

Except in the VHO mode, the fm output of the modulator, the record rf, is controlled by the rf gate signal applied by the control logic PWA. This signal enables the record rf output when the record mode is entered. In VHO mode, the modulator output is under the control of the VHO gate signal generated by the VHO decoder circuit in the monitor switcher and color framing PWA. The VHO gate enables the record rf output from the modulator only when the video head tip chosen to be optimized via the OPTIMIZE switch on the maintenance panel is in contact with the tape.

the head channel former-coupled to the tips on the video head. In the record mode, four relays in the preamplifier are energized, causing three turns of the stationary winding of the rotary transformer to carry the record current. The relays are activated by signals from the control logic PWA. In the VHO (video head optimization) mode, a mode wherein only one head tip is in the record mode and the other three are in the playback mode, the control logic PWA energizes only the relay associated with the head tip to be optimized.

Table 5-1. Carrier Frequencies and Deviations

STANDARD	WHITE LEVEL DEVIATION FREQUENCY (MHz)	BLANKING LEVEL CENTER CARRIER FREQUENCY (MHz)	SYNC TIP DEVIATION FREQUENCY (MHz)
525 High Band	10.0	7.90	7.06
525 Low Band	6.8	5.0	4.28
525 Low Band Color	6.5	5.786	5.0
625 High Band	9.30	7.80	7.16
625 Low Band	6.8	5.5	4.95