

RF HAZARD STATEMENT

TRANSLATOR STATION K40AD-D
COTTONWOOD, ETC., ARIZONA
CHANNEL 29 15 KW (MAX-DA) 2349 M AMSL

With respect to the potential for human exposure to radio frequency (RF) energy for the proposed K40AD-D 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	90.00	0.001	16.00	0.00	0.0
1	86.42	0.020	16.03	0.78	0.2
2	82.87	0.039	16.12	2.93	0.8
3	79.38	0.050	16.28	4.73	1.3
4	75.96	0.050	16.49	4.60	1.2
5	72.65	0.046	16.76	3.77	1.0
6	69.44	0.054	17.09	5.00	1.3
7	66.37	0.075	17.46	9.24	2.5
8	63.43	0.092	17.89	13.25	3.5
9	60.64	0.086	18.36	11.00	2.9
10	57.99	0.056	18.87	4.41	1.2
11	55.49	0.007	19.42	0.07	0.0
12	53.13	0.059	20.00	4.36	1.2
13	50.91	0.101	20.62	12.03	3.2
14	48.81	0.127	21.26	17.88	4.8
15	46.85	0.121	21.93	15.25	4.1
20	38.66	0.089	25.61	6.05	1.6
25	32.62	0.032	29.68	0.58	0.2
30	28.07	0.121	34.00	6.35	1.7
40	21.80	0.156	43.08	6.57	1.8
50	17.74	0.147	52.50	3.93	1.0

* See Section 1.1310 of the FCC Rules and Regulations.

† The radiation center height above ground is 18 m.

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 4.8% 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.