Composite Color Monitors: Why They Display 80-Column Text Poorly

This article last reviewed: 21 January 1988

80-column text is usually difficult to read when displayed on a composite color monitor.

The major problem is the bandwidth of the monitor: to properly display 40-column monochrome information requires a minimum of 4 MHz bandwidth. Television receivers are near the bottom end at 4.5 MHz. Monochrome monitors are usually specified with a bandwidth of 12 MHz, for sharpness with an 80-column display. If color information is displayed too, the minimum bandwidth doubles, to 24 MHz. The problem with many televisions that have direct video inputs is that they are still limited to the television bandwidth of 4.5 MHz, which is inadequate for displaying 80-column information.

Keywords: <None>

==========

This information is from the Apple Technical Information Library.

19960215 11:05:19.00