



FEDERAL COMMUNICATIONS COMMISSION  
FM BROADCAST STATION LICENSE

Official Mailing Address:

WHCN, INC.  
1039 ASYLUM AVENUE  
HARTFORD, CT 06105

Authorizing Official:

*Dale E. Bickel*

HC

Dale E. Bickel  
Supervisory Engineer, FM Branch  
Audio Services Division  
Mass Media Bureau

Grant Date:

JUN 13 1989

Call sign: WHCN

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

License File No.: BLH-890323KA

This license covers Permit No.: 870731IA

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.

Name of Licensee:

WHCN, INC.

Station Location:

CT-HARTFORD

Call sign: WHCN

License No.: BLH-890323KA

Frequency (MHz): 105.9

Channel: 290

Class: B

Hours of Operation: Unlimited

Main Studio Address:

CT-1039 Asylum Avenue, Hartford

Transmitter location (address or description):

West Peak, Meriden City, Hartford County, Connecticut

Remote control point address:

CT-1039 Asylum Avenue, Hartford

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

Transmitter output power (kW): 11.0

Antenna type: (directional or non-directional): Directional

Desc: SEE CONDITIONS

Antenna coordinates: North Latitude: 41 33 47.0  
West Longitude: 72 50 42.0

	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) . . . . . :	57.0	57.0
Height of radiation center above mean sea level (meters) . . . . . :	362.0	362.0
Height of radiation center above average terrain (meters) . . . . . :	264.0	264.0

Overall height of antenna structure above ground (including obstruction lighting, if any) . . . . . : 61.0 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. 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

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.

ANTENNA DESCRIPTION: Continental Electronics  
G5CPS-2AE-CP-DA two section directional antenna,  
horizontally and vertically polarized, pole-mounted  
atop a self-supporting steel tower