



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

Authorizing Official:

Official Mailing Address:

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EDUCATIONAL MEDIA FOUNDATION  
5700 WEST OAKS BOULEVARD  
ROCKLIN CA 95765

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Dale E. Bickel  
Senior Engineer  
Audio Division  
Media Bureau

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Facility Id: 61686

Call Sign: WIRO

License File Number: BMLED-20190322AAD

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Grant Date: June 04, 2019

This license expires 3:00 a.m.  
local time, October 01, 2020.

This license modifies license no.: BLH-20030924AFE, to change from  
commercial to noncommercial educational operation.

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.

Name of Licensee: EDUCATIONAL MEDIA FOUNDATION

Station Location: OH-IRONTON

Frequency (MHz): 107.1

Channel: 296

Class: A

Hours of Operation: Unlimited

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

Transmitter output power: 3.1 kW

Antenna type: Directional

Description: ERI LP-2E-DA-HW

Antenna Coordinates: North Latitude: 38 deg 31 min 23 sec  
West Longitude: 82 deg 39 min 11 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	3.1	3.1
Height of radiation center above ground (Meters):	100	100
Height of radiation center above mean sea level (Meters):	362	362
Height of radiation center above average terrain (Meters):	137	137

Antenna structure registration number: 1041738

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 \*\*\*\*\* This is a Section 73.215 contour protection grant \*\*\*\*\*  
\*\*\*\*\* as requested by this applicant \*\*\*\*\*

2 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:

- 3 The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by construction permit BPH-20010212ACK.

A relative field strength of 1.0 on the composite radiation pattern authorized by BPH-20010212ACK corresponds to the following effective radiated power:

3.1 kilowatts.

Principal minima and their associated effective radiated power limits:

080 - 090 degrees True: 0.245 kilowatt  
100 - 110 degrees True: 0.195 kilowatt.

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