

Engineering Statement in Support of Special Temporary Authority Request

KQMC's Licensed facility is located at geographical coordinates 38 27 28 / 118 45 52 and operates with .480 kW ERP (Vertical only, non-directional) at 3144 meters COR AMSL, on Channel 211 C2.

Special Temporary Authority (STA) is requested to operate KQMC at its studio location, 466 G Street, Hawthorne, Nevada, geographical coordinates 38 31 26 / 118 37 21, on the existing 11 meter AGL tower currently utilized for KQMC's STL. A Nicom BKG1/P Vertical antenna will be utilized, mounted at the top of the existing tower at 11 meters AGL. The ground elevation of the location is 1320 meters, resulting in a COR AMSL of 1331 meters and a HAAT of -262 meters.

With a TPO of 250 watts, KQMC will operate with 230 watts ERP. This will allow for 1 mV/m contour coverage of Hawthorne, KQMC's city of license, and will not exceed KQMC's licensed 1 mV/m contour, as is demonstrated on the below map.

