Environmental Protection

There are two main factors that need to be addressed in order to make sure that the environment around a proposed facility is protected.

1) Significant affects to the environment.

EMF's proposed facility will be constructed on an existing tower therefore the proposal contemplated herein will have no adverse effect on the surrounding environment.

2) Human exposure to excess levels of radiofrequency radiation.

The proposed facility is to be built using a 3-bay circularly polarized full wave spaced antenna on the same site as the following:

Status	Call	Licensee/Permittee	Channel	City	FIN
LIC	K267AZ	Educational Media Foundation	267D	Cedaredge, CO	18272

See Exhibit 24-A for antennas that were specified by each licensee/permittee.

As can be seen in Exhibit 24-A, the maximum theoretical RF value would be 83.02 $\mu W/cm^2$ at a distance of 12 meters from the tower, which is 41.51% of the 200 $\mu W/cm^2$ permitted for public (uncontrolled) exposure, and 8.3% of the 1000 $\mu W/cm^2$ 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: KYKL.P Hotchkiss, CO

	KYKL.P	K267AZ
Site type:	Proposed	LIC
Channel:	245	267
Class:	A	D
ERP:	6kw	0.05kw
Antenna:	ERI	SWR
	EPA Type 3	EPA type 2
	3 bay	1 bay
	full wave	
COR AGL:	23m	15m
Polorization:	circular	circular

Distance From Tower (m)	KYKL.P Facility	K267AZ Facility	Total RF (uW/cm2)	Percent of 200uW/cm2
0	22.7350	1.0396	23.77	11.89
1	22.6916	1.0889	23.78	11.89
2	22.5560	1.2768	23.83	11.92
3	29.0748	1.5486	30.62	15.31
4	36.1269	1.8643	37.99	19.00
5	44.7261	2.2041	46.93	23.47
6	53.4687	2.5601	56.03	28.01
7	61.1888	2.9290	64.12	32.06
8	67.7757	3.1901	70.97	35.48
9	73.3216	3.4240	76.75	38.37
10	77.1608	3.6420	80.80	40.40
11	79.0221	3.7729	82.79	41.40
12	**79.2036**	3.8204	**83.02**	**41.51**
13	76.7282	3.8920	80.62	40.31
14	72.5576	4.0058	76.56	38.28
15	66.3796	**4.0834**	70.46	35.23
16	58.4260	4.0800	62.51	31.25
17	48.4441	4.0550	52.50	26.25
18	38.4137	4.0064	42.42	21.21
19	29.0122	3.9059	32.92	16.46
20	20.6367	3.7987	24.44	12.22
21	13.6126	3.6873	17.30	8.65
22	8.0935	3.5696	11.66	5.83
23	4.0948	3.4490	7.54	3.77
24	1.5264	3.3296	4.86	2.43
25	0.2456	3.2122	3.46	1.73
26	0.0359	3.0974	3.13	1.57
27	0.6638	2.9822	3.65	1.82
28	1.9034	2.8711	4.77	2.39
29	3.5495	2.7642	6.31	3.16
30	5.4137	2.6614	8.08	4.04
31	7.3367	2.5629	9.90	4.95
32	9.1907	2.4684	11.66	5.83
33	10.8643	2.3736	13.24	6.62
34	12.2152	2.2826	14.50	7.25
35	13.2790	2.1961	15.48	7.74
36	14.0434	2.1138	16.16	8.08
37	14.5130	2.0356	16.55	8.27
38	14.7044	1.9612	16.67	8.33
39	14.6432	1.8904	16.53	8.27
40	14.3756	1.8231	16.20	8.10
41	13.9939	1.7590	15.75	7.88
42	13.4454	1.6900	15.14	7.57
43	12.7618	1.6227	14.38	7.19
44	11.9741	1.5593	13.53	6.77
45	11.1113	1.4993	12.61	6.31

Distance From Tower (m)	KYKL.P Facility	K267AZ Facility	Total RF (uW/cm2)	Percent of 200uW/cm2
46	10.1999	1.4426	11.64	5.82
47	9.2636	1.3890	10.65	5.33
48	8.3229	1.3382	9.66	4.83
49	7.3957	1.2900	8.69	4.34
50	6.4668	1.2444	7.71	3.86
51	5.5751	1.2010	6.78	3.39
52	4.7447	1.1598	5.90	2.95
53	3.9808	1.1206	5.10	2.55
54	3.2868	1.0833	4.37	2.19
55	2.6642	1.0478	3.71	1.86
56	2.1132	1.0139	3.13	1.56
57	1.6329	0.9792	2.61	1.31
58	1.2213	0.9462	2.17	1.08
59	0.8760	0.9148	1.79	0.90
60	0.5938	0.8849	1.48	0.74
61	0.3712	0.8564	1.23	0.61
62	0.2045	0.8292	1.03	0.52
63	0.0897	0.8034	0.89	0.45
64	0.0229	0.7786	0.80	0.40
65	0.0001	0.7550	0.76	0.38
66	0.0173	0.7324	0.75	0.37
67	0.0709	0.7109	0.78	0.39
68	0.1573	0.6902	0.85	0.42
69	0.2729	0.6704	0.94	0.47
70	0.4144	0.6515	1.07	0.53
71	0.5788	0.6333	1.21	0.61
72	0.7629	0.6159	1.38	0.69
73	0.9642	0.5991	1.56	0.78
74	1.1800	0.5831	1.76	0.88
75	1.4079	0.5676	1.98	0.99
76	1.6459	0.5528	2.20	1.10
77	1.8917	0.5385	2.43	1.22
78	2.1438	0.5248	2.67	1.33
79	2.4003	0.5116	2.91	1.46
80	2.6597	0.4989	3.16	1.58
81	2.9207	0.4866	3.41	1.70
82	3.1821	0.4748	3.66	1.83
83	3.4428	0.4634	3.91	1.95
84	3.7018	0.4524	4.15	2.08
85	3.9582	0.4418	4.40	2.20
86	4.2104	0.4323	4.64	2.32
87	4.4536	0.4232	4.88	2.44
88	4.6918	0.4144	5.11	2.55
89	4.9245	0.4059	5.33	2.67
90	5.1513	0.3976	5.55	2.77
91	5.3718	0.3896	5.76	2.88
92	5.5859	0.3818	5.97	2.98
93	5.7933	0.3742	6.17	3.08
94	5.9938	0.3669	6.36	3.18
95	6.1874	0.3597	6.55	3.27
96	6.3739	0.3528	6.73	3.36
97	6.5533	0.3461	6.90	3.45
98	6.7257	0.3395	7.07	3.53
99	6.8910	0.3332	7.22	3.61
100	7.0493	0.3270	7.38	3.69