

Engineering Narrative and Environmental Considerations
Application for Displacement Construction Permit
Minor Change
WNTE-LD
DTV Channel 30
Mayaguez, Puerto Rico

As a result of the repacking process associated with the broadcast television incentive auction, WNTE-LD, facility ID: 185272, got displaced by the assignment of WIMN-CD and WVOZ to channel 36 and WCCV-TV to channel 35. As a result, WIMN-CD receives 2.52%, WVOZ gets 19.00%, and WCCV receives 2.2% interference. With this minor change application, Ramon Hernandez proposes to displace WNTE-LD to channel 30, maintain the present antenna location, modify antenna type & azimuth, and request TVStudy processing using a cell size of 1.0 km. and profile increments of 0.14 km. As proposed, this application is compliant with all interference requirements.

The displacement and proposed channel 30 operation interference analysis results from FCC's *TVStudy version 2.2.5*. are attached hereto.

Ramon Hernandez has previously authorized the same facilities parameters but could not complete construction within the terms of the construction permit, file number 0000169397. Therefore, that permit expired. With this application, Ramon Hernandez requests the same facilities.

Environmental Considerations

The evaluation of the WNTE-LD proposed operations for potential radiofrequency exposure to workers and the general public indicates that the calculated RF exposure at two meters above ground will not exceed $7.63\mu\text{w}/\text{cm}^2$ or 2.01% of the $379.33\mu\text{w}/\text{cm}^2$ general population uncontrolled population limit applicable to DTV channel 30. The RF Exposure calculation is based on a radiation center at 30 meters above ground, a maximum relative antenna field of 0.127 between 45 and 90 degrees from horizontal, and a total ERP of 19.5 kW (15 kW Hor, 4.5 kW Vert.)

Access to the proposed transmitter site is restricted.

The tower is not in a flood plain, a wilderness area, or a wildlife preserve that might affect threatened and endangered species or their habitat. In addition, it is not located in an Indian religious and/or cultural site; no significant changes in surface features will occur.

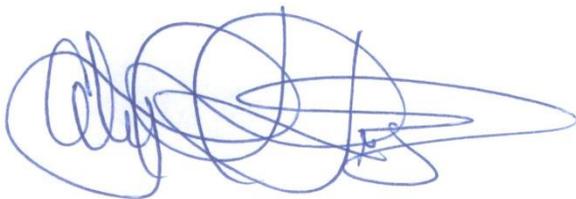
If workers are required to climb the tower, the WNTE-LD site emission shall be reduced or terminated as necessary to prevent RF radiation exposure above the FCC limits.

The proposed modifications will not have a significant environmental effect as described above.

Protection of FCC Monitoring Station and Arecibo Observatory

The proposed WNTE-LD facility is located 66.2 km from the FCC monitoring station at Santa Isabel, Puerto Rico. Due to the low ERP of the WNTE-LD radiation toward the monitoring station and the intervening terrain, the proposed WNTE-LD will have no adverse effects on the monitoring station.

According to Section 73.1030 of the FCC Rules, concurrently with filling this application, the Arecibo Observatory is being notified of the proposed facility.

A handwritten signature in blue ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.

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