



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

Authorizing Official:

Official Mailing Address:

WAY BROADCASTING LICENSEE, LLC  
40 EXCHANGE PLACE  
SUITE 1010  
NEW YORK NY 10005

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 73306

Call Sign: WZHF

Permit File Number: BP-20131223AFI

Grant Date: April 29, 2014

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

Permit to change power, patterns, site, and city (from Arlington, VA to  
Capital Heights, MD) and co-locating with AM stations WJFK and WUST.

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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:  
Local Standard Time (Non-Advanced)

Jan.	7:30 AM	5:15 PM	Jul.	5:00 AM	7:30 PM
Feb.	7:00 AM	5:45 PM	Aug.	5:15 AM	7:00 PM
Mar.	6:15 AM	6:15 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:45 PM	Oct.	6:15 AM	5:30 PM
May	5:00 AM	7:15 PM	Nov.	6:45 AM	5:00 PM
Jun.	4:45 AM	7:30 PM	Dec.	7:15 AM	4:45 PM

Callsign: WZHF

Permit No.: BP-20131223AFI

Name of Permittee: WAY BROADCASTING LICENSEE, LLC

Station Location: CAPITOL HEIGHTS, MD

Frequency (kHz): 1390

Station Class: B

Antenna Coordinates:

Day

Latitude: N 38 Deg 52 Min 09 Sec

Longitude: W 76 Deg 53 Min 47 Sec

Night

Latitude: N 38 Deg 52 Min 09 Sec

Longitude: W 76 Deg 53 Min 47 Sec

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

Nominal Power (kW): Day: 9.0 Night: 1.0

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	48.46
2	None	48.46
3	None	48.46
4	None	48.46

Night:

Tower No.	ASRN	
1	None	48.46
2	None	48.46
3	None	48.46
4	None	48.46

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 908.625 Night: 304.803

Standard RMS (mV/m/km): Day: 954.576 Night: 320.237

Augmented RMS (mV/m/km):

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	79.2
2	0.4200	-25.000	131.8200	10.200	0	79.2
3	1.2170	94.400	122.6400	45.000	0	79.2
4	0.1300	-78.500	243.1300	27.000	0	79.2

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.3030	110.100	0.0000	0.000	0	79.2
2	1.1350	148.700	131.8200	10.200	0	79.2
3	1.0000	0.000	122.6400	45.000	0	79.2
4	0.2730	45.800	243.1300	27.000	0	79.2

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

## Inverse Distance Field Strength:

The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:

## Day:

Azimuth:	Radiation:	
62.5	139.8	mV/m

## Night:

Azimuth:	Radiation:	
6.5	33.45	mV/m
217	34.53	mV/m

## Special operating conditions or restrictions:

- 1 The permittee must submit a proof of performance as set forth in either Section 73.151(a) or 73.151(c) of the rules before program tests are authorized.  
A proof of performance based on field strength measurements, per Section 73.151(a), shall include a complete nondirectional proof of performance, in addition to a complete proof on the (day) and (night) directional antenna system. The nondirectional and directional field strength measurements must be made under similar environmental conditions. The proof(s) of performance submitted to the Commission must contain all of the data specified in Section 73.186 of the rules.  
Permittees who elect to submit a moment method proof of performance, as set forth in Section 73.151(c), must use series-fed radiators. In addition, the sampling system must be constructed as described in Section 73.151(c) (2) (i).
- 2 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.
- 3 A license application (FCC Form 302) to cover this construction permit must be filed with the Commission pursuant to Section 73.3536 of the Rules before the permit expires.
- 4 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.

## Special operating conditions or restrictions:

- 5 Before program tests are authorized, sufficient data shall be submitted to show that adequate filters, traps and other equipment has been installed and adjusted to prevent interaction, intermodulation and/or generation of spurious radiation products which may be caused by common usage of the same antenna system by Stations WZHF, WUST (ID# 48686) and WJFK(ID# 28638), and there shall be filed with the license

application copies of a firm agreement entered into by the three stations involved clearly fixing the responsibility of each with regard to the installation and maintenance of such equipment. In addition, field observations shall be made to determine whether spurious emissions exist and any objectionable problems resulting therefrom shall be eliminated. Following construction, and prior to authorization of program test under this grant, all three stations shall each measure antenna or common point resistance and submit FCC Form 302 as application notifying the return to direct measurement of power.

- 6 Ground system consists of 120 equally spaced, buried, copper radials, each 67.1 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus 120 interspersed radials 15.2 meters in length, about the base of each tower.
- 7 The fundamental field strength produced by call sign(AM)'s operation as determined by measurements at the Federal Communication Commission's Laurel, Maryland monitoring station, in the immediate vicinity of the location described by the graphical coordinates (NAD 27) 39 09 54 NL and 76 49 17 WL, shall not exceed 10 mV/m (80 dbu) at any time.

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