



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

IHM LICENSES, LLC
7136 S. YALE AVENUE
SUITE 501
TULSA OK 74136

Mary Houser
Supr Applications Examiner
Audio Division
Media Bureau

Facility Id: 72144

Call Sign: WHCN

License File Number: BLH-19890323KA

Grant Date: June 13, 1989

This license expires 3:00 a.m.
local time, April 01, 1991.

This license covers Permit No.: BPH-19870731IA

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: WHCN

License No.: BLH-19890323KA

Name of Licensee: IHM LICENSES, LLC

Station Location: CT-HARTFORD

Frequency (MHz): 105.9

Channel: 290

Class: B

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: ODD ODD890323KA

Antenna Coordinates: North Latitude: 41 deg 33 min 47 sec

West Longitude: 72 deg 50 min 42 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	16.0	16.0
Height of radiation center above ground (Meters):	57	57
Height of radiation center above mean sea level (Meters):	362	362
Height of radiation center above average terrain (Meters):	264	264

Antenna structure registration number: 1055651

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Special operating conditions or restrictions:

- 1 Neither the horizontally nor vertically polarized radiation component shall exceed the following value at any azimuth.
16.0 KILOWATTS
- 2 Each component shall be restricted to the following values at the azimuths specified below.
3.18 KW AT 190 DEGREES T; 3.17 KW AT 227 DEGREES T

Special operating conditions or restrictions:

3 In addition, neither radiation component shall increase at a rate exceeding 0.2 dB per degree from the azimuths of restricted radiation specified above nor exceed a maximum-to-minimum ratio of 15 dB. The rms of the vertically polarized radiation pattern shall not exceed that of the horizontally polarized radiation pattern.

4 ANTENNA DESCRIPTION: CONTINENTAL ELECTRONICS
G5CPS-2AE-CP-DA TWO SECTION DIRECTIONAL ANTENNA,
HORIZONTALLY AND VERTICALLY POLARIZED, POLE-MOUNTED
ATOP A SELF-SUPPORTING STEEL TOWER
3.18 KW AT 190 DEGREES T; 3.17 KW AT 227 DEGREES T

*** END OF AUTHORIZATION ***