



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

BIBLE BROADCASTING NETWORK, INC.
11530 CARMEL COMMONS BLVD.
CHARLOTTE NC 28226

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: March 29, 2019

This license expires 3:00 a.m.
local time, June 01, 2022.

Facility Id: 9428

Call Sign: WYBY

License File Number: BZ-20190128ACG

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Unlimited

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

Jan.	7:30 AM	5:00 PM	Jul.	4:45 AM	7:45 PM
Feb.	7:00 AM	5:30 PM	Aug.	5:15 AM	7:15 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	4:45 AM	7:15 PM	Nov.	7:00 AM	4:45 PM
Jun.	4:30 AM	7:45 PM	Dec.	7:30 AM	4:30 PM

Callsign: WYBY

License No.: BZ-20190128ACG

Name of Licensee: BIBLE BROADCASTING NETWORK, INC.

Station Location: CORTLAND, NY

Frequency (kHz): 920

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 33 Min 22 Sec

Longitude: W 76 Deg 09 Min 18 Sec

Night

Latitude: N 42 Deg 33 Min 22 Sec

Longitude: W 76 Deg 09 Min 18 Sec

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

Nominal Power (kW): Day: 1.0 Night: 0.5

Antenna Input Power (kW): Day: 1.0 Night: 0.54

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 4.4 Night: 3.24

Resistance (ohms): Day: 51.7 Night: 51.4

Non-Directional Antenna: Day

Radiator Height: 80.77 meters; 89.2 deg

Theoretical Efficiency: 305.78 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1006743	

Night:

Tower No.	ASRN	Overall Height (m)
1	1006742	
2	1006743	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 199.56
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night: 222.05
 Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	-140.000	0.0000	0.000	0	89.2
2	1.0000	0.000	78.0000	149.000	0	89.2

* Tower Reference Switch

0 = Spacing and orientation from reference tower
 1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	4.0	70.0	366.93
2	39.0	67.0	244.62
3	72.5	10.0	80.47
4	90.0	10.0	19.31
5	100.0	10.0	56.33
6	156.0	10.0	136.75
7	175.0	10.0	109.35
8	225.5	10.0	77.04
9	234.0	12.0	125.96
10	240.0	12.0	149.67
11	259.0	10.0	229.33
12	283.0	22.0	321.87

Night Directional Operation:

Twr. Phase No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-137	0.86

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
72.5	6.2	8.81
90	3.65	4
156	3.89	32.69
225.5	5.47	12.38

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 Description of Directional Antenna system:

Two (2) vertical, guyed, series-excited steel radiators of uniform cross section. NW (#2) tower supports an FM tower.

Ground system consists of 120 equally spaced, buried #10 awg copper radials about the base of each tower, 80.8 m in length except where shortened to bonding straps.

- 3 Bible Broadcasting Network, Inc. requests waiver of 47 C.F.R. Section 73.1125 to operate the proposed facility as a "satellite" of co-owned noncommercial educational AM station WYFQ(AM), Facility ID# 5152, Charlotte, NC. Based upon the specific representations contained therein, the waiver request IS GRANTED. Bible Broadcasting Network, Inc. shall abide by each representation proffered in the waiver request.

Special operating conditions or restrictions:

4 Location of Monitor Points:

Direction of 72.5 degrees True North- The MP is on the west edge of South Hill Road 76 paces (190 feet) south of the intersection midpoint with Snell Hill Road. Note farmhouse numbered 3410. The monitor point is also directly opposite an unnumbered primary three-phase electric service pole located in the field east of South Hill Road, such that when one stands at the monitor point the pole is directly in line with the tallest tree in a rear hedgerow to the east.

Direction of 90 degrees True North- From Ridge Road, turn left onto Hwy 11. The MP is on the west shoulder of Hwy 11 near a bend in the highway. It is also adjacent to a yellow highway marker post at the beginning of a steel guard rail which stands south of a yellow two-story duplex home whose first floor rests below the highway elevation.

Direction of 156 degrees True North- From Blodgett Mills Road, turn left onto Clute Road (also known as Tuller Hill Road) and travel a total distance of 3.3 mile (5.4 km) to the MP. The MP is on the west shoulder of Clute Road opposite Niagara Mohawk pole #28.

Direction of 225.5 degrees True North- The MP is on the east shoulder of South Cortland Road opposite Niagara Mohawk pole #60 ½ , as well as underground cable pedestal #EC-4.

*** END OF AUTHORIZATION ***