



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

RADIO LICENSE HOLDING CBC, LLC
 3280 PEACHTREE ROAD, NW
 SUITE 2200
 ATLANTA GA 30305

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 22190

Call Sign: KWPN

License File Number: BL-19991123AFU

Grant Date: February 08, 2000

This license expires 3:00 a.m.
 local time, June 01, 2005.

This License Covers Permit No.: BP-19961105AB

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

Callsign: KWPN

License No.: BL-19991123AFU

Name of Licensee: RADIO LICENSE HOLDING CBC, LLC

Station Location: MOORE, OK

Frequency (kHz): 640

Station Class: B

Antenna Coordinates:

Day

Latitude: N 35 Deg 17 Min 21 Sec

Longitude: W 97 Deg 30 Min 08 Sec

Night

Latitude: N 35 Deg 17 Min 21 Sec

Longitude: W 97 Deg 30 Min 08 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: 1.0

Antenna Input Power (kW): Day: 5.4 Night: 1.1

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.4 Night: 4.65

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1012597	
2	1012598	
3	1012599	

Night:

Tower No.	ASRN	Overall Height (m)
1	1012597	
2	1012598	
3	1012599	
4	1012600	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 671.73 Night: 326.7

Standard RMS (mV/m/km): Day: 705.71 Night: 343.2

Augmented RMS (mV/m/km):

Q Factor: Day: 22.36 Night: 10

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	0.8500	105.000	100.0000	92.000	0	90.0
3	0.9200	105.000	100.0000	2.000	0	90.0

* 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	0.8900	-89.400	100.0000	92.000	0	90.0
3	0.5400	180.000	100.0000	2.000	0	90.0
4	0.4800	90.600	141.4000	47.000	0	90.0

* 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	0	1
2	105	0.9
3	101.7	0.97

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-86.3	0.884
3	179.2	492
4	88.2	0.449

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Antenna Monitor: Potomac Instruments 1900-4

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)
5	3.5	62.5
86	3.3	64

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
92	4.83	53.3
249	4.34	7.14
276	4.02	8
295	4.5	5.7

*** END OF AUTHORIZATION ***