

## **Amended Application Engineering Statement**

### **Channel Displacement Application of WYFX-LD Youngstown, OH August 15, 2018**

This Engineering Statement has been prepared on behalf of NEXSTAR BROADCASTING, INC. (NEXSTAR), licensee of television station WYFX-LD Youngstown, OH. WYFX-LD currently operates on channel 19 and is being displaced by the Incentive Auction repack allotments of channel 19 to WKYC Cleveland, OH (94.6 km) and channel 20 to WPGH Pittsburgh, PA (82.5 km).

The purpose of this amendment is to eliminate the predicted interference caused by the facility described in the application being amended to the facility described in construction permit file number BLANK0000001539, facility ID 55107, WRAP-LP channel 32 Cleveland, OH

An analysis using the FCC's TVStudy software and its default settings has indicated that WYFX-LD could move to the previously proposed channel 32 and operate with an effective radiated power (ERP) of 5.3 kW from its current location utilizing a non-directional antenna pattern, 3.0 degrees of electrical beam tilt and a radiation center of 742 meters above mean sea level. This facility will allow WYFX-LD to maintain coverage of about 62% of its current service population while not causing interference above the de minimis limit to any other authorized facilities. A copy of the TVStudy analysis results verifying no predicted interference above the de minimis limit to other authorized facilities is provided as an attachment to this amended application.