

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

MODIFIED

File No.: DS-308
FAC ID: 63936
Call Sign: WAVE
WGT/K

STANDARD BROADCAST STATION LICENSE
MAIN AND AUXILIARY TRANSMITTERS

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, ¹/_{the} LICENSEE

ORION BROADCASTING, 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 August 1, 1979

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

1. On a frequency of 970 kHz.
2. With nominal power of 5 kilowatts nighttime and 5 kilowatts daytime, with antenna input power of 5.4 kilowatts - directional common point current 10 amperes, antenna nighttime common point resistance 54 ohms, and antenna input power of 5.4 kilowatts - directional common point current 10 amperes, antenna daytime common point resistance 54 ohms.
3. Hours of operation: Unlimited:
Average hours of sunrise and sunset:
Jan. 7:00am to 4:45pm; Feb. 6:30am to 5:15pm; Mar. 6:00am to 5:45pm; Apr. 5:15am to 6:15pm; May 4:30am to 6:45pm; June 4:15am to 7:15pm; July 4:30am to 7:00pm; Aug. 5:00am to 6:45pm; Sep. 5:30am to 6:00pm; Oct. 5:45am to 5:00pm; Nov. 6:30am to 4:30pm; Dec. 7:00am to 4:30pm;
Central Standard Time (not advanced)
AUXILIARY: 11av Night & Day
common point current 4.47 amperes
antenna input power 1.08kw
4. With the station located at: Louisville, Kentucky
5. With the main studio located at: 725 S. Floyd Street, Louisville, Kentucky
6. Remote control point: 725 S. Floyd Street, Louisville, Kentucky
7. Transmitter location:
North Latitude: 38 19 05 "
West Longitude: 85 0 44 39 "

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12 & 21.
9. Transmitter(s): RCA, BTA-5H(Main) - RCA, 1-G(modified to include 250-K exciter-Auxiliary)
10. 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.

¹/_{This} license consists of this page and pages 2 & 3.

Dated: November 2, 1976

FEDERAL
COMMUNICATIONS
COMMISSION



File No.: BR-308

Call Sign: W-A-V-E

Date:

11-02-76
7-12-76

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-2

No. and Type of Elements: Two uniform, cross-section, guyed, series-excited vertical steel radiators.

Height above Insulators: 250' (88.8°)

Overall Height: 253'

Spacing and Orientation: 413' (146.5°) on a line bearing 11° true.

Non-Directional Antenna:

None used.

Ground System consists of 120-300' equally spaced, buried, copper radials plus 100-20' equally spaced radials about the base of each tower. Intersecting radials shortened and bonded to transverse copper strap midway between towers.

2. THEORETICAL SPECIFICATIONS

TOWER	S(#1)	N(#2)
Phasing:		
Night	0°	88°
Day	0°	140°
Field Ratio:		
Night	1.0	0.95
Day	1.0	0.40

3. OPERATING SPECIFICATIONS

Phase Indication*	Night	
Night	0°	+76°
Day	0°	+127.5°

Antenna Base	Night	
Current Ratio:	1.0	0.95
Day	0.382	1.0

Antenna Monitor Sample	Night	
Current Ratio:	1.0	0.93
Day	0.395	1.0

*As indicated by Potomac Instruments AM-19(204) antenna monitor.

Field measuring equipment shall be available at all times and the field intensity at each of the monitoring points shall be measured at least once every thirty days and an appropriate record kept of all measurements so made.

DIRECTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 11° true North. Proceed from the transmitter, north on Hamburg Pike approximately 0.5 miles to its intersection with Charlestown - New Albany Pike. Proceed southwest on Charlestown - New Albany Pike approximately 0.5 miles to I-65. Proceed north on I-65 approximately 5 miles to the Sellersburg exit. Proceed northeast through Sellersburg on U.S. Highway 31 approximately 1.0 mile to junction with Indiana Highway 403. Proceed northeast on Highway 403, 1.4 miles to intersection with John Noble Road (Prather Road). Turn right and proceed 0.95 miles to monitor point. Monitor point is in woods, 50 feet north of the intersection of John Noble (Prather) Road and Jenks Road. This is point No. 8 of the survey and is 6.27 miles from the antenna. The field intensity measured at this point should not exceed 68.5 mV/m, DAYTIME.

Direction of 297° true North. Proceed from the transmitter, north on Hamburg Pike .9 miles to its intersection with U.S. Highway 31W at Hamburg. Proceed southwest on U.S. Highway 31W approximately 3.6 miles to the intersection with St. Joseph Road. Proceed northwest on St. Joseph Road approximately 0.3 miles to a private drive on the southwest side, leading to a barn. Monitor point is at the end of this drive, 25 feet toward the residence from the barn. This is Point No. 4 of the survey and is 3.61 miles from the antenna. The field intensity measured at this point should not exceed 54 mV/m, DAYTIME.

Direction of 62° true North. Proceed from the transmitter, north on Hamburg Pike 0.4 miles to Charlestown - New Albany Pike. Proceed northeast on Charlestown - New Albany Pike 1.2 miles to the intersection with Holeman's Lane. Proceed southeast on Holeman's Lane 1.0 miles to Indiana Highway 62. Proceed north-northeast on Indiana Highway 62 for 1.6 miles to New Chapel Road. Proceed northeast on New Chapel Road 0.5 miles to a 90 degree turn to the southeast. Follow same road 0.9 miles to a private drive on the southwest side. Monitor point is on the northwest side of this drive, 100 feet from its intersection with the paved road. This is point No. 8 of the survey and is 3.4 miles from the antenna. The field intensity measured at this point should not exceed 9.8 mV/m, NIGHTTIME.

Direction of 320° true North. Proceed from the transmitter north on Hamburg Pike, 4.9 miles to its intersection with U. S. Highway 31W at Hamburg. Proceed southwest on U. S. highway 31W, 2.1 miles to the intersection with Chapel Lane. Monitor point is in the parking lot of Jacobs Chapel Methodist Church, 100 feet northwest of the Church. This is point No. 8 of the survey and is 3.58 miles from the antenna. The field intensity measured at this point should not exceed 14.1 mV/m, NIGHTTIME.