

Federal Communications Commission

FM BOOSTER BROADCAST STATION CONSTRUCTION PERMIT

Permittee

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

Call Sign

WAVE-FM1

Facility ID

203413

File Number 0000180036	This Permit Modifies License File No. 0000150636	
Filing Date 01/14/2022	Grant Date 02/08/2022	Expiration Date 02/07/2025

Community of License City: ELMWOOD PARK State: IL	Frequency (MHz) 94.3	Station Channel 232	Station Class D
Primary Station WAVE GLENDALE HEIGHTS IL	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 Directional	Antenna Coordinates (NAD 83) Latitude 41-55-36.0 N Longitude 87-48-24.0 W
Major Lobe Directions 60	

	Horizontally Polarized Antenna	Vertically Polarized Antenna
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Effective Radiated Power in the Horizontal Plane (kW)	0.9	0.9
Height of Radiation Center Above Ground (meters)	48	48
Height of Radiation Center Above Mean Sea Level (meters)	246.1	246.1

Antenna Structure Registration Number 1029448	Overall Height of Antenna Structure Above Ground (meters) See the registration for this antenna structure.
Obstruction Marking and Lighting Specifications for Antenna Structure See the registration for this antenna structure.	
Special Operating Conditions or Restrictions <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"> • 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.