

Environmental Considerations

Minor Change to Construction Permit
La Cadena del Milagro Inc.
WVSN-DT
Channel 23
Humacao, Puerto Rico

The proposed WVSN-DT antenna will remain at the present tower, same radiation center above ground and will operate with an elliptically polarized antenna at an ERP of 50 kW horizontal, 15 kW vertical. The proposed modification was evaluated for potential radio frequency exposure to workers and general public.

Based on a radiation center at 64 meters above ground, a relative antenna field factor of 0.167 at 77 degrees depression from horizontal and a total ERP of 65kW, the calculated RF exposure at two meters above ground will not exceed $15 \mu\text{w}/\text{cm}^2$ or 4.25% of the $351.33 \mu\text{w}/\text{cm}^2$ general population uncontrolled limit applicable to DTV channel 23.

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 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.

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