United States of America

FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

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

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: October 02, 2018

This license expires 3:00 a.m. local time, June 01, 2021.

Facility Id: 63169

Call Sign: WIBW

License File Number: BZ-20180712ABQ

This supersedes authorization of same date to correct operating parameters (DS-12/17/2018)

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

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: 9.9 Night: 10.25

Resistance (ohms): Day: 51 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	-107	0.74
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	10.9	17.1
127.5	5.26	93.9

Special operating conditions or restrictions:

1 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Two, guyed, series-excited, vertical steel radiators of uniform cross-section, with the SW tower carrying ASR 1033060, and used as a ND radiator daytime, and with the NE tower carrying ASR 1033061 and used with the SW tower as a two-element DA nighttime.

Ground system consists of 120, 259.1 m radials about the SW tower plus 120, 29.0 m radials; 120, 99.1 m radials about the NE tower plus 120, 19.8 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 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

3 MONITOR POINTS:

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

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

90-deg. true north: From the stop sign at the southwest corner of the intersection of NE Independence Ave. and NE Monroe St., walk 30-ft. to the southeast, and the point is on the west side of the road, in front of the house at 1947 NE Monroe St. This is 6.8 mi from the array. The field intensity measured at this point should not exceed 17.1 mV/m.

127.5-deg. true north: From the mailbox for 725 SW Westchester Road (south edge of the driveway), walk south 50-ft., then cross the street to the east. The monitor point is on the east side of SW Westchester Road (Westchester Road is the western border of Gage Park). This is 3.27 mi from the array. The field intensity measured at this point should not exceed 93.9 mV/m.

*** END OF AUTHORIZATION ***