

Environmental Considerations

Application for Construction Permit
Displacement
Ramon Hernandez
WVDO-LD
DTV Channel 4
Carolina, Puerto Rico

As result of the broadcast television repacking process WVDO-LD Ch.22 is displaced by the assignment of WSJN-CD to Ch. 22 to the same geographic area. With this application WVDO-LD is requesting displacement to TV Channel 4. The proposed channel 4 operation of WVDO-LD was evaluated for potential radio frequency exposure to workers and general public Based on a radiation center at 58 meters above ground, a maximum relative antenna field of 0.18 between 50 and 90 degrees from horizontal and a total ERP of 3.0kW, the calculated RF exposure at two meters above ground will not exceed $0.6077\mu\text{w}/\text{cm}^2$ or 0.304% of the $200\mu\text{w}/\text{cm}^2$ general population uncontrolled limit applicable to DTV channel 4.

The transmitter site is restricted from access.

The tower is not located in flood plain, a wilderness area or in a wildlife preserve that might affect threatened and endangered species or their habitat, it is not located in an Indian religious and/or cultural site. No significant changes in surface features will take place.

In the event that workers are required to climb the tower the WVDO-LD site emission shall be reduced or terminated as necessary to prevent RF radiation exposure above the FCC limits.

As described above the proposed modifications will not have a significant environmental effect.

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