



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

BRYAN BROADCASTING LICENSE CORPORATION
P.O. BOX 3248
BRYAN TX 77805

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: October 08, 2015

This license expires 3:00 a.m.
local time, August 01, 2021.

Facility Id: 40912

Call Sign: KWBC

License File Number: BL-20150724AIP

This license covers permit no.: BP-20100712ABU

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: Daytime with Secondary nighttime

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

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

Callsign: KWBC

License No.: BL-20150724AIP

Name of Licensee: BRYAN BROADCASTING LICENSE CORPORATION

Station Location: COLLEGE STATION, TX

Frequency (kHz): 1550

Station Class: D

Antenna Coordinates:

Day

Latitude: N 30 Deg 37 Min 54 Sec

Longitude: W 96 Deg 21 Min 28 Sec

Night

Latitude: N 30 Deg 37 Min 54 Sec

Longitude: W 96 Deg 21 Min 28 Sec

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

Nominal Power (kW): Day: 1.5 Night: 0.045

Antenna Input Power (kW): Day: 1.61 Night: 0.049

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 5.69 Night: 0.99

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1251741	
2	1053753	

Night:

Tower No.	ASRN	Overall Height (m)
1	1251741	
2	1053753	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 388.94 Night: 67.37

Standard RMS (mV/m/km): Day: 408.59 Night: 71.51

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	90.0
2	0.5700	116.300	90.0000	223.000	0	125.9

* 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	1.0000	0.000	0.0000	0.000	0	90.0
2	0.5700	116.300	90.0000	223.000	0	125.9

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	102	1.65
2	0	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	102	1.65
2	0	1

Antenna Monitor: POTOMAC INSTRUMENTS 1901 (4188) S/N 915

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
178	3.53	31.55
268	2.85	47.97

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 KWBC Tower #2 shall be excited with a symmetrical folded unipole feed, utilizing a minimum of three folds. Slant wire is not permitted.

- 3 KWBC Tower #1 will be a vertical, guyed, series-excited, base insulated tower, while KWBC Tower #2 will be a tapered, self-supporting, grounded, folded unipole tower.

The KWBC Tower #2 ground system consists of 120 equally spaced, buried, copper radial about the base of the tower, each 83.7 meters in length, except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap between adjacent towers. The KWBC Tower #1 ground system will be located between the existing KZNE Towers #1 and #2, and it will be tied into the transverse strap connecting the existing ground radials located between the two KZNE towers.

- 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.

- 5 MONITORING POINTS LOCATION:

Direction of 178° True North: The point is located in the southwest corner of the parking lot on a manhole cover at the George Bush Library, 1002 George Bush Drive. It lies 3.53 kilometers from the KWBC transmitter site.

Direction of 268° True North: The point is located on the sidewalk of the southwest corner of Bienski Parkway and Lexi Lane. It lies 2.85 kilometers from the KWBC transmitter site.

Special operating conditions or restrictions:

- 6 Grant of this license application is conditioned on the continuous operation of the licensed facility for the twelve-month period following grant. The failure of the facility to so operate will result in the rescission of this grant, dismissal of the license application and the forfeiture of the associated construction permit pursuant to 47 C.F.R. § 73.3598(c) unless the licensee rebuts the presumption that the authorized facilities were temporarily constructed.

*** END OF AUTHORIZATION ***