

Comprehensive Engineering Exhibit
KMYI(FM) 231B Facility ID No. 58821

Citicasters Licenses, L.P. seeks to modify KMYI(FM) to share the same antenna as 3 other stations, KMYI(FM), KSCF, and KYXY. The supporting tower is described by Antenna Structure Registration (ASR) Number: 1015930. The proposed location is at a height of 50 meters above ground level. This new tower is located approximately 40 meters horizontal distance from the presently authorized facility.

For consistency, the proposed height above average terrain (HAAT) is the same as that calculated in granted construction permits of KSCF and KYXY, BPH-20060619AAP and BPH-20060616ABQ which utilize the antenna in this application.

KMYI (FM) is presently authorized to operate with a maximum effective radiated power of 100 kilowatts at an antenna height of 188 meters above average terrain. As this antenna location will provide a HAAT of 210 meters, 73.211(c) compliance requires a reduction in power from 100 kW to 77 kW to prevent the extension of the 1 mV/m contour after consideration of the height increase and location change. Figure 1 below demonstrates no extension of contour.

From the proposed location KMYI(FM) will be fully spaced, Section 73.207, to all stations, applications and allotments, with the exception of a restricted allotment for second adjacent channel 233A at Tijuana, Baja California, Mexico which is restricted to 1.0 kW at 79.5 meter HAAT. Equivalent protection is demonstrated in the attached Figure 2.

The Proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed KMYI(FM) antenna system is a 10- bay, half-wave spaced, ERI "Rototiller" antenna, mounted with its center of radiation 50 meters above ground level, with an effective radiated power of 77 Kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 482 meters from the base of the tower, this proposal will contribute worst case 9.28 microwatts per square centimeter, or 0.928 percent of the allowable ANSI limit for controlled exposure, and 4.6 percent of the allowable limit for uncontrolled exposure. This figure is less than 5% of the applicable FCC exposure limit at all locations extending out from the base of the tower. Section 1.1307(b)(3) of the rules excludes applications when the calculated level is predicted to be less than 5% of the applicable exposure limit. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the

facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.

Figure 1



