



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

Facility Id: 73299

Call Sign: KYFI

License File Number: BZ-20081022ACN

Grant Date: January 22, 2009

This license expires 3:00 a.m.
local time, February 01, 2013.

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

Callsign: KYFI

License No.: BZ-20081022ACN

Name of Licensee: BIBLE BROADCASTING NETWORK, INC.

Station Location: ST. LOUIS, MO

Frequency (kHz): 630

Station Class: B

Antenna Coordinates:

Day

Latitude: N 38 Deg 40 Min 18 Sec

Longitude: W 90 Deg 06 Min 52 Sec

Night

Latitude: N 38 Deg 40 Min 18 Sec

Longitude: W 90 Deg 06 Min 52 Sec

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

Nominal Power (kW): Day: 5.0 Night: 5.0

Antenna Input Power (kW): Day: 5.4 Night: 5.4

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.39 Night: 10.39

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1008333	
2	1008334	
3	1008335	

Night:

Tower No.	ASRN	Overall Height (m)
1	1008333	
2	1008334	
3	1008335	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 630.86 Night: 630.86

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 699.79 Night: 689.66

Q Factor: Day: 22.36 Night: 15.83

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	29.800	0.0000	0.000	0	90.0
2	1.0000	0.000	90.0000	21.000	0	90.0
3	1.0000	64.800	90.0000	21.000	1	90.0

* 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	21.0	101.0	337.96
2	71.5	77.0	490.85
3	154.0	88.0	836.86
4	201.0	90.0	611.55
5	246.0	68.0	852.95

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.4600	-150.000	0.0000	0.000	0	90.0
2	1.0000	0.000	90.0000	21.000	0	90.0
3	0.7500	150.000	90.0000	21.000	1	90.0

* 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	21.0	70.0	418.43
2	201.0	90.0	1400.13

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
3	246.0	68.0	901.23

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 76	0.9
2 0	1
3 27.5	0.864

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 150.2	0.633
2 0	1
3 -163.9	0.438

Antenna Monitor: POTOMAC INSTRUMENTS 1901

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
323	4.6	116.53

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
56	5.2	46.2
71.5	4.59	17
84.5	5.04	39.3
154	2.62	285
280	2.41	73
338.5	4.88	33.3

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.

Special operating conditions or restrictions:

2 Location of Monitor Points:

Daytime:

Direction of 323° true North. The monitor point is located in front of 2159 Delmar Avenue.

Nighttime:

Direction of 56° true North. Proceed on Horseshoe Lake Road to Highway 111. Turn right onto Highway 111 and proceed 0.6 miles to a point 350 feet south of the entrance road to Horseshoe State park. Monitor point is located in field on east side of Highway 111, 72 feet south of a transformer pole, and in line with the power line that runs north of that pole.

Direction of 71.5° true North. Monitor point is located 155 paces east of the road on the driveway/farm road of 535702 Theikler Road.

Direction of 84.5° true North. Monitor point is located 20 feet behind driveway, along fence, of 1201 Bruns Rd.

Direction of 154° true North. Monitor point is located at the south edge of the pavement opposite the center of the intersection of 47th Street and Maryland Street.

Direction of 280° true North. The monitor point is located on the west side of Walnut Street, just north of the intersection of Hildebrand and Walnut streets (Alley way), across from a gas pipeline warning sign located inside a fenced area on the east side of Walnut Street.

Direction of 338.5° true North. The monitoring point is located on the sidewalk, on the south side of Delmar, between 2646 and 2650 Delmar.

Ground System:

Ground system consists of 120-118.87 meter equally spaced, buried, copper radials about each tower, except where shortened and bonded to a transverse copper strap midway between the towers. Copper strap runs between adjacent towers.

*** END OF AUTHORIZATION ***