

RF HAZARD STATEMENT
APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT
GRAND JUNCTION, COLORADO
CHANNEL 18 21 KW (MAX-DA) 409 M HAAT

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:

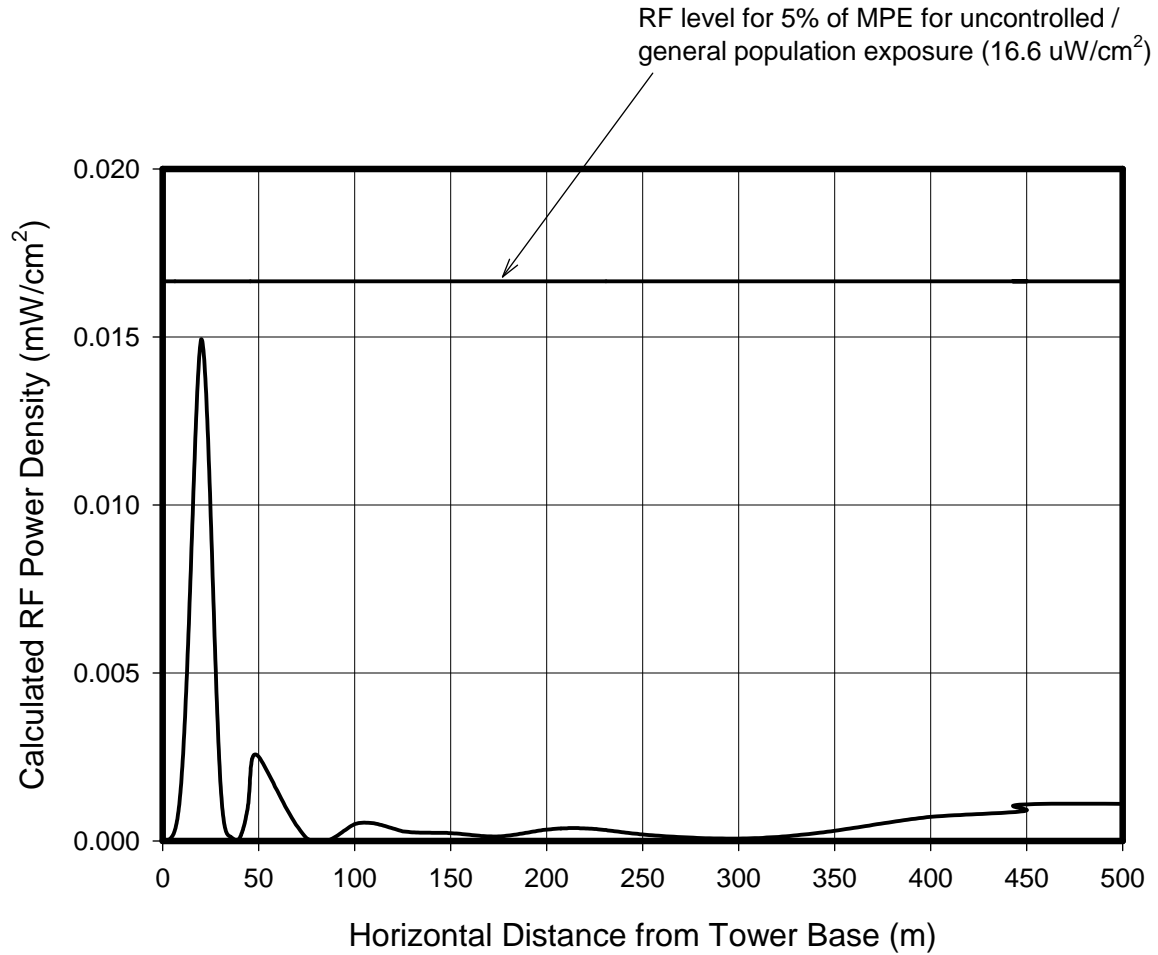
Call Sign	Channel	Average ERP (kW)	Distance (m)	Relative Field Factor	FCC Limit [†] (mW/cm ²)	Percentage of Limit
KRMJ	18	21.0	See graph at Figure 1.	See Elevation Pattern Data.	0.3313	See graph at Figure 1.

As indicated in the attached Figure 1, the exposure to RF radiation at 2-m above ground in the vicinity of the tower base will not exceed 4.5% of the FCC limit for general population / uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF radiation 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 radio frequency radiation in excess of the FCC guidelines.

* The radiation center is located 46 m above ground level.

† for general population/uncontrolled environments

Figure 1



Based on maximum horizontally polarized average ERP of 21 kW.

CALCULATED RF POWER DENSITY AT GROUND LEVEL

TELEVISION STATION KRMJ
GRAND JUNCTION, COLORADO
CHANNEL 18 21 KW (MAX-DA) 409 M

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