

***TECHNICAL EXHIBIT
APPLICATION FOR LICENSE***

Digital Low-Power Television Station K27OY
2.0 kW ERP DA / Channel 27
Memphis, Tennessee

Digital Networks-Midwest, LLC

July 2020

APPLICATION FOR LICENSE

The following engineering statement has been prepared for **Digital Networks-Midwest, LLC** (“Midwest”), licensee of analog low power television station K39CP at Poplar Bluff, Missouri, and permittee of digital low power television station K27OY at Memphis, Tennessee, and are in support of their application for license to cover construction of the latter. This application is being filed to cover the construction permit assigned LMS File No. 000011339.

Under the referenced construction permit, K27OY is authorized to operate on television channel 27 with a maximum effective radiated power of 2.0 kW at a center of radiation of 141.2 meters above mean sea level, 50.0 meters above ground level, utilizing a composite directional antenna consisting of two Kathrein-Scala PR-TV antennas. One of these antennas is oriented at 0 degrees true, with the other oriented at 170 degrees true. Equal power division between the two elements is employed. Midwest 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 Midwest that the authorization is a Low Power Television authorization, and as such, is secondary. Midwest is cognizant of the interference requirements imposed on it by the authorization, and will comply, as necessary.

Midwest 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

JEREMY RUCK & ASSOCIATES, INC.

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

Tel: 309.647.1200
Fax: 855.332.9537
jeremyruck.com

7.28.2020

2

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
July 28, 2020

JEREMY RUCK & ASSOCIATES, INC.

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

Tel: 309.647.1200
Fax: 855.332.9537
jeremyruck.com