

### **Introduction and Description of Proposal**

This engineering exhibit was prepared in support of an application to relocate FM translator station W279BA (FCC ID 141393) being filed by TBLC Virginia Holdinga LLC at Richmond, Virginia. It is proposed to move 6.81 kilometers and change directional antennas.

### **Filing Window Eligibility**

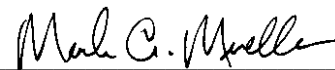
The primary station, WVNZ, Richmond, Virginia, (FCC Facility ID 52050) is a class-D AM station. The proposed transmitter site is an existing 122 meter tall building (no ASRN) with the antenna mounted to a 15 meter tall pole atop an equipment penthouse 10 meters above the roof. The proposed 60 dBu contour is contained completely within a 25 mile radius circle from WVNZ as shown on Exhibit 10. The proposed antenna will be located at least 20 feet from any other antenna on the rooftop and will not cause any issues with pattern distortion.

### **Environmental Statement**

The proposed facility requires no construction other than the attachment of the antenna and associated transmission line to a pole on the roof. The worst-case power density at 3 meters above ground is  $58.58 \mu\text{W}/\text{cm}^2$ , far below the uncontrolled space limit of  $200 \mu\text{W}/\text{cm}^2$ . The station will cease operation when personnel must be near the antenna for longer than allowed. The roof is secured behind a locked door with warning signs posted and the antenna location is inaccessible without a ladder.

This engineering exhibit was prepared by me and is true and correct to the best of my knowledge and belief.

January 2, 2019



Mark A. Mueller