



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

Authorizing Official:

Official Mailing Address:

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UNIVERSITY OF NORTHERN IOWA  
324 COMMUNICATION ARTS CENTER  
CEDAR FALLS IA 50614

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Nazifa\_Sawez  
Assistant Chief  
Audio Division  
Media Bureau

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Facility Id: 144461

Call Sign: K284CN

License File Number: BLFT-20171109AAW

Grant Date: November 15, 2017

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

This license covers permit no.: BMPFT-20171024AAD

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: K284CN

License No.: BLFT-20171109AAW

Name of Licensee: UNIVERSITY OF NORTHERN IOWA

Principal community to be served: IA-AMES

Primary Station: WOI (AM) , Frequency 640 kHz, AMES, IA

Via: Other

Frequency (MHz): 104.7

Channel: 284

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 42 deg 01 min 53 sec

West Longitude: 93 deg 39 min 03 sec

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

Transmitter output power: 0.614 kW

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

Description: ERI LPX-1E

Major lobe directions (degrees true): Not Applicable

	Horizontally Polarized Antenna:	Vertically Polarized Antenna:
Effective radiated power in the Horizontal Plane (kw):	0.25	0.25
Height of radiation center above ground (Meters):	38	38
Height of radiation center above mean sea level (Meters):	328	328

Antenna structure registration number: 1017333

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.

## Special operating conditions or restrictions:

- 2 Pursuant to Revitalization of the AM Radio Service, First Report and Order, 30 FCC Rcd 12145, 12153 para. 16 (2015), the permittee/licensee and any successor in interest (licensee) shall be subject to the following restrictions. From the grant of the construction permit and continuing until the facility has achieved four years of on-air operations rebroadcasting the primary AM station identified on this authorization, the licensee may NOT change such primary station being rebroadcast by this translator, nor may it rebroadcast another station when the primary station identified on this authorization is silent. Periods of station silence shall not count toward the fulfillment of this four-year requirement. During this same four-year period the licensee may not assign or transfer the construction permit/license to another party, unless it is to the licensee of the AM station identified on this authorization or unless such assignment or transfer provides for the continuing right of the primary station to rebroadcast on the translator. Minor modifications of this authorization are permitted, provided that the translator will continue to rebroadcast the AM station for which the modification was granted.

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