

***TECHNICAL EXHIBIT  
APPLICATION FOR LICENSE***

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Digital LPTV Facility W33EM-D  
1.58 kW ERP DA / Channel 33  
Altoona, Pennsylvania

Digital Networks-Northeast, LLC

August 2020

## **APPLICATION FOR LICENSE**

The following engineering statement has been prepared for **Digital Networks-Northeast, LLC** (“Northeast”), licensee of low power television station W43BP at Altoona, Pennsylvania, and permittee of W33EM-D at the same community, and are in support of their application for license.<sup>1</sup> This application seeks to cover the displacement of the analog facility authorized under LMS File No. 0000098028.

Under the referenced construction permit, W33EM-D is authorized to operate on channel 33 with a maximum effective radiated power of 1.58 kW at a center of radiation of 421.9 meters above mean sea level, 30.5 meters above ground level, utilizing a composite directional antenna. This composite antenna is comprised of two (2) Kathrein-Scala PR-TV antennas. One of these antennas is oriented at 15 degrees true, and the other is oriented at 215 degrees true. Equal power division is employed between the two antennas. Northeast has completed construction of the facility utilizing the authorized parameters. The installed equipment achieves the authorized effective radiated power.

The construction permit, as issued by the Commission, lists one special condition or restriction. This condition advises Northeast that the authorization is a Low Power Television authorization, and as such, is secondary. Northeast is cognizant of the interference requirements imposed on it by the authorization, and will comply, as necessary.

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<sup>1</sup> The Facility ID for W43BP/W33EM at Altoona, Pennsylvania is 68024.

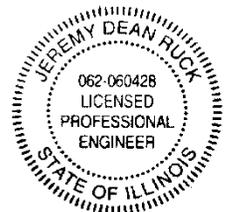
JEREMY RUCK & ASSOCIATES, INC.

P.O. Box 415  
221 S. 1st Avenue  
Canton, IL 61520

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Fax: 855.332.9537  
jeremyruck.com

Northeast certifies that it will protect workers and other personnel from being exposed to levels of radiofrequency radiation in excess of the applicable safety standards, and will coordinate with all other users of the site. Coordination efforts will include, but are not necessarily limited to a reduction in transmitter power or cessation of operation.

The preceding statement has been prepared by me, or under my direction, and is true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature  
License Expires November 30, 2021

Jeremy D. Ruck, PE  
August 24, 2020

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8.24.2020

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