

**ENGINEERING EXHIBIT
IN SUPPORT OF APPLICATION FOR CONSTRUCTION PERMIT
FM AUXILIARY ANTENNA
UNIVISION RADIO LICENSE CORPORATION
KQMR, INDIAN SPRINGS, NEVADA
FACILITY ID: 11614**

PURPOSE OF APPLICATION

KQMR is licensed for 31 Kilowatts horizontal and vertical at 690 meters HAAT on channel 257C0. Univision Radio License Corporation wishes to license an auxiliary antenna at 11 meters above ground level at a location on a local antenna farm known as Black Mountain. The ASR of this site is 1025339. This height will result in a HAAT of 332.8 meters. The proposed facility will operate at .6 Kilowatts horizontal and vertical utilizing a single bay Kathrein 5332-187 antenna. This is a directional type antenna, but the licensee is using the maximum gain of the antenna in all directions for the purpose of this application. The one Milivolt contour of the proposed auxiliary will not exceed that of the main licensed facility. Please see the following pages for predicted contours created with Comstudy 2.2 and a demonstration of compliance with 73.1675 a.

ENVIRONMENTAL

This site is for occasional emergency use only. The proposed antenna does not have a suitable EPA profile for use of the FM Model Program. Using the worst case in the model, this antenna will contribute 296 microwatts/centimeter² at two meters above ground level. This level occurs at 3 meters from the base of the tower, which is fully fenced and displays the appropriate warning signage of RF radiation hazards. This is a multiple user, restricted access site on a remote mountaintop. 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 the telephone number given in section III, preparer's certification.



