

RF HAZARD STATEMENT
APPLICATION FOR SPECIAL TEMPORARY AUTHORITY
KTLO-LP (DIGITAL), COLORADO SPRINGS, COLORADO
CHANNEL 46

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
KTLO-LP (digital)	46	0.14	17	0.50	0.443	1.2%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 1.2% 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 shall reduce power or cease operation as necessary to protect persons having access to the roof of the building and/or the tower from RF energy in excess of the FCC guidelines.

* The radiation center is located 17 m above ground level and 6 m above roof level. The predicted maximum exposure level on the roof of the building is 3.3% of the controlled environment exposure limit of 2,217 mW/cm².

† This is a conservative assumption for the maximum relative field at steep downward angles.

‡ for general population/uncontrolled environments