



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

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

Dennis L. Williams
Assistant Chief
Audio Division
Media Bureau

Facility ID: 10142

Grant Date: March 25, 1986

Call Sign: KTCZ-FM

This permit expires 3:00 a.m.
local time, September 25, 1987.

Permit File Number: BPH-19820514AR

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Name of Permittee: IHM LICENSES, LLC

Station Location: MN-MINNEAPOLIS

Frequency (MHz): 97.1

Channel: 246

Class: C

Hours of Operation: Unlimited

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

Transmitter output power: As required to achieve authorized ERP.

Antenna type: Directional

Antenna Coordinates: North Latitude: 45 deg 01 min 25 sec
West Longitude: 93 deg 22 min 58 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	100	85
Height of radiation center above ground (Meters):	85	85
Height of radiation center above mean sea level (Meters):	354	354
Height of radiation center above average terrain (Meters):	72	72

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 94 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 During the installation of the antenna authorized herein, AM Station (s) listed below shall determine operating power by the indirect method and, if necessary, request temporary authority from the Commission in Washington to operate with parameters at variance in order to maintain monitoring point values within authorized limits. Upon completion of the installation, common point impedance measurements on the AM array shall be made and a partial proof of performance, as defined by Section 73.154(a) of the Commission's Rules, shall be conducted to establish that the AM array has not been adversely affected and, prior to or simultaneous with the filing of the application for license to cover this permit, the results submitted to the Commission (along with a tower sketch of the installation) in an application for the AM station to return to the direct method of power determination.
(Revised January 28, 1983)
KTCJ
- 2 Neither the horizontally nor vertically polarized radiation component shall exceed the following value at any azimuth.
100KW

Special operating conditions or restrictions:

- 3 Each component shall be restricted to the following values at the azimuths specified below.
12.0KW @ 0DEG T, 16.0KW @ 340DEG T, 12.6KW @ 20DEG T
- 4 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.
- 5 The horizontal and vertical radiation patterns as submitted with the application for construction permit are authorized by this permit. Changes made to these patterns will require the filing of FCC Form 301 for commercial stations and FCC Form 340 for educational stations to modify this construction permit BEFORE PROGRAM TESTS ARE AUTHORIZED. BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance may be accomplished using the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances. Engineering exhibits should include a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration. BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit an affidavit from a licensed surveyor to establish that the directional antenna has been oriented at the proper azimuth.

Special operating conditions or restrictions:

- 6 CONDITION FOR MAINTAINING NO 20 MV/M CONTOUR OVERLAP WITH
STATION KMGW(FM), ANOKA, MN.

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THIS CONSTRUCTION PERMIT IS PREDICATED UPON THE AGREEMENT
BETWEEN KTWN-FM, INC., LICENSEE OF STATION KMGW(FM), ANOKA,
MN, AND PARKER COMMUNICATIONS, INC., LICENSEE OF STATION
KTCZ(FM), MINNEAPOLIS, MN, MADE THE 9TH DAY OF DECEMBER
1985. AS PART OF THIS AGREEMENT, NEITHER PARTY SHALL SEEK
CHANGES TO ITS FACILITIES WHICH WILL CAUSE THE STATION'S
20MV/M CONTOUR TO OVERLAP THE 20 MV/M CONTOUR OF THE OTHER
STATION. ACCORDINGLY, THE COMMISSION CAN NOT GRANT ANY
FUTURE APPLICATION FOR CHANGES IN FACILITIES WHICH DO NOT
STRICTLY MEET THE STANDARDS OF THE ABOVE-MENTIONED AGREEMENT
OR WHICH CAUSE THE 20 MV/M CONTOUR OF ONE STATION TO OVERLAP
THE 20 MV/M CONTOUR OF THE OTHER STATION. DIRECTIONAL
ANTENNA PATTERNS IN COMPLIANCE WITH SECTION 73.316 OF THE
COMMISSION'S RULES CAN BE EMPLOYED BY EITHER STATION TO
AVOID THE 20 MV/M CONTOUR OVERLAP.

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GRANT OF THE INSTANT APPLICATION DOES NOT IMPLY APPROVAL
FOR THE FACILITIES MENTIONED IN THE AGREEMENT BETWEEN
PARKER COMMUNICATIONS, INC. AND SPARTA-TOMAH BROADCASTING
CO., INC. DATED NOVEMBER 5, 1984. ANY FUTURE APPLICATION
FOR INCREASES IN FACILITIES WILL HAVE TO BE JUDGED BY A
SEPARATE PUBLIC INTEREST SHOWING PRESENTED AT THE TIME OF
APPLICATION.

*** END OF AUTHORIZATION ***