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ENGINEERING REPORT

Telecom Supply, Inc.
KETX-LP, Livingston, TX: Digital Minor Displacement 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 digital LPTVs of the Applicant at this location combine to produce an ERP that is less than or equal to 15 kilowatts. Assuming: (a) a maximum ERP of 30 kilowatts (twice 15 kW, assuming possible use of circular polarization); (b) a relative field of less than 0.3 in the critical downward angles; and (c) a distance of at least 150 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 (0.3)(0.3)(30,000) / [(150)(150)]

= 4.0 uW/cm^2 (<u>combined</u> worst-case for all Applicant's LPTVs)

4.0 uW/cm^2 represents less than the uncontrolled power density limit (315.3 uW/cm^2 for UHF; 200 uW/cm^2 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.