

**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.**

The proposed facility will be built at an existing communications facility. This site is not an “Historic Place” as described in section 1.1307(a) (4). Therefore, this application is excluded from the preparation of an “Environmental Assessment” pursuant to Section 1.1306 Note 1.

**2) Human exposure to excess levels of radiofrequency radiation.**

The proposed facility is to be built using a 6-bay .9-wave spaced antenna on the same site as the following:

<b>Status</b>	<b>Call</b>	<b>Licensee/Permittee</b>	<b>Channel</b>	<b>City</b>	<b>FIN</b>
Lic	KXKL	Infinity Radio, Inc.	286C	Denver, CO	59959
App	KRMT-TV	Word of God Fellowship, Inc.	41	Denver, CO	20476

See Exhibit 22-A for antennas that were specified by each licensee/permittee.

As can be seen in Exhibit 22A, when all facilities are operational, the maximum theoretical RF value would be  $792.18 \text{ uW/cm}^2$  at a distance of 7 meters from the tower, which is 396.09% of the  $200 \text{ uW/cm}^2$  permitted for public (uncontrolled) exposure, and 79.22% of the  $1000 \text{ uW/cm}^2$  permitted for worker (controlled) exposure.

Note that EMF’s contribution to RF on the site is  $102.2838 \text{ uW/cm}^2$  at a distance of 14 meters from the tower, which is 51.14% of the uncontrolled (public) exposure limit.

A fence currently protects the public from areas that exceed  $200\mu\text{W/cm}^2$ , and appropriate signage indicates RF exposure levels to workers and others with access to the site where it exceeds the “controlled access” levels of OET 65.

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

**Exhibit 22-A**  
**RF Analysis: 990917MJ.P 205C2 Bozeman, MT**

	<b>KLDV.P</b>	<b>KXKL</b>	<b>KRMT-TV</b>
<b>Site type:</b>	Application	Licensed	TV app
<b>Channel:</b>	216	286	41
<b>Class:</b>	C0	C	
<b>ERP:</b>	100/40 kw	100 kw	2223 kw
<b>Antenna:</b>	Shively	Shively	Bogner
	6810	6810	
	6-bay	6-bay	16-bay
	.9 wave	full wave	
<b>COR AGL:</b>	21 m	21 m	10 m
<b>Polorization:</b>		Circular	Horizontal

Distance From Tower (m)	KLDV.P Facility	KXKL Facility	KRMT-TV Facility	Total RF (uW/cm2)	Percent of 200uW/cm2
0	12.7574	75.7592	<b>46.0470</b>	134.56	67.28
1	13.9044	91.1082	45.5910	150.60	75.30
2	16.3445	121.7112	44.2760	182.33	91.17
3	30.1813	248.4157	42.2450	320.84	160.42
4	40.6424	406.5931	39.6960	486.93	243.47
5	43.3431	577.7663	36.8380	657.95	328.97
6	32.4971	708.5366	33.8580	774.89	387.45
7	14.7467	<b>746.5323</b>	30.9040	<b>792.18</b>	<b>396.09</b>
8	2.2394	732.7959	28.0780	763.11	381.56
9	1.4688	666.3130	25.4410	693.22	346.61
10	16.4344	514.9799	23.0240	554.44	277.22
11	44.0578	319.0797	20.8360	383.97	191.99
12	74.8147	144.2758	18.8720	237.96	118.98
13	97.1902	32.8141	17.1180	147.12	73.56
14	<b>102.2838</b>	0.1708	15.5570	118.01	59.01
15	88.1042	33.6648	14.1680	135.94	67.97
16	60.4917	98.1551	12.9350	171.58	85.79
17	30.5029	155.3719	11.8370	197.71	98.86
18	8.2689	179.4737	10.8600	198.60	99.30
19	0.0150	164.1601	9.9890	174.16	87.08
20	6.1045	120.6495	9.2090	135.96	67.98
21	22.1128	68.1601	8.5120	98.78	49.39
22	41.2773	24.9359	7.8850	74.10	37.05
23	57.2035	2.5205	7.3210	67.05	33.52
24	65.6103	2.7230	6.8120	75.15	37.57
25	65.0553	20.0570	6.3510	91.46	45.73
26	56.5129	45.2295	5.9340	107.68	53.84
27	43.0233	69.0166	5.5550	117.59	58.80
28	28.0303	84.7591	5.2090	118.00	59.00
29	14.6489	89.3949	4.8930	108.94	54.47
30	5.0921	83.2404	4.6050	92.94	46.47
31	0.4468	68.9041	4.3400	73.69	36.85
32	0.7413	50.4383	4.0970	55.28	27.64
33	5.1727	31.7650	3.8730	40.81	20.41
34	12.4581	16.0516	3.6660	32.18	16.09
35	21.1466	5.3185	3.4750	29.94	14.97
36	29.8704	0.3782	3.2990	33.55	16.77
37	37.3929	1.0017	3.1350	41.53	20.76
38	42.9439	6.1839	2.9820	52.11	26.05
39	46.1899	14.4924	2.8410	63.52	31.76
40	47.0581	24.3864	2.7090	74.15	37.08
41	45.7275	34.4402	2.5850	82.75	41.38
42	42.5525	43.4865	2.4700	88.51	44.25
43	37.9882	50.6876	2.3630	91.04	45.52
44	32.5269	55.5467	2.2620	90.34	45.17
45	26.6471	57.8793	2.1670	86.69	43.35

Distance From Tower (m)	KLDV.P Facility	KXKL Facility	KRMT-TV Facility	Total RF (uW/cm2)	Percent of 200uW/cm2
46	20.8896	57.9427	2.0780	80.91	40.46
47	15.4417	55.8046	1.9940	73.24	36.62
48	10.5887	51.8363	1.9150	64.34	32.17
49	6.5404	46.4904	1.8410	54.87	27.44
50	3.4292	40.2433	1.7710	45.44	22.72
51	1.3170	33.5558	1.7050	36.58	18.29
52	0.2059	26.8447	1.6420	28.69	14.35
53	0.0494	20.4648	1.5830	22.10	11.05
54	0.7642	14.6993	1.5270	16.99	8.50
55	2.2415	9.7575	1.4740	13.47	6.74
56	4.3567	5.7776	1.4230	11.56	5.78
57	6.9779	2.8331	1.3750	11.19	5.59
58	9.9619	0.9408	1.3290	12.23	6.12
59	13.1527	0.0737	1.2860	14.51	7.26
60	16.4501	0.1640	1.2450	17.86	8.93
61	19.7486	1.1131	1.2050	22.07	11.03
62	22.9573	2.8055	1.1680	26.93	13.47
63	26.0006	5.1166	1.1320	32.25	16.12
64	28.8173	7.9189	1.0970	37.83	18.92
65	31.3604	11.0872	1.0650	43.51	21.76
66	33.5958	14.5021	1.0330	49.13	24.57
67	35.5014	18.0536	1.0030	54.56	27.28
68	37.0650	21.6421	0.9750	59.68	29.84
69	38.2838	25.1802	0.9470	64.41	32.21
70	39.1621	28.5928	0.9210	68.68	34.34
71	39.7107	31.8174	0.8960	72.42	36.21
72	39.9452	34.8035	0.8710	75.62	37.81
73	39.8851	37.5120	0.8480	78.25	39.12
74	39.5527	39.9141	0.8260	80.29	40.15
75	38.9722	41.9908	0.8040	81.77	40.88
76	38.1689	43.7313	0.7840	82.68	41.34
77	37.1686	45.1324	0.7640	83.07	41.53
78	35.9974	46.1969	0.7450	82.94	41.47
79	34.6674	46.9129	0.7260	82.31	41.15
80	33.2104	47.3015	0.7080	81.22	40.61
81	31.6580	47.3911	0.6910	79.74	39.87
82	30.0324	47.2011	0.6750	77.91	38.95
83	28.3541	46.7524	0.6590	75.77	37.88
84	26.6424	46.0676	0.6430	73.35	36.68
85	24.9145	45.1695	0.6290	70.71	35.36
86	23.1865	44.0816	0.6140	67.88	33.94
87	21.4724	42.8270	0.6000	64.90	32.45
88	19.7848	41.4285	0.5870	61.80	30.90
89	18.1349	39.9080	0.5740	58.62	29.31
90	16.5322	38.2868	0.5620	55.38	27.69
91	14.9852	36.5849	0.5490	52.12	26.06
92	13.5006	34.8211	0.5380	48.86	24.43
93	12.0844	33.0132	0.5260	45.62	22.81
94	10.7412	31.1775	0.5150	42.43	21.22
95	9.4748	29.3290	0.5050	39.31	19.65
96	8.2878	27.4814	0.4940	36.26	18.13
97	7.1823	25.6471	0.4840	33.31	16.66
98	6.1595	23.8372	0.4750	30.47	15.24
99	5.2198	22.0617	0.4650	27.75	13.87
100	<b>4.3632</b>	<b>20.3294</b>	0.4560	25.15	12.57