

DELAWDER COMMUNICATIONS, INC.

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ENGINEERING REPORT

K61GH, National City, CA, Digital Companion Channel 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 analog and digital LPTVs at this location combine to produce an ERP that is less than 4 kilowatts. Assuming: (a) a maximum ERP of 4 kilowatts and circular polarization (for 10 kW total with aural carrier for analog); (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/cm²
F equals the relative field factor
ERP equals the effective radiate power in watts
R equals the distance in meters

$$= 33.4 (0.2)(0.2)(10,000) / [(38)(38)]$$

$$= 9.3 \text{ uW/cm}^2 \text{ (combined worst-case for all LPTVs at this site)}$$

9.3 uW/cm² is less than the uncontrolled power density limit (315.3 uW/cm² for channel 14, the lowest UHF channel; and 200 uW/cm² for VHF). 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.