

MULTIPLE SERVICES STUDY

Associated with the
Co-ownership of Stations:

KDSN(AM) – Denison, IA

KDSN(FM) – Denison, IA

KNOD(FM) – Harlon, IA

KJAN(AM) – Atlantic, IA

Interim Contour Methodology

December 2023

CERTIFICATION OF ENGINEERS

The firm of Munn-Reese, Broadcast Engineering Consultants, with offices at 385 Airport Drive, Coldwater, Michigan, has been retained for the purpose of preparing the technical data forming this report.

The data utilized in this report was taken from the FCC Secondary Database and data on file. While this information is believed accurate, errors or omissions in the database and file data are possible. This firm may not be held liable for damages as a result of such data errors or omissions.

The report has been prepared by properly trained electronics specialists under the direction of the undersigned whose qualifications are a matter of record before the Federal Communications Commission.

I declare under penalty of the laws of perjury that the contents of this report are true and accurate to the best of my knowledge and belief.

12/27/2023

MUNN-REESE

By



Bruce Bellamy, President

385 Airport Drive, PO Box 220
Coldwater, Michigan 49036

Telephone: 517-278-7339

MUNN-REESE

Broadcast Engineering Consultants
Coldwater, MI 49036

Engineering Statement

This firm was retained to determine whether the stations listed above, when commonly owned or controlled, complies with the Commission's multiple ownership rule, 47 C.F.R. Section 73.3555.

Portions of these holdings are subject to analysis under either the *Interim Contour-overlap Methodology* or the *BIA Market Methodology*. This study solely addresses the *Interim Contour-overlap Methodology* portion of these holdings.

Under the *Interim Contour-overlap Methodology*, two separate and distinct markets will result within this entire ownership group. "Market 1" is comprised of KDSN(FM) and KDSN(AM). "Market 2" is comprised of KNOD(FM) and KJAN(AM).

"Market 1" consists of one (1) AM and one (1) FM station and is permissible under 73.3555(a)(1)(iv).

"Market 2" consists of one (1) AM and one (1) FM station and is permissible under 73.3555(a)(1)(iv).

The existing facilities of the stations included in this report were determined by the use of currently updated copies of the FCC computer databases of AM and FM stations. The listed facilities served as the basis for the computation of the respective principal community contours. The accuracy of the results of this study is understood to be limited to the accuracy of these databases. The FCC databases give no indication of licensed facilities that may be inoperative, construction permit facilities that may now be operating under program test authority (but have not yet been issued a license) or facilities which may have been licensed since the last update. Therefore, some stations may have been included or excluded erroneously. However, unless otherwise indicated, all licensed facilities known to be inoperative and all known applications and construction permit facilities, have been eliminated from consideration in this study.

For AM stations, Map M-3 soil conductivity values and the authorized licensed transmitting facilities served as the basis for the computation of the predicted 5.0 mV/m groundwave contour in accordance with §73.183 of the FCC Rules. The distance to the contour was computed for seventy-two (72) equally spaced azimuths beginning with 0° True. For FM stations, the authorized Center of Radiation and ERP values were utilized to compute the predicted 3.16 mV/m (70 dBu) contour as provided in §73.313 of the Rules. The predicted FM contours shown in this report are based on the use of 72 equally spaced terrain radials beginning with 0° True.

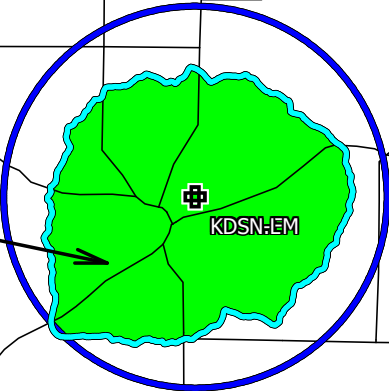
In summary, the common ownership or control of these four stations complies with the Multiple Ownership rule.

Exhibit 1.0 - Commonly Owned Stations City Grade Contours (70 dBu and 5 mv/m)

Munn-Reese.com

- KDSN-FM (285)
- KNOD (287)
- KDSN.L
- KJAN.L

Market #1



Market #2

