

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BZ-910801AF

Call Sign : WUNI

LICENSEE:

**Nicholas Communications Corporation**

1. Community of License .....: Bay City, MI  
2. Transmitter location .....: 2500 W. Freeland Road  
Bay City, MI  
North latitude .....: 43° 31' 27"  
West longitude .....: 83° 57' 58"  
6. Antenna and ground system: Attached

3. Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's rules)  
4. Main Studio location: (See Section 73.1125)  
3071 Bay Road, Suite 100  
Saginaw, MI  
5. Remote control location:  
(Same)

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 11, and 24

8. Frequency .....: 1440 KHz

9. Nominal power (kW) .....: 5.0 Day 2.50 Night

Antenna input power (kW):

5.4 Day  Non-directional antenna:  
 Directional antenna : current 10.4 amperes; resistance 50 ohms.  
2.17 Night  Non-directional antenna:  
 Directional antenna : current 6.59 amperes; resistance 50 ohms.

3. Hours of operation: Specified in BL-790901AC

1. Conditions .....

10/16/91 : This supersedes authorization as of same date to correct the address of transmitter location and of main studio location.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules made thereunder, and further subject to conditions set forth in this license,<sup>1</sup> the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 AM. Local Time

April 1, 1997

The Commission reserves the right during said license period of terminating this license or making effective any change, 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.

The license is issued on the licensee's representation that the statements contained in the 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, as amended. 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, as amended.

<sup>1</sup> This license consists of this page and pages 2 & 3 JV/ed

Dated: 30 SEP 1001

FEDERAL  
COMMUNICATIONS  
COMMISSION



OCT 1 1991

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Date:

DA-2

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three, guyed series-excited, steel radiators of uniform cross section. Theoretical RMS: 755.27 mV/m, day 450.62 mV/m, night. Standard RMS: 793.51 mV/m, day; 473.59 mV/m; night. Q: 26.15 Daytime. Q: 19.47 Nighttime.

Height above Insulators: 66.55 m (115.0°)

Overall Height: 67.47 m

Spacing and Orientation: Towers are adjacently spaced 90° on a line bearing 21.5° T.

Non-Directional Antenna: Not authorized

Ground System consists of 120 radials, equally spaced, 52.07 m in length except where shortened and bonded to transverse strap or terminated at the property boundaries.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower	S(#1)	C(#2)	N(#3)
Night		0°	206°	51°
Day		0°	-139.5°	80°

FIELD RATIO:

Night	1.0	1.15	0.58
Day	1.0	3.02	2.87

3. OPERATING SPECIFICATIONS

Phase Indication\*:

Night	+154.0°	0°	-148.4°
Day	+141.5°	0°	-133.6°

Antenna Base Current Ratio

Night	0.890	1.00	0.445
Day	0.412	1.00	0.790

Antenna Monitor Sample Current Ratio:

Night	0.789	1.00	0.517
Day	0.336	1.00	0.861

\* As indicated by Potomac Instrument AM-19D(210) antenna monitor.

Antenna sampling system approved under section 73.68 (b) rules.

DIRECTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of  $103.5^{\circ}$  true North. From the transmitter driveway, drive east on W. Freeland Road 1.05 miles to Michigan Rd. Turn right and drive 0.16 mile to the monitor point on the right(west) side of the road opposite a fieldentrance. The distance to the point is 1.06 miles. The field intensity measured at this point should not exceed 56.4 mV/m, NIGHTTIME.

Direction of  $132^{\circ}$  true North. From the transmitter driveway, drive east on W. Freeland Road 1.05 miles to Michigan Rd. Turn right and drive south 1.0 mile to Pierce Rd. Turn left and drive 0.15 mile to the monitor point. The point is approximately 20 feet in the lane east of the junction of Pierce Rd. and Rodawahn Rd. The distance to the point is 1.60 miles. The field intensity measured at this point should not exceed 85.03 mV/m, DAYTIME.

Direction of  $157^{\circ}$  true North. From the transmitter driveway, drive east 0.5 mile to Davis Rd. Turn right and drive south 1.0 mile to Pierce Rd. Turn right and drive 0.05 mile to the monitor point on the right (north) side of the road. The distance to the point is 1.15 miles. The field intensity measured at this point should not exceed 54 mV/m, NIGHTTIME.

Direction of  $201.5^{\circ}$  true North. From the transmitter driveway, drive west on W. Freeland Road 0.4 mile to Hwy 84. Turn left and drive south 1.0 mile to Pierce Rd. Turn right and drive west 0.05 mile to the monitor point on the right (north) side of the road. The distance to the point is 1.13 miles. The field intensity measured at this point should not exceed 142.9 mV/m, NIGHTTIME and 203.3 mV/m, DAYTIME.

Direction of  $246^{\circ}$  true North. From the transmitter driveway, drive west 0.4 mile on W. Freeland Road to Hwy. 84. Turn left and drive south 1.0 mile to Pierce Rd. Turn right and drive west 1.05 miles to Mackinaw Rd. Turn right and drive north 0.45 miles to the monitor point on the right (east) side of the road. The distance to the point is 1.55 miles. The field intensity measured at this point should not exceed 54 mV/m NIGHTTIME.

Direction of  $271^{\circ}$  true North. From the transmitter driveway, drive west on W. Freeland Rd., 1.5 miles to Mackinaw Rd. Turn right and drive north 0.05 mile to the monitor point on the right (east) side of the road. The distance to the point is 1.45 miles. The field intensity measured at this point should not exceed 1063 mV/m, DAYTIME.

Direction  $299.5^{\circ}$  true North. From the transmitter driveway, drive west on W. Freeland Road 1.45 miles to Mackinaw Rd. Turn right and drive north 0.85 mile to the monitor point on the right (east) side of the road approximately 30 feet south of some road signs. The distance to the point is 1.66 miles. The field intensity measured at this point should not exceed 42 mV/m, NIGHTTIME.