

4. OCCUPIED BANDWIDTH MEASUREMENTS

The test equipment was configured as in Figure 1. The aural carrier was energized and increased in power until the desired visual to aural ratio of 13dB (5%) was met. The visual waveform used was a 0 IRE video input level from the TSG-90 and the aural input signal was a 15kHz sine wave taken from the HP339A Distortion Measurement Set. The aural deviation was increased until the desired level (85% of 25kHz = 21.25 kHz) was indicated by the HP339A Distortion Measurement Set monitoring the calibrated deviation output (25mV/kHz) of the MSI 320 Precision Video Demodulator. The output spectrum was observed on the HP8590B Spectrum Analyzer noting the requirements as identified in FCC Rule Part 2.1079. As can be observed, the output waveform meets these requirements.

OCCUPIED BANDWIDTH- POWER OUTPUT = 5.0 kW_{ps}
(Scan width = 200kHz)

