



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

 POTTSVILLE BROADCASTING CO.
 (212 S. CENTRE ST.)
 P.O. BOX 540
 POTTSVILLE PA 17901

Son Nguyen
 Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 53134

Call Sign: WPPA

License File Number: BZ-20170706ABF

Grant Date: **OCT 20 2017**
 This license expires 3:00 a.m.
 local time, August 01, 2022.

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	4:45 PM

Callsign: WPPA

License No.: BZ-20170706ABF

Name of Licensee: POTTSVILLE BROADCASTING CO.

Station Location: POTTSVILLE, PA

Frequency (kHz): 1360

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 41 Min 56 Sec
Longitude: W 76 Deg 11 Min 43 Sec

Night

Latitude: N 40 Deg 41 Min 56 Sec
Longitude: W 76 Deg 11 Min 43 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: 0.5

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: 10.39 Night: 3.29

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	56.4
2	None	56.4
3	None	56.4

Night:

Tower No.	ASRN	
1	None	56.4
2	None	56.4
3	None	56.4

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 695.24 Night: 228.53

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 737.55 Night: 241.19

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	0.6000	-120.000	0.0000	0.000	0	89.6
2	1.0000	0.000	90.0000	100.000	0	89.6
3	0.6000	170.000	90.0000	100.000	1	89.6

* 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	76.0	10.0	354.06
2	88.0	24.0	386.24
3	100.0	20.0	402.34
4	135.0	50.0	346.01
5	262.0	70.0	1319.66
6	310.0	10.0	1181.02

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.7000	-162.000	0.0000	0.000	0	89.6
2	1.0000	0.000	90.0000	357.000	0	89.6
3	0.4500	163.000	180.0000	357.000	0	89.6

* 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	9.0	16.0	231.26

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
2	58.0	10.0	38.62
3	72.0	10.0	51.50
4	76.0	10.0	53.11
5	143.0	10.0	366.30
6	194.0	10.0	457.46
7	245.0	14.0	120.70
8	245.0	10.0	136.79
9	257.0	10.0	56.33
10	262.0	10.0	45.06
11	289.0	16.0	43.45
12	297.0	10.0	38.62
13	357.0	10.0	243.80

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-109.4	0.415
3	177.5	0.431

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
4	-168.6	0.507
5	160.6	0.421

Antenna Monitor: GORMAN REDLICH CMR

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
9	3.25	45.2
72	3.04	59
100	2.83	87
165	3.12	60.71

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
58	1.93	20
76	1.72	28.4
262	3.2	9.6
297	1.66	13.5
357	1.98	51

Special operating conditions or restrictions:

- 1 The daytime array consists of towers West, Center, East, referenced in that order. The nighttime array consists of towers South, Center, North, referenced in that order.

- 2 Licensee shall take necessary steps to eliminate any adverse problems of cross-modulation with station WPAM, Pottsville, PA (Facility ID#14741).

- 3 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.

- 4 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.

Special operating conditions or restrictions:

5 Ground system consists of 120-181' equally spaced, buried copper radials about the base of each tower, intersecting radials shortened and bonded to transverse copper strap midway between towers.

6 MONITOR POINT DESCRIPTIONS:

9° - Point located at Walmart on Route 61 near loading dock on east side of building at corner of curb, 3.25 km from site, max 45.2 mV/m daytime.

72° - Point located on Valley Furnace Avenue at center of split rail fence by drive to garage, north of intersection with 5th Street, 3.04 km from site, max 59 mV/m daytime.

100° - Point located in parking lot near loading dock of Weiner Iron & Metal, 2.83 km from site, max 87.0 mV/m daytime.

165° - Point located in parking lot of Getty Mart at parking spot nearest pole, 3.12 km from site, max 60.71 mV/m daytime.

58° - Point located opposite of Texaco gas station, 20 feet from fence of Sewer Authority, 1.93 km from site, max 20.0 mV/m nighttime.

76° - Point located opposite telephone pole #9 on St. Clair-Port Carbon Road (Market Street), 1.72 km from site, max 28.4 mV/m nighttime.

262° - Point located at southwest corner of Seltzer Road and Bullshead Road in front of NO TRESPASSING sign, 3.2 km from site, max 9.6 mV/m nighttime.

297° - Point located at end of chain link fence on southwest side of Queen of the Universe Cemetery, 1.66 km from site, max 13.5 mV/m nighttime.

357° - Point located in northeast corner of a small cemetery on West Carroll Street, 1.98 km from site, max 51.0 mV/m nighttime.

*** END OF AUTHORIZATION ***