

Engineering Statement and Interference Analysis

This technical statement supports this application to modify digital low-power television station WCHU-LP on channel 44 in Chicago, IL, FCC File No. BDISDTL-20080711ADK, Facility ID 129745.

In this instant application, the Applicant is proposing to modify the ERP, the transmitter output power, the transmitting antenna and its orientation. The proposed channel 44 facility was studied using the Techware's tv_process_dlptv software on a Sun Blade 1500 using the post transition database. 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 74.709, 74.793(e)-(h), 74.794(B), 73.1030 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.

Post Transition Analysis

The Applicant proposes to file this application on a non-contingent basis on UHF channel 44, which is to be relinquished by its licensee NBC Telemundo License Co. at the end of the DTV transition. Inasmuch as this application is in temporary conflict with the present-day operation of WSNS-TV, FCC File No. BLCT-20000110AAU, Facility ID 70119, which will with certainty vacate channel 44 as of the effective date of the DTV transition, the applicant certifies that operation of the facility proposed under this application will not occur prior to the date on which the incumbent facility departs the channel. Accordingly, this application should not be considered "contingent."

TV Broadcast Analog System Protection

Except for as referenced above, the proposed operation causes less than 0.5% interference to surrounding analog 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. If necessary, a waiver of the FCC rules is respectfully requested for this allocation study based on use of the OET-69 procedures.

Digital TV Station Protection

The proposed operation 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. If necessary, a waiver of the FCC rules is respectfully requested for this digital allocation study based on use of the OET-69 procedures.

Class A, Low Power TV and TV Translator Station Protection

The proposed operation 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. If necessary, a waiver of the FCC rules is respectfully requested for this low power allocation study based on use of the OET-69 procedures.