



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

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

Arthur E. Doak
Senior Engineer
Audio Division
Media Bureau

Facility Id: 13579

Call Sign: KTWS

License File Number: BLH-19901211KB

Grant Date: July 03, 1991

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

This license covers Permit No.: BPH-850712QO
as modified by Permit No.: BMPH-900416ID

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.

Callsign: KTWS

License No.: BLH-19901211KB

Name of Licensee: COMBINED COMMUNICATIONS, INC.

Station Location: OR-BEND

Frequency (MHz): 98.3

Channel: 252

Class: C3

Hours of Operation: Unlimited

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

Transmitter output power:

Antenna type: Directional

Description:

Antenna Coordinates: North Latitude: 44 deg 04 min 41 sec
West Longitude: 121 deg 19 min 57 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	7.0	7.0
Height of radiation center above ground (Meters):	44	44
Height of radiation center above mean sea level (Meters):	331	331
Height of radiation center above average terrain (Meters):	188	188

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 91 Meters

Obstruction marking and lighting specifications for antenna structure:

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

None Required

Special operating conditions or restrictions:

- 1 The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by construction permit BMPH-900416ID.

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A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power:

7.0 kilowatts

Principal minima and their associated field strength limits:
10 degrees True: 1.35 kilowatts

*** END OF AUTHORIZATION ***