

Environmental Protection**Human exposure to excess levels of radiofrequency radiation.**

The proposed facility is an existing 4-bay vertically polarized full-wave spaced antenna.

As can be seen in Exhibit 24-A, the maximum theoretical RF value would be 125.58 $\mu\text{W}/\text{cm}^2$ at a distance of 12 meters from the tower, which is 62.79% of the 200 $\mu\text{W}/\text{cm}^2$ permitted for public (uncontrolled) exposure, and 12.56% of the 1000 $\mu\text{W}/\text{cm}^2$ permitted for worker (controlled) exposure.

Therefore, the proposed facility complies with the requirements of OET 65.

EMF will fully cooperate with other future site users to temporarily reduce power or cease broadcasting, as necessary, to protect workers and others having access to the site from excessive levels of RF Radiation.

Exhibit 24-A
RF Analysis: KKRI Pocola, AR

KKRI.P

Site type: Proposed

Channel: 201

Class: C3

ERP: 18.5kw

Antenna: ERI

EPA Type 1*

4 bay

full wave

COR AGL: 68m

Polarization: vertical

*worst case EPA type 1 used for study

Distance From Tower (m)	KKRI.P Facility	Total RF (uW/cm2)	Percent of 200uW/cm2
0	108.2712	108.27	54.14
1	109.1413	109.14	54.57
2	109.9659	109.97	54.98
3	110.7412	110.74	55.37
4	111.4623	111.46	55.73
5	112.1224	112.12	56.06
6	112.8089	112.81	56.40
7	115.2052	115.21	57.60
8	117.5216	117.52	58.76
9	119.7403	119.74	59.87
10	121.8420	121.84	60.92
11	123.8055	123.81	61.90
12	125.5890	125.59	62.79
13	125.2350	125.24	62.62
14	124.6978	124.70	62.35
15	123.9626	123.96	61.98
16	123.0155	123.02	61.51
17	121.8433	121.84	60.92
18	120.4348	120.43	60.22
19	118.6254	118.63	59.31
20	116.5268	116.53	58.26
21	114.1798	114.18	57.09
22	111.5833	111.58	55.79
23	108.7389	108.74	54.37
24	105.6515	105.65	52.83
25	102.4694	102.47	51.23
26	99.4564	99.46	49.73
27	96.1872	96.19	48.09
28	92.6770	92.68	46.34
29	88.9443	88.94	44.47
30	85.0109	85.01	42.51
31	80.9016	80.90	40.45
32	76.4482	76.45	38.22
33	71.4592	71.46	35.73
34	66.4739	66.47	33.24
35	61.5228	61.52	30.76
36	56.6364	56.64	28.32
37	51.8441	51.84	25.92
38	47.1742	47.17	23.59
39	42.6529	42.65	21.33
40	38.4935	38.49	19.25
41	34.5452	34.55	17.27
42	30.7576	30.76	15.38
43	27.1523	27.15	13.58
44	23.7476	23.75	11.87
45	20.5592	20.56	10.28

Distance From Tower (m)	KKRI.P Facility	Total RF (uW/cm2)	Percent of 200uW/cm2
46	17.5992	17.60	8.80
47	14.8768	14.88	7.44
48	12.3561	12.36	6.18
49	10.0436	10.04	5.02
50	8.0115	8.01	4.01
51	6.2492	6.25	3.12
52	4.7440	4.74	2.37
53	3.4815	3.48	1.74
54	2.4457	2.45	1.22
55	1.6197	1.62	0.81
56	0.9855	0.99	0.49
57	0.5249	0.52	0.26
58	0.2193	0.22	0.11
59	0.0504	0.05	0.03
60	0.0000	0.00	0.00
61	0.0507	0.05	0.03
62	0.1855	0.19	0.09
63	0.3885	0.39	0.19
64	0.6449	0.64	0.32
65	0.9409	0.94	0.47
66	1.2639	1.26	0.63
67	1.6026	1.60	0.80
68	1.9468	1.95	0.97
69	2.2754	2.28	1.14
70	2.5897	2.59	1.29
71	2.8836	2.88	1.44
72	3.1523	3.15	1.58
73	3.3922	3.39	1.70
74	3.6006	3.60	1.80
75	3.7757	3.78	1.89
76	3.9167	3.92	1.96
77	4.0234	4.02	2.01
78	4.0964	4.10	2.05
79	4.1366	4.14	2.07
80	4.1456	4.15	2.07
81	4.1251	4.13	2.06
82	4.1570	4.16	2.08
83	4.1645	4.16	2.08
84	4.1452	4.15	2.07
85	4.1007	4.10	2.05
86	4.0323	4.03	2.02
87	3.9421	3.94	1.97
88	3.8319	3.83	1.92
89	3.7038	3.70	1.85
90	3.5600	3.56	1.78
91	3.4027	3.40	1.70
92	3.2340	3.23	1.62
93	3.0563	3.06	1.53
94	2.8716	2.87	1.44
95	2.6821	2.68	1.34
96	2.4897	2.49	1.24
97	2.2964	2.30	1.15
98	2.0857	2.09	1.04
99	1.8791	1.88	0.94
100	1.6805	1.68	0.84