

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: **BZ-8235**

Call Sign: **W R B J**

STANDARD BROADCAST STATION LICENSE

MODIFIED

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

WITNER BROADCASTING COMPANY, 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, 1973**

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

1. On a frequency of **1580** kHz.
2. With nominal power of - watts nighttime and **1 kilo** watts daytime
With antenna input power of - watts - directional [- current, - amperes
antenna nighttime [- resistance, - ohms
and antenna input power of **1.00 kilo** watts - directional [**common point** current, **4.6** amperes
antenna daytime [**common point** resistance, **51** ohms
3. During the following period or periods of time: **Daytime as follows:**
Jan. 8:15am to 5:30pm; Feb. 7:30am to 6:15pm;
Mar. 6:45am to 6:15pm; Apr. 6:00am to 7:15pm;
May 5:15am to 8:00pm; June 5:00am to 8:15pm;
July 5:15am to 8:15pm; Aug. 5:45am to 7:45pm;
Sep. 6:15am to 6:45pm; Oct. 6:15am to 6:00pm;
Nov. 7:30am to 5:15pm; Dec. 8:00am to 5:00pm;
Eastern Standard Time (non-advanced)
4. With the station located at: **St. Johns, Michigan**
5. With the main studio located at:
1363 Parks Road
St. Johns, Michigan
6. The apparatus herein authorized to be used and operated is located at: North Latitude: **42° 58' 14"**
1363 Parks Road, St. Johns, Michigan West Longitude: **84° 32' 59"**
7. Transmitter(s):
GATES Type BC-1T
(or other transmitter currently listed in the Commission's "Radio Equipment List, Part B, Aural Broadcast Equipment" for the power herein authorized).
8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: **None required.**

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.**

FEDERAL COMMUNICATIONS COMMISSION

Dated: **January 15, 1973**

Ron T. Waples

Secretary



File No. BZ-8235

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Date 1-15-73

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- D

No. and Type of Elements: Three uniform cross-section, guyed series-excited steel towers.

Height above Insulators: 150' (87°)

Overall Height: 155'

Spacing and Orientation: 294.2' (170°) between adjacent towers on a line bearing 76° true.

Non-Directional Antenna: None used.

Ground System consists of 120-150' equally spaced buried copper radials about the base of each tower. Radials are bonded at points of intersection.

2. THEORETICAL SPECIFICATIONS

	W(#1)	C(#2)	E(#3)
Phasing:	- 46°	0°	46°
Field Ratio:	0.546	1.0	0.546

3. OPERATING SPECIFICATIONS

Phase Indication:*	-42°	0°	32°
Antenna Base Current Ratio:	0.644	1.0	0.539

Phase Monitor Sample

Current Ratio:	0.598	1.0	0.536
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*As indicated by Nems-Clarke 108E phase monitor.

Phase indications and antenna base currents shall be read and entered in the operating log at least once each hour.

Phase monitor sample currents may be read and logged in lieu of base currents provided base currents are read and logged at least once daily.

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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.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 29° true North. Proceed east 0.35 mile on Parks Road to U.S. 27. Then proceed north on 27 for 1.00 mile where Scott Road and Townsend Road joins the highway. Proceed north on Scott for 2.0 miles. Then proceed east on Walker Road for 1.45 miles. The reading is taken 35 steps south of telephone pole #30, in field. The distance to the point is 3.52 miles. The field intensity measured at this point should not exceed 3.4 mv/m.

Direction of 76° true North. Proceed east on Parks Road for 3.32 miles. Turn north on Chandler Road and proceed north for 0.7 miles. The reading is taken midway between two trees on the east side of the road, the south tree has a NO HUNTING sign on its trunk. The distance to the point is 3.39 miles. The field intensity measured at this point should not exceed 5.0 mv/m.

Direction of 98° true North. Proceed east on Parks Road for 2.3 miles. Turn South on Krepps and proceed for 0.53 mile. The reading is taken east of the road by 25 steps and south of the fence (with cement end post) by 25 steps. The distance to the monitoring point is 2.38 miles. The field intensity measured at this point should not exceed 5.0 mv/m.

Direction of 114° true North. Proceed east on Parks Road for 0.35 mile. Then proceed south on U.S. 27 for one mile. Then proceed east on Taft Road for 1.95 miles. The reading is taken 30 steps north of the tree with a triple trunk, the point is due west of a tree in the field. The distance to the point is 2.37 miles. The field intensity measured at this point should not exceed 5.0 mv/m.

Direction of 256° true North. Proceed 1.7 miles west on Parks Road to Dewitt Road. Then proceed south on Dewitt road for 0.65 mile. Reading is taken west of road by 25 steps at the end of a fence. Reading is on border between two fields. Distance to the point is 1.76 miles. The field intensity measured at this point should not exceed 27 mv/m.