



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

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

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 48686

Call Sign: WUST

License File Number: BMML-20141218AFW

Grant Date: November 16, 2015

This license expires 3:00 a.m.
local time, October 01, 2019.

This license covers Permit No.: BP-20130926BCX

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: Daytime

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

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

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Name of Licensee: IHM LICENSES, LLC

Station Location: WASHINGTON, DC

Frequency (kHz): 1120

Station Class: D

Antenna Coordinates:

Day

Latitude: N 38 Deg 52 Min 09 Sec

Longitude: W 76 Deg 53 Min 47 Sec

Critical

Latitude: N 38 Deg 52 Min 09 Sec

Longitude: W 76 Deg 53 Min 47 Sec

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

Nominal Power (kW): Day: 50.0 Critical: 3.0

Antenna Input Power (kW): Day: 52.7 Critical: 3.0

Antenna Mode: Day: DA Critical: ND

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

Current (amperes): Day: 32.45 Critical: 15.13

Resistance (ohms): Day: 50 Critical: 13.1

Non-Directional Antenna: Critical

Radiator Height: 47.46 meters; 63.83 deg

Theoretical Efficiency: 288.74 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	48.46
2	None	48.46
3	None	48.46
4	None	48.46

Critical:

Tower No.	ASRN	
1	None	48.46

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2113.279

Standard RMS (mV/m/km): Day: 2220.26

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	63.8
2	0.9780	-7.400	106.2100	10.200	0	63.8
3	1.5330	129.800	98.8100	45.000	0	63.8
4	0.5520	-74.400	195.9000	27.000	0	63.8

* 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 Monitor Sample Current Ratio
1	0	1
2	-8.6	0.998
3	127.1	0.914
4	-75.1	0.557

Antenna Monitor: POTOMAC INSTRUMENTS 1901-4

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 67.1 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus 120 interspersed radials 15.2 meters in length.

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Special operating conditions or restrictions:

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

*** END OF AUTHORIZATION ***