

RF HAZARD STATEMENT
APPLICATION FOR CONSTRUCTION PERMIT

FREE LIFE MINISTRIES, INC.

WHFL-CD
Facility ID: 22485

DTV REASSIGNMENT CHANNEL 07 (174-180 MHZ)
MAXIMUM ERP: 3.0 KW NONDIRECTIONAL (OMNI)
H&V POLARIZATION

RC ANTENNA HEIGHTS; 155.4 M AMSL 122.2 M HAAT 134.1 M AGL
TV ZONE II

October 2017

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 combined H&V power of 6-kilowatts (3-kilowatts each polarization) and a downward relative field value from the antenna of 0.5 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 0.002871 mW/cm² or less.

The computed power density is 0.29% of the Commission's guidelines for a worker/controlled area and 1.44% for a public/uncontrolled area. As these levels are far below the guidelines, no further study is required.

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.

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