



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

Authorizing Official:

Official Mailing Address:

---

OMG FCC LICENSES LLC  
P.O. BOX 99827  
SEATTLE WA 98139

---



---

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

---

Grant Date: January 22, 2009

This license expires 3:00 a.m.  
local time, February 01, 2014.

Facility Id: 74433

Call Sign: KAST

License File Number: BL-20071015ALZ

This license covers permit no.: BP-20060629AFD

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.	8:00 AM	5:00 PM	Jul.	4:30 AM	8:00 PM
Feb.	7:15 AM	5:45 PM	Aug.	5:15 AM	7:30 PM
Mar.	6:30 AM	6:15 PM	Sep.	5:45 AM	6:30 PM
Apr.	5:30 AM	7:00 PM	Oct.	6:30 AM	5:30 PM
May	4:45 AM	7:45 PM	Nov.	7:15 AM	4:45 PM
Jun.	4:15 AM	8:15 PM	Dec.	7:45 AM	4:30 PM

Callsign: KAST

License No.: BL-20071015ALZ

Name of Licensee: OMG FCC LICENSES LLC

Station Location: ASTORIA, OR

Frequency (kHz): 1370

Station Class: B

Antenna Coordinates:

Day

Latitude: N 46 Deg 10 Min 31 Sec

Longitude: W 123 Deg 50 Min 58 Sec

Night

Latitude: N 46 Deg 10 Min 31 Sec

Longitude: W 123 Deg 50 Min 58 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: 1.0

Antenna Input Power (kW): Day: 1.0 Night: 1.08

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 3.65 Night: 4.64

Resistance (ohms): Day: 75 Night: 50

Non-Directional Antenna: Day

Radiator Height: 60.18 meters; 99 deg

Theoretical Efficiency: 312.21 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
2	1047244	

Night:

Tower No.	ASRN	Overall Height (m)
1	1047245	
2	1047244	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 289.68

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Night: 307.05

Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.9500	-35.000	0.0000	0.000	0	99.0
2	1.0000	0.000	180.0000	128.000	0	99.0

\* 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	88.0	10.0	35.41
2	128.0	10.0	158.92
3	165.0	12.0	24.14
4	165.0	10.0	28.97
5	171.0	10.0	72.42
6	230.0	60.0	514.99

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-40	0.46
2	0	0.5

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
88	4.21	2.32
128	2.58	69.1
171	3.13	18.45

## Special operating conditions or restrictions:

- 1 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.
  
- 2 Location of Monitor Points:

Direction of 88° true North. Leave Radio Station KAST and travel south on Highway #101 at Junction. Proceed straight through junction and follow Olney Road (along Young's Bay) to first road junction (about one mile). Turn left at this junction and follow up to the summit of the hill. Turn right at the summit and follow "City of Astoria Pipe Line Road" to City water Reservoir and proceed approximately one-quarter mile past the reservoir.

Direction of 128° true North. Leave KAST transmitter south on Highway #101 crossing Youngs Bay Bridge and proceed to the first road turning left (approximately one-quarter mile past bridge). Follow to first sharp right-hand turn in the road. Check point is located just north of corner in open field.

Direction of 171° true North. Leave KAST transmitter on Highway #101 crossing Youngs Bay Bridge, continuing on to "Miles Crossing". Proceed on the Lewis and Clark Road to the Lewis and Clark Consolidated School. Monitor point is located just back of the school in an open field.

## Ground System:

Ground system consists of 120 - 62.5 meter (except in water) copper radials about each tower. Radials terminated at common cord between towers.

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