



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

Authorizing Official:

Official Mailing Address:

SACRED HEART UNIVERSITY, INC.  
5151 PARK AVE  
FAIRFIELD CT 06825

Rodolfo F. Bonacci  
Assistant Chief  
Audio Division  
Media Bureau

Facility ID: 58515

Call Sign: WSHU-FM

Permit File Number: BPED-20130916AEM

Grant Date: November 19, 2013

This permit expires 3:00 a.m.  
local time, 36 months after the  
grant date specified above.

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: SACRED HEART UNIVERSITY, INC.

Station Location: CT-FAIRFIELD

Frequency (MHz): 91.1

Channel: 216

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: As required to achieve authorized ERP.

Antenna type: Directional

Antenna Coordinates: North Latitude: 41 deg 16 min 44 sec  
West Longitude: 73 deg 11 min 08 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	20.0	20.0
Height of radiation center above ground (Meters):	120	120
Height of radiation center above mean sea level (Meters):	278	278
Height of radiation center above average terrain (Meters):	195	195
Antenna structure registration number:	1205267	

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 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 2 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 this construction permit.

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

20 kilowatts.

Principal minima and their associated field strength limits:

30 degrees True: 1.2 kilowatts

- 3 Further modification of WXCI(FM), Facility ID No. 71786, Danbury, CT will not be construed as a per se modification of WSHU-FM's facility. (See Educational Information Corporation, 6 FCC Rcd. 2207 (1991)).

\*\*\* END OF AUTHORIZATION \*\*\*