

Engineering Statement  
Application for Expanded Facilities  
Caguas Educational TV Inc.  
WUJA-DT  
Channel 24  
Caguas, Puerto Rico

**I. Introduction**

This engineering document is prepared in support of a minor modification of WUJA-DT construction permit 0000024838. As a repack affected station WUJA-DT is entitled to apply for expanded facilities during the ongoing window. It is proposed to modify the present construction permit to and Increase WUJA-DT Effective Radiated Power to 100kW. The proposed WUJA-DT facility is compliant with all interference protection requirements when considered in conjunction with adjacent channel WWSN-DT expanded facilities application also submitted during the expanded facilities window. The results of the interference analysis using the FCC's *TVStudy version 2.2.3* predicted service and interference analysis tool are attached hereto.

**II. Protection to FCC Monitoring Station and Arecibo Observatory**

The proposed WUJA-DT facility is located 41.4 km from the FCC monitoring station at Santa Isabel, Puerto Rico. Because of the low ERP of the WUJA-DT facility and the intervening terrain toward the Santa Isabel monitoring station it is believed that no adverse effects to the monitoring station are expected. Pursuant to Section 73.1030 of the FCC Rules, concurrently with the filling of this application the Arecibo Observatory is being notified of the proposed facility.

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