



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

Authorizing Official:

Official Mailing Address:

RHODE ISLAND PUBLIC RADIO  
ONE UNION STATION  
PROVIDENCE RI 02903

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 48308

Call Sign: WPVD

License File Number: BL-20010613AHT

Grant Date: September 21, 2001

This license expires 3:00 a.m.  
local time, April 01, 2006.

This License Covers Permit No.: BP-19990628AA

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

Callsign: WPVD

License No.: BL-20010613AHT

Name of Licensee: RHODE ISLAND PUBLIC RADIO

Station Location: PROVIDENCE, RI

Frequency (kHz): 1290

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 51 Min 21 Sec

Longitude: W 71 Deg 26 Min 41 Sec

Night

Latitude: N 41 Deg 51 Min 21 Sec

Longitude: W 71 Deg 26 Min 41 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: 10.0

Antenna Input Power (kW): Day: 5.4 Night: 10.53

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.4 Night: 14.5

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	59.4
2	None	59.4
3	None	59.4

Night:

Tower No.	ASRN	
1	None	59.4
2	None	59.4
3	None	59.4

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 693.6 Night: 1032  
 Standard RMS (mV/m/km): Night: 1084.1  
 Augmented RMS (mV/m/km): Day: 730.9  
 Q Factor: Day: 27.55 Night: 31.62

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	23.500	10.0000	210.000	0	90.0
2	0.4700	-165.000	90.0000	120.000	0	90.0
3	1.2000	165.000	90.0000	300.000	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	13.0	26.0	515.00
2	256.0	12.0	193.10
3	262.0	12.0	136.80
4	271.5	19.0	204.40
5	332.0	16.0	273.60
6	340.0	16.0	241.40
7	350.0	20.0	281.60

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	10.0000	210.000	0	90.0
2	0.5410	-121.200	90.0000	120.000	0	90.0
3	0.4900	122.700	89.7000	285.600	0	90.0

\* 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	-141.5	0.685
2	22.7	0.383

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
3 0	1

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 0	1
2 -119.3	0.434
4 122.1	0.539

Antenna Monitor: POTOMAC INSTRUMENTS 1901

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)
40	5.04	29.4
263	3.89	11.8
342	5.83	9.3

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
234.5	5.23	4.6
256.5	4.54	7.7
330.5	7.35	1.6
353.5	3.38	7.55

Special operating conditions or restrictions:

- 1 Pursuant to MM Docket No. 93-177 base current ratios are no longer required.

Special operating conditions or restrictions:

2 Description of Monitoring Points:

Direction of 40° True North. The monitor point is located in Moshashuck Cemetery near the tall Civil War Memorial, flanked by two cannons, between Avenues K and H. The point is equal distant between the cannons and the memorial.. This is day radial point number 4.

Direction of 263° True North. The monitor point is located opposite 31 Teakwood Drive on grass near edge of pavement. This is day radial point number 2.

Direction of 342° True North. The monitor point is located at the edge of the road, across the street from the mailbox of 111 New Jenkes Hill Road. This is day radial point number 1.

Direction of 234.5° The monitoring point is located at the end of Kern Acre Drive adjacent to the row of large rocks. This is night radial point number 3.

Direction of 256.5° True North. The monitor point is located on the property of the Belknap Community Chapel 45 feet from the road edge midway between the corner of the church building and large tree. This is night radial point number 4.

Direction of 330.5° True North. The monitor point is located on Limerock Road at the end of the runway for North Central Airport near the chain link fence gate. This is night radial point number 2.

Direction of 353.5° True North. The monitor point is located in the parking lot of the Dog Track at the guard rail near where it changes color from white to silver. This night radial point number 1.

Description of Ground System:

120 evenly spaced, buried copper wire radials, each 58.1 meters long except where shortened at property boundaries or where overlapping radials are bonded to 4 inch copper straps.

- 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 \*\*\*