

FM BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, as amended, treaties, and Commission Rules, and further subject to conditions set forth in this license, the LICENSEE

BASIC COMMUNICATIONS, INC.

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time: **OCTOBER 1, 1978**

The licensee shall use and operate said apparatus only in accordance with the following terms:

1. Frequency (MHz) : 98.7
2. Transmitter output power : 22 kilowatts
3. Effective radiated power : 50 kilowatts (H&V)
4. Antenna height above average terrain (feet) : 390 feet (H&V)
5. Hours of operation : Unlimited
6. Station location : Wheeling, West Virginia
7. Main studio location : 1015 Main Street
Wheeling, West Virginia
8. Remote Control point : 1015 Main Street
Wheeling, West Virginia

9. Antenna & supporting structure: North Latitude: 40° 04 ' 58 "
West Longitude: 80° 46 ' 18 "

JAMPRO JSCP-3 directional, 3 sections (H&V), mast-mounted atop uniform cross-section guyed tower.
OVERALL HEIGHT ABOVE GROUND: 300 feet.

10. Transmitter location : Woods Road
1.1 miles N. of National Road, near
Brookside, Ohio

11. Transmitter(s) : McMARTIN, BF-25K

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

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

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 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.

↓ This license consists of this page and pages

Dated: May 12, 1978

FEDERAL COMMUNICATIONS COMMISSION



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Engineering Exhibit

WOVK

RF Radiation Compliance

Although WOVK is not eligible to use the "RF Exposure Worksheet", the facility does comply with the FCC established guidelines regarding exposure to RF electromagnetic fields as described in OET Bulletin 65. The alternate method for showing compliance is described below.

Facilities:

WOVK is licensed for 50 KW Vertical and 50 KW Horizontal for a total station ERP of 100kW. WOVK utilizes a 3 bay, full wave spaced Jampro JSCP Antenna (i.e. a typical modern antenna). The Antenna is mounted on a guyed tower with a Radiation center above ground level of 87 meters.

General Population/Uncontrolled Exposure:

To determine the power density of WOVK, the FCC's "FM Model" computer program (version 2.10) was used to predict the power density at 2 meters above the ground. The antenna Radiation Center above ground was set to 87 meters, ERP for each horizontal and vertical polarization was set at 50,000 Watts (100 KW total), and the antenna type was set to 'Jampro "Double V" (EPA)' with 3 elements and full wave spacing. The maximum predicted power density was determined to occur at a distance of 39.6 meters from the base of the tower and does not exceed 71.9 microwatts/cm², or less than 36% of the limit of 200 microwatts/cm² for General Population/Uncontrolled exposure for FM stations.

Occupational/Controlled Exposure:

Using the prediction methods described above, WOVK also complies with OET Bulletin 65 with regard to Occupational/Controlled Exposure. Procedures for limiting exposure by reducing power or ceasing operation to avoid exceeding the limits for Occupational/Controlled Exposure are posted at the transmitter site.