

RF HAZARD STATEMENT
APPLICATION FOR CONSTRUCTION PERMIT
TELEVISION STATION KKPX-TV
SAN JOSE, CALIFORNIA
CHANNEL 33 510 KW (H), 170 KW (V) 432 M HAAT

With respect to the potential for human exposure to radio frequency (RF) energy for the proposed KKPX-TV facility, 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:

Radial Distance from Base of Tower Structure (m)	Angle from Horizontal (deg)	Antenna Downward Relative Field Factor	Distance From Transmitting Antenna (m)	Calculated Power Density (uW/cm ²)	Percent of General Population / Uncontrolled MPE (%)
0	90.0	0.001	86.0	0.003	0.0
1	86.7	0.016	86.1	0.783	0.2
2	83.4	0.033	86.6	3.300	0.8
3	80.1	0.042	87.3	5.257	1.3
4	76.9	0.031	88.3	2.800	0.7
5	73.8	0.010	89.6	0.283	0.1
6	70.8	0.061	91.1	10.187	2.6
7	67.9	0.084	92.8	18.589	4.8
8	65.1	0.058	94.8	8.493	2.2
9	62.4	0.040	97.1	3.857	1.0
10	59.8	0.061	99.5	8.540	2.2
20	57.4	0.094	102.1	19.258	4.9
30	55.1	0.070	104.9	10.121	2.6
40	52.9	0.029	107.8	1.644	0.4
50	50.9	0.029	110.9	1.553	0.4
75	48.9	0.062	114.1	6.705	1.7
100	47.1	0.071	117.5	8.299	2.1

* See Section 1.1310 of the FCC Rules and Regulations.

† The radiation center height above ground is 88 m.

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 4.9% 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 licensee, in coordination with the 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.