



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

ALPINE BROADCASTING CORPORATION
 310 S. LA FRENZ ROAD
 LIBERTY MO 64068

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 136386

Call Sign: KCTO

License File Number: BL-20100304ABX

Grant Date: June 29, 2010

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

This license covers permit no.: BP-20081217ABL

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	5:15 PM	Jul.	5:00 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	5:00 AM	7:30 PM	Nov.	7:00 AM	5:00 PM
Jun.	4:45 AM	7:45 PM	Dec.	7:30 AM	5:00 PM

Callsign: KCTO

License No.: BL-20100304ABX

Name of Licensee: ALPINE BROADCASTING CORPORATION

Station Location: CLEVELAND, MO

Frequency (kHz): 1160

Station Class: B

Antenna Coordinates:

Day

Latitude: N 38 Deg 40 Min 26 Sec

Longitude: W 94 Deg 36 Min 28 Sec

Night

Latitude: N 38 Deg 40 Min 26 Sec

Longitude: W 94 Deg 36 Min 28 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: 0.230

Antenna Input Power (kW): Day: 5.4 Night: 0.248

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.39 Night: 2.22

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	56.4
2	None	56.4
3	None	46.9
4	None	46.9

Night:

Tower No.	ASRN	
1	None	56.4
2	None	56.4
3	None	46.9
4	None	46.9

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 660.41 Night: 141.64

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 693.92 Night: 149.09

Q Factor: Day: Night:

Theoretical Parameters:

Day 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	76.4
2	0.8400	8.000	197.0000	274.000	0	76.4
3	0.9000	-147.500	75.0000	15.000	0	63.7
4	0.7500	-138.000	197.0000	295.900	0	63.7

* 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	259.0	56.0	87.28

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	76.4
2	0.8400	8.000	197.0000	274.000	0	76.4
3	0.9000	-147.500	75.0000	15.000	0	63.7
4	0.7500	-138.000	197.0000	295.900	0	63.7

* 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	259.0	56.0	18.70

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	152	0.84
2	158	0.72
3	0	1
4	10	0.83

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	152	0.84
2	158	0.72
3	0	1
4	10	0.83

Antenna Monitor: POTOMAC INSTRUMENTS AM19(204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
79.5	7.88	5.42
114.5	10.17	2.37
130	11.6	1.44
259	6.11	9.49
303	7	5.78

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
79.5	7.88	0.58
114.5	10.17	0.29
130	11.6	0.18
259	6.11	1.7
303	7	0.81

Special operating conditions or restrictions:

- 1 The permittee/licensee 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.

Special operating conditions or restrictions:

2 Ground System:

Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 65 meters in length except where terminated by property boundaries.

3 Location of Monitor Points:

Direction of 79.5° true North. The monitor point is at the mailbox of 24024 Hunter Road.

Direction of 114.5° true North. The monitor point is on Rodier Road at the Public Water Supply Sedimentation Basin.

Direction of 130° true North. The monitor point is at the curve arrow sign on the curve south of Freeman, Missouri on Freeman Road.

Direction of 259° true North. The monitor point is at the mailbox of 25645 Metcalf.

Direction of 303° true North. The monitor point is at the turn out on 231st Street just before U.S. Highway #69.

*** END OF AUTHORIZATION ***