

**DELAWDER COMMUNICATIONS, INC.**

2121 Eisenhower Avenue, Suite 200

Alexandria, Virginia 22314

(703) 299-9222

**ENGINEERING REPORT**

---

KYLP-LP, Greenville, TV LPFM

**EXHIBIT 10 - ENVIRONMENTAL STATEMENT**

This proposal does not involve a site location specified under Section 1.1307(a) through (a)(8) of the FCC Rules.

The proposed FM facility specifies a maximum ERP of 100 watts. Assuming: (a) a maximum ERP of 100 watts and circular polarization (for 200 watts total); (b) a relative field of less than 0.3 in the critical downward angles; and (c) a distance of 30 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 uW/cm<sup>2</sup>  
F equals the relative field factor  
ERP equals the effective radiate power in watts  
R equals the distance in meters

$$= 33.4 (0.3)(0.3)(200) / [(30)(30)]$$

$$= 0.7 \text{ uW/cm}^2$$

0.7 uW/cm<sup>2</sup> is less than 1% of the uncontrolled power density limit (200 uW/cm<sup>2</sup> for FM); therefore, this proposal is in compliance with the electromagnetic exposure requirements of the FCC Rules. No environmental assessment is required.

If this is a structure that may support various other operations, the applicant will cooperate with the other operators in establishing a plan for work done on the structure in close proximity to the existing antenna.