

David V. Atkins  
R.F. Systems Specialist  
6000 Montañó Plaza Dr. N.W. # 14G  
Albuquerque, NM 87120  
505 823-2527  
505-331-6223 Cell

---

## **ENGINEERING STATEMENT**

In support of FCC Form 349, Application for Minor Change, FM Translator K293AO at Alamosa, CO

The undersigned has been retained by Calvary Chapel of Albuquerque, licensee of FM translator station K293AO at Alamosa, CO, for the purpose of preparing the Engineering section of the accompanying FCC form 349 for a Minor Change in the licensed facilities of FM translator K293AO. This change is necessitated due to the loss of the present transmitting site currently permitted to K293AO. The applicant now has secured an alternate site to which the currently permitted facilities of K293AO can be moved to in order to service to the Alamosa area. Therefore, expedited processing of this action is requested.

### **Proposed Antenna Location / Facilities Description**

The proposed antenna site is located approx 0.93 kilometers SE of the present site stated in the K293AO construction permit. A non-directional antenna array using circular polarization will be used. A NiCom Corporation Type NT-500 transmitter will be employed as the transmitting apparatus, and a sufficient section of Andrew type LDF4-50 transmission line will be used to conduct power to the antenna.

### **Contour Protection**

An analysis of the proposed antenna site was conducted to determine lack of prohibited contour overlap with licensed facilities operating on co-channel and up to 3 channels above and below the presently licensed facility of K293AO. There are no currently licensed full power facilities whose protected contours would be affected by the Minor Change application requested here. An exhibit is attached to demonstrate lack of prohibited overlap.

### **Environmental Conditions**

The proposed Minor Change to K293AO does not pose a significant environmental impact due to The applicant certifies that, in co-operation with other user at the site, will reduce power or cease operation to allow workers access to the tower.

## Summary

The proposed Minor Change to FM Translator station K293AO is necessitated due to the loss of the currently licensed site. There is no proposed change in output frequency or City of License. The proposed facility fully meets all Commission requirements for contour overlap protection, and due to its low radiated power and use of an established communications site does not pose a significant environmental impact. Therefore, the applicant, Calvary Chapel of Albuquerque requests expedited processing of this action in order to provide service to the Alamosa, CO area. Installation is expected to commence immediately upon grant of the requested application.

Respectfully,

A handwritten signature in black ink, appearing to read "David V. Atkins", written over a large, horizontal, looping flourish.

David V. Atkins

Technical Consultant for Calvary Chapel of Albuquerque.