

**DELAWDER COMMUNICATIONS, INC.**

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**ENGINEERING REPORT**

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**Loleta, CA, FM Channel 254C1**

**EXHIBIT 32 - ENVIRONMENTAL STATEMENT**

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

This FM station proposal specifies a maximum ERP that is less than or equal to 100 kilowatts (peak). Assuming: (a) a maximum ERP of 100 kilowatts and circular polarization (for 200 kW total); (b) a relative field of 0.1 maximum for pertinent downward vertical angles; and (c) a distance of at least 35 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

$$= 33.4 (0.1)(0.1)(200,000) / [(35)(35)]$$
$$= 54.5 \text{ uW/cm}^2$$

54.5 uW/cm<sup>2</sup> represents less than the uncontrolled power density limit (200 uW/cm<sup>2</sup> for FM). 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.