

WWDG Deruyter, NY
Channel 286B
Facility ID No: 22134
Engineering Exhibit

By this application for minor change WWDG seeks only a change in antenna height and model, with a corresponding adjustment in effective radiated power. No change in antenna location is sought.

WWDG presently operates from an antenna located 34 meters above ground (AGL) with full class B non-directional facilities at a height above average terrain (HAAT) of 165 meters with power reduced to 42 kilowatts to maintain proper distance to contour. This proposal is for a location 20 meters higher - 54 meters AGL, 185 meters HAAT with a power of 33 kilowatts as determined by the Commissions "FM Power" online facility. At this power and height WWDG will continue as a full class B facility. The antenna support structure does not require registration.

The present and proposed WWDG facility is fully spaced 73.207 to all allocations, authorizations, and stations with the exception of:

WILQ, Co-Channel. 286B. This proposal does not materially change the existing contour overlap which is "Grandfathered" Section 73.213(a).

WNGZ, First adjacent 285A. This proposal does not affect the existing 73.213(c) short spacing.

WBBS, Second adjacent 284B. This proposal does not affect the existing 73.213(a) spacing.

WGKR First adjacent 287A. This proposal does not affect the existing 73.215 short spacing. As no change in location of WWDG is taking place, WGKR will continue to be 73.215 spaced to WWDG.

WMRV, Third adjacent 289 B. This proposal does not affect the existing 73.213(a) spacing.

The Proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

The proposed antenna system is an EPA type 3, 7- bay, HALF wave spaced, "Roto- tiller" antenna, mounted with its center of radiation 54 meters above ground level, and will operate with an effective radiated power of 33 Kilowatts in both the horizontal and

vertical planes. At 2 meters above ground, at 364 meters from the base of the tower, this proposal will contribute worst case, 6.81 microwatts per square centimeter, or 0.68 percent of the allowable ANSI limit for controlled exposure, and 3.40 percent of the allowable limit for uncontrolled exposure. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.