



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**FM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

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NORTHERN ILLINOIS UNIVERSITY  
801 NORTH FRIST STREET  
DEKALB IL 60115

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Dale E. Bickel  
Senior Engineer  
Audio Division  
Media Bureau

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Facility Id: 49550

Call Sign: WNIJ

License File Number: BLED-19891011KA

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Grant Date: January 05, 1990

This license expires 3:00 a.m.  
local time, December 01, 1996.

This license covers Permit No.: BPED-19880524ME

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Callsign: WNIJ

License No.: BLED-19891011KA

Name of Licensee: NORTHERN ILLINOIS UNIVERSITY

Station Location: IL-DEKALB

Frequency (MHz): 89.5

Channel: 208

Class: B

Hours of Operation: Unlimited

Transmitter: Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Transmitter output power:

Antenna type: Directional

Description: ODD ODD880524ME

Antenna Coordinates: North Latitude: 42 deg 00 min 55 sec

West Longitude: 89 deg 00 min 07 sec

|                                                            | Horizontally<br>Polarized<br>Antenna | Vertically<br>Polarized<br>Antenna |
|------------------------------------------------------------|--------------------------------------|------------------------------------|
| Effective radiated power in the Horizontal Plane (kW):     | 50                                   | 50                                 |
| Height of radiation center above ground (Meters):          | 144                                  | 144                                |
| Height of radiation center above mean sea level (Meters):  | 380                                  | 380                                |
| Height of radiation center above average terrain (Meters): | 128                                  | 128                                |

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 152 Meters

Obstruction marking and lighting specifications for antenna structure:

It is to be 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.

None Required

Special operating conditions or restrictions:

- 1 Neither the horizontally nor vertically polarized radiation component shall exceed the following value at any azimuth.  
50.0 KILOWATTS

Special operating conditions or restrictions:

- 2 Each component shall be restricted to the following values at the azimuths specified below.  
37.0 KILOWATTS AT 230 DEGREES TRUE  
30.4 KILOWATTS AT 245 DEGREES TRUE  
36.0 KILOWATTS AT 260 DEGREES TRUE
- 3 In addition, neither radiation component shall increase at a rate exceeding 0.2 dB per degree from the azimuths of restricted radiation specified above nor exceed a maximum-to-minimum ratio of 15 dB. The rms of the vertically polarized radiation pattern shall not exceed that of the horizontally polarized radiation pattern.

\*\*\* END OF AUTHORIZATION \*\*\*