



10/31/2019

WPBI-LD Lafayette, IN - Facility ID: 184193
Minor Modification of Construction Permit BLANK-0000052788

47 C.F.R. Section 1.1306

A Commission grant of Authorization for this location would not be an action which may have a significant environmental effect. As discussed below, the subject station's predicted power density contribution at the multiple-use site is not considered significant and does not require consideration.

As shown on the vertical elevation pattern submitted elsewhere in this application, the relative field of the proposed antenna does not exceed a value of 0.132 at any downward direction greater than 8 degrees below the horizontal. Therefore, considering this worst-case downward relative field, the subject station is predicted to produce a maximum power density of only 7.58 microwatts per square centimeter toward a distance which is 49.1 meters from the tower base. This represents only 2.32% of the FCC Guideline value of 327.33 microwatts per square centimeter for uncontrolled RFR environments. Pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would not exceed 5% of the uncontrolled and controlled exposure limit, the proposal's power density contribution is insignificant.

Further, the Applicant will continue to cooperate/coordinate with other site users and reduce power and/or cease operation during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel. In light of the above, the proposed facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.

47 C.F.R. Sections 47 C.F.R. Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h).

This application complies with section 74.709 of the rules concerning land mobile protection requirements. An Interference Study done by the FCC's TVStudy software with the WPBI-LD facility using a Stringent out-of-channel emission mask shows this proposal meets the requirements of section 74.793 of the rules.

Directional Antenna Information

This application proposes to change the directional antenna make, model and pattern for WPBI-LD. The proposed antenna is an SWR model SWEDL12MC/17-CP. The antenna information showing the pattern is included as an exhibit to this application.

Coverage Map

A coverage map is attached to show the proposed facility.


Carl E. Gluck, CPBE

