

DELAWDER COMMUNICATIONS, INC.

P.O. Box 1095
Ashburn, Virginia 20146-1095
(703) 299-9222

ENGINEERING REPORT

Roger Mills
K66GD, Vidor (to Beaumont), TX: Digital Minor Displacement Application

EXHIBIT 12 - ENVIRONMENTAL STATEMENT

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

All digital LPTVs of the Applicant at this location combine to produce an ERP that is less than 1 kilowatt. Assuming: (a) a maximum ERP of 1 kilowatt; (b) a relative field of less than 0.3 in the critical downward angles; and (c) a distance of at least 100 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/cm²
F equals the relative field factor
ERP equals the effective radiate power in watts
R equals the distance in meters

$$= 33.4 (0.3)(0.3)(1,000) / [(100)(100)]$$

$$= 0.3 \text{ uW/cm}^2 \text{ (combined worst-case for all Applicant's LPTVs)}$$

0.3 uW/cm² represents less than the uncontrolled power density limit (200 uW/cm² for channel 6). 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.