

## **ENGINEERING STATEMENT**

This exhibit supports this application to modify FCC File Number 0000030450, a construction permit for W34DI-D, Channel 34, Port Jervis, NY, Facility ID 127812, licensed to the Applicant herein.

The Applicant proposes to modify the ERP. The proposed facility was studied using TVStudy v2.2.3 using the following parameters:

- Study cell size: 0.5 km
- Profile point spacing: 0.1 km

And the results are as follow:

- Distance to Canadian border: 378.9 km
- Distance to Mexican border: 2657.6 km
- Conditions at FCC monitoring station: Laurel MD  
Bearing: 231.3 degrees Distance: 283.4 km
- Proposal is not within the West Virginia quiet zone area
- Conditions at Table Mountain receiving zone:  
Bearing: 278.7 degrees Distance: 2606.0 km

The proposed facility is less than 30 miles distance from the existing licensed facility. The F(50,90) 51 dBu contours of the proposed facility overlaps with the F(50,90) 51 dBu contours of the existing licensed facility.

It is believed that the proposed facility complies with the requirements of Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h) and other applicable parts of the Rules and Regulations of the Federal Communications Commission.

### **Digital TV and Class A Station Protection and Interference Acceptance**

This proposed facility protects all existing licenses, construction permits, and applications, both on Baseline channels and those on non-Baseline channels, including all stations currently operating or authorized.

The proposed facility causes less than 0.5% interference to surrounding digital and Class A television stations, allotments, facilities and applications (i.e., “*de minimis*”) based on TVStudy v2.2.3. It is believed that the proposed operation is in compliance with the spirit and intent of the FCC’s interference standards.

### **Low Power TV and TV Translator Station Protection**

Based on TVStudy v2.2.3 with the Build Option to Protect LPTVs, the proposed facility causes less than 2.0% interference to 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.

### **Environment Effect**

The proposed facility is deemed individually and cumulatively to have no significant effect on the quality of the human environment and are categorically excluded from environmental processing as defined by 47 C.F.R. § 1.1306. Additionally, the Applicant certifies that it will reduce power or cease operation as necessary to protect any persons from having RF exposure in excess of FCC guidelines.