

# **Explanation of Special Conditions/Restrictions**

K273DJ – West Fargo, ND

Facility ID: 202255

Permit File Number: BMPFT-20181024AAR

1. The applicant certifies coordination with other users of the site to reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
2. Prior to commencing program test operations, the FM Translator applicant certifies it has on file at the Commission an FCC Form 350 Application for an FM Translator License pursuant to 47 C.F.R. Section 74.14.
3. Potential Impact to KFNN(AM), West Fargo, ND Fac. ID No. 49742: On [10/22/2018](#) a defective Jampro JMVP-2R was removed from the #2 tower of KFNN's directional array and replaced with an identical new Jampro JMVP-2R for the purposes of building out an FM translator call sign K273DJ for KFNN as detailed in FM BROADCAST TRANSLATOR/BOOSTER STATION CONSTRUCTION PERMIT BNPFT-20180418ACA. In the process of building out the site, the existing transmission line on the tower and ERI isocoupler were reused to help insure minimum impact on the Tower 2 impedance measurements.

Before and after measurements were taken of the tower 2 base impedance showing the reactance and resistance and compared to the original data on file for the MOM proof for KFNN as required by the third paragraph of the Special operating conditions or restrictions contained in the Construction Permit and in Section 73.151(c)(1) of the Commission's Rules. The results of these measurements showed base resistance dropped .33 and the reactance dropped 1.74 after the FM antenna was replaced. Based on the calculations as detailed in FCCDA 09-2340 dated [October 29, 2009](#) the allowable change was +/-3.76 for the resistance and +/- 3.99 for the reactance. Therefore, the station will not be required to file a new form FCC 302-AM as part of this application. The antenna monitor was also documented before and after the FM antenna on tower 2 was replaced with the transmitter operating without DCC being employed. The before and after antenna monitor readings were within .001 in all phase and loop readings. In addition, NRSC and harmonic measurements were made the day after the FM antenna work was completed to tower 2 of the array and the measurements showed KFNN to be in compliance with the provisions of CFR 47 §73.44 of the FCC rules regarding AM Broadcast Stations.

All work and measurements were done under the supervision of Rod Thannum, Director of Engineering for Northwestern Media.

4. The applicant acknowledges that pursuant Rule Making, 28 FCC Rcd 15221, 15227, para. 14 (2013), and First Report and Order, 30 FCC Rcd 12145, 12154, para. 17 and n. 43 (2015), the permittee and any successor in interest (licensee, transferee, or assignee) shall be subject to the following restrictions: (1) this facility may only, in perpetuity, be used to rebroadcast the authorized facilities of the AM primary station set forth in this construction permit, except that it may also originate nighttime programming if the AM primary station set forth in this construction permit is not authorized regular nighttime service, and then only during periods of the broadcast day when the primary AM station is not regularly authorized to operate; (2) if the AM primary station is operating with reduced facilities, this cross-service FM translator facility may only operate if its coverage contour conforms to the limits set forth in 47 CFR Section 74.1201(g) as applied to the reduced facilities of the AM primary station; (3) the

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authorization for this facility may not be assigned or transferred except in conjunction with the primary AM station set forth in this construction permit; and (4) if the authorization of the AM primary station set forth in this construction permit is rescinded, revoked, surrendered, subject to special temporary authorization (STA) to remain silent, or is otherwise suspended from operation, the authorization of this cross-service FM translator station shall likewise be rescinded, revoked, surrendered, silent for the duration of the AM primary station's STA to remain silent, or suspended from operation. Minor modifications of this authorization are permitted, provided that the translator meets all of the preceding conditions.