

**DELAWDER COMMUNICATIONS, INC.**

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**ENGINEERING REPORT**

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**KMLS, Miles, TX, 238C3 FM Minor Modification**

**EXHIBIT 35 - 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 an ERP that is less than or equal to 8 kilowatts (peak). A SWR FM1 six-bay full-wave spaced antenna is proposed. Assuming: (a) a maximum ERP of 8 kilowatts and circular polarization (for a total ERP of 16 kW); (b) a relative field of less than 0.2 in the critical downward angles; and (c) a distance of 38 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

$$= 33.4 (0.2)(0.2)(16,000) / [(38)(38)]$$

$$= 14.8 \text{ uW/cm}^2$$

14.8 uW/cm<sup>2</sup> represents less than 10% of 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.