



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**FM BROADCAST STATION CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

---

EDUCATIONAL MEDIA FOUNDATION  
5700 WEST OAKS BLVD.  
ROCKLIN CA 95765

---

---

Rodolfo F. Bonacci  
Assistant Chief  
Audio Division  
Media Bureau

---

Facility ID: 43333

Grant Date: April 21, 2017

Call Sign: KLXF

This permit expires 3:00 a.m.  
local time, 36 months after the  
grant date specified above.

Permit File Number: BPED-20170309AAL

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.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Name of Permittee: EDUCATIONAL MEDIA FOUNDATION

Station Location: CA-MODESTO

Frequency (MHz): 90.5

Channel: 213

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: As required to achieve authorized ERP.

Antenna type: Non-Directional

Antenna Coordinates: North Latitude: 37 deg 36 min 28 sec  
 West Longitude: 120 deg 57 min 27 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	5.0	5.0
Height of radiation center above ground (Meters):	33	33
Height of radiation center above mean sea level (Meters):	62	62
Height of radiation center above average terrain (Meters):	38	38
Antenna structure registration number: 1246052		

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 Waiver of 47 C.F.R. Section 73.1125 was previously granted to allow operation of this facility as a satellite operation of the following station:  
  
 KLVR(FM), Facility Id No. 18801, Middletown, CA, Educational Media Foundation.
- 2 THE AUTOMATIC PROGRAM TEST PROVISIONS OF 47 C.F.R. SECTION 73.1620 DO NOT APPLY IN THIS CASE. A FORMAL REQUEST FOR PROGRAM TEST AUTHORITY MUST BE FILED IN CONJUNCTION WITH FCC FORM 302-FM, APPLICATION FOR LICENSE, BEFORE PROGRAM TESTS WILL BE AUTHORIZED. This request must contain documentation which demonstrates compliance with the following special operating condition(s):
- 3 The permittee/licensee shall, upon completion of construction and during the equipment test period, make proper radiofrequency electromagnetic (RF) field strength measurements throughout the transmitter site area to determine if there are any areas that exceed the FCC guidelines for human exposure to RF fields. If necessary, a fence must be erected at such distances and in such a manner as to prevent the exposure of humans to RF fields in excess of the FCC Guidelines (OET Bulletin No. 65, Edition 97-01, August 1997). The fence must be a type which will preclude casual or inadvertent access, and must include signage at appropriate intervals which describe the nature of the hazard. Any areas within the fence found to exceed the recommended guidelines must be clearly marked with appropriate additional signage. Documentation demonstrating compliance with the FCC radiofrequency electromagnetic field exposure guidelines shall be submitted when filing the FCC Form 302-FM.

## Special operating conditions or restrictions:

- 4 Documentation demonstrating compliance with the special operating condition(s) may be submitted in advance of the filing of FCC Form 302-FM.
  
- 5 PROGRAM TESTS FOR KLXF (FACILITY ID# 43333) WILL NOT COMMENCE ON CHANNEL 213A WITH THE FACILITIES SPECIFIED HEREIN UNTIL PROGRAM TESTS FOR KYKL (FACILITY ID# 92062) COMMENCE ON CHANNEL 214B1 WITH THE FACILITIES SPECIFIED IN BPED-20170309AAK AND A LICENSE WILL NOT BE GRANTED FOR KLXF ON CHANNEL 213A WITH THE FACILITIES SPECIFIED HEREIN UNTIL A LICENSE IS GRANTED FOR KYKL ON CHANNEL 214B1 WITH THE FACILITIES SPECIFIED IN BPED-20170309AAK.
  
- 6 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.
  
- 7 Educational Media Foundation requests waiver of 47 C.F.R. § 73.509 to allow Station KLXF, as authorized herein, to receive contour overlap from the 100 dBu contour of second adjacent channel Station KBDG(FM), Turlock, CA (Facility ID No. 3051) on Channel 213A. We have afforded this request the "hard look" called for under WAIT Radio v. FCC, 418 F.2d 1153 (D.C. Cir. 1969), and find that the facts and circumstances presented in the applicant's justification are sufficient to establish that grant of the requested waiver is in the public interest. Accordingly, waiver of 47 C.F.R. § 73.509 IS HEREBY GRANTED. Furthermore, further modifications of Station KBDG will not be construed as a "per se" modification of KLXF's facility. (See Educational Information Corporation, 6 FCC Rcd 2207 (1991)).

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