

WLFB Environmental Statement
Channel 25, Bluefield, West Virginia

OCTOBER 2017

No new construction will occur at the site other than the replacement of one side-mounted antenna type with another on an existing structure (the physical size of the antennas are as close to identical as practical). The proposed construction does not trigger any event with regards to Section 106 of the National Historical Preservation Act (NHPA).

The proposal does not meet any of the criteria specified in Section 1.1307 of the FCC Rules. More specifically, the proposed facilities are not known to fall within any of the categories enumerated in Sections 1.1307(a)(1)-(7) and will not involve the use of high intensity white lights.

Furthermore, operation of the proposed facility will not involve the exposure of workers or the general public to levels of radio frequency electromagnetic fields exceeding guidelines adopted by the Federal Communications Commission. (The current FCC guidelines are based upon criteria contained in the National Council of Radiation Protection and Measurements (NCRP) Report No.86 (1986) and ANSI/IEEE C95.1-1992.)

Based upon the antenna manufacturers data, and a downward relative field value from the antenna of 0.15 for all angles 10 degrees and greater below the horizon, the calculated power density level 2-meters above ground near the base of the tower is predicted to be 0.204 mW/cm² or less. The computed power density is 11.35% of the Commission's guidelines for a worker/controlled area and 56.77% for a public/uncontrolled area.

The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. RF exposure warning signs are posted at the site. The applicant will coordinate exposure procedures with any co-located facilities and will reduce power or cease operation as necessary to protect persons having access to the site, tower, or antenna from RF electromagnetic field exposure in excess of FCC guidelines.

The proposed operation is fully in compliance with all areas of the Commission's rules and applicable international agreements.

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