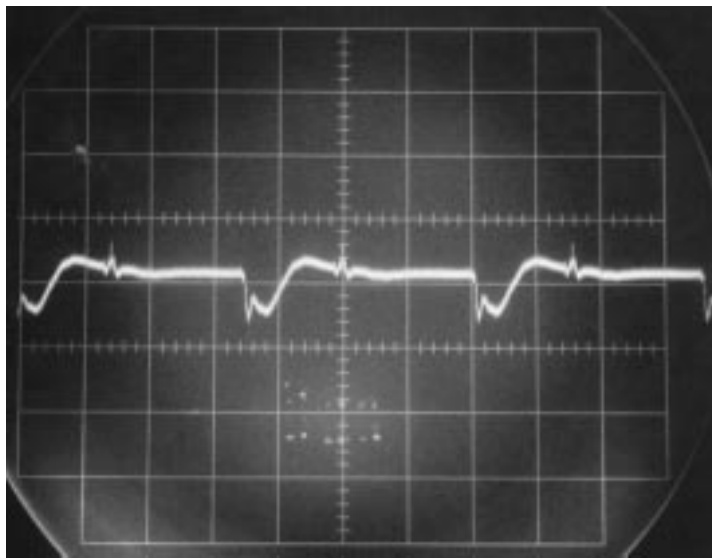


Figure 10

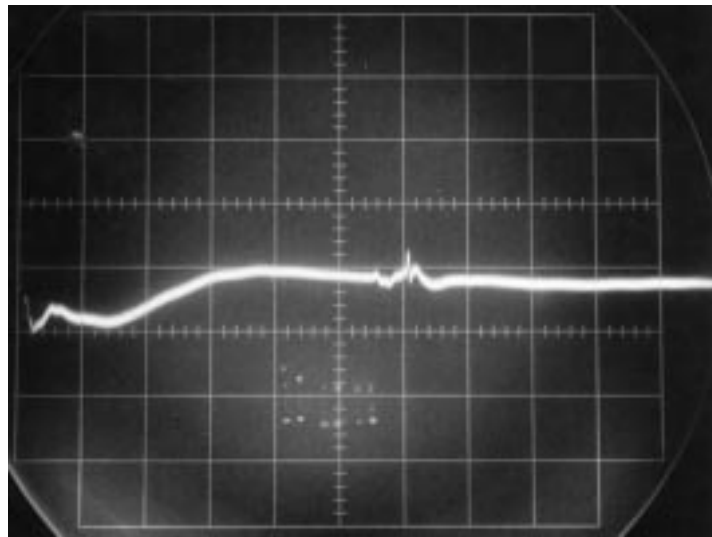
0.001V/DIV
AC COUPLED



(a)

2 μ SEC/DIV

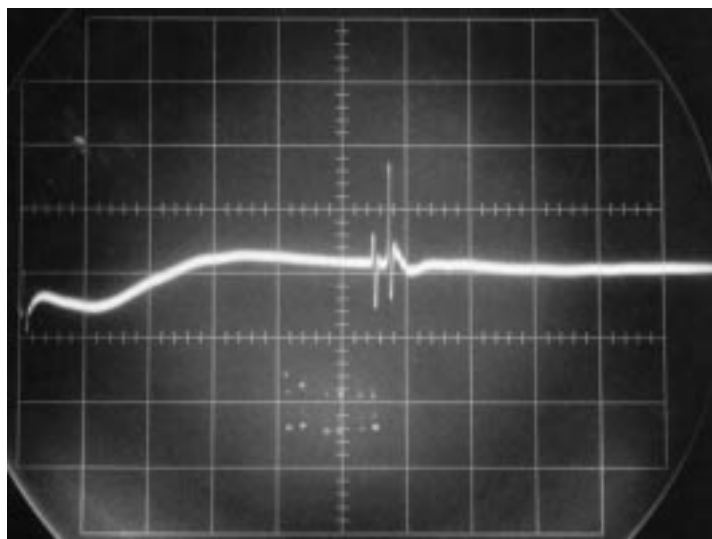
0.001V/DIV
AC COUPLED



(b)

500 nSEC/DIV

0.001V/DIV
AC COUPLED



(c)

500 nSEC/DIV

With an LC filter in use, 5V-supply reflected ripple measures 1 mV, and switching-edge-related harmonic content is small due to the slew-limiting action (a). Horizontal expansion shows that the high-frequency-harmonic amplitude with slew limiting is 500 μ V, or approximately one-third the amplitude of Figure 9b (b). Without slew limiting, harmonic-content, amplitude rises to 2.2 mV, which is a 4.4-times degradation (c).