Mueller Broadcast Design
613 S. La Grange Road
La Grange, Illinois 60525
(708) 352-2166

Engineering Statement

This exhibit was prepared in support of a minor change application moving the authorized daytime operation at KCAL (AM), Redlands, California (Facility ID 55416) to the existing licensed KCAL nighttime site. It is proposed to operate during daytime hours at a power of 2,000 watts, using the licensed nighttime directional antenna pattern without modification except for the power level. No construction or physical change to the night site is required.

Contour Overlap Reduction

The currently licensed KCAL daytime facility receives a 0.25 mV/m to 0.5 mV/m contour overlap from Mexican first-adjacent channel station XEXX, Tijuana, BN (FCC Facility ID 103418). Both the 2 KW and 10 KW XEXX nondirectional antenna facility records are shown on the attached allocation study and the received contour overlap from XEXX to KCAL is reduced in both cases.

No Change in Licensed Nighttime Operation

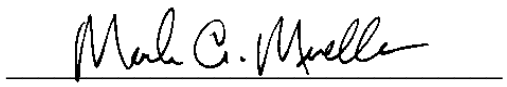
The daytime facility will use the licensed nighttime pattern at 2 KW while the nighttime facility will remain at 4 KW. The night site was licensed in 1988, so to provide a complete record with both day and night patterns, the nighttime pattern information is included here as well.

EMR Exposure Hazard Statement

The towers are fenced with locked gates, with the fences set to the distances required by the maximum input power at any tower. The station will reduce power or cease transmission if workers need to remain inside the fences for extended periods of time.

This engineering exhibit was prepared by me and is true and correct to the best of my knowledge and belief.

February 16, 2024



Mark A. Mueller