

DELAWDER COMMUNICATIONS, INC.

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ENGINEERING REPORT

Catholic Views Broadcasts, Inc.
K19ER, St. Paul, MN, Minor Modification Application

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.

Assuming: (a) a maximum ERP of 7.89 kilowatts and circular polarization (for approximately 20 kW total with aural carrier); (b) a relative field of less than 0.1 in the critical downward angles; and (c) a distance of at least 5 meters from the lowest antenna element to any person located on the top floor on the building below the antenna, the maximum power density (to a person standing on the top floor of the building supporting the antenna) 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

$$= 33.4 (0.1)(0.1)(20,000) / [(5)(5)]$$

$$= 267.2 \text{ uW/cm}^2$$

267.2 uW/cm² represents less than the uncontrolled power density limit (335.3 uW/cm²). The electromagnetic radiation from this proposed operation is not predicted to produce a value in excess of the radiation standard to any person located within the building that supports the antenna, or to any person at ground level. 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. Warning signs and other precautions will be taken to protect personnel working on or near the antenna in the controlled environment.