Engineering Statement and Interference Analysis

This technical statement supports this amendment to modify BDISDTL-20120418ABC for W27CD (Facility ID 74502) on channel 19 in Stamford, CT.

Amendment

The amendment is submitted to modify the ERP, the transmitter output power and the antenna orientation. No other changes are proposed.

Digital Displacement Relief

W27CD was granted a digital displacement CP on channel 43, Stamford, CT. However, it is displaced by adjacent channel interference within its protected contour of 4.8085% from full power facility WNYW, channel 44. Therefore W27CD proposes to move to digital channel 19.

The Applicant requests that the Commission process this application using the following Longley-Rice analysis settings:

- Cell Size for Service Analysis 1.0 km/side
- Distance Increments for Longley-Rice Analysis 1.00 km

The proposed facility on channel 19 was studied using the Techware's tv_process_2010 software on a Sun Blade 1500 using the post transition data and the 2000 US Census. To the degree it is deemed necessary, the applicant requests a waiver of Section 74.705, 74.706, ,74.707, 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b), 73.1030 and other applicable parts of the Rules and Regulations of the Federal Communications Commission 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 authorized 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 19 interferes with W19DC-D, channel 19, Port Jervis, NY (BMPDTL-2008214ADY) to a worst case scenario of 30.7904% (Scenario 2), but the Applicant has entered an agreement with the permittee of W19DC-D to accept interference from this instant proposal.

Except as reference above, the proposed operation causes less than 0.5% interference to surrounding low power and class A authorized 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.