



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

Authorizing Official:

Official Mailing Address:

Desert Mountain Broadcasting Licenses LLC
 2075 Central Avenue
 Billings MT 59102

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Grant Date: August 16, 2022

Facility Id: 16775

Call Sign: KBOZ

Permit File Number: BP-20220408AAJ

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

Modify antenna system.

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: Daytime with Secondary nighttime

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

Jan.	8:00 AM	5:00 PM	Jul.	4:45 AM	8:15 PM
Feb.	7:30 AM	5:45 PM	Aug.	5:30 AM	7:30 PM
Mar.	6:45 AM	6:30 PM	Sep.	6:00 AM	6:45 PM
Apr.	5:45 AM	7:15 PM	Oct.	6:45 AM	5:45 PM
May	5:00 AM	7:45 PM	Nov.	7:30 AM	5:00 PM
Jun.	4:30 AM	8:15 PM	Dec.	8:00 AM	4:45 PM

Callsign: KBOZ

Permit No.: BP-20220408AAJ

Name of Permittee: Desert Mountain Broadcasting Licenses LLC

Station Location: BOZEMAN, MT

Frequency (kHz): 1090

Station Class: D

Antenna Coordinates:

Day

Latitude: N 45 Deg 36 Min 50 Sec

Longitude: W 111 Deg 05 Min 05 Sec

Night

Latitude: N 45 Deg 36 Min 50 Sec

Longitude: W 111 Deg 05 Min 05 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: 0.032

Antenna Mode: Day: ND Night: ND

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1044246	

Night:

Tower No.	ASRN	Overall Height (m)
1	1044246	

Non-Directional Antenna: Day

Radiator Height: 73.1 meters; 95.7 deg

Theoretical Efficiency: 309.5 mV/m/kw at 1km

Non-Directional Antenna: Night

Radiator Height: 73.1 meters; 95.7 deg

Theoretical Efficiency: 309.5 mV/m/kw at 1km

Special operating conditions or restrictions:

- 1 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.

- 2 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 KOBB, Fac. ID no. 55677, and KBOZ, Fac. ID no. 16775, and there shall be filed with the license application copies of a firm agreement entered into by the 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 KOBB, Fac. ID no. 55677, and KBOZ, Fac. ID no. 16775, shall each measure antenna or common point resistance and submit FCC Form 302 as necessary.

- 3 The ground system consists of 120 copper radials, 38 m in length and an additional 120 radials, 45.7 m in length around the base of each tower.

- 4 Before program tests are authorized, permittee shall dismantle the unused antenna towers, or in lieu thereof, submit a proof of performance to establish that the proposed radiation pattern is essentially omnidirectional. The proof shall include at least six approximately equally-spaced radials with sufficient close-in points that the inverse distance fields can be clearly established.

*** END OF AUTHORIZATION ***