

EXHIBIT 12
TECHNICAL STATEMENT
K280EQ GREELEY, COLORADO 276D
CEDAR COVE BROADCASTING, INC.
FCC FORM 349
FEBRUARY 2016

This Technical Statement is in support of a minor change application, FCC form 349, to FM translator K280EQ, facility ID 151241, being filed on behalf of Cedar Cove Broadcasting, Inc.

This is a 250-mile window application and the applicant, Cedar Cove Broadcasting, Inc., has an agreement with Greeley Broadcasting Corp., the licensee of KGRE(AM), to rebroadcast KGRE(AM) on K280EQ. Cedar Cove Broadcasting, Inc. is proposing to change sites to the KGRE(AM) tower, ASR 121061. The Effective Radiated Power will be 250 Watts and the antenna will be mounted at 94 meters Above Ground Level with a Center of Radiation at 1517 meters Above Mean Sea Level.

Figure 1 shows a channel interference study conducted from the proposed site for the proposed translator. The only pertinent records for further study are:

- 1) KARS-FM Lzaramie, Wyoming 275C1 License
- 2) KTRR Loveland, Colorado 273C2 License
- 3) KFWA Weldona, Colorado 276C3 License

Figures 2 and 3 are predicted coverage maps showing the 54 dB ϵ interference contour F(50,10) of the proposed operation and the 60 dB ϵ protected contour F(50,50) of KARS-FM Lzaramie, Wyoming on channel 275C1. (Figure 3 is a magnification of Figure 2.) As can be seen, there is no prohibited overlap between these two contours.

The proposed site is located within the protected contours of 3rd adjacent station KTRR Loveland, Colorado on channel 273C2. The predicted F(50-50) field strength of KTRR at the proposed transmitter site is 76.5 dB ϵ and the predicted interfering signal

contour F(50-10) is an additional 40 dB ϵ at 116.5 dB ϵ . The maximum distance to the 116.5 dB ϵ interference contour is 165.8 meters. Figure 4 shows an aerial view of the site with the 116.5 dB ϵ interference contour plotted in red.

Figure 5 is a table for an ERP of 250 Watts showing the vertical clearance of the interfering contour based on the antenna relative field for various depression angles below horizontal for the antenna. The minimum vertical clearance is 79.7 meters, over 260 ft, at a distance of 17.0 meters from the base of the tower. There are no structures anywhere in the area around the tower that are anywhere close to 260 ft tall. Therefore, the 3rd adjacent interference contour does not reach any population and the applicant, Cedar Cove Broadcasting, Inc., respectfully requests a waiver of C.F.R. 74.1204(d) of the Commission's rules based on the fact that there is no population within the area of predicted interference.

Figure 6 is a predicted coverage map showing the 40 dB ϵ interference contour F(50,10) of the proposed operation and the 60 dB ϵ protected contour F(50,50) of KFWA Weldona, Colorado on channel 276C3. As can be seen, there is no prohibited overlap between these two contours.

The distance between the proposed site and the previous authorized site for K280EQ is 56 miles and meets the requirements for a 250-mile window application.

The proposed operation of K280EQ on channel 276D will operate as a fill-in translator for KGRE(AM), 1450 kHz, Greeley, Colorado. Figure 7 shows that the 60 dB ϵ contour of the proposed operation of K280EQ is entirely within the KGRE(AM) 2 mV/m contour and within 25 miles of the KGRE(AM) transmitter site.

KGRE(AM) will make impedance measurements before and after the installation of the antenna for K280EQ.

It was concluded that the proposed operation of K280EQ Greeley, Colorado on 276D will not cause any harmful interference to any existing stations and will be in full

compliance with the Commission's rules. Let it be noted that should any actual real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. § 74.1203.