

**Amended Technical Statement  
Application for Construction Permit  
W259BV 99.7 mHz. Facility ID 157070 Poughkeepsie, NY  
March, 2016**

The purpose of this amended application is to specify displacement and change to a different channel. The facility will change its primary station to WPDH-HD2 operating on channel 268 at Poughkeepsie, NY. (Facility ID 71514)

On September 23, 2015, Bridgelight, LLC, licensee of WJUX operating on co-channel 259 at Monticello, NY filed an application (BPED-20150923ALI) to relocate to another transmitter site, in addition to changing its community of license.

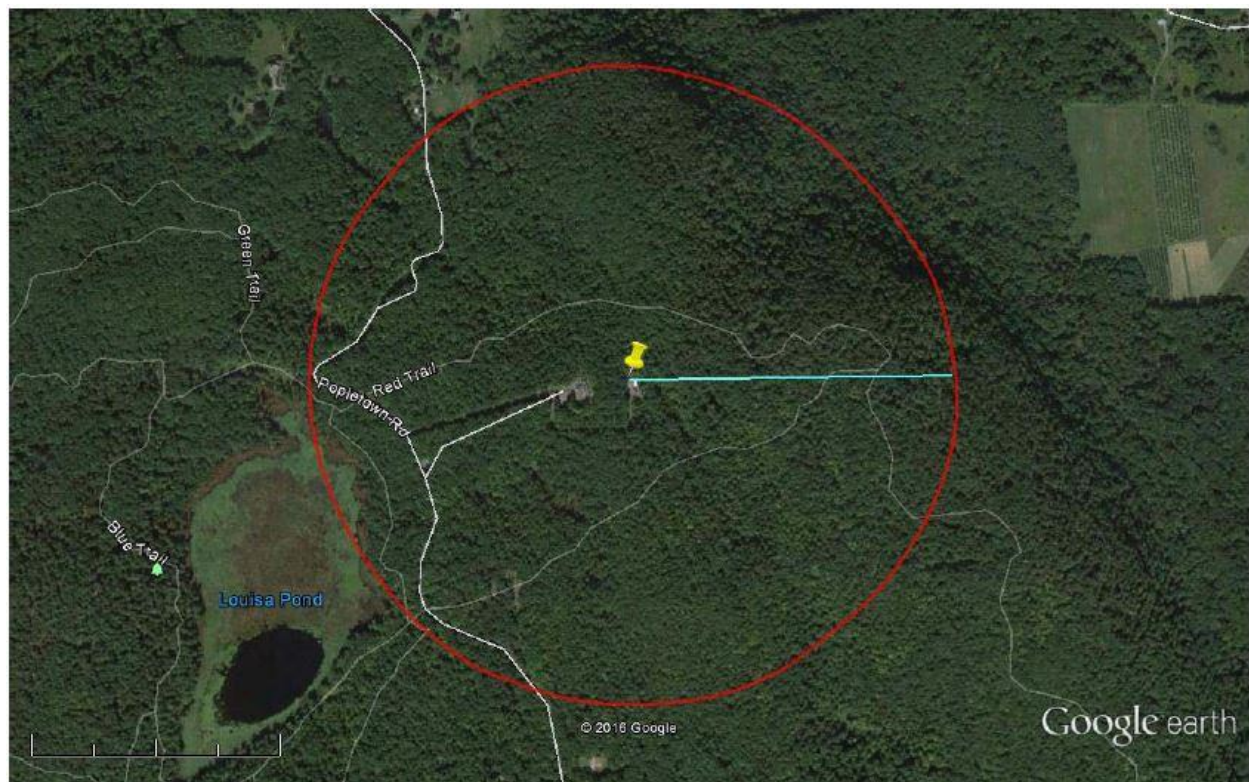
In reviewing the WJUX application, it would appear that there could be interference caused to both W259BV and WJUX listeners now receiving sufficient signal levels within and near the 60 dBu contour of the presently licensed translator facility. Included at Attachment 12 are two maps which contains two Longley Rice Studies overlayed with the service contour of the licensed translator facility. Map 1 shows the presently licensed WJUX facility overlayed with the 60 dBu contour of the translator facility. Map 2 shows the proposed WJUX facility overlayed with the 60 dBu contour of the translator facility. As can be seen, WJUX will have somewhat less signal within the 60 dBu contour of the translator facility and the surrounding area. Out of an abundance of caution, it is proposed to relocate the translator facility to a different channel to avoid any issues with the reception of WJUX in the area.

An interference study was conducted on each channel plus or minus 3 and 53/54 below the presently licensed 259. In each case, contour overlap to existing and proposed facilities precluded operation on those frequencies. Further study determined that channel 230 was the clearest usable channel. An Interference Study is attached at Exhibit 12 that demonstrate no prohibited contour overlap. The proposed facility does have contour overlap to third adjacent station WBWZ operating on channel 227 and second adjacent station WKXP operating on channel 232. These two conditions are addressed below.

## Waiver Request #1 - WBWZ

WBWZ operates on third adjacent channel 227 (93.3 MHz) as a Class A station. It is determined that WBWZ has signal strength of 66.6 dBu at the proposed translator site. In order for actual interference to occur, the interfering signal must be 40 dB greater than the protected signal. By taking into account the 66.6 dBu signal from WBWZ and adding 40 dBu to it, the interfering contour then becomes 106.6 dBu. This contour will extend 519 meters from the antenna and is depicted by the red circle on the map below. (The blue line represents the distance of 519 meters).

As seen on the map below, the site is remote with no residences or major roads within this distance. The nearest residence is 543 meters distant from the base of the tower at approximately 320 degrees.



Google earth

feet 3000  
km 1



## **Waiver Request #2 - WKXP**

WKXP operates on second adjacent channel 232 (94.3 MHz) as a Class A station. It is determined that WKXP has signal strength of 85 dBu at the proposed translator site. In order for actual interference to occur, the interfering signal must be 40 dB greater than the protected signal. By taking into account the 85 dBu signal from WKXP and adding 40 dBu to it, the interfering contour then becomes 125 dBu. This contour will extend 62 meters - far less than the contour shown in the map above and clearly in an area with no major roads or residences.

It is therefore believed the proposed facility is in compliance with 74.1204 with regard to contour overlap. Further, the facility is in compliance with 74.1235 with regard to Power and HAAT as it will continue to operate as a fill-in translator.