

**DELAWDER COMMUNICATIONS, INC.**

2121 Eisenhower Avenue, Suite 200

Alexandria, Virginia 22314

(703) 299-9222

**ENGINEERING REPORT**

---

Hispanic Christian Community Network, Inc.

K02QH, Gainesville, TX: Site Move Minor Amendment (ch 2-)

**EXHIBIT 9 - ENVIRONMENTAL STATEMENT**

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

All analog and digital LPTVs at this location combine to produce an ERP that is less than 1 kilowatt. Assuming: (a) a maximum ERP of 1 kilowatt and circular polarization (2.3 kW with aural carrier); (b) a relative field of less than 0.2 in the critical downward angles; and (c) a distance of at least 10 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

$$= 33.4 (0.2)(0.2)(2,300) / [(10)(10)]$$

$$= 30.7 \text{ uW/cm}^2 \text{ (combined worst-case for all LPTVs at this site)}$$

30.7 uW/ cm<sup>2</sup> represents less than the uncontrolled power density limit (200 uW/cm<sup>2</sup> for VHF; 315.3 uW/cm<sup>2</sup> for channel 14—channel 14 being the worst-case UHF channel). The electromagnetic radiation from this proposed operation will not produce a value in excess of the radiation standard. The electromagnetic radiation from the proposed operation will not combine with other facilities on or near the structure to produce a significant change in value.

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.