

ENG
ID # 22667



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Susan N. Crawford
Susan N. Crawford

Assistant Chief
Audio Division
Media Bureau

Official Mailing Address:

ENTERCOM WILKES-BARRE SCRANTON, LLC
401 CITY AVENUE
SUITE 809
BALA CYNWYD PA 19004

Grant Date:

This license expires 3:00 a.m.
local time, August 01, 2014.

Facility Id: 22667

Call Sign: WKZN

License File Number: BL-19850422AJ

This license re-issued January 24, 2013, by SNC to add a Special Operating Condition authorizing the use of modulation dependent carrier level (MDCL) control technology.

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.	7:30 AM	5:00 PM	Jul.	4:45 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	4:45 AM	7:15 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:30 AM	7:30 PM	Dec.	7:15 AM	4:30 PM

Name of Licensee: ENTERCOM WILKES-BARRE SCRANTON, LLC

Station Location: WEST HAZLETON, PA

Frequency (kHz): 1300

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 56 Min 26 Sec

Longitude: W 76 Deg 00 Min 07 Sec

Night

Latitude: N 40 Deg 56 Min 26 Sec

Longitude: W 76 Deg 00 Min 07 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: 0.50

Antenna Input Power (kW): Day: 5.4 Night: 0.54

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.4 Night: 3.29

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1026136	
2	1026137	

Night:

Tower No.	ASRN	Overall Height (m)
1	1026138	
2	1026137	
3	1026139	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 697.16 Night: 209.18

Standard RMS (mV/m/km): Day: 732.36

Augmented RMS (mV/m/km): Night: 223.79

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	90.0
2	0.7300	102.000	90.0000	150.000	0	90.0

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

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	109.0
2	1.2980	210.900	82.8000	14.000	0	90.0
3	0.7290	55.400	173.8000	13.000	0	98.0

* 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	156.0	40.0	72.42
2	230.5	40.0	48.28
3	260.0	40.0	168.98
4	291.0	40.0	80.47

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-98	0.95
2	0	1

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 160	0.585
2 0	1
3 -153	0.64

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
120	4.57	10
180	4.2	10.5

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
95	3.11	7.8
156	4.5	4.7
230.5	3.4	3.2
291	1.6	30.8

Special operating conditions or restrictions:

- 1 The WKZN directional antenna array consists of four towers. The northwest and center towers are used daytime, and the south, center and north towers are used nighttime.
- 2 The ground system consists of 120 equally spaced, buried, copper radials, each 61 meters in length, about the base of each tower. Intersecting radials are shortened and bonded to transverse copper straps midway between towers. In addition, a 7.3 meter by 7.3 meter ground screen has been installed at the base of each tower.

Special operating conditions or restrictions:

3 Descriptions of Daytime Monitoring Points

Direction 120° True North. From the transmitter site, return to the highway (Route 309). Turn right, South, on Route 309 and proceed 1.0 kilometer (0.6 mile) to the Hazleton Beltway. Turn left, East, on the beltway and proceed 1.6 kilometers (1.0 mile) to the junction of Jeansville Road. Turn right, South, on Jeansville Road and proceed 2.3 kilometers (1.4 miles) to the Beavermeadows Road intersection in Tresckow. Turn left, East, toward Beavermeadows and proceed 1.4 kilometers (0.9 mile) to the 120° Monitor Point. The Monitor Point is in the center of a parking area 7.6 meters (25 feet) South of the road across from utility pole #N27964, 4.57 kilometers (2.84 miles) from the transmitter site.

Direction 180° True North. From the 120° Monitor Point, reverse direction and return to the Jeansville Road intersection in Tresckow. Turn left, South one block, then right, West, and continue 2.3 kilometers (1.4 miles) to the Y intersection at McAdoo. Proceed West on the right North leg of this Y intersection. Proceed 1.6 kilometers (1.0 mile) on Blaine Street crossing Route 309 to North Street. Turn right, North, on North Street 30 meters (100 feet). The 180° Monitor Point is by the railing fence opposite a set of concrete steps, 4.2 kilometers (2.6 miles) from the transmitter site.

Special operating conditions or restrictions:

4 Description of Nighttime Monitoring Points

Direction 95° True North. From the 156° Monitor Point, reverse direction and return East 1.8 kilometers (1.1 miles) to Jeansville Road in Tresckow. Turn left (North) and continue 4.7 kilometers (2.9 miles) on Jeansville Road to intersection with Kiefer Avenue in Hazleton. Turn right (East) on Kiefer Avenue for 0.5 kilometer (0.3 mile) to dead end. Turn right (South) 0.2 kilometer (0.1 mile) and then left (East) 0.24 kilometer (0.15 mile) to parking area at rear of loading dock to brick bldg. The 95° Monitor Point is at the edge of this parking lot near old pipe extending from bank 3.11 kilometers (1.93 miles) from the transmitter site.

Direction 156° True North. From the transmitter site return to Hy. 309 at entrance to Hazle Auto Parts. Turn right (Southwest) on 309 and drive 1.0 kilometer (0.6 mile) to the Hazleton Beltway. Turn left (East) 1.85 kilometers (1.15 miles) on Beltway to junction with Jeansville Road. Turn right (South) on Jeansville Road and proceed 2.4 kilometers (1.5 miles) to Oak Street (the Tresckow/McAdoo Road in West Tresckow). Turn right (West) on this road and proceed 1.8 kilometers (1.1 miles) to the freight gate of the Consolidated Cigar Co. The 156° Night Monitor Point is over a manhole cover before this gate 4.5 kilometers (2.8 miles) from the transmitter site.

Direction 230.5° True North. From the 291° Night Monitor Point continue West on 924 1.0 kilometer (0.6 mile) to Barletta's Sign on the left. Turn left (South) here onto a winding dirt road and drive 4.5 kilometers (2.8 miles) to rear entrance to Bonner's Auto parts yard. Continue 0.5 kilometer (0.3 mile) West into this yard to intersection at old junked Bus bodies. The 230.5° Night Monitor Point is opposite marked tree at the Northeast edge of this intersection 3.4 kilometers (2.1 miles) from the transmitter site.

Direction 291° True North. From the 95° Night Monitor Point return to Jeansville Road & Poplar Street. Turn right (North) on Poplar Street and drive 1.6 kilometers (1.0 mile) to intersection with Broad Street - Hwy. 93 - in Hazleton. Turn left (West) on 93 and proceed 1.8 kilometers (1.1 miles) through Hazleton to intersection with Route 924. Turn left (Southwest) on 924 and continue 2.9 kilometers (1.8 miles) to end of guard rail on North side of 924. The 291° Night Monitor Point is located on the North side of 924, 45 paces East of this guard rail at a marked small tree 1.6 kilometers (0.98 mile) from the transmitter site.

- 5 Waiver of 47 CFR Section 73.1560(a) is granted to permit the licensee to operate with modulation dependent carrier level (MDCL) control technology, which reduces transmitter power at certain modulation levels.
- 6 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 ***