

**ENGINEERING EXHIBIT
IN SUPPORT OF APPLICATION FOR CONSTRUCTION PERMIT
FM AUXILIARY ANTENNA
UNIVISION RADIO LICENSE CORPORATION
KJFA, ALBUQUERQUE, NEW MEXICO
FACILITY ID: 16750**

PURPOSE OF APPLICATION

KJFA is licensed for 3.7 Kilowatts horizontal and vertical at 128 meters HAAT on channel 267A. KJFA has a FM302 form on file (BMLH20050527BHX) to correct coordinates of the licensed main facility. Univision Radio License Corporation wishes to license an auxiliary antenna at 23 meters above ground level on the existing tower of the main at the coordinates 35 04 03.7, 106 46 46.7 NAD 27. This height will result in a HAAT of 98.8 meters. The proposed facility will operate at 3.7 Kilowatts horizontal and vertical, utilizing a four bay Phelps Dodge full wave spaced antenna. The one Milivolt contour of the proposed auxiliary will not exceed that of the main licensed facility. These predicted contours were calculated with Comstudy 2.2 in accordance with 73.313. In no case does the auxiliary exceed the contour of the main license site or the contours of the modified site in the above 302FM application. Please see the following page for a demonstration of compliance with 73.1675 a.

ENVIRONMENTAL

The FM Model Program was used to evaluate this site. Using this worst case in the model, this antenna will contribute 327.8 microwatts/centimeter² at two meters above ground level. This level occurs at 4 meters from the base of the tower, which is fully fenced and displays the appropriate warning signage of RF radiation hazards. This site is near other towers with an FM user and several LPTV users. The applicant will measure the site if required by the Commission to demonstrate compliance with exposure limits. It is expected that such measurements would prove the contribution of this facility to be less than 5% of the levels for occupational exposure level and the proposed facility is, in fact, an insignificant contributor at this level. No other alterations to the structure or site other than adding this antenna and transmission line will occur as a result of a grant of this application.

If there are any questions concerning this application, please contact the preparer at 214 5266200.

