

KECI-TV

Channel 21 - Missoula, Montana

ERP = 950000.00 WATTS

APPENDIX A

Maximum ERP 950 kW

Polarization ----- 2 Circular
Antenna Height Above Ground -- 74 meters 242.8 feet
FCC Uncontrolled RFR Limit ---- 339.33 $\mu\text{W}/\text{cm}^2$

Maximum Computed Power Density 4.731 $\mu\text{W}/\text{cm}^2$
1.39% 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)	KECI-TV ERP (kW)	KECI-TV Calculated Power Density $\mu\text{W}/\text{cm}^2$	Percent Limit	Limit Exceeded?
0			0.526	262.8422			
5	823.0	826.1	0.160	24.3200	2.380	0.70%	No
10	408.3	414.6	0.075	5.3438	2.076	0.61%	No
15	268.7	278.2	0.031	0.9130	0.788	0.23%	No
20	197.8	210.5	0.027	0.6926	1.044	0.31%	No
25	154.4	170.4	0.042	1.6758	3.857	1.14%	No
30	124.7	144.0	0.008	0.0608	0.196	0.06%	No
35	102.8	125.5	0.032	0.9728	4.124	1.22%	No
40	85.8	112.0	0.028	0.7448	3.965	1.17%	No
45	72.0	101.8	0.020	0.3800	2.448	0.72%	No
50	60.4	94.0	0.023	0.5026	3.800	1.12%	No
55	50.4	87.9	0.024	0.5472	4.731	1.39%	No
60	41.6	83.1	0.009	0.0770	0.744	0.22%	No
65	33.6	79.4	0.018	0.3078	3.258	0.96%	No
70	26.2	76.6	0.017	0.2746	3.124	0.92%	No
75	19.3	74.5	0.013	0.1606	1.930	0.57%	No
80	12.7	73.1	0.005	0.0238	0.297	0.09%	No
85	6.3	72.3	0.003	0.0086	0.109	0.03%	No
90	0.0	72.0	0.000	0.0000	0.000	0.00%	No

