



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:



Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Official Mailing Address:

IHM LICENSES, LLC
 7136 S. YALE AVENUE
 SUITE 501
 TULSA OK 74136

Grant Date: November 23, 2021

This license expires 3:00 a.m.
 local time, October 01, 2028.

Facility Id: 37498

Call Sign: WIMA

License File Number: BMML-20210721AAF

Method of moments proof.

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.	5:15 AM	8:00 PM
Feb.	7:30 AM	6:15 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	6:00 PM
May	5:15 AM	7:45 PM	Nov.	7:15 AM	5:15 PM
Jun.	5:00 AM	8:15 PM	Dec.	8:00 AM	5:15 PM

Callsign: WIMA

License No.: BMML-20210721AAF

Name of Licensee: IHM LICENSES, LLC

Station Location: LIMA, OH

Frequency (kHz): 1150

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 40 Min 47 Sec

Longitude: W 84 Deg 06 Min 34 Sec

Night

Latitude: N 40 Deg 40 Min 47 Sec

Longitude: W 84 Deg 06 Min 34 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: 1.0 Night: 1.08

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 2.88 Night: 4.64

Resistance (ohms): Day: 120.2 Night: 50

Non-Directional Antenna: Day

Radiator Height: meters; 107 deg

Theoretical Efficiency: 317.04 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1011001	

Night:

Tower No.	ASRN	Overall Height (m)
1	1011000	
2	1011001	
3	1011002	
4	1011003	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 289.68
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night: 305.43
 Q Factor: Night: 14.18

Theoretical Parameters:

Night 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	90.0
2	0.9320	165.100	90.0000	180.000	1	107.0
3	1.0700	-45.800	144.4000	180.000	1	90.0
4	1.0000	127.400	90.0000	180.000	1	90.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower
 1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	35.0	10.0	374.66
2	55.0	10.0	41.81
3	86.5	19.0	164.15
4	96.0	10.0	50.37
5	264.0	12.0	67.27
6	305.0	10.0	67.19
7	330.0	16.0	455.77

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	167	0.568
3	-46	1.093
4	130.1	1.041

Antenna Monitor: POTOMAC INSTRUMENTS AM-19

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM
No. and Type of Elements: Four (4) vertical, guyed, series-excited steel radiators of uniform cross-section.
Ground System consists of 120 equally spaced, buried copper wire radials 65.2 m in length about the base of each tower, except where intersecting radials are shortened and bonded to transverse copper straps midway between towers.

- 2 The permittee/licensee 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 ***