

RF HAZARD STATEMENT
APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT
STERLING, COLORADO
CHANNEL 23 1000 KW 402 M

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 radiation 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)	Antenna Height (m)	Relative Field Factor	FCC Limit* (mW/cm²)	Percentage of Limit
KUPN-DT	23	1000	351	0.20	0.351	3.1%

As indicated above, the exposure to RF radiation at 2-m above ground level will not exceed 3.1% of the FCC limit for general population / uncontrolled exposure on a very conservative calculation basis. Therefore, the proposal complies with the FCC limits for human exposure to RF radiation and it is categorically excluded from environmental processing with regard to RF exposure issues.

The applicant, in coordination with any 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 radio frequency radiation in excess of the FCC guidelines.

* for general population/uncontrolled environments