

MODIFY BLED-19930324KB
BOARD OF REGENTS OF THE NEVADA SYSTEM
OF HIGHER EDUCATION
KNCC (FM) RADIO STATION
CH 218A - 91.5 MHZ - 0.054 KW
ELKO, NEVADA
April 2011

TECHNICAL STATEMENT

This Technical Statement was prepared on behalf of Board of Regents of the Nevada System of Higher Education ("Board"), licensee of radio station KNCC, Channel 218A, Elko, Nevada. The owner of the tower on which the KNCC antenna is installed is requiring Board to operate with less than 100 watts transmitter power output. The power of KNCC must be reduced from 0.1 kilowatt to 0.054 kilowatt in order to reduce the transmitter power output to less than 100 watts. Also, during a review of the KNCC facilities, it was discovered that the coordinates of the antenna supporting structure are at variance with the actual coordinates of the site.

The licensed coordinates are North Latitude 40° 53' **40"** and West Longitude 115° 37' **45"**. The actual coordinates when converted to NAD 27 and rounded are North Latitude 40° 53' **41"** and West Longitude 115° 37' **44"**. This is a difference of one second in latitude and one second in longitude. Since the amount of the correction is less than 3 seconds, this instant modification of station license is being submitted to correct the coordinates. A calculation of the transmitter power output of the KNCC transmitter is attached as Exhibit A.¹

1) The transmitter power output was recalculated based on the type and length of transmission line in use.

Since this instant application proposes a reduction in power, attached as Exhibit B is a map depicting the licensed and proposed 60 dBu contours of KNCC. This map demonstrates that the reduction in power will not withdraw coverage from Elko, Nevada, KNCC's community of license. No interference issues are created by the slight correction of coordinates.

As no permit was issued for the proposed KNCC changes, there are no conditions to address. However, Board states that it will reduce the power of KNCC, or cease operation as needed, to insure that persons with access to the tower will not be exposed to radio frequency radiation levels in excess of the Commission's guidelines. It is believed that KNCC, as proposed herein, is operating in compliance with the Commission's rules.