

Engineering Statement and Interference Analysis

This technical statement supports this application to modify WPCP-CD on channel 27 at New Castle, PA, Facility ID 68400.

The proposed facility was studied using the Techware's tv_process_2010 software on a Sun Blade 1500 using the post transition database and the 2000 US Census. In this application, the Applicant proposes to modify the site, the antenna and significantly lower the maximum ERP. The proposed maximum ERP (0.6 kW) is only 8% of the existing construction permit's maximum ERP (7.5 kW). The Applicant requests that the Commission processes this application using the following Longley-Rice analysis settings:

- Cell Size for Service Analysis of 1.0 km per side
- Distance Increments for Longley-Rice Analysis of 0.2 km

Digital TV Station Protection

The proposed facility causes less than 0.5% interference to surrounding digital assignments and allotments and facilities (i.e., "*de minimis*"). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC's interference standards.

Class A, Low Power TV and TV Translator Station Protection

The proposed facility causes less than 0.5% interference to surrounding low power assignments and allotments (i.e., "*de minimis*"). It is believed that the proposed operation is in compliance with the spirit and intent of the FCC's interference standards.

This application does not cause any predicted interference to any of the other proposals. It is believed that the proposed facility complies with the requirements Sections 73.6016, 73.60174, 73.6018, 73.6019, 73.6020, 73.6027, 74.794(b) and other applicable parts of the Rules and Regulations of the Federal Communications Commission. However, to the degree that it is deemed necessary, the Applicant requests a waiver of these other applicable Commission rules in order to allow for the grant of this instant application.