

MINOR CHANGE IN LICENSED FACILITY
K17EV-D, FI 64462
TV RECEPTION IMPROVEMENT DISTRICT
OMAK, OKANOGAN, ETC., WA

The within application is filed as part of an equipment replacement/upgrade at the transmitter site of the within named facility. The tower supporting this facility and several others was recently damaged and thus is being replaced and the affected translator stations are modified by use of a broadband Kathrein antenna array mounted with its principal radial at 210° and fed so as to craft a skewed 30° offset pattern with reduced rear radiation. Interference study using TV Study program revealed no unacceptable interference to any existing license or permit.

Environmental review notes that the replacement tower is 16.0m tall with the array C/R at 15.0m AGL and 1765m AMSL. Tower study of the new facility shows it in compliance with that study in that no airport is within 8 km of the proposed tower site. Additionally, it is on the Omak Mountain tower farm on which several other, taller towers reside. Finally NIER at head height 2.0m AGL is less than 5% of that permissible per OET Bulletin 65. Signage at the site outlines the NIER aspect of all site occupants. Applicant and others at the site agree to periodically adjust power upon request so as to avoid potential hazard to working employees or contractors allowed access to the site.

Geographic changes in location coordinates of this and the other four related licensees at the new tower site involve lateral moves of each within a few meters; all will, thanks to the shared antenna array, be now mounted at 1765m AMSL.

J. R. McDonald
July 13, 2021