

AM BROADCAST STATION LICENSE

LICENSEE: American Trust Corporation

1. Community of License. . . : Prattville, AL
2. Transmitter location. .... : 1.5 miles west of  
McQueen, south of County Road 4,  
Prattville, AL

North Latitude. .... : 32° 25' 23"  
West Longitude .... : 86° 26' 21"

6. Antenna and ground system:

Attached

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)  
128 Lee Street  
Prattville, AL

5. Remote control location

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

8. Frequency. .... : 1410 kHz

9. Nominal power (kW). .... : 5.0 Day 1.0 Night

Antenna input power (kW) :

5.4 Day ☐ Non-directional antenna: current 10.4 amperes: resistance 50 ohms.  
☒ Directional antenna

1.08 Night ☐ Non-directional antenna: current 4.65 amperes: resistance 50 ohms.  
☒ Directional antenna

10. Hours of operation : Unlimited

11. Conditions. .... : Attached

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,<sup>1</sup> 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

April 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.

CNM

FEDERAL  
COMMUNICATIONS  
COMMISSION



<sup>1</sup> This license consists of this page and pages 2, 3 & 4

Dated:

MAY 13 1997

File No.: BZ-970203AA

Call Sign: WIQR

1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

**No. and Type of Elements:** Three, uniform cross section, guyed, series excited, base insulated towers.

**Height above Insulators:** 53 m (90°)

**Overall Height:** 55 m

**Spacing and Orientation:** With tower #1(C) as a reference, tower #2(E) is spaced 90.5° on a line bearing 104.9° True; tower #3(W) is spaced 89.6° on a line bearing 287.1° True.

**Ground System:** 120 buried, copper radials about the base of each tower, each 61 meters in length except at the property boundary or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers. In addition, 120 radials, each 15 meters in length, about the base of each tower, interspersed between the longer radials.

**Theoretical RMS:** Day, 630.8 mV/m at 1 km; night, 322.5 mV/m at 1 km.

**Standard RMS:** Day, 662.8 mV/m at 1 km; night, 338.9 mV/m at 1 km.

2. **THEORETICAL SPECIFICATIONS**

| Towers:      |        | #1(C)  | #2(E)   | #3(W)   |
|--------------|--------|--------|---------|---------|
| Phasing:     | Night: | -3.9°  | +205.6° | -199.6° |
|              | Day:   | -19.1° | +155.1° | -151.8° |
| Field Ratio: | Night: | 0.496  | 0.242   | 0.242   |
|              | Day:   | 0.313  | 0.525   | 0.184   |

3. **OPERATING SPECIFICATIONS**

|           |        |         |         |         |
|-----------|--------|---------|---------|---------|
| Phasing*: | Night: | +161.0° | 0.0°    | -151.1° |
|           | Day:   | +53.2°  | -174.1° | 0.0°    |

**Antenna Monitor Sample Current Ratio\*:**

|        |       |       |       |
|--------|-------|-------|-------|
| Night: | 0.600 | 1.000 | 0.488 |
| Day:   | 0.350 | 0.599 | 1.000 |

**Antenna Base Current Ratio:**

|        |       |       |       |
|--------|-------|-------|-------|
| Night: | 0.566 | 1.000 | 0.474 |
| Day:   | 0.347 | 0.660 | 1.000 |

\* As indicated by Potomac Instruments AM-19D (210) Antenna Monitor.

**Antenna sampling system approved under Section 73.68 (b) of the Rules.**

File No.: BZ-970203AA

Call Sign: WIQR

**DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:**

**Direction of 78.5° True North.** From the transmitter, turn right onto County road 4 and proceed east 2.6 kilometers (1.6 miles) to U.S. Highway 31. Turn left and proceed north 0.3 kilometer (0.2 mile) to the second crossover (U-Turn) and turn at the south end of the crossover. The monitor point is on the west edge of the southbound lane, 50 feet south of the crossover. The point is near a "Watch for Ice on Bridge" sign and in line with the rear east corner of a brick building. The point is No. 16 on the radial; the distance from the center of the array is 2.5 kilometers (1.6 miles). The field strength measured at this point should not exceed **103 mV/m, daytime.**

**Direction of 137° True North.** From the transmitter, turn right onto County Road 4 and proceed east 2.6 kilometers (1.6 miles) to U.S. Highway 31. Turn right and proceed south 3.5 kilometers (2.2 miles), crossing the Alabama River. Turn right onto Hunter Loop Road; cross the ICG Railroad, turn right onto Washington Ferry Road and proceed west 1.6 kilometers (1.0 mile) to the point. The monitor point is on the north margin of the pavement at mailbox No. 5062. The point is No. 16 on the radial; the distance from the center of the array is 3.8 kilometers (2.4 miles). The field strength measured at this point should not exceed **89.0 mV/m, daytime.**

**Direction of 210.5° True North.** From the transmitter, turn right onto County Road 4 and proceed east 2.6 kilometers (1.6 miles) to U.S. Highway 31. Turn right and proceed south 6.9 kilometers (4.3 miles), crossing the Alabama River. Turn right onto Western Boulevard (Alternate Highways 31 and 82). Proceed west 2.4 kilometers (1.5 miles), crossing the Western Railway of Alabama, then immediately turn right onto Old Selma Road. Follow Old Selma Road approximately 10.5 kilometers (6.5 miles), crossing Pintlalla Creek and entering Lowndes County. Continue on Old Selma Road approximately 2.9 kilometers (1.8 miles) farther to the point. The monitor point is on the north edge of the pavement at the intersection with two lanes leading north. The point is No. 11 on the radial; the distance from the center of the array is 11.9 kilometers (7.4 miles). The field strength measured at this point should not exceed **0.54 mV/m, nighttime.**

**Direction of 218° True North.** From the transmitter, turn right onto County Road 4 and proceed east 2.6 kilometers (1.6 miles) to U.S. Highway 31. Turn right and proceed south 6.9 kilometers (4.3 miles), crossing the Alabama River. Turn right onto Western Boulevard (Alternate Highways 31 and 82). Proceed west 2.4 kilometers (1.5 miles), crossing the Western Railway of Alabama, then immediately turn right onto Old Selma Road. Follow Old Selma Road approximately 10.5 kilometers (6.5 miles), crossing Pintlalla Creek and entering Lowndes County. Continue on Old Selma Road approximately 5.3 kilometers (3.3 miles) farther to the point. The monitor point is on the north edge of the pavement opposite a marked power pole to the south. The point is No. 11 on the radial; the distance from the center of the array is 13.4 kilometers (8.3 miles). The field strength measured at this point should not exceed **3.3 mV/m, daytime.**

**Direction of 286° True North.** From the transmitter, turn left onto County Road 4 and proceed west approximately 3.1 kilometers (1.9 miles) to the point. The monitor point is at the curb adjoining the Spring Hill Church property in the northeast corner of the intersection. The point is No. 16 on the radial; the distance from the center of the array is 3.1 kilometers (1.9 miles). The field strength measured at this point should not exceed **63.2 mV/m, nighttime.**

**File No.: BZ-970203AA**

**Call Sign: WIQR**

**Direction of 353° True North.** From the transmitter, turn right onto County Road 4 and proceed east 2.6 kilometers (1.6 miles) to U.S. Highway 31. Turn left and proceed north 4.3 kilometers (2.7 miles) to the point. The monitor point is at the intersection with a small road leading southeast to a nearby concrete plant and heavy equipment yard. Rick's Trim Shop occupies the southeast corner of the intersection. The point is No. 18 on the radial; the distance from the center of the array is 3.2 kilometers (2.0 miles). The field strength measured at this point should not exceed **41.2 mV/m, daytime.**

**Direction of 358° True North.** From the transmitter, turn right onto County Road 4 and proceed east 2.6 kilometers (1.6 miles) to U.S. Highway 31. Turn left and proceed north approximately 3.9 kilometers (2.4 miles) to the point. The monitor point is on the east edge of the right-of-way at the service entrance driveway of Larry Puckett Chevrolet. The point is No. 17 on the radial; the distance from the center of the array is 2.9 kilometers (1.8 miles). The field strength measured at this point should not exceed **11.1 mV/m, nighttime.**