

## **ENGINEERING STATEMENT**

This engineering statement supports this application to modify the licensed facility of WWAT-CD, Channel 29, Charleroi, PA, Facility ID 257, File Number 0000101490, licensed to the Applicant herein.

### **Proposed Facility**

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. The proposed facility was studied using TVStudy v2.2.5 using the following parameters:

Study cell size: 1.00 km  
Profile point spacing: 0.10 km

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**

According to TVStudy 2.2.23, the proposed facility is predicted to cause 43.77% interference to the formerly licensed analog facility of WIIC-LD (Facility ID 68411) on channel 29 (File No. BLTTL-19981230JB). All analog stations stopped operating on July 13, 2021, so this is not relevant. Additionally, BLTTL-19981239JB expired on August 1, 2007, and WIIC-LD is now licensed on channel 31, under a license that was granted on August 24, 2015 (File No. 0000001173). 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.

Other than referenced above, 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 assignments and allotments (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 Assessment Not Required**

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. The applicant also certifies that it, in coordination with other users of each transmitter site, will reduce power or cease operation as necessary to protect persons having access to each site, transmitter or antenna from radio frequency electromagnetic exposure in excess of FCC guidelines.