



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

KLZ RADIO, INC.  
P.O. BOX 3003  
BLUE BELL PA 19422

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Grant Date: May 04, 2004

Facility Id: 35089

Call Sign: KLVZ

Permit File Number: BP-20040109AAT

This permit expires 3:00 a.m.  
local time, 36 months after the  
grant date specified above.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:  
Local Standard Time (Non-Advanced)

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

Callsign: KLVZ

Permit No.: BP-20040109AAT

Name of Permittee: KLZ RADIO, INC.

Station Location: BRIGHTON, CO

Frequency (kHz): 810

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 01 Min 41 Sec

Longitude: W 104 Deg 49 Min 21 Sec

Night

Latitude: N 39 Deg 50 Min 36 Sec

Longitude: W 104 Deg 57 Min 08 Sec

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

Nominal Power (kW): Day: 2.2 Night: 0.227

Antenna Mode: Day: DA Night: DA

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1024154	
2	1024155	
3	1024156	

Night:

Tower No.	ASRN	Overall Height (m)
1	None	61
2	1024251	
3	None	61

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 471.72 Night: 149.12

Standard RMS (mV/m/km): Day: 495.6 Night: 156.93

Augmented RMS (mV/m/km):

Q Factor: Day: 16.17 Night: 10

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.5250	-127.500	75.9000	220.000	0	77.0
2	1.0000	0.000	0.0000	0.000	0	77.0
3	0.5100	124.500	75.9000	40.000	0	77.0

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.6050	180.000	57.0000	330.500	0	58.0
2	1.0000	0.000	0.0000	0.000	0	132.0
3	0.6350	97.000	80.0000	227.000	0	58.0

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

## Inverse Distance Field Strength:

The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:

## Day:

Azimuth:	Radiation:
15	23.64 mV/m
65	23.64 mV/m
99.5	20.91 mV/m
340.5	20.91 mV/m

## Night:

Azimuth:	Radiation:
55	179.74 mV/m
280.5	10.58 mV/m

## Special operating conditions or restrictions:

- 1 A complete nondirectional proof of performance, in addition to a complete proof on the day and night directional antenna system, shall be submitted before program tests are authorized. The nondirectional and directional field strength measurements must be made under similar environmental conditions.
- 2 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.
- 3 Before program tests are authorized, sufficient data shall be submitted to show that adequate filters, traps and other equipment has been installed and adjusted to prevent interaction, intermodulation and/or generation of spurious radiation products which may be caused by common usage of the same antenna system by Stations KLDC and KLZ, and there shall be filed with the license application copies of a firm agreement entered into by the two (2) stations involved clearly fixing the responsibility of each with regard to the installation and maintenance of such equipment. In addition, field observations shall be made to determine whether spurious emissions exist and any objectionable problems resulting therefrom shall be eliminated. Following construction, and prior to authorization of program test under this grant, Stations KLDC and KLZ shall each measure antenna or common point resistance and submit FCC Form 302 as application notifying the return to direct measurement of power.
- 4 A license application (FCC Form 302) to cover this construction permit must be filed with the Commission pursuant to Section 73.3536 of the Rules before the permit expires.

Special operating conditions or restrictions:

- 5 Permittee will abandon the 800 kHz frequency which Kldc, Brighton, Colorado currently operates, prior to or simultaneously with the filing of FCC Form 302 application for license.

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