TECHNICAL SUMMARY
SECOND FILING WINDOW
APPLICATION FOR MODIFCATION OF CONSTRUCTION PERMIT
TV STATION KMIR-TV
PALM SPRINGS, CALIFORNIA
CHANNEL 26 1000 KW (DA) 212.5 m

1. The instant application is a second filing window application for KMIR-TV on channel 26 at Palm Springs, California. It is proposed to change the directional antenna system and increase the ERP from 80.5 kW to 1000 kW. No other changes are proposed. There will also be no change in the overall structure height of the existing tower.

2. As demonstrated in the *TVStudy* analysis exhibit, the proposal complies with the FCC's interference protection requirements based on a cell size of 1.0 km and profile resolution of 1.0 points/km.

3. RFR Compliance: The proposed facilities were evaluated in terms of potential radiofrequency radiation (RFR) exposure at ground level to workers and the general public. The radiation center for the proposed DTV antenna will be located 39.9 meters above ground level. The total DTV ERP is 1300 kW (1000 kW-horizontal, 300 kW-vertical). A conservative vertical plane relative field value of 0.06 is presumed for the antenna's downward radiation (for angles below 60 degrees downward, see attached antenna information). The calculated power density at a point 2 meters above ground level is 108.8 uW/cm^2 which is 30% of the FCC's recommended limit of 363.3 uW/cm^2 for channel 26 for an uncontrolled environment and 6% of the recommended limit of 1816.7 uW/cm^2 for a controlled environment. However, due to the large number of other broadcast emitters in the area, RF measurements will be taken to ensure that the level is within recommended limits.

Access to the transmitting site is restricted and appropriately markets with RFR warning signs. Also, as this is a multi-user site, a protocol will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measure will be taken to assure worker safety with respect to RFR exposure. Such measures include limiting the exposure time, wearing protective clothing, reducing power to an acceptable level or termination of transmitter output power all together until workers leave the restricted area.