

WRGB

Channel 35 - Schenectady, New York

ERP = 1000000.00 WATTS

APPENDIX A

Maximum ERP 1000 kW

Polarization ----- 2 Circular
Antenna Height Above Ground -- 113 meters 370.7 feet
FCC Uncontrolled RFR Limit ---- 399.33 $\mu\text{W}/\text{cm}^2$

Maximum Computed Power Density 19.609 $\mu\text{W}/\text{cm}^2$
4.91% 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	1268.7	1273.6	0.247	61.0090	2.513	0.63%	No
10	629.5	639.2	0.056	3.1360	0.513	0.13%	No
15	414.3	428.9	0.047	2.2090	0.802	0.20%	No
20	305.0	324.5	0.051	2.6010	1.650	0.41%	No
25	238.0	262.6	0.066	4.3560	4.218	1.06%	No
30	192.3	222.0	0.040	1.6000	2.169	0.54%	No
35	158.5	193.5	0.009	0.0810	0.144	0.04%	No
40	132.3	172.7	0.042	1.7640	3.952	0.99%	No
45	111.0	157.0	0.045	2.0250	5.489	1.37%	No
50	93.1	144.9	0.049	2.4010	7.639	1.91%	No
55	77.7	135.5	0.033	1.0890	3.962	0.99%	No
60	64.1	128.2	0.029	0.8410	3.420	0.86%	No
65	51.8	122.5	0.034	1.1560	5.148	1.29%	No
70	40.4	118.1	0.064	4.0960	19.609	4.91%	No
75	29.7	114.9	0.028	0.7840	3.966	0.99%	No
80	19.6	112.7	0.027	0.7290	3.833	0.96%	No
85	9.7	111.4	0.019	0.3610	1.942	0.49%	No
90	0.0	111.0	0.000	0.0000	0.000	0.00%	No

