

Federal Communications Commission

FM AUXILIARY ANTENNA STATION LICENSE

Permittee

EDUCATIONAL MEDIA
FOUNDATION
5700 WEST OAKS BLVD
ROCKLIN, CA, 95765

Call Sign	Facility ID
KAER	93355

File Number 0000106793	This License Covers Construction Permit No. BMXPED-20190325AAP	
Filing Date 02/28/2020	Grant Date 03/04/2020	Expiration Date 10/01/2021

Community of License City: MESQUITE State: NV	Frequency (MHz) 89.3	Station Channel 207	Station Class C
Hours of Operation: Unlimited - For auxiliary purposes only			

Transmitter Certified for Compliance. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.	Transmitter Output Power 1.55 kW
Antenna Type Directional	Antenna Coordinates (NAD 83) Latitude 36-0-33.9 N Longitude 115-0-23.0 W
Antenna Description Shively,6025-2/1-DA-Special, 2 sections,1.0	

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective Radiated Power in the Horizontal Plane (kW)	9	9
Height of Radiation Center Above Ground (meters)	22	22

Height of Radiation Center Above Mean Sea Level (meters)	1013	1013
Height of Radiation Center Above Average Terrain (meters)	314	314

Antenna Structure Registration Number Not Required	Overall Height of Antenna Structure Above Ground (meters) 55
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Obstruction Marking and Lighting Specifications for Antenna Structure

It is expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303 (q) of the Communications Act of 1934, as amended.

Special Operating Conditions or Restrictions

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.

- The licensee has demonstrated compliance with the FCC radiofrequency electromagnetic field exposure guidelines based on the use of the antenna specified herein. If the licensee makes any changes in the facilities via a modification of license application in accordance with 47 C.F.R. Section 73.1690(c), the subsequent application for license must include a revised RF field showing to demonstrate continued compliance with the FCC guidelines.
- 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 BMXPED-20190325AAP. A relative field strength of 1.0 on the composite radiation pattern authorized by Construction Permit BMXPED-20190325AAP corresponds to the following effective radiated power: 9.0 kilowatts. Principal minimum and its associated field strength limit: 250 degrees True: 0.004 kilowatt (4.0 watts).

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.

