

**KDBC-TV**  
**Channel 18 - El Paso, Texas**  
**ERP = 76300.00 WATTS**

## APPENDIX A

**Maximum ERP** 76.3 kW

Polarization ----- 1 Horizontal Only  
 Antenna Height Above Ground -- 104.9 meters 344.2 feet  
 FCC Uncontrolled RFR Limit ---- 331.33  $\mu\text{W}/\text{cm}^2$

Maximum Computed Power Density 14.928  $\mu\text{W}/\text{cm}^2$   
 4.51% 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)	KDBC-TV ERP (kW)	KDBC-TV Calculated Power Density $\mu\text{W}/\text{cm}^2$	Percent Limit	Limit Exceeded?
0			0.972	72.0870			
5	1176.2	1180.6	0.300	6.8670	0.165	0.05%	No
10	583.6	592.6	0.300	6.8670	0.653	0.20%	No
15	384.0	397.6	0.300	6.8670	1.451	0.44%	No
20	282.7	300.9	0.300	6.8670	2.534	0.76%	No
25	220.7	243.5	0.250	4.7688	2.687	0.81%	No
30	178.2	205.8	0.250	4.7688	3.761	1.14%	No
35	147.0	179.4	0.250	4.7688	4.949	1.49%	No
40	122.6	160.1	0.250	4.7688	6.215	1.88%	No
45	102.9	145.5	0.250	4.7688	7.521	2.27%	No
50	86.3	134.3	0.250	4.7688	8.827	2.66%	No
55	72.1	125.6	0.250	4.7688	10.094	3.05%	No
60	59.4	118.8	0.250	4.7688	11.282	3.41%	No
65	48.0	113.5	0.250	4.7688	12.356	3.73%	No
70	37.5	109.5	0.250	4.7688	13.283	4.01%	No
75	27.6	106.5	0.250	4.7688	14.035	4.24%	No
80	18.1	104.5	0.250	4.7688	14.589	4.40%	No
85	9.0	103.3	0.250	4.7688	14.928	4.51%	No
90	0.0	102.9	0.000	0.0000	0.000	0.00%	No

