Tested By: Ed Wood Date: 14 Feb 07

VISUAL TRANSMITTER FREQUENCY RESPONSE MEASUREMENTS

The test equipment configuration of Figure 1 was used with the 1410 video generator supplying the video input waveform. For this test, the aural carrier was left energized. A variable frequency sine wave sweep of 90 IRE Peak-to-Peak amplitude from 100 kHz to 6.0 MHz with pedestal set at 52.5 IRE input video waveform was used. The modulation output was increased until the maximum excursion reached reference white and 10 IRE as shown in the photos in Fig. 4 and Fig. 5 below. The RF sideband output level was measured for the sidebands below and above the visual carrier. The frequency response was displayed on the HP Spectrum Analyzer. The spectrum plot, showing markers at the Visual Carrier and at 4.75 MHz (51 dB down from Visual Carrier), is displayed in Fig. 6 to confirm that the radiated envelope meets the requirements as outlined in FCC Part 74 Rule 750.

FREQUENCY RESPONSE INPUT WAVEFORMS

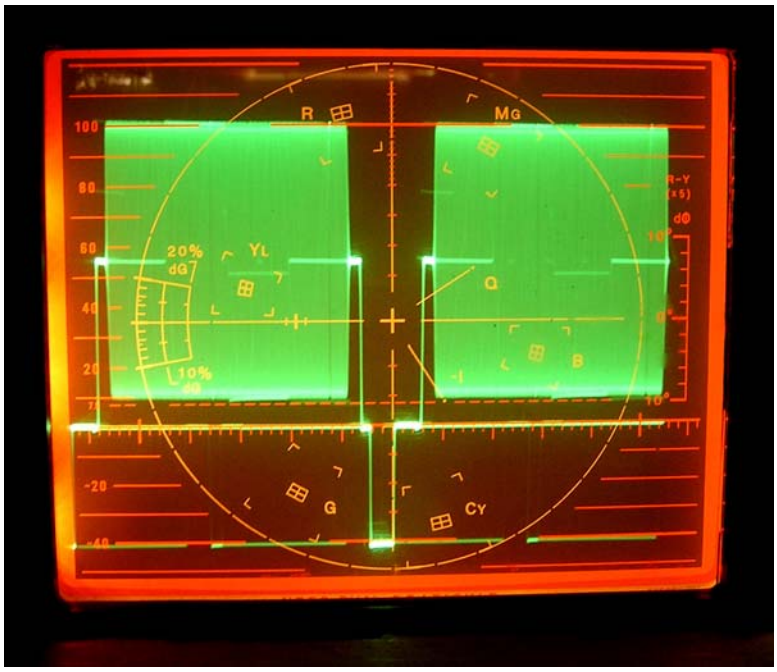

Fig. 4 - Two (2) Horizontal Lines

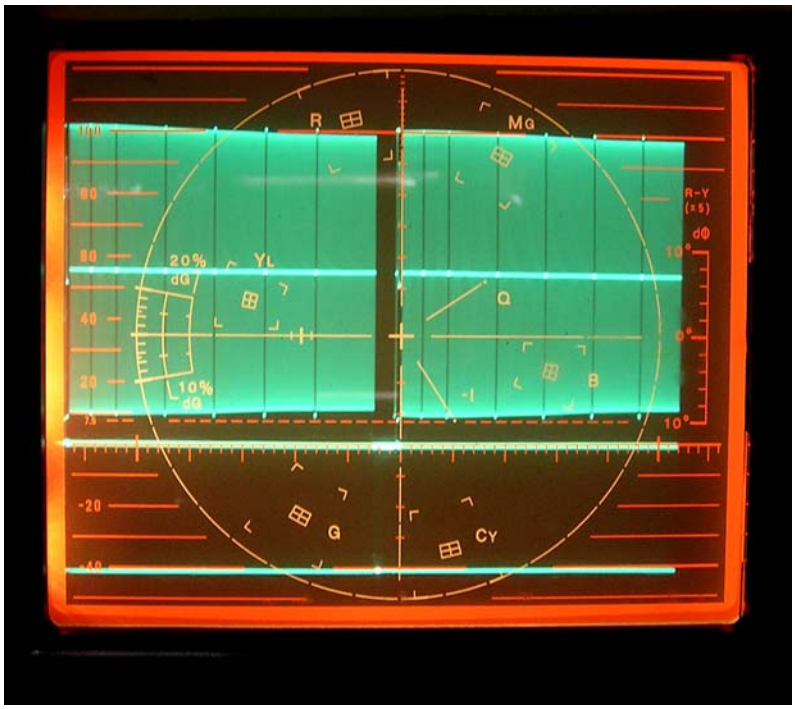

Fig. 5 – Two (2) Fields

The photograph of the spectrum analyzer display below demonstrates compliance with FCC 74.750.

Fig. 6