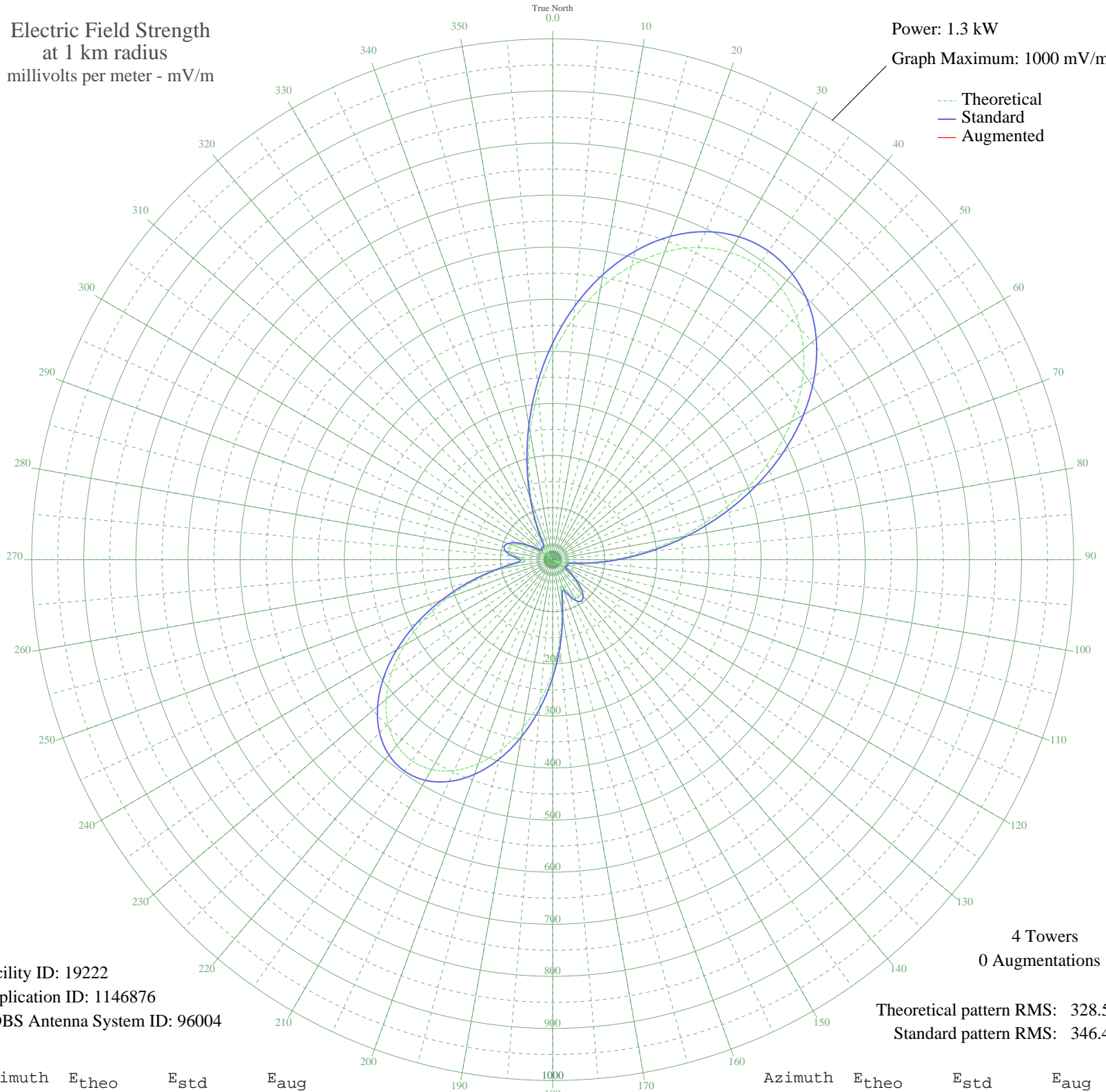


WRMN ELGIN, IL BP-20040622AAA 1410 kHz

Nighttime

Electric Field Strength
at 1 km radius
millivolts per meter - mV/m

Power: 1.3 kW
Graph Maximum: 1000 mV/m



Facility ID: 19222
Application ID: 1146876
CDBS Antenna System ID: 96004

4 Towers
0 Augmentations

Theoretical pattern RMS: 328.56
Standard pattern RMS: 346.42

Azimuth	E _{theo}	E _{std}	E _{aug}
0	395.00	415.68	
5	464.94	488.97	
10	528.66	555.79	
15	583.78	613.59	
20	628.40	660.41	
25	661.18	694.80	
30	681.20	715.80	
35	687.92	722.85	
40	681.20	715.80	
45	661.18	694.80	
50	628.40	660.41	
55	583.78	613.59	
60	528.66	555.79	
65	464.94	488.97	
70	395.00	415.68	
75	321.78	339.01	
80	248.60	262.51	
85	179.08	190.07	
90	116.80	125.75	
95	65.13	73.82	
100	27.26	39.90	
105	10.56	29.93	
110	14.05	31.47	
115	10.25	29.81	
120	3.59	28.06	
125	23.87	37.43	
130	46.72	56.38	
135	67.58	76.21	
140	82.37	90.84	
145	87.96	96.45	
150	82.84	91.32	
155	68.33	76.95	
160	53.33	62.51	
165	62.24	71.02	
170	101.66	110.30	
175	155.24	165.35	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	213.89	226.30	
185	272.63	287.61	
190	327.85	345.36	
195	376.68	396.49	
200	416.86	438.58	
205	446.71	469.87	
210	465.07	489.11	
215	471.26	495.61	
220	465.07	489.11	
225	446.71	469.87	
230	416.86	438.58	
235	376.68	396.49	
240	327.85	345.36	
245	272.63	287.61	
250	213.89	226.29	
255	155.24	165.35	
260	101.66	110.30	
265	62.24	71.02	
270	53.33	62.51	
275	68.33	76.95	
280	82.84	91.32	
285	87.96	96.45	
290	82.37	90.84	
295	67.58	76.21	
300	46.72	56.38	
305	23.87	37.43	
310	3.59	28.06	
315	10.25	29.81	
320	14.05	31.47	
325	10.56	29.93	
330	27.26	39.90	
335	65.13	73.82	
340	116.80	125.75	
345	179.08	190.07	
350	248.60	262.51	
355	321.78	339.01	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

22 Feb 2009

Prepared by Audio Division, Media Bureau
Federal Communications Commission