



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

COSTA-EAGLE RADIO VENTURES LIMITED PARTNERSH: Son Nguyen  
462 MERRIMACK STREET  
METHUEN MA 01344

Supervisory Engineer  
Audio Division  
Media Bureau

Grant Date: April 02, 2001

Facility Id: 22798

Call Sign: WUBG

Permit File Number: BMP-20010213AAA

The authority granted herein has  
no effect on the expiration date  
of the underlying construction  
permit.

This Permit Modifies Permit No.: BP-19980120AC

This permit deletes the CP nighttime operation and uses the licence  
nighttime operation. Two sites operation.

Subject to the provisions of the Communications Act of 1934, as amended,  
subsequent acts and treaties, and all regulations heretofore or hereafter  
made by this Commission, and further subject to the conditions set forth  
in this permit, the permittee is hereby authorized to construct the radio  
transmitting apparatus herein described. Installation and adjustment of  
equipment not specifically set forth herein shall be in accordance with  
representations contained in the permittee's application for construction  
permit except for such modifications as are presently permitted, without  
application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a  
bearing on this construction permit. See Report & Order, Streamlining of  
Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para.  
77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998).  
Pursuant to these rules, this construction permit will be subject to  
automatic forfeiture unless construction is complete and an application  
for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections  
73.1610 and 73.1620 of the Commission's Rules.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:  
Local Standard Time (Non-Advanced)

Jan.	7:15 AM	4:30 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.	5:15 AM	6:00 PM
Apr.	5:00 AM	6:30 PM	Oct.	6:00 AM	5:00 PM
May	4:15 AM	7:00 PM	Nov.	6:30 AM	4:15 PM

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Jun. 4:00 AM

7:30 PM

Dec. 7:00 AM

4:15 PM

Name of Permittee: COSTA-EAGLE RADIO VENTURES LIMITED PARTNERSHIP

Station Location: BEVERLY, MA

Frequency (kHz): 1570

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 33 Min 28 Sec

Longitude: W 70 Deg 50 Min 12 Sec

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

Nominal Power (kW): Day: 0.50

Antenna Mode: Day: DA

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	30.2
2	None	30.2
3	None	30.2

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 199.8

Standard RMS (mV/m/km): Day: 210.05

Augmented RMS (mV/m/km):

Q Factor: Day: 10

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	TL/S
2	0.7000	38.100	90.5000	182.100	0	TL/S
3	0.7000	47.500	183.1000	190.200	0	TL/S

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
1	56.0	10.00	.00	.00
2	56.0	10.00	.00	.00
3	56.0	10.00	.00	.00

Special operating conditions or restrictions:

- 1 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.

Special operating conditions or restrictions:

- 2 Before program tests are authorized, permittee shall submit sufficient current distribution measurement data to establish clearly that the current distribution approximates that of an antenna with electrical height of 66 degrees, as proposed.
  
- 3 A complete nondirectional proof of performance, in addition to a complete proof on the day directional antenna system, shall be submitted before program tests are authorized. The nondirectional and directional field strength measurements must be made under similar environmental conditions.

\*\*\* END OF AUTHORIZATION \*\*\*