



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST TRANSLATOR/BOOSTER
STATION LICENSE

Authorizing Official:

Official Mailing Address:

UNIVERSITY OF NORTHWESTERN-ST. PAUL
3003 SNELLING AVE N
SAINT PAUL MN 55113

Penelope A. Dade
Supervisory Analyst
Audio Division
Media Bureau

Facility Id: 139123

Call Sign: K232EK

License File Number: BLFT-20141218AEH

Grant Date: January 16, 2015

This license expires 3:00 a.m.
local time, April 01, 2021.

This license covers permit no.: BPFT-20140902ADG

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: K232EK

License No.: BLFT-20141218AEH

Name of Licensee: UNIVERSITY OF NORTHWESTERN-ST. PAUL

Principal community to be served: MN-ROCHESTER

Primary Station: KTIS-FM (FM) , Channel 253, MINNEAPOLIS, MN

Via: Direct - off-air

Frequency (MHz): 94.3

Channel: 232

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 44 deg 02 min 32 sec

West Longitude: 92 deg 20 min 26 sec

Transmitter: Type Accepted. See Sections 73.1660, 74.1250 of the Commission's Rules.

Transmitter output power: 0.44 kW

Antenna type: (directional or non-directional): Non-Directional

Description: NIC BKG/77-1(NDA)

Major lobe directions (degrees true): Not Applicable

| | Horizontally Polarized Antenna: | Vertically Polarized Antenna: |
|-----------------------------------------------------------|---------------------------------------|-------------------------------------|
| Effective radiated power in the Horizontal Plane (kw): | 0.115 | 0.115 |
| Height of radiation center above ground (Meters): | 106 | 106 |
| Height of radiation center above mean sea level (Meters): | 488 | 488 |

Antenna structure registration number: 1025244

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Special operating conditions or restrictions:

- 1 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.

*** END OF AUTHORIZATION ***