

# Federal Communications Commission

## FM BROADCAST STATION CONSTRUCTION PERMIT

**Permittee**

EDUCATIONAL MEDIA  
FOUNDATION  
5700 WEST OAKS BLVD.  
Rocklin, CA, 95765

Call Sign	Facility ID
WKWR	90274

<b>File Number</b> 0000121876	<b>This Permit Modifies License File No.</b> BLED-20051031ADJ	
<b>Filing Date</b> 09/18/2020	<b>Grant Date</b> 02/19/2021	<b>Expiration Date</b> 36 months after the grant date

<b>Community of License</b> <b>City:</b> KEY WEST <b>State:</b> FL	<b>Frequency (MHz)</b> 90.1	<b>Station Channel</b> 211	<b>Station Class</b> A
<b>Hours of Operation:</b> Unlimited			
<b>Facility Type:</b> Noncommercial Educational			

<b>Transmitter</b> Certified for Compliance. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	<b>Transmitter Output Power</b> As required to achieve authorized ERP.
<b>Antenna Type</b> Non-Directional	<b>Antenna Coordinates (NAD 83)</b> <b>Latitude</b> 24-34-21.0 N <b>Longitude</b> 81-44-24.0 W
<b>Major Lobe Directions</b> Not Applicable	

	<b>Horizontally Polarized Antenna</b>	<b>Vertically Polarized Antenna</b>
<b>Effective Radiated Power in the Horizontal Plane (kW)</b>	0.35	0.35

<b>Height of Radiation Center Above Ground (meters)</b>	36	36
<b>Height of Radiation Center Above Mean Sea Level (meters)</b>	37	37
<b>Height of Radiation Center Above Average Terrain (meters)</b>	37	37

<b>Antenna Structure Registration Number</b> 1029778	<b>Overall Height of Antenna Structure Above Ground (meters)</b> See the registration for this antenna structure.
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<b>Obstruction Marking and Lighting Specifications for Antenna Structure</b>  See the registration for this antenna structure.
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<p><b>Special Operating Conditions or Restrictions</b></p> <p>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.</p> <ul style="list-style-type: none"> <li>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 element 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 construction distorts the AM station non-directional radiation pattern by more than 2 dB, the permittee is responsible for the installation and maintenance of any detuning apparatus necessary to restore proper operation of the non-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 WKWF(AM), Facility ID No. 31636, Key West, FL.</li> </ul>
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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.

