



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

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ALPHA MEDIA LICENSEE LLC  
 1211 SW 5TH AVENUE  
 SUITE 750  
 PORTLAND OR 97204

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Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

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Facility Id: 63169

Call Sign: WIBW

License File Number: BML-20020912ABX

Grant Date: November 12, 2002

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

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

Callsign: WIBW

License No.: BML-20020912ABX

Name of Licensee: ALPHA MEDIA LICENSEE LLC

Station Location: TOPEKA, KS

Frequency (kHz): 580

Station Class: B

Antenna Coordinates:

Day

Latitude: N 39 Deg 05 Min 05 Sec

Longitude: W 95 Deg 46 Min 58 Sec

Night

Latitude: N 39 Deg 05 Min 05 Sec

Longitude: W 95 Deg 46 Min 58 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: 5.0

Antenna Input Power (kW): Day: 5.0 Night: 5.4

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 10.04 Night: 10.25

Resistance (ohms): Day: 49.6 Night: 51.5

Non-Directional Antenna: Day

Radiator Height: 129.53 meters; 90 deg

Theoretical Efficiency: 305.78 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

| Tower No. | ASRN    | Overall Height (m) |
|-----------|---------|--------------------|
| 1         | 1033060 |                    |

Night:

| Tower No. | ASRN    | Overall Height (m) |
|-----------|---------|--------------------|
| 1         | 1033060 |                    |
| 2         | 1033061 |                    |

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 740.3  
 Standard RMS (mV/m/km): Night: 777.67  
 Augmented RMS (mV/m/km):  
 Q Factor: Night:

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         | 0.7300      | 110.000        | 89.4000        | 57.500             | 0                  | 64.7          |

\* Tower Reference Switch

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Night Directional Operation:

| Twr. No. | Phase (Deg.) | Antenna Monitor Sample Current Ratio |
|----------|--------------|--------------------------------------|
| 1        | -110         | 0.88                                 |
| 2        | 0            | 1                                    |

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

| Radial (Deg. T) | Distance From Transmitter (kM) | Maximum Field Strength (mV/m) |
|-----------------|--------------------------------|-------------------------------|
| 25              | 4.31                           | 42.4                          |
| 57.5            | 3.52                           | 77.9                          |
| 90              | 4.28                           | 35.1                          |
| 127.5           | 3.97                           | 118                           |

## Special operating conditions or restrictions:

## 1 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two(2), guyed, series excited, vertical steel radiators of uniform cross-section.

Ground System consists of 120-259.08 m radials about the west tower plus 120-28.96 m radials; 120-99.06 m radials about the east tower plus 120-19.81 m radials; wires are buried 0.3 m to 0.45 m and are equally spaced about each tower, where radial wires overlap they are bonded to copper strap.

## 2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 25 True North. From the transmitter entrance gate proceed north on Landon Road 2.4 miles to NW 39th Street SE and east 1.03 mile to Leedy Road, north 0.3 mile to driveway to farm home, east 55 paces to monitoring point located in center of driveway. This is 2.68 miles from the array. The field intensity measured at this point should not exceed 42.4 mV/m.

Direction of 57.5 True North. From the 25 monitoring point proceed south 0.8 mile to NW 35th Street, east 0.75 mile to Menoken Road, south 0.5 mile to monitoring point located on west edge of paved road at point where towers line up. This is 2.19 miles from the array. The field intensity measured at this point should not exceed 77.9 mV/m

Direction of 90 True North. From the 57.5 monitoring point, proceed south 1.5 miles to NW 17th Street, east 0.76 mile to entrance to Topeka Motor Freight yard, northerly 0.3 mile to monitoring point located 20 feet NE of the NE corner of the paved freight yard area. This point is 2.66 miles from the array. The field intensity measured at this point should not exceed 35.1 mV/m.

Direction of 127.5 True North. From the 90 monitoring point, proceed southerly 0.3 mile to NW 17th Street, east 0.17 mile to US Highway 75 by-pass, south and SW 1.7 mile to Fairlawn Road, South 0.17 mile to NW 6th Street, west 0.2 mile to road to Governors Mansion; NE and north 0.37 mile to monitoring point located in the center of the driveway to Kansas Governors Mansion. This point is 2.47 miles from the array. The field intensity measured at this point should not exceed 118 mV/m.

\*\*\* END OF AUTHORIZATION \*\*\*