

ENGINEERING REPORT

Displacement for LPTV Station
Application for

WMNN-LD, Lake City, MI
LMS File No. 0000007774
(Facility ID Number: 184267)

May, 2018

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Discussion of Engineering Report

This firm was retained to prepare the required engineering report in support of this special displacement window application for WMNN-LD, Lake City, MI, LMS File No. 00000077774 (Facility ID: 184267). WMNN-LD is eligible for displacement due to the received interference from the authorized operation of one or more full power stations. Currently WMNN-LD, is authorized to operate on Channel 14 with an ERP of 1.97 kW at 566.9 meters AMSL utilizing a non-directional antenna. Proposed operation is requested on Channel 17 with an ERP of 15 kW, at the same AMSL, and utilizing the same antenna make and model.

This application will be filed with a contingency waiver based on the expected vacating of Channel 17 by WCMV - Cadillac, MI, BLEDT-20050914AAI (Facility ID: 9922).

Additional engineering exhibits are attached to this application:

- ***“WMNN-LD Proposed Allocation Interference Study”***. This exhibit demonstrates that the proposed facility will not cause Prohibited Interference to stations affected by this proposal once WCMV transitions to the channel assigned to it in the incentive auction repack. The proposed facility will receive interference and applicant agrees to accept this interference. The details of the study parameters are included in this exhibit and show a Study Cell Size of 1.0 km and a Profile Point Spacing of 1.0 km.
- ***“WMNN-LD Present Allocation Interference Study”***. This exhibit demonstrates that the existing facility will receive interference in excess of 2% from one or more stations and therefore is eligible to file this displacement application.
- ***“5% Exclusion RFR Study based on Eq10”***. The Radio Frequency exposure has been evaluated at the proposed power level to demonstrate compliance.