



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

Authorizing Official:

Official Mailing Address:

BLIZZARD BROADCASTING LLC  
1655 COPPER RIDGE CT.  
STEAMBOAT SPRINGS CO 80487

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 72436

Call Sign: KRAI

License File Number: BZ-19820917AA

Grant Date:

This license expires 3:00 a.m.  
local time, April 01, 2029.

This supersedes authorization of same date to add registration numbers and create fully complete version of license. (JBS 3-21-23)

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.	7:30 AM	5:00 PM	Jul.	4:45 AM	7:45 PM
Feb.	7:00 AM	5:45 PM	Aug.	5:15 AM	7:15 PM
Mar.	6:30 AM	6:15 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:45 PM	Oct.	6:15 AM	5:30 PM
May	5:00 AM	7:15 PM	Nov.	7:00 AM	5:00 PM
Jun.	4:45 AM	7:45 PM	Dec.	7:30 AM	4:45 PM

Name of Licensee: BLIZZARD BROADCASTING LLC

Station Location: CRAIG, CO

Frequency (kHz): 550

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 32 Min 45 Sec

Longitude: W 107 Deg 31 Min 52 Sec

Night

Latitude: N 40 Deg 32 Min 45 Sec

Longitude: W 107 Deg 31 Min 52 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: 0.5

Antenna Input Power (kW): Day: 5.00 Night: 0.54

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 16 Night: 3.3

Resistance (ohms): Day: 19.5 Night: 49.6

Non-Directional Antenna: Day

Radiator Height: 95.1 meters; 62.7 deg

Theoretical Efficiency: 289.68 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1025284	

Night:

Tower No.	ASRN	Overall Height (m)
1	1025284	
2	1025285	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 201.17  
 Standard RMS (mV/m/km):  
 Augmented RMS (mV/m/km): Night:  
 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	62.7
2	0.5930	165.600	276.0000	121.000	0	62.7

\* Tower Reference Switch

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

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	24.0	10.0	125.53
2	34.0	10.0	70.81
3	208.0	10.0	70.81
4	233.0	21.0	234.96
5	243.5	10.0	265.03
6	269.0	51.0	234.96
7	357.0	54.0	270.37

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	166	0.61

Antenna Monitor: POTOMAC AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

- 1 Ground system consists of 120 equally spaced, buried, copper radials, each 136.6 meters in length except where intersecting rradials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus a copper ground screen 7.3 meters square, about the base of each tower.

Special operating conditions or restrictions:

2 MONITOR POINT DESCRIPTIONS

34°- From transmitter site proceed east through gate and onto lane, then proceed north to Highway 13, then proceed east on Highway 13 for 3.94 km to gate and gravel roadway on left side of road, then left onto gravel roadway for 0.48 km to post No. 2, on right side along fence, with reading taken on roadway opposite post, 4.83 km from site, max 15.8 mV/m nighttime.

24°- From post No. 2 point noted above, proceed west on winding road for 1.05 km to Post No. 1 on right fence line, with reading taken opposite post on right of way, 4.1 km from site, max 28.2 mV/m nighttime.

208°- From intersection of Victory Way (Highway 40) and Mack Lane, proceed south on Mack Lane for 1.12 km to east-west fence line to post No. 3, reading taken opposite post to south of fence, 4.83 km from site, max 12.4 mV/m nighttime.

301°- From intersection of Victory Way (Highway 40) and County Road, proceed on Country Road for 2.74 km to intersection, then west toward Cedar Mountains for 0.04 km to gravel road (County No. 31), then proceed right onto County No. 31 for 3.06 km to gate on right side of road, then turn right into field and proceed 0.48 km to Kline Ranch. Marker post is just west of stucco house on right side of road, reading taken opposite post on roadway, 3.62 km from site, max 42.5 mV/m nighttime.

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