

RF HAZARD STATEMENT  
APPLICATION FOR CONSTRUCTION PERMIT  
TELEVISION STATION KCEC(TV)  
DENVER, COLORADO  
CHANNEL 26 549.5 KW (MAX-DA) 244 M

With respect to the potential for human exposure to radio frequency (RF) energy, 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 <sup>†</sup>	FCC Limit <sup>‡</sup> (mW/cm <sup>2</sup> )	Percentage of Limit
KCEC(TV)	26	549.5	41	0.04	0.363	5.3%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 5.3% of the FCC limit for general population / uncontrolled exposure. However, as this is a multi-user site measurements will be made to substantiate compliance.

Public access to the transmitting site is restricted and appropriately marked with RFR warning signs. Furthermore, as this is a multi-user site, a protocol is in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures are taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing “accepted” RFR protective clothing and/or RFR exposure.

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\* The radiation center is located 41 m above ground level.

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

‡ for general population/uncontrolled environments