



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

PATHFINDER COMMUNICATIONS CORPORATION
245 WEST EDISON ROAD
SUITE 250
MISHAWAKA IN 46545

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 28205

Call Sign: WOWO

License File Number: BZ-20060421ACQ

Grant Date: August 17, 2006

This license expires 3:00 a.m.
local time, August 01, 2012.

DM

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

Callsign: WOWO

License No.: BZ-20060421ACQ

Name of Licensee: PATHFINDER COMMUNICATIONS CORPORATION

Station Location: FORT WAYNE, IN

Frequency (kHz): 1190

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 59 Min 47 Sec

Longitude: W 85 Deg 21 Min 06 Sec

Night

Latitude: N 40 Deg 59 Min 47 Sec

Longitude: W 85 Deg 21 Min 06 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 Night: 9.8

Antenna Input Power (kW): Day: 50.0 Night: 10.3

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 19.8 Night: 14.4

Resistance (ohms): Day: 128 Night: 50

Non-Directional Antenna: Day

Radiator Height: 126 meters; 180 deg

Theoretical Efficiency: 383.02 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1030458	

Night:

Tower No.	ASRN	Overall Height (m)
1	1030458	
2	1030457	
3	1030456	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 1144
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night: 1202.9
 Q Factor: Night: 31.3

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	180.0
2	1.0230	19.300	131.0000	260.800	0	180.0
3	0.9000	-25.600	109.2000	85.700	0	180.0

* 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	192.0	10.0	1418.50
2	228.0	10.0	94.00

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	17.8	0.914
3	-25.3	0.884

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901-3

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
83	8.01	38.4
228	8.24	12.2
297.5	5.68	21.4

*** END OF AUTHORIZATION ***