RF HAZARD STATEMENT

TRANSLATOR STATION K38AI-D
COTTONWOOD, ARIZONA
CHANNEL 28 15 KW (MAX-DA) 2349 M AMSL

With respect to the potential for human exposure to radio frequency (RF) energy for the proposed K38AI-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	0.023	16.03	1.03	0.3
2	82.87	0.043	16.12	3.56	1.0
3	79.38	0.051	16.28	4.92	1.3
4	75.96	0.049	16.49	4.42	1.2
5	72.65	0.046	16.76	3.77	1.0
6	69.44	0.057	17.09	5.57	1.5
7	66.37	0.086	17.46	12.15	3.3
8	63.43	0.093	17.89	13.54	3.6
9	60.64	0.082	18.36	10.00	2.7
10	57.99	0.047	18.87	3.11	0.8
11	55.49	0.011	19.42	0.16	0.0
12	53.13	0.071	20.00	6.31	1.7
13	50.91	0.110	20.62	14.26	3.8
14	48.81	0.127	21.26	17.88	4.8
15	46.85	0.115	21.93	13.77	3.7
20	38.66	0.093	25.61	6.61	1.8
25	32.62	0.050	29.68	1.42	0.4
30	28.07	0.114	34.00	5.63	1.5
40	21.80	0.178	43.08	8.55	2.3
50	17.74	0.130	52.50	3.07	0.8

* 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.