

FEDERAL COMMUNICATIONS COMMISSION

CLASS OF STATION: AM

EROBINSONO

The following application is submitted for action by the Chief, Mass Media Bureau.

ST	FILE NUMBER	CALL	APPLICANT AND LOCATION	NATURE OF APPLICATION
NC	BZ - 970401AB	WG5B	CAROLINA CHRISTIAN COMM., INC.	DM
		1060KHZ	MEBANE, NC	

919-68

LICENSE EXPIRATION DATE: Dec 01, 2002

2003

CHIEF, LICENSE DIVISION

AKC

RECOMMENDATION: GRANT ()

CONSTRUCTION DATES, START _____ END _____

() UNCONTESTED () CONTESTED ()

7/15/97

APPROVED

FOR CHIEF, MASS MEDIA BUREAU

[Signature]

F.C.C. - WASHINGTON, D.C.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

File No. : BZ-970401AB
File ID: 25036
Call Sign : WGSB

LICENSEE:

Carolina Christian Communications Inc.

- 1. Community of License. . . : Mebane, North Carolina
- 2. Transmitter location. . . . : 3865 Old Hillsborough Rd
Mebane, NC
- 3. Transmitter(s): Type Accepted. See Sections 73.1660,
73.1665 and 73.1670 of the Commission's rules)
- 4. Main Studio Location: (See Section 73.1125)
201 E. Center St.
Mebane, NC
- 5. Remote control location
3013 Guess Road
Durham, NC

North Latitude. : 36° 03' 28"
West Longitude : 79° 16' 36"

6. Antenna and ground system: Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: None Required

8. Frequency. : 1060 KHz

9. Nominal power (kW). : 1.0 Day 0.5 Critical Hours

Antenna input power (kW) : 1.0 Day Non-directional antenna: current 4.65 amperes: resistance 50.0 ohms.
 Directional antenna : Directional antenna : current : resistance : ohms.

0.54 Critical Non-directional antenna: current 3.29 amperes: resistance 50.0 ohms.
Hours Directional antenna :

10. Hours of operation : Daytime

11. Conditions. :

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules made thereunder, and further subject to conditions set forth in this license,¹ the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time
Dec 1, 2003

The Commission reserves the right during said license period of terminating this license or making effective any change, or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period.
The license is issued on the licensee's representation that the statements contained in the 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, as amended. This license is subject to the right of control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

This license consists of this page and pages 2 & 3
Dated: JUL 15 1997
HKC FEDERAL COMMUNICATIONS COMMISSION



File No.: BZ-970401AB

Call Sign: WGSB

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Three(3), Vertical, guyed, series-excited, steel radiators of uniform cross-section. Theoretical RMS: 289.68 mV/m/km @ 1km. Augmented RMS: 305.22 mV/m/km @ 1km. Q factor : 11.39 .

Height above Insulators: 54.86 m (70°)

Overall Height: 56.08 m

Spacing and Orientation: Adjacent elements spaced 180.5 (70°) on a line bearing 230° True.

Non-Directional Antenna: N/A

Ground System consists of 120 equally spaced, buried, copper radials extending 70.71 m in length. Plus a 7.31 m by 7.31 m ground screen at the base of each tower. Intersecting radials shortened and bonded to transverse copper straps midway between adjacent towers.

2. **THEORETICAL SPECIFICATIONS**

Towers: #1(C) #2(SW) #3(NE)

Phasing: Day & CH: 0° 132° -132°

Field Ratio: Day & CH: 1.000 1.920 1.000

3. **OPERATING SPECIFICATIONS**
Phase Indication*:

Day & CH: 0° 128° -132°

Antenna Base
Current Ratio:

Day & CH: 1.000 0.486 0.486

Antenna Monitor Sample
Current Ratio:

Day & CH: 1.000 0.49 0.47

* As indicated by Potomac Instruments AM-19 Antenna Monitor.
Antenna sampling system approved under **Section 73.68 (b) of the Rules.**

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DIRECTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
180	5.31	2.98
210	4.99	1.8
230	5.23	3.0
280	4.18	2.72