

**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

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PRIORITY RADIO, INC.  
P.O. BOX 5204  
WILMINGTON DE 19808

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Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

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Grant Date: November 02, 2001

This license expires 3:00 a.m.  
local time, October 01, 2003.

Facility Id: 21621

Call Sign: WSRY

License File Number: BZ-20010803AAY

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 with Secondary nighttime

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: WSRY

License No.: BZ-20010803AAY

Name of Licensee: PRIORITY RADIO, INC.

Station Location: ELKTON, MD

Frequency (kHz): 1550

Station Class: D

Antenna Coordinates:

Day

Latitude: N 39 Deg 35 Min 45 Sec

Longitude: W 75 Deg 47 Min 50 Sec

Night

Latitude: N 39 Deg 35 Min 45 Sec

Longitude: W 75 Deg 47 Min 50 Sec

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

Nominal Power (kW): Day: 1.0 Night: 0.001

Antenna Input Power (kW): Day: 1.08 Night: 0.0018

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 4.65 Night: 0.146

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN
1	None
2	None
3	None

Night:

Tower No.	ASRN
1	None
2	None
3	None

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 312.21 Night: 9.87

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

Augmented RMS (mV/m/km):

Q Factor: Day: 10 Night: 0.32

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	128.000	0.0000	0.000	0	90.0
2	1.8750	9.000	100.0000	323.000	0	90.0
3	1.0000	-128.000	100.0000	323.000	1	90.0

\* 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	70.0	30.0	54.72
2	105.0	30.0	57.94
3	120.0	30.0	80.47
4	143.0	44.0	123.39
5	165.0	30.0	90.12
6	180.0	20.0	64.37
7	190.0	20.0	61.16
8	215.0	30.0	64.37
9	230.0	12.0	112.65
10	255.0	38.0	305.78

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	128.000	0.0000	0.000	0	90.0
2	1.8750	9.000	100.0000	323.000	0	90.0
3	1.0000	-128.000	200.0000	323.000	0	90.0

\* 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	70.0	30.0	1.70
2	105.0	30.0	1.80
3	120.0	30.0	2.50
4	143.0	44.0	3.90
5	165.0	30.0	2.80
6	180.0	20.0	2.00
7	190.0	20.0	1.90
8	215.0	30.0	2.00
9	230.0	12.0	3.60
10	255.0	38.0	9.70

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-144	0.65
2	0	1
3	120	0.61

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-144	0.65
2	0	1
3	120	0.61

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Sampling System Approved Under Section 73.68(b) of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
70	2.01	11.43
85	1.9	11.9
143	0.84	128
190	0.8	46.3

## Special operating conditions or restrictions:

## 1 Description of and Field Intensity at Monitoring Points:

Direction of 70° True North. From transmitter site proceed north 0.57 miles on Maloney Road to US Route 40. Turn right, and proceed east 1.5 miles to Frazer Road. Turn right, and proceed south 0.3 miles. The monitor point is 250' south of the corner of Montceau Drive. It is on the west side of Frazer Road, halfway between the pavement and a tree with a 1 foot square red paint mark about 5 feet up the tree. This point is located 1.25 miles from the transmitter. The field intensity measured at this point should not exceed 11.43 mV/m.

Direction of 85° True North. From transmitter site proceed north 0.57 miles on Maloney Road to US Route 40. Turn right, and proceed east 1.5 miles to Frazer Road. Turn right, and proceed south 0.6 miles. This point is 0.3 miles south of the 70° monitor point. It is also 0.13 miles north of the intersection of Frazer Road and Frenchtown Road. The monitor point is on the west side of Frazer Road, halfway between the pavement and a tree with a 1 foot square red paint mark about 5 feet up the tree. The point is 1.18 miles from the transmitter. The field intensity measured at this point should not exceed 11.9 mV/m.

## 2 Direction of 143° True North. From transmitter site proceed north 0.57 miles on Maloney Road to US Route 40. Turn right, and proceed east 1.5 miles to Frazer Road. Turn right, and proceed south 0.73 miles to the intersection with Frenchtown Road. Turn right, and proceed west 0.9 miles. The monitor point is in a field 150 feet south of Frenchtown Road, and 150 feet west of the tree line marking the east boundary of the field. This field extends west to the intersection of Frenchtown Road and Hutton Road. There is a red painted arrow on the pavement of Frenchtown Road pointing toward the measuring location. The point is 0.52 miles from the transmitter. The field intensity measured at this point should not exceed 128.0 mV/m.

Direction of 190° True North. From transmitter site proceed north 0.57 miles on Maloney Road to US Route 40. Turn right, and proceed east 1.5 miles to Frazer Road. Turn right, and proceed south 0.73 miles to the intersection with Frenchtown Road. Turn right, and proceed west to the intersection with Maloney Road. Continue west on Frenchtown Road 0.27 miles. The monitoring point is in a field located to the east of a large white house #981, 75' north of Frenchtown Road, opposite the front door of the smaller tan house across the street. The point is 0.5 miles from the transmitter. The field intensity measured at this point should not exceed 46.3 mV/m.

## Ground System Description:

The ground system consists of 120-160' (48.78 meters) equally spaced, buried, copper radials except where limited by property boundary. Intersecting radials shortened and bonded to transverse copper strap midway between towers. Centers of systems are bonded together.

## 3 The permittee/licensee 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 \*\*\*