

KEPR-TV - Main Facility
Channel 18 - Pasco, Washington
ERP = 150000.00 WATTS

APPENDIX A

Maximum ERP 150 kW

Polarization ----- 2 Circular
 Antenna Height Above Ground -- 101 meters 331.4 feet
 FCC Uncontrolled RFR Limit ---- 331.33 $\mu\text{W}/\text{cm}^2$

Maximum Computed Power Density 2.190 $\mu\text{W}/\text{cm}^2$
 0.66% of limit

Angle Below Horizontal (degrees)	<Point X>		Vertical Pattern (REL. FIELD)	KEPR-TV - Main Facility			
	Horiz Distance from tower to 2 m AGL (meters)	Slant Distance from antenna to Point X (meters)		PR-TV - Main Fac ERP (kW)	Calculated Power Density $\mu\text{W}/\text{cm}^2$	Percent Limit	Limit Exceeded?
0			1.000	150.0000			
5	1131.6	1135.9	0.159	3.7922	0.196	0.06%	No
10	561.5	570.1	0.107	1.7174	0.353	0.11%	No
15	369.5	382.5	0.039	0.2282	0.104	0.03%	No
20	272.0	289.5	0.034	0.1734	0.138	0.04%	No
25	212.3	234.3	0.005	0.0038	0.005	0.00%	No
30	171.5	198.0	0.011	0.0182	0.031	0.01%	No
35	141.4	172.6	0.017	0.0434	0.097	0.03%	No
40	118.0	154.0	0.015	0.0338	0.095	0.03%	No
45	99.0	140.0	0.014	0.0294	0.100	0.03%	No
50	83.1	129.2	0.017	0.0434	0.173	0.05%	No
55	69.3	120.9	0.049	0.3602	1.647	0.50%	No
60	57.2	114.3	0.021	0.0662	0.338	0.10%	No
65	46.2	109.2	0.011	0.0182	0.102	0.03%	No
70	36.0	105.4	0.039	0.2282	1.373	0.41%	No
75	26.5	102.5	0.026	0.1014	0.645	0.19%	No
80	17.5	100.5	0.047	0.3314	2.190	0.66%	No
85	8.7	99.4	0.022	0.0726	0.491	0.15%	No
90	0.0	99.0	0.000	0.0000	0.000	0.00%	No

