

TECHNICAL SUMMARY
SECOND WINDOW
APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT
CLASS A STATION KUVN-CD
FORT WORTH, TEXAS
CHANNEL 11 2.0 KW (ND)

1. The instant application is a second filing window application for KUVN-CD at Fort Worth, Texas. It is proposed to change from the assigned/authorized UHF channel 22 to VHF channel 11, change transmitter site and modify facilities. Specifically, it is proposed to operate on channel 11 from an existing tower (ASRN 1053406) with a nondirectional antenna maximum ERP of 2.0 kW and an RCAMSL of 511.1 meters. There will be no change in the overall structure height of the existing tower.

2. As indicated in the attached *TVStudy* analysis, the proposal complies with the FCC's interference requirements based a cell size of 1.0 km and a 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 320 meters above ground level. The total DTV ERP is 2.0 (horizontal). A worst case vertical plane relative field value of 1.0 is presumed for the antenna's downward radiation. The calculated power density at a point 2 meters above ground level is 0.66 uW/cm^2 which is 0.33% of the FCC's recommended limit of 200 uW/cm^2 for channel 11 for an uncontrolled environment. Therefore, based on the responsibility threshold of 5%, the proposal will comply with the RF emission rules.

Access to the transmitting site is restricted and appropriately markets with RFR warning signs. Furthermore, as this is a multi-user site, a formal RFR protection protocol is 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.