

***TECHNICAL EXHIBIT
APPLICATION FOR LICENSE***

Digital Low Power Television Facility W17DQ-D
2.0 kW ERP DA / Channel 17
Jacksonville, Florida

Digital Networks-Southeast, LLC

December 2020

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JEREMY RUCK & ASSOCIATES, INC.

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12.21.2020

APPLICATION FOR LICENSE

The following engineering statement has been prepared for **Digital Networks-Southeast, LLC** (“Southeast”), licensee of digital low power television station W17DQ-D, and is in support of their application for license to cover authorized modifications to that facility.¹ In addition to covering the authorized construction, this application also proposes a change in the community of license from Waycross, Georgia, to Jacksonville, Florida. This application is being filed to cover the construction permit assigned LMS File No. 0000116355.

Under the referenced construction permit, the facility is authorized to operate on television channel 17 with a maximum effective radiated power of 2.0 kW at a center of radiation of 33.4 meters above mean sea level, 30 meters above ground level, utilizing a directional antenna array. The antenna utilized by the facility is a composite array consisting of two Kathrein-Scala PR-TV antennas. One of these antennas is oriented at 150 degrees true, while the other is oriented at 330 degrees true. Equal power division is employed between the individual antennas. Southeast has completed construction of the facility utilizing the authorized parameters.

The construction permit as issued by the Commission, lists one special condition or restriction. This condition states that the authorization in question is for the low power television service. As such, this authorization is secondary, and Southeast not only may not cause impermissible interference to primary facilities. Additionally, Southeast must also accept any such interference. Southeast is cognizant of the requirements of this condition, and will abide by the same.

¹ The Facility ID for W17DQ-D is 190202.

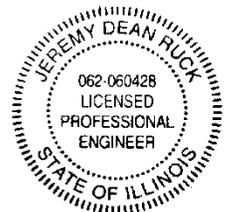
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Southeast certifies that it will protect workers and other personnel from being exposed to levels of radiofrequency radiation in excess of the applicable safety standards, and will coordinate with all other users of the site. Coordination efforts will 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
December 21, 2020

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