

Environmental Considerations

Application for Displacement Construction Permit
JB Media Group
WXWZ-LD
DTV Channel 36
Guayama, Puerto Rico

The proposed WXWZ-LD antenna will remain at the present tower, same radiation center above ground and will operate at an ERP of 15kW Horizontal 4.5kW vertical. The proposed modification was evaluated for potential radio frequency exposure to workers and general public. Based on a radiation center at 18.3 meters above ground, a maximum relative antenna field of 0.175 between 50 and 90 degrees from horizontal and a total ERP of 19.5kW, the calculated RF exposure at two meters above ground will not exceed $51.6 \mu\text{w}/\text{cm}^2$ or 12.79% of the $403.33 \mu\text{w}/\text{cm}^2$ general population uncontrolled limit applicable to DTV channel 36.

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 WXWZ-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.

Alejandro Luciano PE
Consulting Engineer
PO Box 194528
San Juan, Puerto Rico 00919-4528
(787)717-6984