

Federal Communications Commission

FM TRANSLATOR BROADCAST STATION CONSTRUCTION PERMIT

Permittee

CASCADE EDUCATIONAL BROADCAST SERVICE /ABN/ XRAY.
FM
PO Box 12147
PORTLAND, OR, 97212

Call Sign	Facility ID
K219KU	85732

File Number 0000196784	This Permit Modifies License File No. BLFT-20060525ACI	
Filing Date 08/02/2022	Grant Date 08/23/2022	Expiration Date 08/22/2025

Community of License City: NEHALEM State: OR	Frequency (MHz) 91.7	Station Channel 219	Station Class D
Primary Station KXRY PORTLAND OR		Via Internet	
Hours of Operation: Unlimited			

Transmitter Certified for compliance per 74.1250 or verified for compliance per 73.1660 of the Commission's Rules.	Transmitter Output Power As required to achieve authorized ERP.
Antenna Type Non-Directional	Antenna Coordinates (NAD 83) Latitude 45-43-03 N Longitude 123-53-38 W
Major Lobe Directions Not Applicable	

	Horizontally Polarized Antenna	Vertically Polarized Antenna
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Effective Radiated Power in the Horizontal Plane (kW)	0.12	0.12
Height of Radiation Center Above Ground (meters)	9	9
Height of Radiation Center Above Mean Sea Level (meters)	13.0	13.0
Height of Radiation Center Above Average Terrain (meters)	159.7	

Antenna Structure Registration Number Not Required	Overall Height of Antenna Structure Above Ground (meters) 9
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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.

- Prior to commencing program test operations, FM Translator or FM Booster permittee must have on file an Application for an FM Translator or FM Booster Station License, pursuant to 47 C.F.R. Section 74.14.

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.