



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

HOOSIER AM/FM, LLC
 275 GROVE STREET
 BLDG 2-400
 NEWTON MA 02466

Son Nguyen
 Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 41849

Call Sign: WIOU

License File Number: BMML-20170817ABF

Grant Date: **FEB 15 2018**
 This license expires 3:00 a.m.
 local time, August 01, 2020.

This license covers Permit No.: BL-20110303ABZ

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.	7:00 AM	4:45 PM	Jul.	4:30 AM	7:15 PM
Feb.	6:45 AM	5:15 PM	Aug.	5:00 AM	6:45 PM
Mar.	6:00 AM	5:45 PM	Sep.	5:30 AM	6:00 PM
Apr.	5:15 AM	6:30 PM	Oct.	6:00 AM	5:00 PM
May	4:30 AM	7:00 PM	Nov.	6:30 AM	4:30 PM
Jun.	4:15 AM	7:15 PM	Dec.	7:00 AM	4:15 PM

Callsign: WIOU

License No.: BMML-20170817ABF

Name of Licensee: HOOSIER AM/FM, LLC

Station Location: KOKOMO, IN

Frequency (kHz): 1350

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 25 Min 01 Sec

Longitude: W 86 Deg 06 Min 49 Sec

Night

Latitude: N 40 Deg 25 Min 01 Sec

Longitude: W 86 Deg 06 Min 49 Sec

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

Nominal Power (kW): Day: 5.0 Night: 1.0

Antenna Input Power (kW): Day: 5.4 Night: 1.08

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 8.78 Night: 3.93

Resistance (ohms): Day: 70 Night: 70

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1031394	
2	1031395	
3	1031396	
4	1031397	

Night:

Tower No.	ASRN	Overall Height (m)
1	1031394	
2	1031395	
3	1031396	
4	1031397	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 675.92 Night: 337.96

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 710.57 Night: 356.31

Q Factor: Day: Night:

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	98.8
2	1.9800	135.000	90.0000	175.000	0	98.8
3	1.4500	-90.000	180.0000	175.000	0	98.8
4	0.4200	45.000	270.0000	175.000	0	107.0

* 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	78.5	25.0	180.20
2	265.0	30.0	107.80
3	283.0	36.0	370.10

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	98.8
2	1.9000	175.000	90.0000	175.000	0	98.8
3	1.6900	-29.000	180.0000	175.000	0	98.8
4	0.8500	136.500	270.0000	175.000	0	107.0

* 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	47.5	10.0	228.20
2	78.5	10.0	46.10

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
3	91.0	10.0	95.10
4	275.0	10.0	55.40
5	283.0	10.0	54.00

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-139.8	0.439
2	0	1
3	132.9	0.841
4	-91.7	0.228

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	178.9	0.599
2	0	1
3	154.5	1.013
4	-36.9	0.47

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204) S/N 512
 Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 Ground system consists of 120 equally spaced, buried copper radials about the base of each tower 55.5 m in length except where intersecting radials are shortened and bonded, plus a 14.6 m square ground screen about the base of each tower.

- 2 The licensee shall perform the measurements described in Section 73.155 at least once within each 24-month period.

*** END OF AUTHORIZATION ***