

# WRGB

Channel 35 - Schenectady, New York

ERP = 1000000.00 WATTS

## APPENDIX A

Maximum ERP 1000 kW

Polarization ----- 2 Circular  
Antenna Height Above Ground -- 106 meters 347.8 feet  
FCC Uncontrolled RFR Limit ---- 399.33  $\mu\text{W}/\text{cm}^2$

Maximum Computed Power Density 21.488  $\mu\text{W}/\text{cm}^2$   
5.38% 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)	WRGB ERP (kW)	WRGB Calculated Power Density $\mu\text{W}/\text{cm}^2$	Percent Limit	Limit Exceeded?
0			1.000	1000.0000			
5	1188.7	1193.3	0.317	100.4890	4.714	1.18%	No
10	589.8	598.9	0.074	5.4760	1.020	0.26%	No
15	388.1	401.8	0.024	0.5760	0.238	0.06%	No
20	285.7	304.1	0.123	15.1290	10.930	2.74%	No
25	223.0	246.1	0.037	1.3690	1.510	0.38%	No
30	180.1	208.0	0.104	10.8160	16.700	4.18%	No
35	148.5	181.3	0.056	3.1360	6.372	1.60%	No
40	123.9	161.8	0.070	4.9000	12.504	3.13%	No
45	104.0	147.1	0.057	3.2490	10.033	2.51%	No
50	87.3	135.8	0.077	5.9290	21.488	5.38%	No
55	72.8	127.0	0.006	0.0360	0.149	0.04%	No
60	60.0	120.1	0.050	2.5000	11.580	2.90%	No
65	48.5	114.8	0.049	2.4010	12.180	3.05%	No
70	37.9	110.7	0.054	2.9160	15.903	3.98%	No
75	27.9	107.7	0.030	0.9000	5.186	1.30%	No
80	18.3	105.6	0.025	0.6250	3.744	0.94%	No
85	9.1	104.4	0.019	0.3610	2.213	0.55%	No
90	0.0	104.0	0.000	0.0000	0.000	0.00%	No

