RF HAZARD STATEMENT
APPLICATION FOR CONSTRUCTION PERMIT
KTVF-LD, FAIRBANKS, ALASKA
CHANNEL 11

With respect to the potential for human exposure to radio frequency (RF) radiation, calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF energy at ground level in excess of FCC standards. Power density calculations were conducted at 2-m above ground* based on the following conservative assumptions, with the following results:

Call Sign	Channel	Average ERP (kW)	Distance (m)	Relative Field Factor†	FCC Limit‡ (mW/cm^2)	Percentage of Limit
KTVF-LD	11	1.6	31	0.40	0.200	5.0%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 5.0% of the FCC limit for general population / uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF energy and it is categorically excluded from environmental processing. The applicant, in coordination with other users of the transmission facility, shall reduce power or cease operation as necessary to protect persons having access to the tower or antenna from RF energy in excess of the FCC guidelines.

* The radiation center is located 31 m above ground level.
† This is a conservative assumption for the maximum relative field at steep downward angles.
‡ for general population/uncontrolled environments