

EXPLANATION OF APPLICATION
K22EY-D, FAIRBANKS, ALASKA
CHANNEL 22

The purpose of the instant application is to increase the maximum effective radiated power (ERP) for the K22EY-D facility from its currently licensed level of 3.8 kW to 15.0 kW.

A new transmitter will be installed to accommodate the increase in transmitter power output from 160 watts to an estimated 630 watts. It has been determined that a 'Simple' emission mask will meet the interference requirements. Therefore, a 'Simple' emission mask is now specified for the proposed facility in conjunction with the new transmitter installation. A summary of the Interference Analysis as conducted for the proposed facility under FCC Office of Engineering and Technology Bulletin No. 69 (OET-69) is included with the application.

It is noted that the proposal does not require coordination with Canada. As indicated in the Canadian Coordination Map included with the instant application, the predicted 19.5 dBu f(50,10) contour does not enter Canadian territory in compliance with the coordination requirements for a UHF low power digital station.