

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

File No. **BZ-901015AI**

Call Sign : **KFYI**

LICENSEE:

The Broadcast Group, Inc.

1. Community of License : **Phoenix, AZ.**
2. Transmitter location : **28th Avenue & Maryland,
Phoenix, AZ.**

North latitude : **33 ° 32 ' 00.4"**
West longitude : **112 ° 07 ' 17.6"**

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)

**631 North First Avenue
Phoenix, AZ.**

5. Remote control location:
(same)

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: **1, 3, 12 and 21.**

8. Frequency : **910** KHZ

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

Antenna input power (kW):

5.0 Day Non-directional antenna: current **7.91** amperes; resistance **80** ohms.
 Directional antenna
5.4 Night Non-directional antenna: current **10.24** amperes; resistance **51.5** ohms.
 Directional antenna

10. Hours of operation: Specified in **BS-2004**

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

October 1, 1997

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 or any decision rendered as a result of any such hearing which has been designated but not held, 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 use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934, as amended.

¹ This license consists of this page and pages **2 and 3**

Dated: **DEC 06 1990**

FEDERAL
COMMUNICATIONS
COMMISSION



KN/ed

DEC 10 1990

FILE NO. BZ-901015AI Call Sign: KFYI DA-N

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Four (4), vertical, guyed, series-excited, steel radiators of uniform cross-section. Theoretical RMS: 791.80 mV/m/km; augmented RMS. 832.82 mV/m/km. Q = 22.361 Nighttime.

Height above Insulators: 91.5 m (100°)

Overall Height: 93 m

Spacing and Orientation: Towers are spaced 120° on a line bearing 176°T.

Non-Directional Antenna: South (1) tower. Theoretical efficiency: 312.21 mV/m/kw at 1 km, Daytime.

Ground System consists of 120 copper radials 82.3 m long equally spaced about each tower. Radials covered by crushed rock for first 7.6 m and buried thereafter. Radials soldered to copper rings around tower bases which are brazed by copper straps to copper aprons over tower bases. Copper straps at points of radial intersections and along line of towers.

2. THEORETICAL SPECIFICATIONS

| | Tower | S(#1) | SC(#2) | NC(#3) | N(#4) |
|----------------|-------|--------|--------|---------|-------|
| Phasing: Night | | -34.4° | 85.7° | -133.7° | 0° |
| Field Ratio: | | | | | |
| Night | | 0.424 | 1.20 | 1.37 | 1.0 |

3. OPERATING SPECIFICATIONS

| | | | | | |
|---------------------------------------|--|--------|-------|-----|-------|
| Phase Indication*: | | | | | |
| Night | | 114.5° | -148° | 0° | 124° |
| Antenna Base Current Ratio | | | | | |
| Night | | 0.485 | 0.919 | 1.0 | 0.770 |
| Antenna Monitor Sample Current Ratio: | | | | | |
| Night | | 0.470 | 0.920 | 1.0 | 0.760 |

* As indicated by Potomac Instruments AM-19 (204) antenna monitor.

ANTENNA SAMPLING SYSTEM APPROVED UNDER SECTION 73.68(b) OF THE RULES.