

Purpose of Application

The enclosed application has been prepared for the purpose of modifying the authorized transmitter facility of KZFO-FM licensed to Clovis, Ca. All work has been completed and the results are contained within this engineering statement and the associated application, FCC-301.

Proposed Facility

The station has been granted permission to increase the height of the antenna support structure. The attached application proposes to increase the FM antenna center of radiation, decrease the ERP and change the FM antenna to an eight bay half wave spaced RFR system.

The applicant is proposing to change the antenna center of radiation to 45 meters AGL & 624 meters AMSL with a HAAT of 173 meters. The ERP will be 36.85 kilowatts.

The proposed transmission facility will have unobstructed line-of-sight to the new Community of License (Clovis, CA) and will produce a predicted F(50/50) 70-dBu contour over 100% of the community.

Environmental Considerations

The transmitter facility is located at a well established telecommunications site on private land with locked gates. The site has "NO TRESPASSING" signs installed at the gate & at the equipment building. The facility is not likely to be visited by the general public. Because the station will utilize a half wave spaced antenna, there should not be any danger of exposure to high level RF radiation to maintenance personnel as a result of the proposed operation. The proposed facility will meet all ANSI requirements as set forth in FCC OST-65 as well as the current ANSI standards for controlled areas.

There is one other FM facility licensed at the site, however, the ERP is 9.9 kw and the combined operation will produce RF radiation levels well below the maximum recommended by ANSI.

The 115-dbu, **FM BLANKETING CONTOUR**, will extend to 2.39 Km and will cover the rural community of O'Neals, Ca.

There are no other FM, TV transmission facilities within 10 kilometers of the transmitter site.