

Environmental Considerations

Application for Construction Permit
Puerto Rico Public Broadcasting Corporation
WIPR-DT
Channel 26
San Juan, Puerto Rico

The proposed WIPR-DT antenna will remain at the present tower, same radiation center above ground and will operate at an ERP of 561 kW in accordance with the post auction table of allotments. The proposed modification was evaluated for potential radio frequency exposure to workers and general public. Based on a radiation center at 222 meters above ground, a relative antenna field factor of 0.070 at 60 degrees depression from horizontal and a total ERP of 561kw, the calculated RF exposure at two meters above ground will not exceed 1.423 $\mu\text{w}/\text{cm}^2$ or 0.3917% of the 363.33 $\mu\text{w}/\text{cm}^2$ general population uncontrolled limit applicable to DTV channel 26.

The transmitter site is restricted from access.

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

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.

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

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