

EXHBIT E-1
TECHNICAL STATEMENT
KDNR SOUTH GREELEY, WYOMING 204A
WESTERN INSPIRATIONAL BROADCASTERS, INC.
FCC FORM 340
JANUARY 2009

This technical statement is prepared on behalf of Western Inspirational Broadcasters, Inc. proposing changes to KDNR in South Greeley, Wyoming on channel 204A to its antenna and ERP. It is proposing using a circularly polarized directional antenna array with an ERP of 1.9 kiloWatts. The Center of Radiation will be 2153 meters Above Mean Sea Level with a Height Above Average Terrain of 129 meters.

The proposed operation was evaluated for compliance with all of the Commission technical rules and regulations for reserved channel noncommercial educational FM broadcast stations.

Compliance with Section 73.509 in regards to interference to other stations was determined as follows:

Figure 1 – Community Coverage: Predicted 60 dB μ principle coverage contour for compliance with community coverage. All of South Greeley is inside the contour.

Figure 2 – Interference Study: Shows compliance with interference contours with respect to other FM stations. (The first entry, KDNR, will be replaced with this proposal.)

Figure 3 and 4 – Detailed interference study for KAIX CP Cheyenne, Wyoming 201C2 (The 100 dBu interference contour of KDNR is very close to the 60 dBu protected contour of KAIX, but worst case clears by 0.01 kilometers. Note that the middle of the contour lines never cross.)

Figure 5 – Detailed interference study for KGCQ Burns, Wyoming 205A

Figure 6 – Detailed interference study for KUWY Laramie, Wyoming 203A

Figure 7 – Detailed interference study for KAIX Cheyenne, Wyoming 201A

Figure 8 – Detailed interference study for NEW CP Estes Park, Colorado 204A

Figure 9 – Detailed interference study for KRFC Fort Collins, Colorado 205A

Figure 10 – Detailed interference study for KGCO Red Feathers, Colorado 204A

Figure 11 – Channel Spacing Study: Shows compliance with I.F spaced stations and other 73.207 spacing requirements with commercial FM stations. There are no negative margins to any commercial FM stations.

Figure 12 – Directional Antenna Data: The percent relative field voltage is 1.000 at 185 degrees and is added in the tech box on FCC form 340.

The application was determined to meet or exceed all of the technical requirements for a reserved channel noncommercial educational FM broadcast station set forth by the Commission.