

**MYL, LLC**  
**Environmental Assessment**  
**Laredo, Texas**  
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The proposed antenna construction does not require any action covered by FCC R&R 1.1307(a).

The proposed facility will not be located in an officially designated wilderness area, nor will it be located in an officially designated wildlife preserve.

The proposed facility will not affect listed threatened or endangered species or designated critical habitats; nor is it likely to jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats, as determined by the Secretary of the Interior pursuant to the Endangered Species Act of 1973.

The proposed facility will not affect districts, sites, buildings, structures or objects, significant in American history, architecture, archeology, engineering or culture, that are listed, or are eligible for listing, in the National Register of Historic Places. (See 16 USC 470w(5); 36 CFR Parts 60 and 800.)

The proposed facility will not:

- (1) Affect Indian religious sites;
- (2) Be located in a flood plain;
- (3) Involve significant change in surface features (e.g., wetland fill, deforestation or water diversion);
- (4) be equipped with high intensity white lights which are to be located in residential neighborhoods.

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The following environmental assessment has been prepared as required by FCC R&R 1.1307(b).

The applicant proposes facilities of 3.5 kilowatts effective radiated power with an antenna center of radiation 122 meters above ground.

The proposed antenna system is a horizontally polarized PSI model PSILPD120I. The antenna radiation center is 122.0 meters AGL.

Assuming: (a) a maximum ERP of 3.5 kilowatts; (b) a relative field of less than 0.2 in the critical downward angles; and (c) a distance of at least 116 meters from the lowest antenna element to 2 meters above ground level, the maximum power density is calculated as follows:

$$S = 33.4 (F) (F) (ERP) / [(R) (R)]$$

Where, S equals power density in  $\mu\text{W}/\text{cm}^2$

F equals the relative field factor

ERP equals the effective radiate power in watts

R equals the distance in meters

$$= 33.4 (0.2) (0.2) (3,500) / [(116) (116)]$$

$$= 0.347 \mu\text{W}/\text{cm}^2$$

The maximum power density is calculated to be  $0.347 \mu\text{W}/\text{cm}^2$ . This value is .1% of the Public Exposure MPE of 315.3 microwatts per centimeter squared for UHF. Based on this analysis it is believed that the proposed facility is in compliance with OET-65 Guidelines.

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The permittee/licensee 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 FCC guidelines.

*The foregoing was prepared on behalf of MYL, LLC. by Charles Burkhardt of Sterling Communications, Inc. LaFayette, Georgia, in good standing with the Federal Communications Commission. The statements herein are true and correct to the best of my knowledge.*



Charles Burkhardt  
Sterling Communications, Inc.  
LaFayette, Georgia  
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