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ENGINEERING REPORT

Steamboat Springs, CO, Channel 289A FM Minor Mod Application

EXHIBIT 35 - ENVIRONMENTAL STATEMENT

The proposed antenna is being side-mounted at an existing communications tower. Therefore, pursuant to 47 CFR Section 1.1306, Note 1, this proposal is categorically excluded from the provisions of 47 CFR Section 1.1307(a). (47 CFR Section 1.1307(a)(4) is not applicable to this proposal.)

This FM station proposal specifies an ERP that is less than or equal to 0.21 kilowatts (peak). Assuming: (a) a maximum ERP of 0.21 kilowatts and circular polarization (for a total ERP of 0.42 kW); (b) a relative field of 1.0 in the critical downward angles; and (c) a distance of at least 9 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 (1.0)(1.0)(420) / [(9)(9)]

= 173.2 uW/cm^2

173.2 uW/cm^2 represents less than the uncontrolled power density limit (200 uW/cm^2 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.

This is a mountaintop structure that supports various other operations. As an existing communications facility, this remote site has restricted availability to the public and warning signs of the RFR Hazard potential are posted at the site. 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.