

Federal Communications Commission

FM TRANSLATOR BROADCAST STATION CONSTRUCTION PERMIT

Permittee

DAVID R. MAGNUM
N 6837 BOBBI RD
PARDEEVILLE, WI, 53954

Call Sign

W280GB

Facility ID

144567

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|----------------------------------|---|--------------------------------------|
| File Number 0000151669 | This Permit Modifies License File No. BNPFT-20180808AAN | |
| Filing Date 07/06/2021 | Grant Date 07/26/2021 | Expiration Date 09/04/2021 |

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|--|---------------------------------|-------------------------------|---------------------------|
| Community of License City: Escanaba State: MI | Frequency (MHz) 103.9 | Station Channel 280 | Station Class D |
| Primary Station WDBC ESCANABA MI | | Via Wired | |
| Hours of Operation: Unlimited | | | |

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| Transmitter Certified for compliance per 74.1250 or verified for compliance per 73.1660 of the Commission's Rules. | Transmitter Output Power As required to achieve authorized ERP. |
| Antenna Type Non-Directional | Antenna Coordinates (NAD 83) Latitude 45-45-51.5 N Longitude 87-05-06.6 W |
| Major Lobe Directions Not Applicable | |

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| | Horizontally Polarized Antenna | Vertically Polarized Antenna |
| Effective Radiated Power in the Horizontal Plane (kW) | 0.25 | 0.25 |

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| Height of Radiation Center Above Ground (meters) | 11.9 | 11.9 |
| Height of Radiation Center Above Mean Sea Level (meters) | 202.09999 | 202.09999 |
| Height of Radiation Center Above Average Terrain (meters) | | |

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| Antenna Structure Registration Number Not Required | Overall Height of Antenna Structure Above Ground (meters) 11.9 |
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Obstruction Marking and Lighting Specifications for Antenna Structure

It is expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303 (q) of the Communications Act of 1934, as amended.

Special Operating Conditions or Restrictions

The permittee/licensee in coordination with other users of the site must 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.

- Prior to commencing program test operations, FM Translator or FM Booster permittee must have on file an Application for an FM Translator or FM Booster Station License, pursuant to 47 C.F.R. Section 74.14.
- The AM station identified below may be affected by the facilities authorized by this construction permit. Pursuant to Section 1.30004 of the Commission's Rules, at least 30 days prior to commencement of construction of the facilities authorized herein, the permittee must provide notification of the construction to the AM station licensee. As part of this notification, the permittee must examine the potential impact of the construction of the authorized facilities on the AM station using a moment method analysis. The analysis shall consist of a model of the AM antenna together with the potential re-radiating tower in a lossless environment. The model shall employ the methodology specified in Section 73.151(c) of the Commission's Rules, except that the AM antenna elements may be modeled as a series of thin wires driven to produce the required radiation pattern, without any requirement for measurement of tower impedances. If the AM station was authorized pursuant to a directional proof of performance based on field strength measurements, the permittee may, in lieu of the moment method analysis, demonstrate with measurements taken before and after construction that field strength values at the monitoring points do not exceed the licensed values. If the construction results in radiation values in excess of the AM station's licensed standard pattern or augmented pattern values, the permittee is responsible for the installation and maintenance of any detuning apparatus necessary to restore proper operation of the directional antenna. (See Section 1.30002 of the Commission's Rules.) The permittee must submit confirmation of completion of these notice and analysis requirements in the application for license to cover this construction permit. If the facilities authorized by this Construction Permit do not result in a significant modification of the existing tower specified as defined in Section 1.30002(d) of the Commission's Rules, the permittee shall submit a certification and any necessary evidence supporting that certification in the Application for License. Station WDBC(AM), ESCANABA, MI, 680 kHz

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules(See Section 83.875).

Pursuant to Section 73.3598, this Construction Permit will be subject to automatic forfeiture unless construction is complete and application for license is filed prior to expiration.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

