

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
AUXILIARY FACILITY
RADIO STATION KMXK(FM)
COLD SPRING, MINNESOTA
CH 235C2 1 KW 133 M

Technical Statement

This Technical Exhibit, of which this statement is part, was prepared on behalf of radio station KMXK(FM) on Channel 235C2 at Cold Spring, Minnesota. KMXK(FM) has authorization to construct a new auxiliary [stand-by] facility.¹ By this instant application, station licensure is requested.

Special Conditions

The Commission specified a special condition within the KMXK(FM) construction permit regarding measurements on the co-located WJON(AM) station on 1240 kilohertz (kHz) at St. Cloud, Minnesota. WJON(AM) is a non-directional AM station. However, as explained within the initial KMXK(FM) application for construction permit, an existing antenna was already mounted on the WJON(AM) tower that is employed by the herein facility, and a past application filed by WJON(AM) already indicated the antenna (File Number: BML-20020925ADJ). Therefore, there is no change to the WJON(AM) licensed radiator and hence, it is believed by the undersigned that special condition regarding WJON(AM) is unnecessary.²

¹ See FCC Construction Permit BXPB-20041119ACB.

² Furthermore, it is noted that co-located stations KKSJ(FM), BXPB-20041119ADG, and WWJO(FM), BXPB-20041119ABI, do not have a similar special condition.

It is also noted a fence surrounding the base of the tower supporting the auxiliary antennas, and also the non-directional radiator for WJON(AM), extends a minimum of 10 feet from the base.

Charles A. Cooper

May 24, 2005

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237
941.329.6000

Figure 1

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
AUXILIARY FACILITY
RADIO STATION KMXK(FM)
COLD SPRING, MINNESOTA
CH 235C2 1 KW 133 M

KMXK(FM) RF Transmission System Specifications

Description	System
Transmitter Power Output (1.9 kW):	2.7 dBk
<i>Cablewave</i> Transmission Line Loss (FLC-78-50J) 25 feet:	0.1 dB
<i>Kintronic's Isolation Coil FMC-1.5</i> :	0.2 dB
<i>Cablewave</i> Transmission Line Loss (FLC-158-50J) 460 feet:	1.7 dB
<i>Shively 6832-2</i> Antenna Gain (0.85 Power Gain):	-0.7 dB
Effective Radiated Power (1 kW):	0.0 dBk