

AM BROADCAST STATION CONSTRUCTION PERMIT

1. Permittee:

Phoenix City Broadcasting, Ltd.

2. Station location ..... : Atlanta, Georgia  
3. Transmitter location ..... : S. of intersection Simpson  
Road and New Jersey Ave.

North Latitude ..... : 33° 45' 43"  
West Longitude ..... : 84° 27' 29"

4. Main studio location ..... :  
*(Listed only if not at transmitter site or not within  
boundaries of principal community.)*

5. Remote control location ..... :  
6. Transmitter ..... : Type accepted  
*(See Section 73.1660, 73.1665 and 73.1670 of the  
Commission's Rules.)*

7. Antenna and ground system: Attached

8. Obstruction marking and lighting specifications: FCC Form 715, paragraphs: 1, 3, 12, 21 & 22

9. Operating Assignment  
Frequency ..... : 640 kHz  
Power—Night ..... : 1 kW(Directional)  
Day ..... : 50 kW(Directional)  
Hours of Operation ..... : Unlimited  
10. Conditions ..... : Attached

11. Deadline for completion of construction and filing FCC Form 302: 12 months from date of grant (shown below)

Subject to the provisions of the Communications Act of 1934, as amended, treaties, and Commission Rules, and further subject to conditions set forth in this permit,<sup>1</sup> authority is hereby granted to construct an AM broadcast station located and described as above.  
Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission Rules.  
This permit shall be forfeited if the station is not ready for operation within the time specified or within such further time as the Commission may allow unless completion of the station is prevented by causes not under the control of the permittee. See Section 1, 599 of the Commission's Rules.

<sup>1</sup> This construction permit consists of this page and page(s)



Average hours of sunrise and sunset:	
Standard Time (Non-Advanced)	
Jan.	7:45 am to 5:45 pm
Feb.	7:30 am to 6:15 pm
Mar.	6:45 am to 6:45 pm
Apr.	6:15 am to 7:15 pm
May	5:30 am to 7:30 pm
Jun.	5:30 am to 7:45 pm
Jul.	5:30 am to 7:45 pm
Aug.	6:00 am to 7:30 pm
Sep.	6:15 am to 6:45 pm
Oct.	6:45 am to 6:00 pm
Nov.	7:15 am to 5:30 pm
Dec.	7:30 am to 5:30 pm

File No. BP-810729AF . Call Letters NEW Date \_\_\_\_\_

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM DA -2

No. and Type of Elements: Three, guyed, series-excited, steel radiators of uniform cross-section. Theoretical RMS: 2011.68 mV/m/km, day, 304.97 mV/m/km, night. Standard RMS: 2113.39 mV/m/km, day; 320.42 mV/m/km, night.

Height above Insulators: 336' (89.02° including top loading)

Overall Height: 340'

Spacing and Orientation: With tower #1 as reference; tower #2 is spaced 341.5' (80°) on a line bearing 352° T tower #3 is spaced 341.5' (80°) on a line bearing 270° T.

Non-Directional Antenna: None used

Ground System Consists of 120 equally spaced radials each tower, 380 feet in length, except where terminated by copper bus or property boundary.

2. THEORETICAL SPECIFICATIONS

	Tower	E(#1)	N(#2)	W(#3)
Phasing:	Night	0°	-	50°
	Day	-141°	0°	-
Field Ratio:	Night	1.0	-	1.0
	Day	0.7	1.0	--

3. The inverse distance field intensity at a distance of one mile from the above antenna in the directions specified shall not exceed the following values:

<u>Azimuth</u>	<u>Night</u>	<u>Radiation</u>	<u>Azimuth</u>	<u>Day</u>	<u>Radiation</u>
90.0° T		232.67 mV/m	53.0° T		424.40 mV/m
270.0°		101.96	291.0° T		424.40 mV/m
			352.0° T		926.96 mV/m

A monitoring point in each of the above directions in which a field intensity is specified shall be designated with complete detail including a description of the point, directions for proceeding thereto and the field intensity measured at the point after final adjustment of the antenna system in exact accordance with the terms of this authorization and the Rules and Regulations and Standards of Good Engineering Practice Governing Standard Broadcast Stations. The points shall be in the clear so as to permit the taking of unobstructed field intensity measurements and shall be located not less than one mile nor more than four miles from the antenna in the direction specified.

No operation shall occur other than during the experimental period until data has been submitted showing that operation is in accordance with the above specifications and that the field intensity pattern is in substantial agreement with the theoretical pattern specified in the application