



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

IHM LICENSES, LLC
 7136 S. YALE AVENUE
 SUITE 501
 TULSA OK 74136

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 50065

Call Sign: KOGA

License File Number: BMML-20130326BDU

Grant Date: May 20, 2013

This license expires 3:00 a.m.
 local time, June 01, 2013.

This license covers Permit No.: BMP-20120706ABK

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.	8:15 AM	5:45 PM	Jul.	5:30 AM	8:15 PM
Feb.	7:45 AM	6:15 PM	Aug.	6:00 AM	7:45 PM
Mar.	7:00 AM	7:00 PM	Sep.	6:30 AM	7:00 PM
Apr.	6:15 AM	7:30 PM	Oct.	7:00 AM	6:15 PM
May	5:30 AM	8:00 PM	Nov.	7:30 AM	5:30 PM
Jun.	5:15 AM	8:15 PM	Dec.	8:00 AM	5:15 PM

Callsign: KOGA

License No.: BMML-20130326BDU

Name of Licensee: IHM LICENSES, LLC

Station Location: OGALLALA, NE

Frequency (kHz): 930

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 08 Min 33 Sec

Longitude: W 101 Deg 42 Min 48 Sec

Night

Latitude: N 41 Deg 08 Min 33 Sec

Longitude: W 101 Deg 42 Min 48 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 2.1 Night: 0.50

Antenna Input Power (kW): Day: 2.1 Night: 0.54

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 6.48 Night: 3.28

Resistance (ohms): Day: 50 Night: 50

Non-Directional Antenna: Day

Radiator Height: 74.7 meters; 83.4 deg

Theoretical Efficiency: 301.537 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1026728	

Night:

Tower No.	ASRN	Overall Height (m)
1	1026728	
2	1026730	
3	1026729	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 206
 Standard RMS (mV/m/km): Night: 216.6
 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	0.5600	321.000	0.0000	0.000	0	83.4
2	0.9700	22.000	171.4000	98.000	0	102.1
3	0.5100	34.200	374.0000	98.000	0	85.1

* 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	-60.1	0.902
2	0	1
3	10	0.764

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 The ground system consists of 120 buried copper radials extending 80.8 meters plus 120 radials 15.2 meters interspersed between longer radials.
- 2 The licensee shall perform the measurments described in Section 73.155 at least once within each 24-month period.

*** END OF AUTHORIZATION ***