

FEDERAL COMMUNICATIONS COMMISSION

CLASS OF STATION FM

The following application is submitted for action by the Chief, Broadcast Bureau

FILE NO.	APPLICANT & LOCATION	CALL LETTERS	NATURE OF APPLICATION
BLH-791022AD	BLUESTEM BROADCASTING CO., INC.		License to cover (BPH-10596, as mod.) for changes.
	EMPORIA, KANSAS	KLRF	License expires 6-1-80.

CHIEF, LICENSE DIVISION

Recommendation: Grant ☒ Construction dates, Start \_\_\_\_\_ End \_\_\_\_\_  
 Contested ( ) Uncontested ☒

MAIN

ERP: 3 KILOWATTS (HORZ & VERT)

HAAT: 280 FEET (HORZ & VERT)

TPO: 900 WATTS

TRANSMITTER TYPE ACCEPTED

ANTENNA SAME AS BPH-10596, DATED 6/28/77

GRANTED  
JUN 2 1980

APR 1 1980

Approved \_\_\_\_\_

*S/ [Signature]*  
 For Chief, Broadcast Bureau



UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BFH-10596

Call Sign: K L R F

FM BROADCAST STATION CONSTRUCTION PERMIT

Subject to the provisions of the Communications Act of 1934, as amended, treaties, and Commission Rules, and further subject to the conditions set forth in this permit, 1/ authority is hereby granted to construct an FM broadcast station located and described as follows:

Permittee: BLUESTEM BROADCASTING CO., INC.

Authorized assignment:

1. Frequency (MHz) .....: 104.9
2. Transmitter output power .....: 910 Watts
3. Effective radiated power .....: 3 Kilowatts (H&V)
4. Antenna height above  
average terrain (feet) .....: 280 feet (H&V)
5. Hours of operation .....: Unlimited
6. Station location .....: Emporia, Kansas
7. Main studio location .....: 75 Soden's Drive  
Emporia, Kansas
8. Remote Control point .....: -----

9. Antenna & supporting structure: .....: North Latitude: 38° 23' 10"  
West Longitude: 96° 10' 36"

RCA, BFH-8B, 8 sections (H&V), side-mounted near the top of a uniform cross-section, guyed, steel tower also used as the AM radiator for Station KVOE.  
OVERALL HEIGHT ABOVE GROUND: 364 feet.

10. Transmitter location .....: 75 Soden's Drive  
Emporia, Kansas

11. Transmitter(s) .....: COLLINS, 8300-1A

12. Obstruction markings specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12, & 21

13. Conditions: During installation of the FM antenna, AM station KVOE shall determine operating power by the indirect method. Upon completion of the installation, antenna impedance measurements of the AM antenna shall be made and BEFORE FM PROGRAM TESTS ARE AUTHORIZED, the results submitted to the Commission along with a tower sketch of the installation in an application for station KVOE to return to the direct method of power determination.

14. Date of required commencement of construction : August 28, 1977

15. Date of required completion of construction... : June 28, 1978

Equipment and program tests shall be conducted only pursuant to Sections 73.216 and 73.217 of the Commission Rules.

This permit shall be automatically forfeited if the station is not ready for operation within the time specified or within such further time as the Commission may allow unless completion of the station is prevented by causes not under the control of the permittee. See Section 1.599 of the Commission Rules.

1/ This construction permit consists of this page and pages

Dated: June 28, 1977

FEDERAL  
COMMUNICATIONS  
COMMISSION



JUL 19 1977