

KAID
Channel 21 - Boise Idaho
ERP = 603000.00 WATTS

APPENDIX A

Maximum ERP 603 kW

Polarization ----- 1.25 Elliptical
 Antenna Height Above Ground -- 90 meters 295.3 feet
 FCC Uncontrolled RFR Limit ---- 343.33 $\mu\text{W}/\text{cm}^2$

Maximum Computed Power Density **69.860** $\mu\text{W}/\text{cm}^2$
20.35% of limit

Angle Below Horizontal (degrees)	<Point X> Horiz Distance from tower to 2 m AGL (meters)	Slant Distance from antenna to Point X (meters)	Vertical Pattern (REL. FIELD)	KAID ERP (kW)	KAID Calculated Power Density $\mu\text{W}/\text{cm}^2$	Percent Limit	Limit Exceeded?
1			1.000	603.0000			
5	1005.8	1009.7	0.138	11.4835	0.470	0.14%	No
10	499.1	506.8	0.088	4.6696	0.759	0.22%	No
15	328.4	340.0	0.038	0.8707	0.314	0.09%	No
20	241.8	257.3	0.022	0.2919	0.184	0.05%	No
25	188.7	208.2	0.003	0.0054	0.005	0.00%	No
30	152.4	176.0	0.037	0.8255	1.113	0.32%	No
35	125.7	153.4	0.025	0.3769	0.668	0.19%	No
40	104.9	136.9	0.051	1.5684	3.494	1.02%	No
45	88.0	124.5	0.106	6.7753	18.264	5.32%	No
50	73.8	114.9	0.006	0.0217	0.069	0.02%	No
55	61.6	107.4	0.067	2.7069	9.792	2.85%	No
60	50.8	101.6	0.023	0.3190	1.290	0.38%	No
65	41.0	97.1	0.064	2.4699	10.938	3.19%	No
70	32.0	93.6	0.156	14.6746	69.860	20.35%	No
75	23.6	91.1	0.052	1.6305	8.202	2.39%	No
80	15.5	89.4	0.016	0.1544	0.807	0.24%	No
85	7.7	88.3	0.002	0.0024	0.013	0.00%	No
90	0.0	88.0	0.000	0.0000	0.000	0.00%	No

