

Exhibit 12 To FCC 349

**Barry L. Hardin
2688 Majestic Oaks Court
Beavercreek, OH 45431**

**W268AX
File Number 20050902AAT
Facility ID Number 147951
May 1, 2006**

Interference Contour Preliminary Calculations: Which Stations Require Protection?

Take max allowable ERP (80W) at 57m HAAT (the worst case radial) on 101.5 MHz to determine which stations require detailed calculations to determine that the translator's interference contour will not overlap their protected contour. For those situations where there is a possibility of overlap, look at the actual HAAT for critical azimuths and determine maximum permissible ERP.

Station Call	Facility ID	Station Class	Freq.	Azimuth Degrees	Distance Km	Protected Contour dBu	Protected Contour km	Int. Contour at 80W, 57m HAAT dBu	Int. Contour at 80W, 57m HAAT km	Comments
WIZF, Erlanger, KY (current)	5893	A	100.9	205.2	88.9	60	28.3	100	0.7	No problem
WIZF, Erlanger, KY (CP)	5893	A	101.1	205.2	88.9	60	28.3	100	0.7	No problem
WWCD, Grove City, OH	28644	A	101.1	90.8	90.9	60	28.3	100	0.7	No problem
WFMG, Richmond, IN (current)	41845	B	101.3	270.1	69.8	54	65.1	48	14.7	Max 1.5W ERP at 39m HAAT
WFMG Richmond, IN (CP)	41845	B1	101.3	270.1	69.8	57	52.1	51	12.4	No problem
WCWT, Centerville, OH	9780	D	101.5	186.8	22.6	60	4.4	40	24.6	Max 93W ERP at 28m HAAT
WKSW, Urbana, OH	10113	A	101.7	50.5	38.5	60	28.3	54	10.6	Max 250W ERP at 30m HAAT
WKRQ, Cincinnati, OH	11276	B	101.9	202.7	85.8	54	65.1	94	1.3	No problem
W270AT, Dayton, OH	157110	D	101.9	103.9	8.2	60	2.9	100	0.7	No problem
WIMT, Lima, OH	37497	B	102.1	1.7	92.7	54	65.1	94	1.3	No problem

Notes:

W270AT has a CP to run 7W ERP at 11.7m HAAT. Per their filing, their 60dBu protected contour is 2.9 km.

To protect WFMG (current location) and WCWT, the translator must run less than the maximum allowable ERP for the given HAAT in specific azimuths that intersect their protected contours. Detailed calculations follow:

Station information from FCCdatabase:

WFMG

IN RICHMOND

USA

Licensee: RODGERS BROADCASTING CORP.

Service Designation: FM 'Full Service' FM Station or Application

267B 101.3 MHz Licensed

File No.: BLH -19970826KC Facility ID No: 41845

CDBS Application ID No.: 252495

Antenna Structure Registration Number. (ASRN): 1031399

39 ° 49' 41.00" N Latitude

84 ° 55' 57.00" W Longitude (NAD27)

Polarization: Horizontal Vertical

Effective Radiated Power (ERP): 50.0 50.0 kW ERP

Ant. Height Above Average Terrain (HAAT): 78.0 78.0 meters HAAT

Ant. Radiation Center Above Mean Sea Level: 394.0 394.0 meters RCAMSL

Ant. Radiation Center Above Ground Level: 95.0 95.0 meters RCAGL

Not directional

Site in Canadian Border Zone Distance to Border: 275 km

Service Designation: FA USED allotment record (placeholder)

267B 101.3 MHz

CDBS Application ID No.: 294237

39 ° 49' 30.00" N Latitude

84 ° 55' 50.00" W Longitude (NAD27)

Site in Canadian Border Zone Distance to Border: km

Station information from FCCdatabase:

WCWT-FM OH CENTERVILLE USA

Licensee: CENTERVILLE CITY BOARD OF EDUCATION

Service Designation: FM 'Full Service' FM Station or Application

268D 101.5 MHz Licensed

File No.: BLED -19880819KD Facility ID No: 9780

CDBS Application ID No.: 117259

39 ° 37' 38.00" N Latitude

84 ° 08' 54.00" W Longitude (NAD27)

Polarization: Horizontal Vertical

Effective Radiated Power (ERP): .009 .009 kW ERP

Ant. Height Above Average Terrain (HAAT): 59.0 59.0 meters HAAT

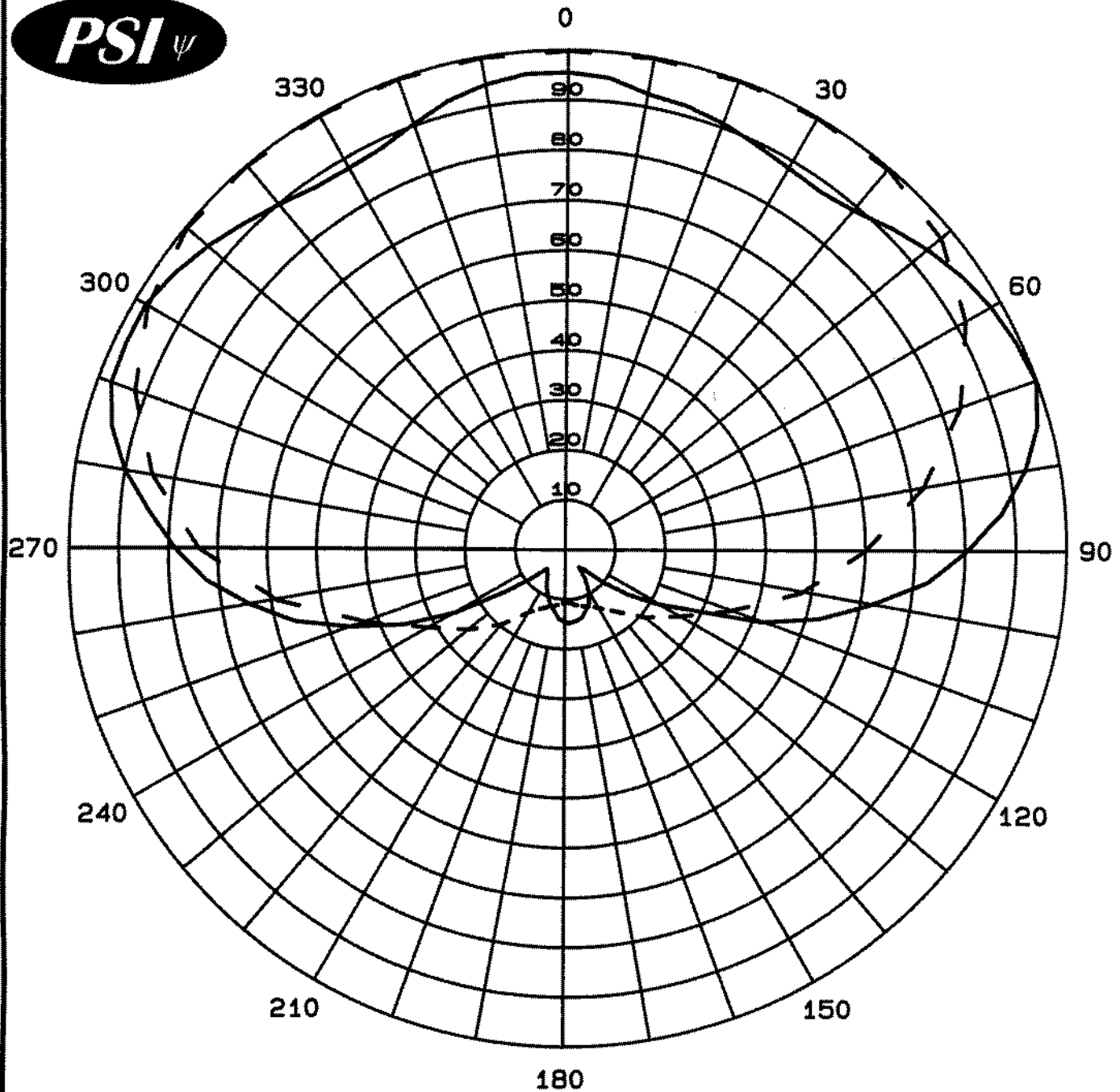
Ant. Radiation Center Above Mean Sea Level: 334.0 334.0 meters RCAMSL

Ant. Radiation Center Above Ground Level: 18.0 18.0 meters RCAGL

Not directional

Site in Canadian Border Zone Distance to Border: 259 km

.



Calculated Relative Field
Azimuth Plane Pattern
Antenna: PSIFML-1-DA
Type: 1-Bay LP FM Directional
Solid: H-pol, Dash: V-pol
Peak Gain: .929 (-.32 dB)
Frequency: 101.5 MHz
Mounting: Triangular Tower

Propagation Systems Inc.
PO Box 113
Ebensburg, PA 15931

Pattern Ref. P82803-1

Calculated Relative Field Tabulation

Antenna: PSIFML-1-DA

Frequency: 101.5 MHz

Gain: .929 (-.32 dB)

Mounting: Triangular Tower

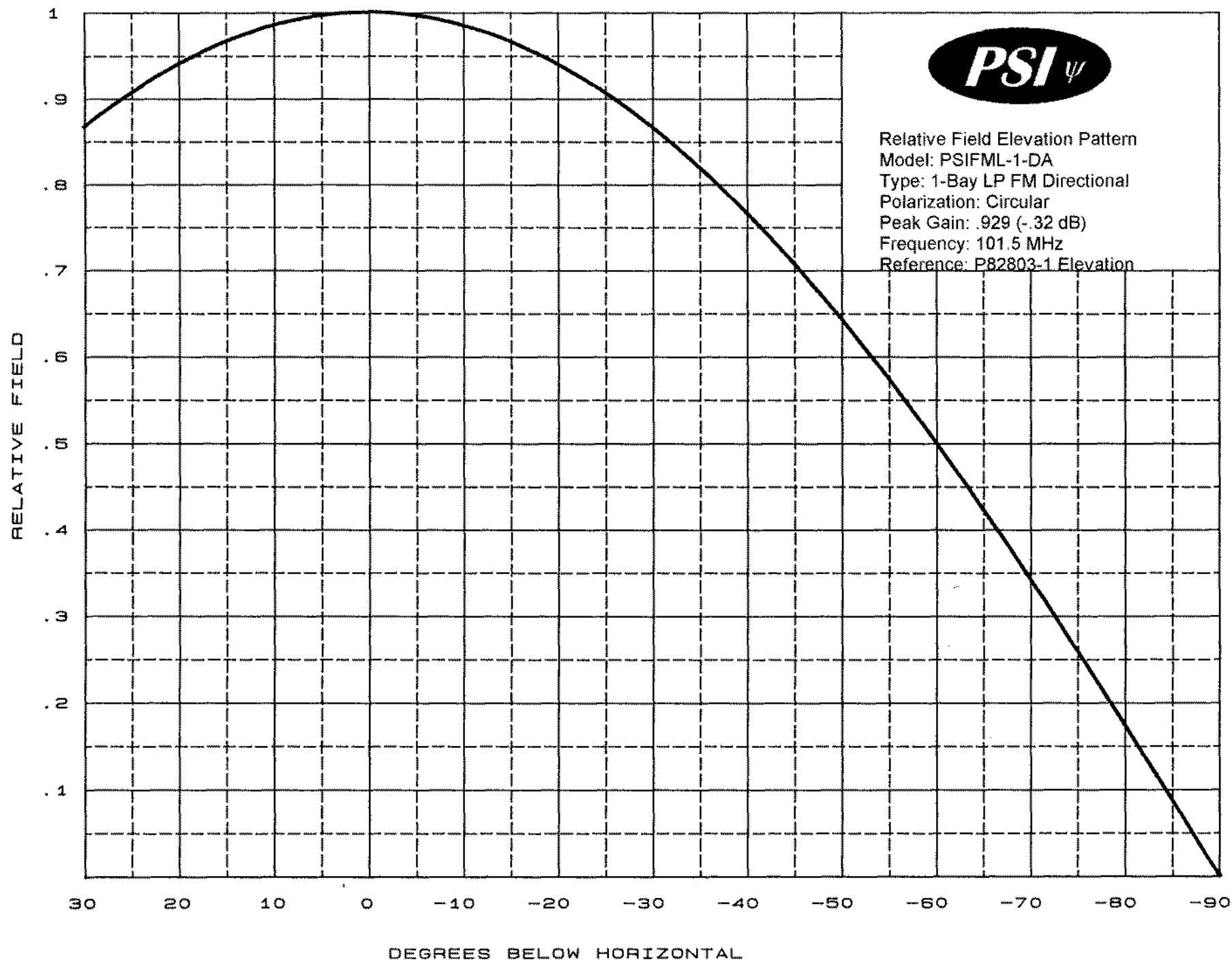
Reference: P82803-1

Horizontal Polarization

Angle	Relative Field	Power Gain	Gain (dB)
0	0.957	0.851	-0.70
10	0.927	0.798	-0.98
20	0.910	0.769	-1.14
30	0.885	0.728	-1.38
40	0.892	0.739	-1.31
50	0.941	0.823	-0.85
60	0.980	0.892	-0.49
70	1.000	0.929	-0.32
80	0.932	0.807	-0.93
90	0.813	0.614	-2.12
100	0.620	0.357	-4.47
110	0.420	0.164	-7.85
120	0.215	0.043	-13.67
130	0.100	0.009	-20.32
140	0.042	0.002	-27.85
150	0.095	0.008	-20.76
160	0.125	0.015	-18.38
170	0.142	0.019	-17.27
180	0.145	0.020	-17.09
190	0.123	0.014	-18.52
200	0.098	0.009	-20.49
210	0.072	0.005	-23.17
220	0.055	0.003	-25.51
230	0.085	0.007	-21.73
240	0.250	0.058	-12.36
250	0.455	0.192	-7.16
260	0.642	0.383	-4.17
270	0.785	0.573	-2.42
280	0.899	0.751	-1.24
290	0.973	0.880	-0.56
300	0.978	0.889	-0.51
310	0.942	0.825	-0.84
320	0.900	0.753	-1.23
330	0.880	0.720	-1.43
340	0.905	0.761	-1.19
350	0.945	0.830	-0.81

Vertical Polarization

Angle	Relative Field	Power Gain	Gain (dB)
0	1.000	0.929	-0.32
10	1.000	0.929	-0.32
20	1.000	0.929	-0.32
30	1.000	0.929	-0.32
40	0.998	0.925	-0.34
50	0.975	0.883	-0.54
60	0.921	0.788	-1.03
70	0.840	0.656	-1.83
80	0.727	0.491	-3.09
90	0.599	0.333	-4.77
100	0.479	0.213	-6.71
110	0.351	0.114	-9.41
120	0.263	0.064	-11.92
130	0.208	0.040	-13.96
140	0.159	0.023	-16.29
150	0.132	0.016	-17.91
160	0.118	0.013	-18.88
170	0.110	0.011	-19.49
180	0.103	0.010	-20.06
190	0.112	0.012	-19.33
200	0.122	0.014	-18.59
210	0.143	0.019	-17.21
220	0.195	0.035	-14.52
230	0.250	0.058	-12.36
240	0.313	0.091	-10.41
250	0.425	0.168	-7.75
260	0.589	0.322	-4.92
270	0.737	0.505	-2.97
280	0.844	0.662	-1.79
290	0.923	0.792	-1.01
300	0.973	0.880	-0.56
310	0.998	0.925	-0.34
320	1.000	0.929	-0.32
330	1.000	0.929	-0.32
340	1.000	0.929	-0.32
350	1.000	0.93	-0.32



Propagation Systems Inc.

Elevation Pattern Tabulation

Antenna: PSIFML-1-DA

Peak Gain: .929 (-.32 dB)

Frequency: 101.5 MHz

Pattern Ref. P82803-1 Elevation

Angle	Field	Gain	dB	Angle	Field	Gain	dB	Angle	Field	Gain	dB
-90.00	0.001	0.000	-60.320	-50.00	0.643	0.384	-4.159	-10.00	0.985	0.901	-0.454
-89.00	0.017	0.000	-35.497	-49.00	0.656	0.400	-3.983	-9.00	0.988	0.906	-0.428
-88.00	0.035	0.001	-29.476	-48.00	0.669	0.416	-3.810	-8.00	0.990	0.911	-0.406
-87.00	0.052	0.003	-25.954	-47.00	0.682	0.432	-3.645	-7.00	0.992	0.915	-0.386
-86.00	0.070	0.005	-23.456	-46.00	0.695	0.448	-3.486	-6.00	0.994	0.919	-0.369
-85.00	0.087	0.007	-21.517	-45.00	0.707	0.464	-3.332	-5.00	0.996	0.922	-0.354
-84.00	0.104	0.010	-19.946	-44.00	0.719	0.481	-3.182	-4.00	0.997	0.924	-0.342
-83.00	0.122	0.014	-18.606	-43.00	0.731	0.497	-3.039	-3.00	0.998	0.926	-0.333
-82.00	0.139	0.018	-17.454	-42.00	0.743	0.513	-2.900	-2.00	0.999	0.928	-0.326
-81.00	0.156	0.023	-16.437	-41.00	0.755	0.529	-2.764	-1.00	1.000	0.928	-0.322
-80.00	0.174	0.028	-15.527	-40.00	0.766	0.545	-2.636	0.00	1.000	0.929	-0.320
-79.00	0.191	0.034	-14.710	-39.00	0.777	0.561	-2.510	1.00	1.000	0.928	-0.322
-78.00	0.208	0.040	-13.964	-38.00	0.788	0.577	-2.391	2.00	0.999	0.928	-0.326
-77.00	0.225	0.047	-13.282	-37.00	0.798	0.592	-2.275	3.00	0.998	0.926	-0.333
-76.00	0.242	0.054	-12.650	-36.00	0.809	0.608	-2.162	4.00	0.997	0.924	-0.342
-75.00	0.259	0.062	-12.061	-35.00	0.819	0.623	-2.053	5.00	0.996	0.922	-0.354
-74.00	0.276	0.071	-11.514	-34.00	0.829	0.638	-1.949	6.00	0.994	0.919	-0.369
-73.00	0.292	0.079	-11.004	-33.00	0.839	0.653	-1.848	7.00	0.992	0.915	-0.386
-72.00	0.309	0.089	-10.522	-32.00	0.848	0.668	-1.752	8.00	0.990	0.911	-0.406
-71.00	0.325	0.098	-10.070	-31.00	0.857	0.682	-1.659	9.00	0.988	0.906	-0.428
-70.00	0.342	0.109	-9.640	-30.00	0.866	0.697	-1.570	10.00	0.985	0.901	-0.454
-69.00	0.358	0.119	-9.234	-29.00	0.875	0.711	-1.484	11.00	0.982	0.895	-0.482
-68.00	0.375	0.130	-8.850	-28.00	0.883	0.724	-1.402	12.00	0.978	0.889	-0.513
-67.00	0.391	0.142	-8.485	-27.00	0.891	0.737	-1.323	13.00	0.974	0.882	-0.547
-66.00	0.407	0.154	-8.135	-26.00	0.899	0.750	-1.248	14.00	0.970	0.874	-0.583
-65.00	0.423	0.166	-7.802	-25.00	0.906	0.763	-1.175	15.00	0.966	0.867	-0.621
-64.00	0.438	0.178	-7.484	-24.00	0.913	0.775	-1.106	16.00	0.961	0.858	-0.663
-63.00	0.454	0.191	-7.180	-23.00	0.920	0.787	-1.040	17.00	0.956	0.849	-0.709
-62.00	0.469	0.205	-6.889	-22.00	0.927	0.799	-0.977	18.00	0.951	0.840	-0.756
-61.00	0.485	0.218	-6.610	-21.00	0.933	0.810	-0.918	19.00	0.945	0.830	-0.807
-60.00	0.500	0.232	-6.343	-20.00	0.940	0.820	-0.861	20.00	0.940	0.820	-0.860
-59.00	0.515	0.246	-6.084	-19.00	0.945	0.830	-0.807	21.00	0.933	0.810	-0.918
-58.00	0.530	0.261	-5.837	-18.00	0.951	0.840	-0.757	22.00	0.927	0.799	-0.977
-57.00	0.545	0.275	-5.599	-17.00	0.956	0.849	-0.709	23.00	0.920	0.787	-1.040
-56.00	0.559	0.290	-5.370	-16.00	0.961	0.858	-0.663	24.00	0.913	0.775	-1.106
-55.00	0.573	0.306	-5.149	-15.00	0.966	0.867	-0.621	25.00	0.906	0.763	-1.175
-54.00	0.588	0.321	-4.936	-14.00	0.970	0.874	-0.583	26.00	0.899	0.750	-1.247
-53.00	0.602	0.336	-4.733	-13.00	0.974	0.882	-0.547	27.00	0.891	0.737	-1.323
-52.00	0.616	0.352	-4.534	-12.00	0.978	0.889	-0.513	28.00	0.883	0.724	-1.402
-51.00	0.629	0.368	-4.343	-11.00	0.982	0.895	-0.482	29.00	0.875	0.711	-1.484
								30.00	0.866	0.697	-1.570



Audio Division

(202)-418-2700

Antenna Height Above Average Terrain (HAAT) / Contour Calculations

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Antenna Height Above Average Terrain Calculations -- Input

Latitude **39 49 47.0 North**
 Longitude **84 7 2.0 West** (NAD 27)

Height of antenna radiation center above mean sea level [RCAMSL] = **297.0** meters

Number of Evenly Spaced Radials = 360 0° is referenced to True North

Results:

Calculated HAAT= 30. meters

(Antenna Height Above Average Terrain)
 using the 30 second FCC/NGDC terrain data)

Antenna Radiation Center Heights Above Individual Radials:

0.0°	6.8 meters
1.0°	6.7 meters
2.0°	6.7 meters
3.0°	6.6 meters
4.0°	6.7 meters
5.0°	6.9 meters
6.0°	7.1 meters
7.0°	7.2 meters
8.0°	7.2 meters
9.0°	7.3 meters
10.0°	7.5 meters
11.0°	7.8 meters
12.0°	8.2 meters
13.0°	8.6 meters
14.0°	9.2 meters

15.0°	9.9 meters
16.0°	11.0 meters
17.0°	12.1 meters
18.0°	13.3 meters
19.0°	14.2 meters
20.0°	15.0 meters
21.0°	15.9 meters
22.0°	17.0 meters
23.0°	17.9 meters
24.0°	18.6 meters
25.0°	19.0 meters
26.0°	19.3 meters
27.0°	19.9 meters
28.0°	20.7 meters
29.0°	21.6 meters
30.0°	22.5 meters
31.0°	23.3 meters
32.0°	23.9 meters
33.0°	24.4 meters
34.0°	24.8 meters
35.0°	25.1 meters
36.0°	25.1 meters
37.0°	24.8 meters
38.0°	24.4 meters
39.0°	24.0 meters
40.0°	24.1 meters
41.0°	24.3 meters
42.0°	24.6 meters
43.0°	24.9 meters
44.0°	25.2 meters
45.0°	25.5 meters
46.0°	26.3 meters
47.0°	27.6 meters
48.0°	28.8 meters
49.0°	29.7 meters
50.0°	30.3 meters
51.0°	30.8 meters
52.0°	31.0 meters
53.0°	31.1 meters
54.0°	31.3 meters
55.0°	31.4 meters
56.0°	31.7 meters
57.0°	32.1 meters
58.0°	32.4 meters
59.0°	32.7 meters

60.0°	32.9 meters
61.0°	33.0 meters
62.0°	33.1 meters
63.0°	33.1 meters
64.0°	33.1 meters
65.0°	33.2 meters
66.0°	33.3 meters
67.0°	33.4 meters
68.0°	33.4 meters
69.0°	33.4 meters
70.0°	33.3 meters
71.0°	33.3 meters
72.0°	33.3 meters
73.0°	33.2 meters
74.0°	33.2 meters
75.0°	33.2 meters
76.0°	33.3 meters
77.0°	33.3 meters
78.0°	32.9 meters
79.0°	32.0 meters
80.0°	31.0 meters
81.0°	30.0 meters
82.0°	29.7 meters
83.0°	29.5 meters
84.0°	29.0 meters
85.0°	28.5 meters
86.0°	28.1 meters
87.0°	27.7 meters
88.0°	27.5 meters
89.0°	27.8 meters
90.0°	28.3 meters
91.0°	28.8 meters
92.0°	29.3 meters
93.0°	29.6 meters
94.0°	29.7 meters
95.0°	29.5 meters
96.0°	29.1 meters
97.0°	28.7 meters
98.0°	28.3 meters
99.0°	28.2 meters
100.0°	28.1 meters
101.0°	27.9 meters
102.0°	27.9 meters
103.0°	28.3 meters
104.0°	28.5 meters

105.0°	28.7 meters
106.0°	28.8 meters
107.0°	28.9 meters
108.0°	29.0 meters
109.0°	29.2 meters
110.0°	29.4 meters
111.0°	29.6 meters
112.0°	30.0 meters
113.0°	30.7 meters
114.0°	31.5 meters
115.0°	32.2 meters
116.0°	32.6 meters
117.0°	32.6 meters
118.0°	32.4 meters
119.0°	32.1 meters
120.0°	32.2 meters
121.0°	32.6 meters
122.0°	33.1 meters
123.0°	33.6 meters
124.0°	33.9 meters
125.0°	34.2 meters
126.0°	34.3 meters
127.0°	34.4 meters
128.0°	34.2 meters
129.0°	34.0 meters
130.0°	33.6 meters
131.0°	33.2 meters
132.0°	32.5 meters
133.0°	31.9 meters
134.0°	31.4 meters
135.0°	30.7 meters
136.0°	29.9 meters
137.0°	29.1 meters
138.0°	28.4 meters
139.0°	27.8 meters
140.0°	26.9 meters
141.0°	25.9 meters
142.0°	25.1 meters
143.0°	24.6 meters
144.0°	24.3 meters
145.0°	23.7 meters
146.0°	23.2 meters
147.0°	22.7 meters
148.0°	22.3 meters
149.0°	22.0 meters

150.0°	21.8 meters
151.0°	21.7 meters
152.0°	21.7 meters
153.0°	21.3 meters
154.0°	20.9 meters
155.0°	20.9 meters
156.0°	21.6 meters
157.0°	22.9 meters
158.0°	24.2 meters
159.0°	25.5 meters
160.0°	26.9 meters
161.0°	28.4 meters
162.0°	29.5 meters
163.0°	29.9 meters
164.0°	29.9 meters
165.0°	29.8 meters
166.0°	29.4 meters
167.0°	29.0 meters
168.0°	28.2 meters
169.0°	27.5 meters
170.0°	27.0 meters
171.0°	27.0 meters
172.0°	27.4 meters
173.0°	27.7 meters
174.0°	28.3 meters
175.0°	29.2 meters
176.0°	30.1 meters
177.0°	31.0 meters
178.0°	31.8 meters
179.0°	32.6 meters
180.0°	33.0 meters
181.0°	31.9 meters
182.0°	30.8 meters
183.0°	29.9 meters
184.0°	29.0 meters
185.0°	28.0 meters
186.0°	27.2 meters
187.0°	26.7 meters
188.0°	26.0 meters
189.0°	25.2 meters
190.0°	24.4 meters
191.0°	23.7 meters
192.0°	23.0 meters
193.0°	22.4 meters
194.0°	21.9 meters

195.0°	21.7 meters
196.0°	22.0 meters
197.0°	22.9 meters
198.0°	24.4 meters
199.0°	26.6 meters
200.0°	29.1 meters
201.0°	31.4 meters
202.0°	33.9 meters
203.0°	37.1 meters
204.0°	40.7 meters
205.0°	43.5 meters
206.0°	45.5 meters
207.0°	47.4 meters
208.0°	49.8 meters
209.0°	52.2 meters
210.0°	53.5 meters
211.0°	53.8 meters
212.0°	54.0 meters
213.0°	54.6 meters
214.0°	55.3 meters
215.0°	56.1 meters
216.0°	56.7 meters
217.0°	56.9 meters
218.0°	57.0 meters
219.0°	57.0 meters
220.0°	57.0 meters
221.0°	57.0 meters
222.0°	56.8 meters
223.0°	56.2 meters
224.0°	55.3 meters
225.0°	54.3 meters
226.0°	53.5 meters
227.0°	52.8 meters
228.0°	52.4 meters
229.0°	52.2 meters
230.0°	52.0 meters
231.0°	51.8 meters
232.0°	51.5 meters
233.0°	50.8 meters
234.0°	49.9 meters
235.0°	48.9 meters
236.0°	47.8 meters
237.0°	46.9 meters
238.0°	46.3 meters
239.0°	46.0 meters

240.0°	46.0 meters
241.0°	45.9 meters
242.0°	45.5 meters
243.0°	44.9 meters
244.0°	44.0 meters
245.0°	43.1 meters
246.0°	42.4 meters
247.0°	41.9 meters
248.0°	41.4 meters
249.0°	40.7 meters
250.0°	39.7 meters
251.0°	38.6 meters
252.0°	37.4 meters
253.0°	36.8 meters
254.0°	36.3 meters
255.0°	36.0 meters
256.0°	35.8 meters
257.0°	35.7 meters
258.0°	35.8 meters
259.0°	36.0 meters
260.0°	35.9 meters
261.0°	35.7 meters
262.0°	35.3 meters
263.0°	35.0 meters
264.0°	35.4 meters
265.0°	36.1 meters
266.0°	37.0 meters
267.0°	37.8 meters
268.0°	38.1 meters
269.0°	38.4 meters
270.0°	38.7 meters
271.0°	39.0 meters
272.0°	39.3 meters
273.0°	39.3 meters
274.0°	39.4 meters
275.0°	39.5 meters
276.0°	39.6 meters
277.0°	39.8 meters
278.0°	39.1 meters
279.0°	38.3 meters
280.0°	37.5 meters
281.0°	36.6 meters
282.0°	35.5 meters
283.0°	34.9 meters
284.0°	34.7 meters

285.0°	34.1 meters
286.0°	33.6 meters
287.0°	32.5 meters
288.0°	30.7 meters
289.0°	28.8 meters
290.0°	26.8 meters
291.0°	24.9 meters
292.0°	23.2 meters
293.0°	21.4 meters
294.0°	19.5 meters
295.0°	17.5 meters
296.0°	15.9 meters
297.0°	14.7 meters
298.0°	14.2 meters
299.0°	14.1 meters
300.0°	14.4 meters
301.0°	14.6 meters
302.0°	14.9 meters
303.0°	15.3 meters
304.0°	15.7 meters
305.0°	16.2 meters
306.0°	16.8 meters
307.0°	17.3 meters
308.0°	17.5 meters
309.0°	17.7 meters
310.0°	18.0 meters
311.0°	18.4 meters
312.0°	18.6 meters
313.0°	18.8 meters
314.0°	18.8 meters
315.0°	18.8 meters
316.0°	18.8 meters
317.0°	19.0 meters
318.0°	19.4 meters
319.0°	20.0 meters
320.0°	20.8 meters
321.0°	21.8 meters
322.0°	23.2 meters
323.0°	24.6 meters
324.0°	26.1 meters
325.0°	27.5 meters
326.0°	28.6 meters
327.0°	29.4 meters
328.0°	29.9 meters
329.0°	30.4 meters

330.0°	31.0 meters
331.0°	31.6 meters
332.0°	32.1 meters
333.0°	32.3 meters
334.0°	32.4 meters
335.0°	32.2 meters
336.0°	31.9 meters
337.0°	31.5 meters
338.0°	31.1 meters
339.0°	30.9 meters
340.0°	31.2 meters
341.0°	31.6 meters
342.0°	31.9 meters
343.0°	31.7 meters
344.0°	30.9 meters
345.0°	29.7 meters
346.0°	28.2 meters
347.0°	26.8 meters
348.0°	24.8 meters
349.0°	22.3 meters
350.0°	19.7 meters
351.0°	17.6 meters
352.0°	15.3 meters
353.0°	12.0 meters
354.0°	9.2 meters
355.0°	7.7 meters
356.0°	7.6 meters
357.0°	7.6 meters
358.0°	7.3 meters
359.0°	7.0 meters

New Antenna Height Above Average Terrain (HAAT) calculation?

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PSI Model FML-1-DA

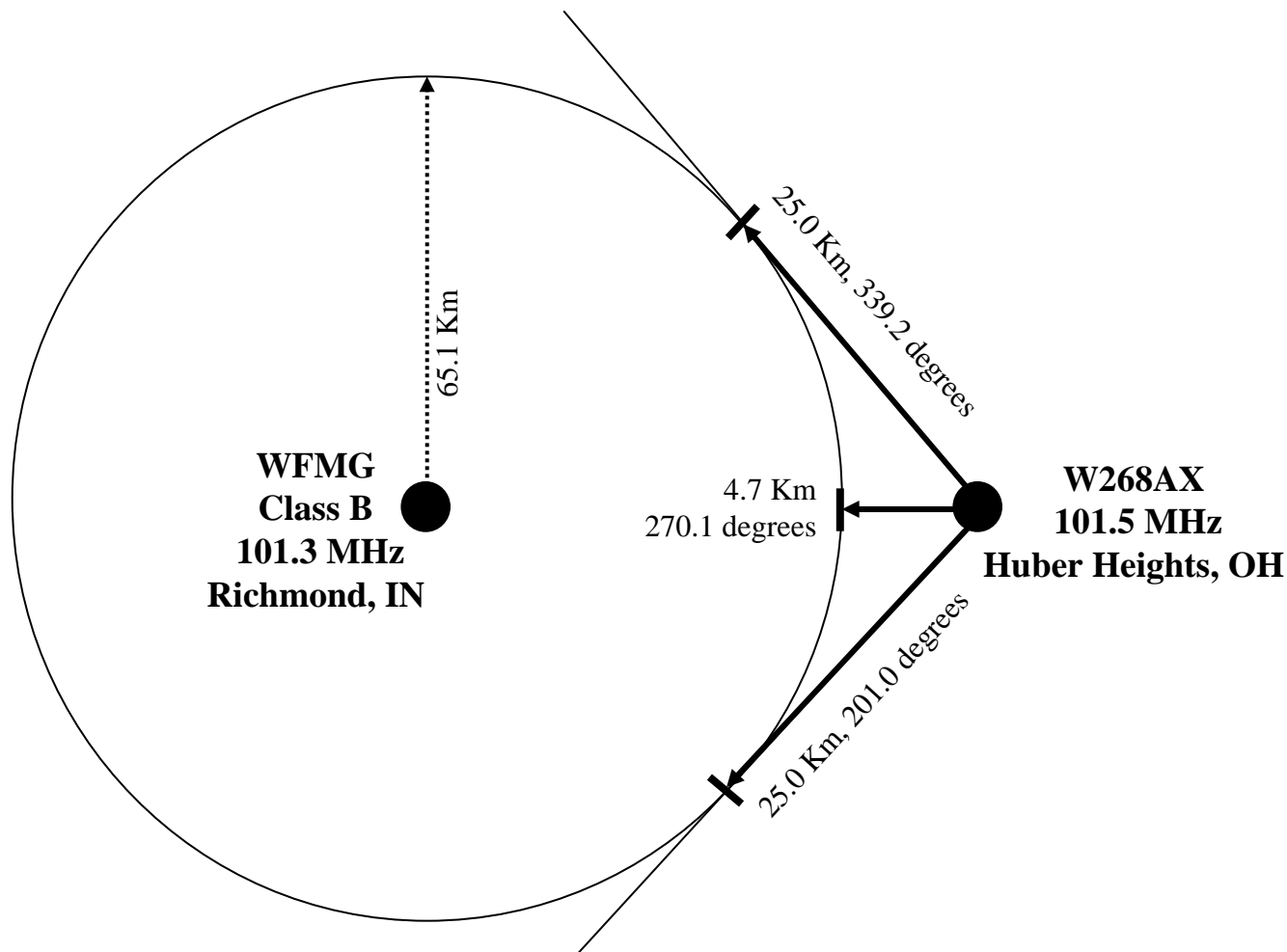
Triangular Tower (Pattern Reference P82803-1)

Reference Degrees	Power Gain	ERP with 75W at antenna	Azimuth with 100 degree offset
0	0.929	69.68	100
10	0.929	69.68	110
20	0.929	69.68	120
30	0.929	69.68	130
40	0.925	69.38	140
50	0.883	66.23	150
60	0.892	66.90	160
70	0.929	69.68	170
80	0.807	60.53	180
90	0.614	46.05	190
100	0.357	26.78	200
110	0.164	12.30	210
120	0.064	4.80	220
130	0.040	3.00	230
140	0.023	1.73	240
150	0.016	1.20	250
160	0.015	1.13	260
170	0.019	1.43	270
180	0.020	1.50	280
190	0.014	1.05	290
200	0.014	1.05	300
210	0.019	1.43	310
220	0.035	2.63	320
230	0.058	4.35	330
240	0.091	6.83	340
250	0.192	14.40	350
260	0.383	28.73	0
270	0.573	42.98	10
280	0.751	56.33	20
290	0.880	66.00	30
300	0.889	66.68	40
310	0.925	69.38	50
320	0.929	69.68	60
330	0.929	69.68	70
340	0.929	69.68	80
350	0.945	70.88	90

Max 1.5W at 270.1 degrees to protect WFMG.

Max 93W at 186.8 degrees to protect WCWT-FM.

Max 250W at 50.5 degrees to protect WKSX.



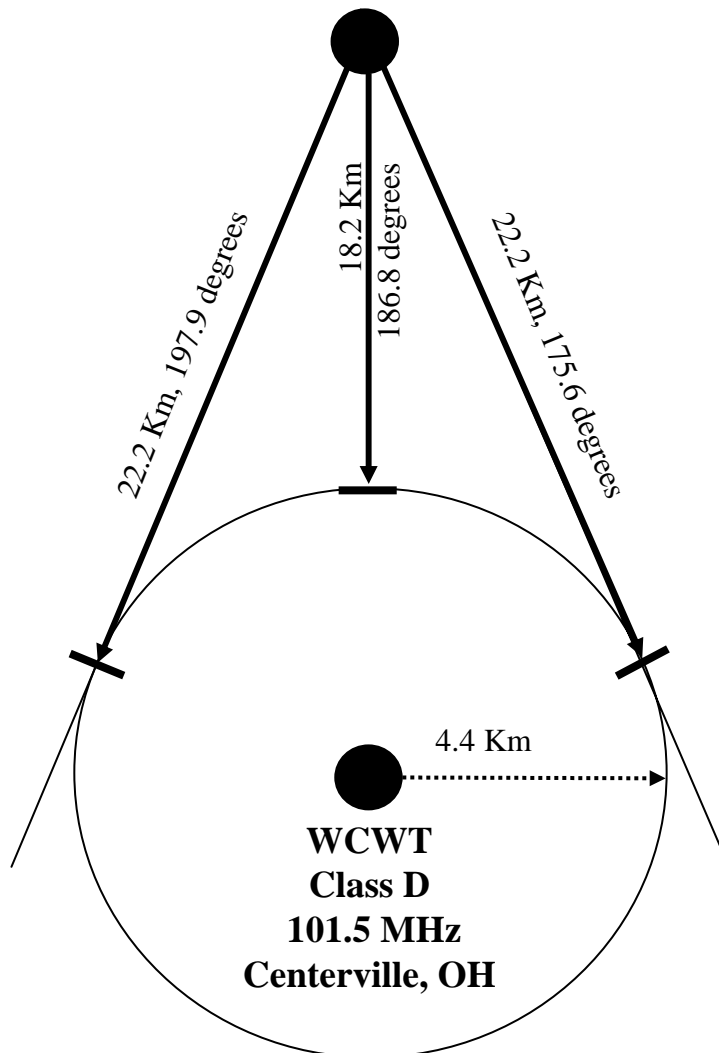
Azimuth in degrees	210	220	230	240	250	260	270
Distance to WFMG Protected Contour (Km)	10.5	7.5	6.2	5.4	4.9	4.7	4.6
W268AX ERP (Watts)**	13	5	3	1.8	1.2	1.2	1.5
HAAT (meters) at that azimuth*	54	57	52	46	40	36	39
W268AX 48 dBu interference contour (Km) (*, **)	9.2	7.3	6.2	5.1	4.2	4.0	4.6

Azimuth in degrees	270.1	280	290	300	310	320	330
Distance to WFMG Protected Contour (Km)	4.6	4.7	4.9	5.4	6.2	7.5	10.5
W268AX ERP (Watts)**	1.5	1.5	1.1	1.1	1.5	3	5
HAAT (meters) at that azimuth*	39	38	27	15	18	21	31
W268AX 48 dBu interference contour (Km) (*, **)	4.6	4.4	3.6	3.6	3.9	4.7	5.4

* NOTE: Rounded up to next integer. For any HAAT less than 30m, the 48 dBu interference contour calculated using 30m HAAT.

** NOTE: For fractional ERPs between 1 and 2 watts, the 48 dBu interference contour is calculated using an approximation of the FCC curve. All ERPs exceeding 2 watts rounded up to the next integer.

W268AX
101.5 MHz
Huber Heights, OH



Azimuth in degrees	180	186.8	190
Distance to protected Contour (Km)	19.0	18.2	18.4
W268AX ERP (Watts)**	61	57	47
HAAT (meters) at that azimuth*	33	27	25
W268AX 40 dBu interference contour (Km) (*, **)	17.0	15.7	14.8

* NOTE: Rounded up to next integer. For any HAAT less than 30m, the 48 dBu interference contour calculated using 30m HAAT.

** NOTE: All ERPs are rounded up to the next integer.

Translator Overlap Area

