

Abstract

A television system includes a picture tube beam current limiting arrangement which operates to reduce image contrast without affecting image brightness when the beam current exceeds a first threshold. However, if the user brightness control setting exceed the nominal (midrange) brightness control level, the image brightness is reduced when the beam current exceeds a second threshold which may be equal to or greater than the first. The image brightness is reduced only until the image brightness is within a small margin of the nominal image brightness level. Any further beam current limiting, for example to account for abnormal operating conditions of the television system, is accomplished by further brightness reductions.

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This Sheet Has Been Replaced

