



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

ALPHA MEDIA LICENSEE LLC
 1211 SW 5TH AVENUE
 SUITE 750
 PORTLAND OR 97204

Son Nguyen
 Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 948

Call Sign: KXTG

License File Number: BML-20120522AGC

Grant Date: August 01, 2012

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

This supersedes authorization of same date to add a special condition to reflect KXTG's grandfathered February Average Hours of Sunset time. (HKC 2/19/2019).

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.	7:45 AM	4:45 PM	Jul.	4:30 AM	8:00 PM
Feb.	7:15 AM	5:30 PM	Aug.	5:15 AM	7:15 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	7:30 PM	Nov.	7:15 AM	4:45 PM
Jun.	4:15 AM	8:00 PM	Dec.	7:45 AM	4:30 PM

Name of Licensee: ALPHA MEDIA LICENSEE LLC

Station Location: PORTLAND, OR

Frequency (kHz): 750

Station Class: B

Antenna Coordinates:

Day

Latitude: N 45 Deg 24 Min 05 Sec

Longitude: W 122 Deg 26 Min 47 Sec

Night

Latitude: N 45 Deg 24 Min 05 Sec

Longitude: W 122 Deg 26 Min 47 Sec

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

Nominal Power (kW): Day: 50.0 Night: 20.0

Antenna Input Power (kW): Day: 52.6 Night: 21.00

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 32.5 Night: 20.5

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1036805	
2	1036808	

Night:

Tower No.	ASRN	Overall Height (m)
1	1036805	
2	1036808	
3	1036806	
4	1036807	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2149.4 Night: 1387.38
 Standard RMS (mV/m/km): Day: 2258.1 Night: 1457.51
 Augmented RMS (mV/m/km):
 Q Factor: Day: 70.71 Night: 44.7214

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	90.0
2	1.6700	70.000	128.0000	90.000	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	90.0
2	0.7900	67.500	128.0000	90.000	0	90.0
3	0.3000	166.600	70.0000	24.000	0	77.0
4	0.2400	234.100	169.0000	67.770	0	77.0

* 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	69	1.535
3		
4		

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	65.3	0.815
3	160	0.416
4	-129.6	0.299

Antenna Monitor: POTOMAC INSTRUMENTS AM-19D (210D)

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)
61.8	6.92	63
86.5	3.14	286
120.2	9.85	34.17

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
61.8	6.92	21.6
117.9	5.2	19.9

Special operating conditions or restrictions:

- 1 Ground System consists of 120 equally spaced, buried copper wire radials extending 100 m long, plus an additional 120 radials 9.1 m interspaced between the longer radials.

2 DESCRIPTION OF MONITORING POINTS

Direction of 61.8 degrees True North. Leave the KXTG transmitter site, and turn left onto SE Curtis Road. Drive 0.07 Miles miles West to SE Dolphin Road. Turn right onto SE Dolphin Road and drive North 0.25 miles to SE Walgren Road. Turn right onto SE Walgren Road and drive East 0.37 miles to the intersection with SE Royer Road. Turn left onto SE Royer Road and continue 1.10 miles to the intersection with Highway 212. Turn right onto Highway 212 and drive East 4.0 miles to the town of Boring. Turn right on SE Wally Road. Drive East on SE Wally Road 0.22 miles to the Vanport Manufacturing sawmill office. The monitoring point is located 15 feet south of SE Wally Road and 15 feet west of the large fir tree closest to the Vanport Manufacturing sign. Distance is 4.30 miles. The field intensity measured at this point should not exceed 63 mV/m Daytime and 21.6 mV/m Nighttime.

Direction of 86.5 degrees True North. Leave the KXTG transmitter site, and turn left onto SE Curtis Road. Drive 0.07 Miles miles West to SE Dolphin Road. Turn right onto SE Dolphin Road and drive North 0.25 miles to SE Walgren Road. Turn right onto SE Walgren Road and drive East 0.37 miles to the intersection with SE Royer Road. Turn left onto SE Royer Road and continue 1.10 miles to the intersection with Highway 212. Turn right onto Highway 212 and drive East 2.5 miles to SE Bartell Road. Turn right on SE Bartell Road and drive south 1.3 miles to the mailbox at 16730 SE Bartell Road. The monitoring point is located 80 feet North of the mailbox on the East side of the road, just off the gravel shoulder. Distance is 1.95 Miles. The field intensity measured at this point should not exceed 286 mV/m Daytime.

Special operating conditions or restrictions:

- 3 Direction of 120.2 degrees True North. Leave the KXTG transmitter site, and turn left onto SE Curtis Road. Drive 0.07 Miles miles West to SE Dolphin Road. Turn right onto SE Dolphin Road and drive North 0.25 miles to SE Walgren Road. Turn right onto SE Walgren Road and drive East 0.37 miles to the intersection with SE Royer Road. Turn left onto SE Royer Road and continue 1.10 miles to the intersection with Highway 212. Turn right onto Highway 212 and drive East 1.35 miles to the intersection with SE 232nd. Turn right on SE 232nd and drive south 1.90 miles to the intersection with Highway 224. Turn left on Highway 224 and travel south 4.13 miles to the intersection with Highway 211. Turn left and drive east on Highway 211 0.50 miles to SE Jackknife Road. Turn right on SE Jackknife Road and drive 0.30 miles to SE Filbert Road. Turn right and drive South 0.63 to 23035 SE Filbert Road. The monitoring point is located on the West shoulder of the road, directly across from the driveway with signs marking 23040 and 23042 SE Filbert Road. Distance is 6.12 miles. The field intensity measured at this point should not exceed 34.17 mV/m Daytime.

Direction of 117.9 degrees True North. Leave the KXTG transmitter site, and turn left onto SE Curtis Road. Drive 0.07 Miles miles West to SE Dolphin Road. Turn right onto SE Dolphin Road and drive North 0.25 miles to SE Walgren Road. Turn right onto SE Walgren Road and drive East 0.37 miles to the intersection with SE Royer Road. Turn left onto SE Royer Road and continue 1.10 miles to the intersection with Highway 212. Turn right onto Highway 212 and drive East 1.35 miles to the intersection with SE 232nd. Turn right on SE 232nd and drive south 1.90 miles to the intersection with Highway 224. Turn left on Highway 224 and travel southeast 2.0 miles to SE Sherman Cooper Drive. Turn right onto SE Sherman Cooper Drive and travel 500 feet to driveway on the left side of the road. The monitoring point is in the middle of the road at the intersection with the driveway. Distance is 3.23 miles. The field intensity measured at this point should not exceed 19.9 mV/m Nighttime.

- 4 KXTG Average Hours of Sunset for February is 5:45 pm.

*** END OF AUTHORIZATION ***