



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

TWILIGHT BROADCASTING, INC.
113 PENNY LANE
NEW FREEDOM PA 17349

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 70508

Call Sign: WEEU

License File Number: BL-20020301AHA

License to cover BP-20010327AAN.

Grant Date: March 22, 2002

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

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: WEEU

License No.: BL-20020301AHA

Name of Licensee: TWILIGHT BROADCASTING, INC.

Station Location: READING, PA

Frequency (kHz): 830

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 30 Min 54 Sec

Longitude: W 76 Deg 07 Min 24 Sec

Night

Latitude: N 40 Deg 30 Min 54 Sec

Longitude: W 76 Deg 07 Min 24 Sec

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

Nominal Power (kW): Day: 20.0 Night: 6.0

Antenna Input Power (kW): Day: 21.0 Night: 6.3

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 20.5 Night: 11.2

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1049050	
2	1228334	

Night:

Tower No.	ASRN	Overall Height (m)
1	1049046	
2	1049047	
3	1049048	
4	1049049	
5	1049050	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 1330.31 Night: 802.5
 Standard RMS (mV/m/km): Day: 1397.62 Night: 843.28
 Augmented RMS (mV/m/km):
 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	29.900	170.0000	247.000	0	121.0
2	0.8700	0.000	0.0000	0.000	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	121.0
2	0.7860	228.500	72.7000	128.300	0	121.0
3	0.3930	145.600	70.3000	304.300	0	90.0
4	0.5300	213.100	200.9000	192.100	0	121.0
5	0.6060	338.700	189.5000	207.600	0	121.0

* 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	0	1
2	-33	0.95

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	130	1.04
2	0	1
3	-80	0.38
4	-25	0.56
5	96	0.7

Antenna Monitor: POTOMAC INSTRUMENTS 1901 (4188) S/N 396

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 MONITOR POINT DESCRIPTIONS

26.5° - Point located on east edge of Forge Dam Road, 130 feet south of group of mailboxes for 114, 118, 123 Forge Dam Road, 1.46 km from site, max 64.8 mV/m nighttime.

66.5° - Point located on north edge of Mill Road, 50 feet east of driveway to 678 Mill Road, 3.88 km from site, max 28 mV/m nighttime.

67° - Point located on north edge of Mill Road, 120 feet east of driveway to 678 Mill Road, 3.9 km from site, max 154.7 mV/m daytime.

219° - Point located on south edge of Spring Road, 115 feet west of mailbox to 169 Spring Road, 4.1 km from site, max 25 mV/m daytime, max 9.2 mV/m nighttime

275° - Point located on south edge of Bloody Spring Road, 20 feet east of driveway to 192 Bloody Spring Road, 1.68 km from site, max 96.9 mV/m daytime.

275.5° - Point located in center of Bloody Spring Road, opposite driveway to 197 Bloody Spring Road, 1.67 km from site, max 19.6 mV/m nighttime.

309.5° - Point located on southeast edge of road, at west edge of driveway to 60 Bloody Spring Road, 1.3 km from site, max 43.1 mV/m nighttime.

NOTE: Daytime antenna system consists of towers #5 and #6, referenced in that order.

*** END OF AUTHORIZATION ***