



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

COMBINED COMMUNICATIONS, INC.
P.O. BOX 5037
BEND OR 97708

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 9943

Call Sign: KBND

License File Number: BL-19970428AC

Grant Date: November 17, 1997

This license expires 3:00 a.m.
local time, February 01, 1998.

Misc-20021017ABE: Request for correction of license.

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

Callsign: KBND

License No.: BL-19970428AC

Name of Licensee: COMBINED COMMUNICATIONS, INC.

Station Location: BEND, OR

Frequency (kHz): 1110

Station Class: B

Antenna Coordinates:

Day

Latitude: N 44 Deg 06 Min 25 Sec

Longitude: W 121 Deg 14 Min 39 Sec

Night

Latitude: N 44 Deg 06 Min 25 Sec

Longitude: W 121 Deg 14 Min 39 Sec

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

Nominal Power (kW): Day: 10.0 Night: 5.0

Antenna Input Power (kW): Day: 10.0 Night: 4.05

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 12.9 Night: 9

Resistance (ohms): Day: 60 Night: 50

Non-Directional Antenna: Day

Radiator Height: 68 meters; 90.6 deg

Theoretical Efficiency: 300 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1035785	

Night:

Tower No.	ASRN	Overall Height (m)
1	1035785	
2	1035786	
3	1035787	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 658.6
 Standard RMS (mV/m/km): Night: 691.93
 Augmented RMS (mV/m/km):
 Q Factor: Night: 22.4

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	90.6
2	0.5680	105.600	93.0000	98.500	0	90.6
3	0.4700	-91.000	113.7000	282.400	0	90.6

* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Antenna Monitor: POTOMAC INSTRUMENT AM-19D (210) WITH PMA ADAP
 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)
50.8	20.28	0.24
81.5	5.07	2.16
115.4	3.96	1.44
150.1	6.87	1.66

Special operating conditions or restrictions:

1 Description of Directional Antenna system:

Three (3) vertical, guyed, series-excited steel radiators of uniform cross section

Ground system consists of 120 equally spaced, buried copper radials 220' long or terminated at copper strap interspaced with 120 copper radials 50' long, around the base of each tower.

Special operating conditions or restrictions:

2 DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 50.8 True North- From the transmitter building proceed south on Canal Road 0.2 mile to Hemehook Road. Turn left and proceed east on Butler Road 2.0 miles to Powell Butte Highway. Turn left and proceed northeast on Powell Butt Highway 13.7 miles to monitoring point located on West side of small tree approximately 300 feet north of brick house.

Direction of 81.5 True North- From transmitter building proceed east then south on Canal Road 0.2 miles to Hemehook Road. Turn left and proceed east on Butler Road 2.0 miles to Powell Butte Highway. Turn left and proceed northeast on Powell Butte Highway 1.82 miles to Monitoring point located on north side of Powell Butte Highway at west gate post (painted orange) of dirt road to north.

Direction of 115.4 True North- From transmitter building proceed east then south on Canal Road 0.2 miles to Hemehook Road. Turn left and proceed east on Butler Road 2.0 miles to Powell Butte Highway. Turn right and proceed south on Powell Butte Highway 0.5 miles to Nelson Road. Turn left and proceed east on Nelson Road 1.5 miles to Waugh Road. Turn right and proceed south on Waugh Road 0.35 mile to monitoring point located at west edge of pavement of Waugh Road at painted fence post. There is a large tree on east side of road.

Direction of 150.1 True North- From transmitter building proceed east then south on Canal Road 0.2 miles to Hemehook Road. Turn left and proceed east on Butler Road 2.0 miles to Powell Butte Highway. Turn right and proceed south on Powell Butte Highway 3.0 miles to U.S. Highway 20. Turn left and proceed east on Highway 20, 0.95 mile to monitoring point located on south side of Highway 20 at painted rock outcrop.

*** END OF AUTHORIZATION ***