

Environmental Considerations

Application for Construction Permit
Puerto Rico Public Broadcasting Corporation
WIPM-DT
Channel 32
Mayagüez, Puerto Rico

The proposed WIPM-TV antenna will remain at the present tower, same radiation center above ground and will operate on channel 32 at an ERP of 583 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 99 meters above ground, a relative antenna field factor of 0.077 at 60 degrees depression from horizontal and a total ERP of 583 kw, the calculated RF exposure at two meters above ground will not exceed $7.61 \mu\text{w}/\text{cm}^2$ or 1.965% of the $387.33 \mu\text{w}/\text{cm}^2$ general population uncontrolled limit applicable to DTV channel 32.

The transmitter site is restricted from access.

In the event that workers are required to climb the tower the WIPM-TV 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, in an Indian religious and/or cultural site, no significant changes in surface features will take place.

It is believed that the proposed minor change modifications as described above will not have a significant environmental effect.

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