

This measurement should be made at the end of a 100' drop without a bandpass filter. The 100' drop is per FCC specifications and they require a level of at least 3 dBmV on each analog video carrier. The drop will also attenuate the high frequencies more than the lower frequencies.

Connect the cable to the spectrum analyzer as shown in Figure 1.

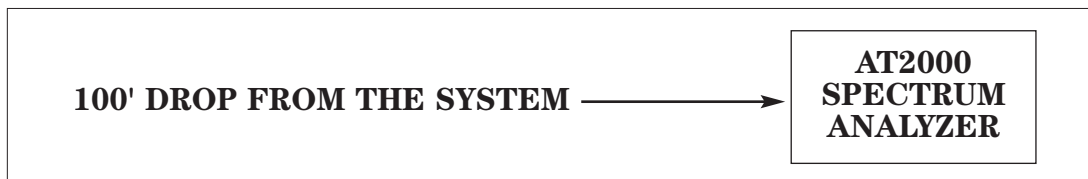


Figure 1

From the turn on condition of the analyzer, follow the steps below.

1. Press the menu key and choose the TV channel mode and press ENTER. A screen showing bar graphs of the visual and aural carrier will be displayed.
2. Press the frequency hard key then the video carrier soft key. Notice this highlights the CHV field in the upper part of the display and waits for an entry in the lower part of the display. Enter a channel number and then press the ENTER key.*
2. Press ESCAPE, then press the attenuator hard key and set the attenuation so that the video bar is within the upper half of the display as shown in Figure 2.
4. The absolute and relative values of the video and audio carrier frequency and amplitude are displayed on the bottom of the screen.

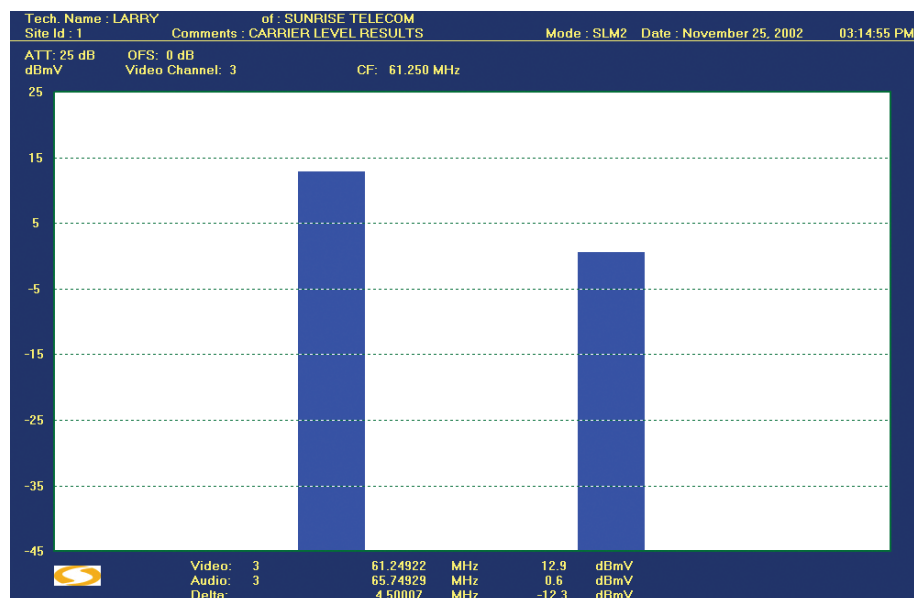


Figure 2

* The desired channel must be active in the instrument's channel plan.