

INTERFERENCE CONSIDERATIONS
FOR
AMENDED W36BE, STATE COLLEGE, PA. FLASH CUT DTV APPLICATION

The instant proposal specifies the same UHF channel, site, antenna height and antenna as for the authorized analog operation. Thus, the proposal is for a minor change according to FCC criteria. The maximum effective radiated power for the digital operation is 0.205 kW. A transmitter with a 5 watt average power output rating will be employed. The proposed effective radiated power is well below the 15 kW maximum that is permitted for a UHF translator.

Interference studies have been conducted for the proposed facility using the Techware implementation of the FCC's "tv_process_dlptv" program. A Sunblade computer was employed with no changes in the FCC default settings. The study reviewed the potential impact of the proposed operation on a total of twenty-eight, co-channel, adjacent channel, and, where appropriate, taboo channels for full service TV and DTV stations; and translator, LPTV and Class A stations. The 1990 Census was used as a reference. The study results revealed that the proposed operation would not cause interference to any station.