

# Chattanooga, TN - WYBK(FM) Copy of Existing ASR



**Registration Detail**

|             |          |             |             |
|-------------|----------|-------------|-------------|
| Reg Number  | 1043839  | Status      | Constructed |
| File Number | A0904897 | Constructed | 01/01/1969  |
| EMI         | No       | Dismantled  |             |
| NEPA        | No       |             |             |

**Antenna Structure**

|  |                            |                            |                   |
|--|----------------------------|----------------------------|-------------------|
| Structure Type                         | LTOWER - Lattice Tower     |                            |                   |
| <b>Location</b> (in NAD83 Coordinates) |                            |                            |                   |
| Lat/Long                               | 35-10-18.3 N 085-18-58.5 W | Address                    | 1005 OLSEN AVENUE |
| City, State                            | WALDEN , TN                |                            |                   |
| Zip                                    | 37377                      | County                     | HAMILTON          |
| Center of AM Array                     |                            | Position of Tower in Array |                   |

**Heights (meters)**

|  |       |   |      |
|--|-------|---|------|
| Elevation of Site Above Mean Sea Level | 605.9 | Overall Height Above Ground (AGL)             | 63.1 |
| Overall Height Above Mean Sea Level    | 669.0 | Overall Height Above Ground w/o Appurtenances | 62.0 |

**Painting and Lighting Specifications**

FAA Chapters 3, 4, 5, 9  
 Paint and Light in Accordance with FAA Circular Number 70/7460-1G

**FAA Notification**

|           |                  |                |            |
|-----------|------------------|----------------|------------|
| FAA Study | 2014-ASO-3732-OE | FAA Issue Date | 05/12/2014 |
|-----------|------------------|----------------|------------|

**Owner & Contact Information**

|     |            |                   |             |
|-----|------------|-------------------|-------------|
| FRN | 0002060788 | Owner Entity Type | Corporation |
|-----|------------|-------------------|-------------|

**Owner**

|  |  |
|--|--|
| Bible Broadcasting Network, Inc.<br>Attention To: Michael Raley<br>11530 Carmel Commons Blvd<br>CHARLOTTE , NC 28226 | P: (704)523-5555<br>F:<br>E: MRALEY@BBNMEDIA.ORG |
|--|--|

**Contact**

|  |  |
|--|--|
| RALEY , MICHAEL G<br>11530 CARMEL COMMONS BLVD<br>CHARLOTTE , NC 28104 | P: (704)523-5555<br>F:<br>E: MRALEY@BBNMEDIA.ORG |
|--|--|

**Last Action Status**

|         |              |          |            |
|---------|--------------|----------|------------|
| Status  | Constructed  | Received | 05/13/2014 |
| Purpose | Notification | Entered  | 05/13/2014 |
| Mode    | Interactive  |          |            |

**Related Applications**

- 05/13/2014 A0904897 - Notification (NT)
- 05/13/2014 A0904893 - Modification (MD)
- 11/22/2010 A0706024 - Admin Update (AU)

Related applications (4)

**Comments**

**Comments**

None

**History**

**Date**

- 05/13/2014
- 05/13/2014
- 11/23/2010

All History (6)

**Event**

- Construction Notification Received
- Modification Received
- Registration Printed

**Automated Letters**

|            |                          |
|------------|--------------------------|
| 11/23/2010 | Authorization, Reference |
|------------|--------------------------|

**Chattanooga, TN - WYBK(FM)  
USGS Aerial Photo-Map  
of Existing Site**

**Site Location (NAD 27)**  
NL: 35° 10' 18"  
WL: 85° 18' 59"  
(35-10-18.3NL; 85-18-58.5WL NAD1983)

1988 ft./605 m



0 100 200ft

  
**MUNN-REESE, INC.**  
Broadcast Engineering Consultants  
Coldwater, MI 49036  
1(517)278-7339

  
The National Map

# Chattanooga, TN – WYBK(FM) Vertical Plan of Antenna System

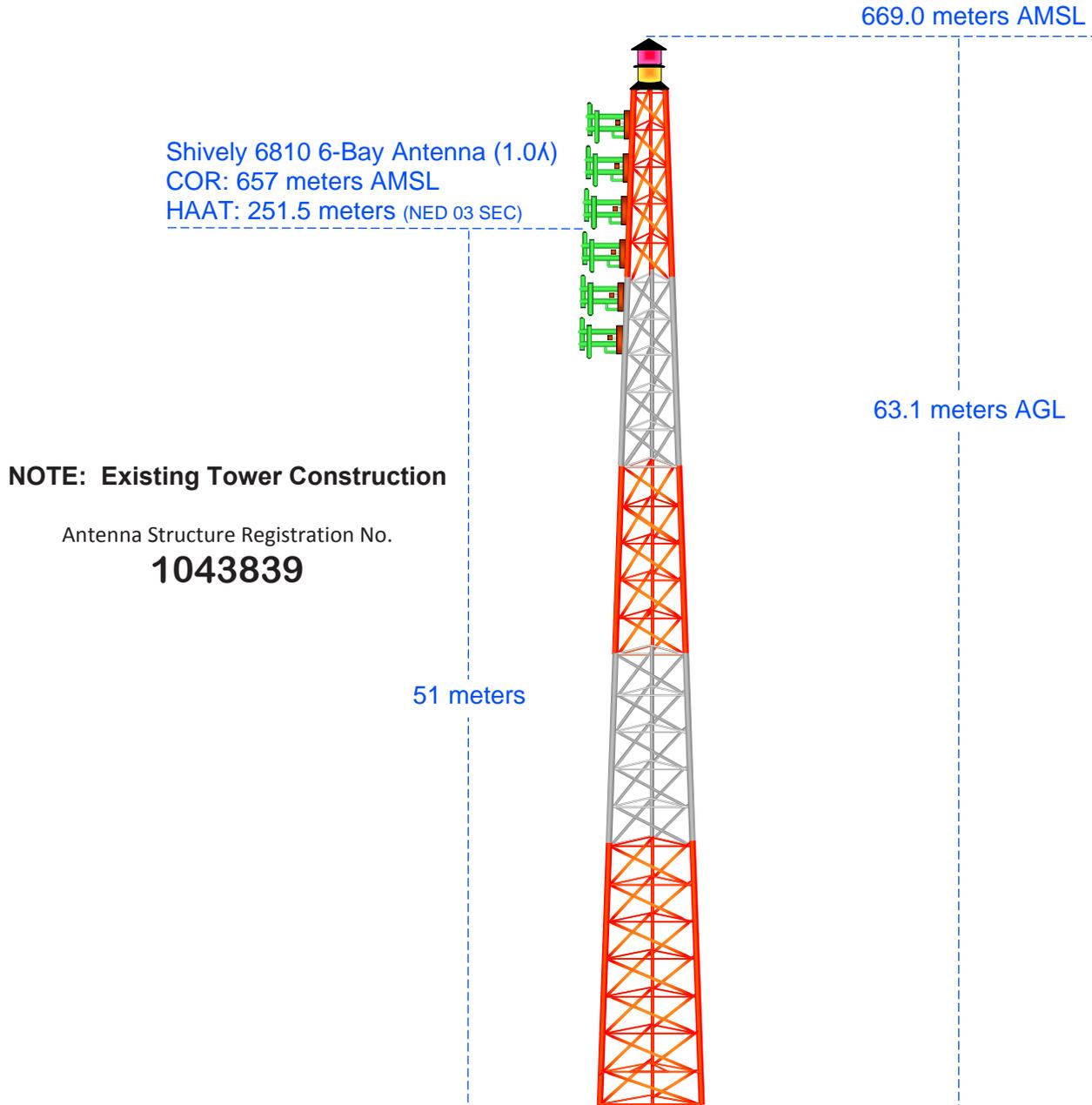
The site is located at 1005 Olsen Avenue;  
the city of Walden, Hamilton County, Tennessee.

## Site Location (NAD 27)

NL: 35° 10' 18"

WL: 85° 18' 59"

(35-10-18.3NL; 85-18-58.5WL NAD1983)



Ground Elevation = 605.9 m AMSL  
Drawing is not to Scale

# Chattanooga, TN – WYBK(FM)

## PROPOSED FM OPERATING SPECIFICATIONS

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**Applicant:** Bible Broadcasting Network, Inc.

**Call:** WYBK(FM)

**City of License:** Chattanooga, TN

**Frequency:** 89.7 MHz    **Channel:** 209C1    **ERP:** 100.0 kW    **HAAT:** 251.5 m

**Transmitter Location:** The site is located at 1005 Olsen Avenue.

**City:** Walden

**County:** Hamilton

**State:** Tennessee

**Site Coordinates:** NL: 35° 10' 18"    /    WL: 85° 18' 59"

**Tower Registration Number:** 1043839

**Proposed Operation:** Class C1

**Effective Radiated Power:** 100.0 kW (H)                      100.0 kW (V)

**Height of Antenna Radiation Center Above:**

|            | <u>Average Terrain</u> | <u>Mean Sea Level</u> | <u>Ground</u> |
|------------|------------------------|-----------------------|---------------|
| Horizontal | 251.5 meters           | 657 meters            | 51 meters     |
| Vertical   | 251.5 meters           | 657 meters            | 51 meters     |

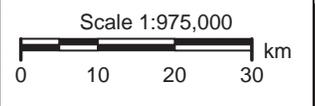
**Elevation of Tower Site :** 605.9 meters AMSL

**Overall Height of Structure Above Ground :** 63.1 meters AGL

**Overall Height of Structure Above Mean Sea Level:** 669.0 meters AMSL

# Chattanooga, TN - WYBK(FM) Licensed Service Contour Study

Licensed 60 dBu F(50:50)



NED 03 SEC Terrain Database  
US Census 2010 PL Database

**WYBK(FM)**  
Chattanooga, TN  
Corrected Operation  
Facility ID: 65216  
Latitude: 35-10-18 N  
Longitude: 085-18-59 W  
ERP: 100.00 kW  
Channel: 209C1  
Frequency: 89.7 MHz  
AMSL Height: 657.0 m

**60 dBu Contour**  
Total Population: 948,623  
Total Area: 14,777 sq. km

## HAAT Calculation included in Separate Showing

