



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

Authorizing Official:

Official Mailing Address:

SUN SIGNALS LLC
5503 SW 6TH AVE
CAPE CORAL FL 33914

George H. Gwinn
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 158099

Call Sign: W276BV

Permit File Number: BNPFT-20030828APY

Grant Date: October 22, 2004

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

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.

Name of Permittee: SUN SIGNALS LLC

Principal community to be served: CT-GREENWICH

Primary Station: WSHU-FM (FM) , Channel 216, FAIRFIELD, CT

Via: Direct - off-air

Frequency (MHz): 103.1

Channel: 276

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 41 deg 02 min 02 sec
West Longitude: 73 deg 37 min 50 sec

Transmitter: Type Accepted. See Sections 73.1660, 74.1250 of the Commission's Rules

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

Major lobe directions 320
(degrees true):

	Horizontally Polarized Antenna:	Vertically Polarized Antenna:
Effective radiated power in the Horizontal Plane (kw):	0.001	0.001
Height of radiation center above ground (Meters):	35	35
Height of radiation center above mean sea level (Meters):	84	84

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 37 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 permittee/licensee 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 Prior to commencing program test operations, FM Translator or FM Booster permittee must have on file at the Commission, FCC Form 350, Application for an FM Translator or FM Booster Station License, pursuant to 47 C.F.R. Section 74.14.

Special operating conditions or restrictions:

- 3 Prior to construction of the tower authorized herein, permittee shall notify AM Station(s) listed below so that the station(s) may commence determining operating power by the indirect method. Permittee shall be responsible for the installation and continued maintenance of detuning apparatus necessary to prevent adverse effects upon the radiation pattern of the AM station(s). Both prior to construction of the tower and subsequent to the installation of all appurtenances thereon, antenna impedance measurements of the AM station(s) shall be made and sufficient field strength measurements, taken at 8 locations along each of six equally spaced radials, shall be made to establish that the AM radiation pattern is essentially omnidirectional. Prior to or simultaneous with the filing of application for license to cover this permit, the results of the field strength measurements and the impedance measurements shall be submitted to the Commission in an application for the AM station(s) to return to the direct method of power determination.

(Revised March 14, 1983)

WGCH(AM), Greenwich, CT

- 4 A two bay, half-wave spaced Scala 2xCA-2CP directional antenna array will be mounted at a corner hospital rooftop, and the major lobe will be pointed away from the hospital

*** END OF AUTHORIZATION ***