

Engineering Statement and Interference Analysis

This technical statement supports this minor amendment to modify BDISDTA-20120515AGL, a digital displacement relief application to move Class A television station W40CN-D from its licensed channel 40 in Sugar Grove, IL (BLDTA-20110103ACG, Facility ID 71111) to channel 48 in Sugar Grove, IL.

The proposed channel 48 facility was studied using the Techware's tv_process_dlptv software on a Sun Blade 1500. The Applicant proposes to move the transmitter site and the antenna. 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 0.50 km

Displacement Relief

W40CN-D is displaced off of channel 40 due to interference it causes to DTV station WIFR on channel 41 in Freeport, IL, Facility ID 4689, FCC File No. BMPCDT-20081110ADQ at 0.6639% with Scenario 1. Therefore, the Applicant proposes to move W40CN-D to channel 48. This is in excess of the 0.5% interference allowed.

The Applicant hereby requests a waiver of 47.C.F.R. Sections 73.6016, 73.6017, 73.6018, 73.6019, 73.6020, 73.6027 and 74.794(b) and other applicable parts of the Rules and Regulations of the Federal Communications Commission that is deemed necessary in order to allow for the grant of this instant application.

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.

Class A, Low Power TV and TV Translator Station Protection

The proposed facility on channel 48 will cause interference to 29.9782% of the population within the service area of WMEU-LP, a analog facility on channel 48, Chicago, IL, Facility ID 9382, licensed to Weigel Broadcasting Company. The Applicant entered into an Interference Acceptance Agreement with Weigel Broadcasting Company, see Exhibit 11, Attachment A.

Except for referenced above, the proposed operation causes less than 0.5% interference to all other 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.