



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

EASTERN KENTUCKY UNIVERSITY
102 PERKINS BUILDING
521 LANCASTER DRIVE
RICHMOND KY 40475

Arthur E. Doak
Senior Engineer
Audio Division
Media Bureau

Facility ID: 92574

Grant Date: December 18, 2002

Call Sign: WEKC

This permit expires 3:00 a.m.
local time, 36 months after the
grant date specified above.

Permit File Number: BPED-19990114ME

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.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Name of Permittee: EASTERN KENTUCKY UNIVERSITY

Station Location: KY-CORBIN

Frequency (MHz): 88.5

Channel: 203

Class: C2

Hours of Operation: Unlimited

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

Transmitter output power: As required to achieve authorized ERP.

Antenna type: Directional

Antenna Coordinates: North Latitude: 37 deg 01 min 13 sec
West Longitude: 84 deg 23 min 41 sec

Horizontally Polarized Antenna	Vertically Polarized Antenna
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Effective radiated power in the Horizontal Plane (kW):	21.0
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Height of radiation center above ground (Meters):	46
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Height of radiation center above mean sea level (Meters):	465
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Height of radiation center above average terrain (Meters):	152
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Antenna structure registration number: 1044797

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Special operating conditions or restrictions:

- 1 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.
- 2 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance may be accomplished using the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances. Engineering exhibits should include a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration.
- 3 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit an affidavit from a licensed surveyor to establish that the directional antenna has been oriented at the proper azimuth.

Special operating conditions or restrictions:

- 4 BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee/licensee shall submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit shall include a certification by the engineer that the antenna was installed pursuant to the manufacturer's instructions and list the qualifications of the certifying engineer.
- 5 The relative field strength of the measured vertically polarized radiation component shall not exceed at any azimuth the value indicated on the composite radiation pattern authorized by this construction permit.

A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power:

21 kilowatts

Principal minimum and its associated field strength limit:

310 degrees True: 4.482 kilowatts

- 6 The permittee has specified the use of a Shively 6513 antenna to demonstrate compliance with the FCC radiofrequency electromagnetic field exposure guidelines. If any other type of antenna is to be used with the facilities authorized herein, a FORMAL REQUEST FOR PROGRAM TEST AUTHORITY must be filed in conjunction with the FCC Form 302-FM, Application for License, BEFORE program tests will be authorized. This request should be made at least 10 days prior to the date on which program tests are desired to commence. The request must include a revised RF field showing to demonstrate continued compliance with the FCC guidelines.
- 7 In accordance with Section 73.525(c) of the Commission's Rules, the permittee shall effectively install 959 filters on television receivers located within the predicted interference area within ninety (90) days after commencing program tests and, no later than forty five (45) days thereafter, provide TV channel six Station WATE-TV, Knoxville, Tennessee (Facility ID No.: 71802) with a certification containing sufficient information to permit verification of such installations.
- 8 Waiver of 47 C.F.R § 73.1125 IS HEREBY GRANTED to allow the operation of this station as a satellite operation of Station WEKU(FM), Richmond, Kentucky (Facility ID No.: 18307), in accordance with the terms of Letter to Counsel, reference 1800B3-ALM (Chief, Audio Division, Media Bureau, December 18, 2002).

*** END OF AUTHORIZATION ***