

## **ENGINEERING STATEMENT**

This engineering statement supports this minor modification application for File Number 0000054807, a construction permit authorized as W29FL-D for the licensed facility of W31EF-D on Channel 29, New York, NY, Facility ID 128222, licensed to the Applicant herein.

### **Proposed Facility**

The Applicant proposes to modify the ERP and the antenna technical data. The proposed facility was studied using TVStudy v2.2.5 using the following parameters:

Study cell size: 2.00 km  
Profile point spacing: 1.00 km

and the results are:

- Distance to Canadian border: 395.8 km
- Distance to Mexican border: 2676.3 km
- Conditions at FCC monitoring station: Laurel MD  
Bearing: 235.0 degrees Distance: 300.4 km
- Proposal is not within the West Virginia quiet zone area
- Conditions at Table Mountain receiving zone:  
Bearing: 278.9 degrees Distance: 2630.6 km

It is believed that the proposed facility complies with 47 C.F.R. Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h).

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

The proposed facility causes less than 0.5% interference to surrounding digital and Class A television stations and allotments and facilities (i.e., “*de minimis*”) based on TVStudy v2.2.5. 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**

The proposed facility causes less than 2.0% interference to surrounding low power licenses and construction permits (i.e., “*de minimis*”) based on TVStudy v2.2.5. 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.