WLFG - MINOR CHANGE OF LICENSE - CURRENT CHANNEL 49 FACILITY
PLACE HOLDER APPLICATION - FOR CONVERSION TO DTS ONCE GRANTED

Digital Television Station WLFG-DT Channel 49 - Grundy, VA
No changes are proposed - Environmental statement provided from previous application

ENVIRONMENTAL CONSIDERATIONS

The facility was evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields."

Power density contribution from the proposed operation was computed using the appropriate equations of the OST Bulletin. The maximum radiated power is 1000 kilowatts on digital Television Channel 49. Using a "worst-case" relative field pattern of 0.2 for values all values 10 degrees and greater below the horizon, the power density was computed at a level of 2 meters above ground to be 0.2226 mW/cm2 or 10.23 % of the recommended limit of 2.277 mW/cm2 for a controlled area at the base of the tower and 51.1% of the recommended limit of 0.4553 mW/cm2 for an uncontrolled area.

The minimum distance from the antenna was computed to be 17.7 meters for a controlled environment. As the minimum distance is more than 31 meters above ground level, no exposure in excess of the guidelines to workers is predicted to occur from this proposal at ground level.

The permittee/licensee/applicant will coordinate with other users of the site and will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of the FCC guidelines.

Suitable warning signs and a fence or other devices will be placed at the base of the tower to prevent unauthorized access. If work is required on the tower, the power to the antenna will be terminated or reduced as required. The applicant will fully comply with the provisions contained within the OET bulletin.

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