DELAWDER COMMUNICATIONS, INC.
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ENGINEERING REPORT

K295BF, Greenville, TX FM Translator

EXHIBIT 16 - 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 station produces an ERP of 0.25 kilowatts. Assuming: (a) a maximum ERP of 0.25 kilowatts and circular polarization (for 0.5 kWs total); (b) a "worst-case") relative field of 1.0 in the critical downward angles; and (c) a distance of 45 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^2
F equals the relative field factor
ERP equals the effective radiate power in watts
R equals the distance in meters

= 33.4 (1.0)(1.0)(500) / [(45)(45)]

= 8.2 uW/cm^2

8.2 uW/cm^2 is less than 5% of the uncontrolled power density limit (200 uW/cm^2 for FM). 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.