

RF HAZARD STATEMENT
APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION KRMA-TV
DENVER, COLORADO
CHANNEL 18 750 KW(H), 105 KW(V) (MAX-DA) 292 M HAAT

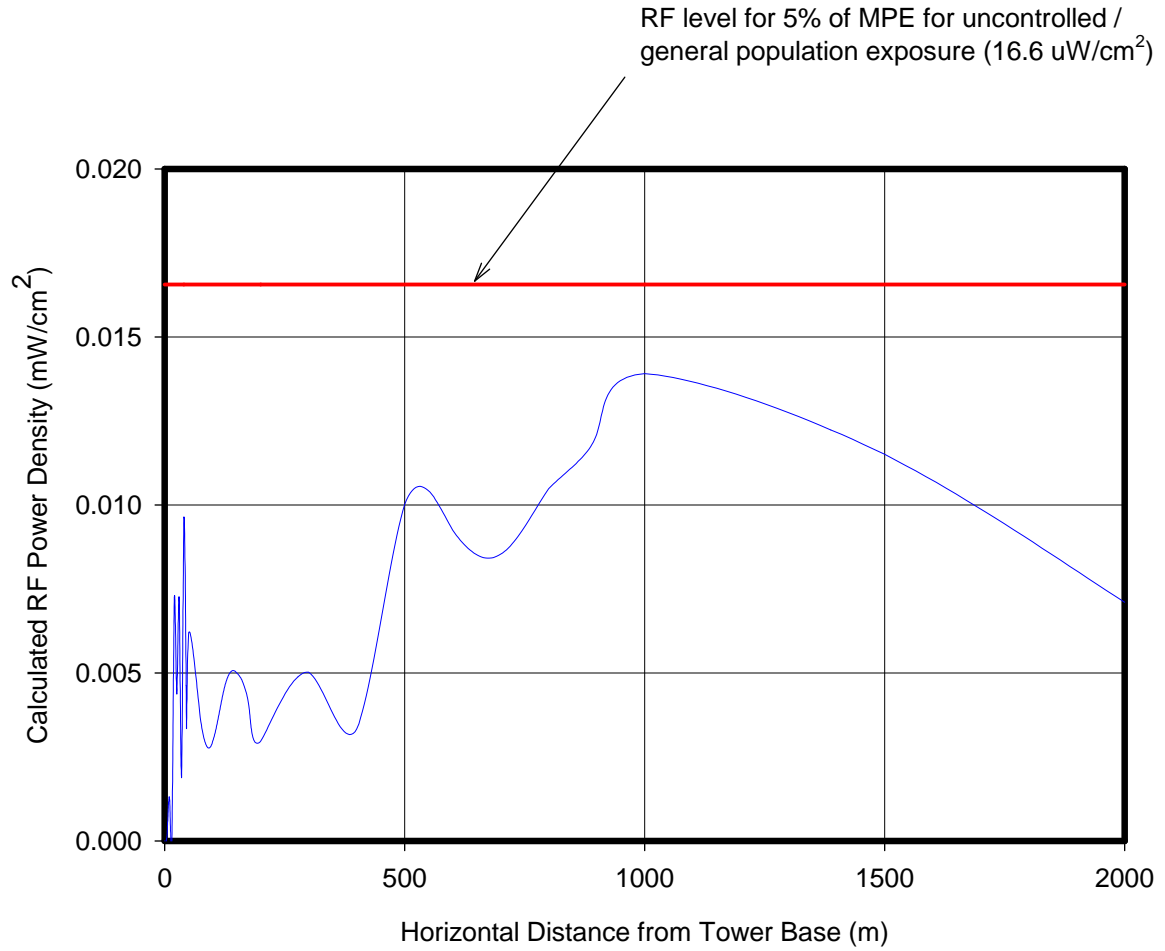
With respect to the potential for human exposure to radio frequency (RF) energy, calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF energy at ground level in excess of FCC standards. Power density calculations 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	FCC Limit [†] (mW/cm ²)	Percentage of Limit
KRMA-TV	18	750 kW (H), 105 kW(V), 855 kW (total)	See graph at Figure 1.	See Elevation Pattern Data.	0.3313	See graph at Figure 1.

As indicated in the attached Figure 1, the exposure to RF energy at 2-m above ground in the vicinity of the tower base will not exceed 0.014 mW/cm², or 4.2%, 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, 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 58 m above ground level.

† for general population/uncontrolled environments



Based on maximum horizontally polarized ERP of 750 kW and a vertically polarized ERP of 105 kW.

CALCULATED RF POWER DENSITY AT GROUND LEVEL

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DENVER, COLORADO
CHANNEL 18, 750 KW(H), 105 KW(V), MAX-DA, 292 M HAAT

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