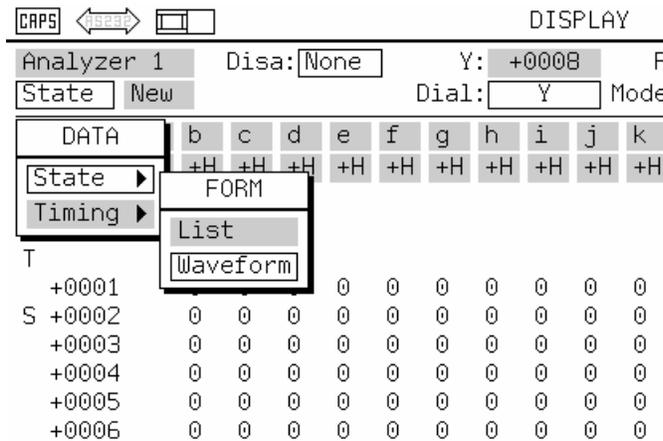


Figure 1: Portion of the DISPLAY screen of the LSA.

1. Highlight the word STATE underneath the word ANALYZER in the upper left-hand corner of the LSA screen. Please see Figure 1 above. Press Select. The DATA menu now should appear with the options STATE and TIMING. Select STATE and then press Select. The FORM menu now appears that lets the user choose what form the data should take. Highlight WAVEFORM and press Select.
2. You should now see waveforms based on the state listing data rather than the timing data.

NOTE: When the DISPLAY button is pressed, it TOGGLES between the view you currently set and the one that you were previously looking at. For example, when DISPLAY was first pressed, it showed a STATE listing. When you changed the view to show state waveforms (steps 1 and 2 above), this becomes the “new” view. Pressing DISPLAY toggles between this and the previous display (the state listing in this case).