

TECHNICAL EXHIBIT
APPLICATION FOR LICENSE
RADIO STATION WFMP(FM)
COON RAPIDS, MINNESOTA
AUXILIARY FACILITY
CH 296C2 7 KW 171 M

Technical Statement

This Technical Exhibit was prepared on behalf of Radio Station WFMP(FM) on Channel 296C2 assigned to Coon Rapids, Minnesota in support of its application for license for its auxiliary (stand-by) facility. The station is operating with automatic program test authority with the authorized facilities of 7 kilowatts non-directional effective radiated power and an antenna height above average terrain of 171 meters on Channel 296C2.¹

Figure 1 is a tabulation of the RF system specifications. As required by the WFMP(FM) special condition, an application for direct measurement of power has been filed for co-located KUOM(AM) noting the changes in the base impedance.²

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¹ See WFMP(FM) FCC Construction Permit File Number: BXPB-20011015AAE.

² See KUOM(AM) FCC File Number: BZ-20021119ABY

Figure 1

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WFMP(FM) Auxiliary RF Transmission System Specifications

| Description | System |
|--|---------|
| Transmitter Power Output (7.1 kW): | 8.5 dBk |
| Transmission Line Loss (Andrew Air 1-5/8") 550 feet: | 1.2 dB |
| Band Pass Filter (ERI 960-2) | 0.1 dB |
| ERI SHPX-4AC Antenna (1.31 Power Gain): | 1.2 dB |
| Effective Radiated Power (7 kW): | 8.4 dBk |