



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**FM BROADCAST STATION LICENSE**  
**AUXILIARY ANTENNA**

Authorizing Official:

Official Mailing Address:

JAMES MADISON UNIVERSITY BOARD OF VISITORS  
C/O WMRA 983 RESERVOIR STREET  
HARRISONBURG VA 22801

Arthur E. Doak  
Senior Engineer  
Audio Division  
Media Bureau

Grant Date: June 05, 1996

Facility Id: 65447

Call Sign: WMRA

This license expires 3:00 a.m.  
local time, October 01, 2002.

License File Number: BMLLED-19950728KD

This license modifies License No.: BLED-860327KC

Dated: 05/19/86

For Auxiliary Purposes Only

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.

Name of Licensee: JAMES MADISON UNIVERSITY BOARD OF VISITORS

Station Location: VA-HARRISONBURG

Frequency (MHz): 90.7

Channel: 214

Class: B

Hours of Operation: Unlimited -- For auxiliary purposes only

Transmitter: Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Transmitter output power:

Antenna type: Directional

Description: ODD ODD860327KC

Antenna Coordinates: North Latitude: 38 deg 33 min 40 sec  
 West Longitude: 78 deg 56 min 56 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	21.5	21.5
Height of radiation center above ground (Meters):	51	51
Height of radiation center above mean sea level (Meters):	735	735
Height of radiation center above average terrain (Meters):	219	219

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 56 Meters

Obstruction marking and lighting specifications for antenna structure:

It is to be 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.

None Required

Special operating conditions or restrictions:

- 1 ANTENNA DESCRIPTION: ERI DA-1005-2B TWO SECTION DIRECTIONAL ANTENNA, HORIZONTALLY AND VERTICALLY POLARIZED, POLE-MOUNTED AT THE 51 METER LEVEL (HEIGHT OF ANTENNA RADIATION CENTER ABOVE GROUND LEVEL) ON A UNIFORM CROSS-SECTION GUYED TOWER.

Special operating conditions or restrictions:

- 2 The permittee/licensee 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.
  
- 3 The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at an azimuth the value indicated on the composite radiation pattern authorized by Construction Permit (BMPED-841212IE).  
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A relative field strength of 1.0 on the composite radiation pattern authorized corresponds to the following effective radiated power:  
21.5 kilowatts  
-  
Principal minima and their associated field strength limits:  
290 degrees True: 0.484 kilowatts

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