

***TECHNICAL EXHIBIT***  
***APPLICATION FOR LICENSE***

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Digital Low-Power Television Station WWHL-LD  
1.61 kW ERP DA / Channel 31  
Huntsville, Alabama

Digital Networks-Southeast, LLC

May 2020

## **APPLICATION FOR LICENSE**

The following engineering statement has been prepared for **Digital Networks-Southeast, LLC** ("Southeast"), licensee of low power television facility WWHL-LD at Huntsville, Alabama, and is in support of their application for license.<sup>1</sup> This application is being filed to cover the construction permit assigned LMS File No. 0000093279. This construction permit authorized changes to the facility including a change in the site location, maximum effective radiated power, and directional pattern envelope.

Under the referenced construction permit, WWHL-LD is authorized to operate on television channel 31 with a maximum effective radiated power of 1.61 kW at a center of radiation of 278.6 meters above mean sea level, 30.5 meters above ground level, utilizing a directional antenna. The antenna authorized, and utilized by the facility, is a composite directional array, which consists of two Kathrein-Scala PR-TV oriented at 10 and 180 degrees true, with the entire array rotated clockwise by 15 degrees. Southeast has completed construction of the facility utilizing these parameters. The installed equipment achieves the authorized effective radiated power.

The construction permit for the facility as issued lists no special conditions or restrictions. Southeast is, however, cognizant of its responsibilities and limitations as a licensee of a low-power television facility.

Southeast 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

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<sup>1</sup> The Facility ID for WWHL-LD at Huntsville, Alabama is 995.

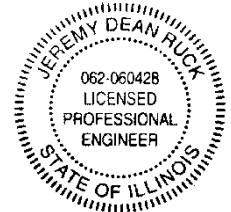
JEREMY RUCK & ASSOCIATES, INC.

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Canton, IL 61520

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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  
May 18, 2020

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5.18.2020