



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

WMUZ RADIO, INC.
P.O. BOX 3003
BLUE BELL PA 19422

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 61679

Call Sign: WEXL

License File Number: BL-19990413DC

Grant Date: July 13, 1999

This license expires 3:00 a.m.
local time, October 01, 2004.

This authorization re-issued to reflect a new antenna monitor and new operating parameters as notified on 11/24/99.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

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 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. 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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	8:00 AM	5:30 PM	Jul.	5:00 AM	8:15 PM
Feb.	7:30 AM	6:00 PM	Aug.	5:45 AM	7:30 PM
Mar.	6:45 AM	6:45 PM	Sep.	6:15 AM	6:45 PM
Apr.	6:00 AM	7:15 PM	Oct.	6:45 AM	5:45 PM
May	5:15 AM	7:45 PM	Nov.	7:30 AM	5:15 PM
Jun	5:00 AM	8:15 PM	Dec	8:00 AM	5:00 PM

Name of Licensee: WMUZ RADIO, INC.

Station Location: ROYAL OAK, MI

Frequency (kHz): 1340

Station Class: C

Antenna Coordinates:

Day

Latitude: N 42 Deg 28 Min 10 Sec
Longitude: W 83 Deg 06 Min 54 Sec

Night

Latitude: N 42 Deg 28 Min 10 Sec
Longitude: W 83 Deg 06 Min 54 Sec

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

Nominal Power (kW): Day: 1.0 Night: 1.0

Antenna Input Power (kW): Day: 1.08 Night: 1.0

Antenna Mode: Day: DA Night: ND

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 4.64 Night: 9.6

Resistance (ohms): Day: 50 Night: 10.8

Non-Directional Antenna: Night

Radiator Height: 125 meters; 201 deg

Theoretical Efficiency: 424.86 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Table with 3 columns: Tower No., ASRN, Overall Height (m). Row 1: 1, 1009850, (blank). Row 2: 2, None, (blank).

Night:

Table with 3 columns: Tower No., ASRN, Overall Height (m). Row 1: 1, 1009850, (blank).

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 265.54

Standard RMS (mV/m/km): Day: 279.01

Augmented RMS (mV/m/km):

Q Factor: Day:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	201.0
2	0.4510	167.850	70.0000	347.000	0	90.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Sample	Monitor Current Ratio
1	0	1	
2	-164.5	0.186	

Antenna Monitor: Potomac Instruments 1901

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
67	1.61	100
347	4.12	61.8

Special operating conditions or restrictions:

- 1 Permittee/Licensee shall accept such interference as may be imposed by other existing 250 watt Class C stations in the event that they are subsequently authorized to increase power to 1000 watts.

Special operating conditions or restrictions:

- 2 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.

*** END OF AUTHORIZATION ***