
TECHNICAL SUMMARY
APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT
TELEVISION STATION WNJX-TV
MAYAGUEZ, PUERTO RICO
CHANNEL 31 476 KW (H), 142.8 KW (V) 699 M HAAT

1. The WNJX-TV reassignment facility on Channel 31 is one of the facilities listed in the FCC's one percent service loss list from the FCC's *Closing and Channel Reassignment Public Notice*.^{*} Therefore, WNJX-TV is eligible for filing in the first priority window.[†]

2. The instant application for modification of construction permit was prepared to increase the proposed antenna height above average terrain (HAAT) for the WNJX-TV facility to 699 m due to corrections in the actual antenna location and site elevation. While the combination of effective radiated power (ERP) and HAAT exceeds the maximum normally permitted for a UHF station with its proposed HAAT, the proposal is compliant with the 'largest station in the market' provision of the FCC Rules. The predicted coverage map included with the application demonstrates that total area of the WNJX-TV noise-limited service contour is within that of station WAPA-TV, San Juan, PR (Channel 27).

3. The FAA is being notified of the changes. The antenna structure registration will be modified once a determination of no hazard has been received from the FAA.

4. The proposed WNJX-TV facility is compliant with all interference protection requirements. The results of the interference analysis using the FCC's *TVStudy* predicted service and interference analysis tool are attached hereto.

5. The instant proposal is compliant with the principal city coverage requirements of Mayaguez. This is illustrated in the Predicted Coverage Contours exhibit (Figure 1).

^{*} See *Incentive Auction Closing and Channel Reassignment Public Notice: The Broadcast Television Incentive Auction Closes; Reverse Auction and Forward Auction Results Announced; Final Television Band Channel Assignments Announced; Post-Auction Deadlines Announced, Public Notice*, 32 FCC Rcd 2786 (2017).

[†] See *Incentive Auction Task Force and Media Bureau Announce the Opening of the First Priority Filing Window for Eligible Full Power and Class A Television Stations From August 9 through September 8, 2017*, DA 17-724, Released: July 31, 2017.