

Environmental Considerations

Minor Change Application
Puerto Rico Public Broadcasting Corporation.
WIPM-TV
Channel 32
Mayaguez, Puerto Rico

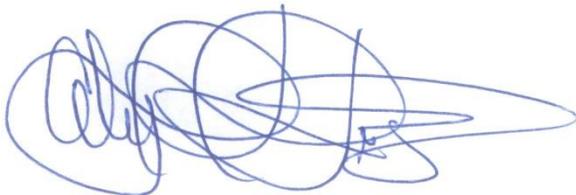
The undersigned evaluated the proposed WIPM-TV minor change for potential radiofrequency exposure to workers and the general public. Based on a radiation center at 99 meters above ground, a relative antenna field factor of 0.104 at 58 degrees depression from horizontal, and a total ERP of 758 kW, the calculated RF exposure at two meters above ground will not exceed $20.94 \mu\text{w}/\text{cm}^2$ or 5.41% of the $387.33 \mu\text{w}/\text{cm}^2$ general population uncontrolled limit applicable to DTV channel 32.

The site is at a remote location, and access is restricted.

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

If workers are required to climb the tower, the WUJA-DT 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
09/08/2022