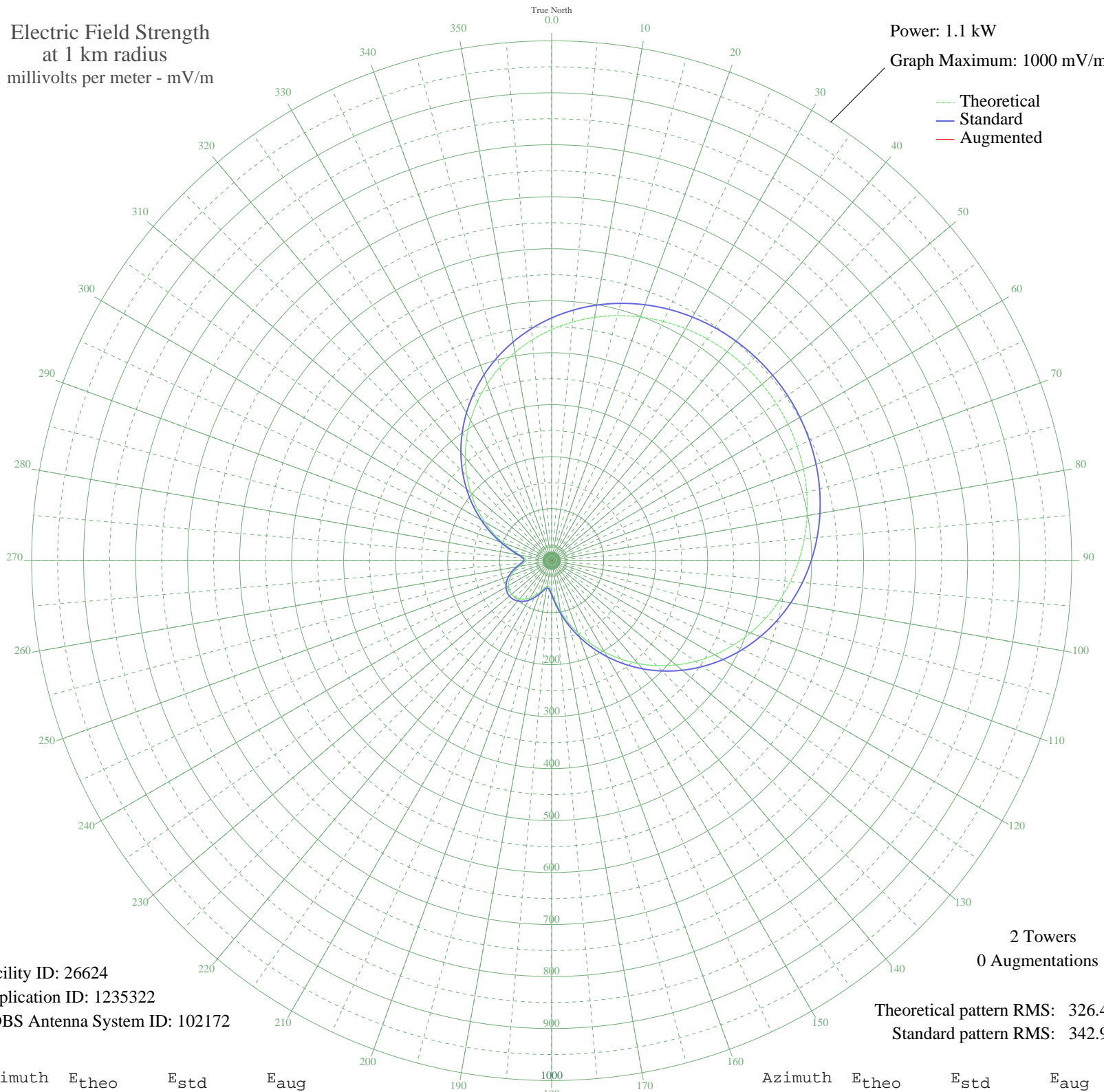


# WILY CENTRALIA, IL BL-20080201CPT 1210 kHz

## Critical Hours

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

Power: 1.1 kW  
Graph Maximum: 1000 mV/m



Facility ID: 26624  
Application ID: 1235322  
CDBS Antenna System ID: 102172

2 Towers  
0 Augmentations

Theoretical pattern RMS: 326.40  
Standard pattern RMS: 342.90

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	444.48	466.86	
5	460.77	483.97	
10	475.25	499.16	
15	487.91	512.46	
20	498.78	523.86	
25	507.88	533.41	
30	515.25	541.15	
35	520.93	547.12	
40	524.96	551.35	
45	527.37	553.87	
50	528.17	554.71	
55	527.37	553.87	
60	524.96	551.35	
65	520.93	547.12	
70	515.25	541.15	
75	507.88	533.41	
80	498.78	523.86	
85	487.91	512.46	
90	475.25	499.16	
95	460.77	483.97	
100	444.48	466.86	
105	426.39	447.88	
110	406.57	427.07	
115	385.09	404.53	
120	362.07	380.37	
125	337.66	354.76	
130	312.07	327.90	
135	285.50	300.03	
140	258.24	271.43	
145	230.56	242.40	
150	202.79	213.29	
155	175.30	184.48	
160	148.50	156.41	
165	122.87	129.60	
170	99.05	104.73	
175	77.99	82.81	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	61.24	65.47	
185	51.14	55.10	
190	49.53	53.45	
195	55.02	59.08	
200	64.03	68.35	
205	73.77	78.44	
210	82.76	87.77	
215	90.22	95.53	
220	95.76	101.30	
225	99.15	104.84	
230	100.29	106.03	
235	99.15	104.84	
240	95.76	101.30	
245	90.22	95.53	
250	82.76	87.77	
255	73.77	78.44	
260	64.03	68.35	
265	55.02	59.08	
270	49.53	53.45	
275	51.14	55.10	
280	61.24	65.47	
285	77.99	82.81	
290	99.05	104.73	
295	122.87	129.60	
300	148.50	156.41	
305	175.30	184.48	
310	202.79	213.29	
315	230.56	242.40	
320	258.24	271.43	
325	285.50	300.03	
330	312.07	327.90	
335	337.66	354.76	
340	362.07	380.37	
345	385.09	404.53	
350	406.57	427.07	
355	426.39	447.88	

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.

13 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission