

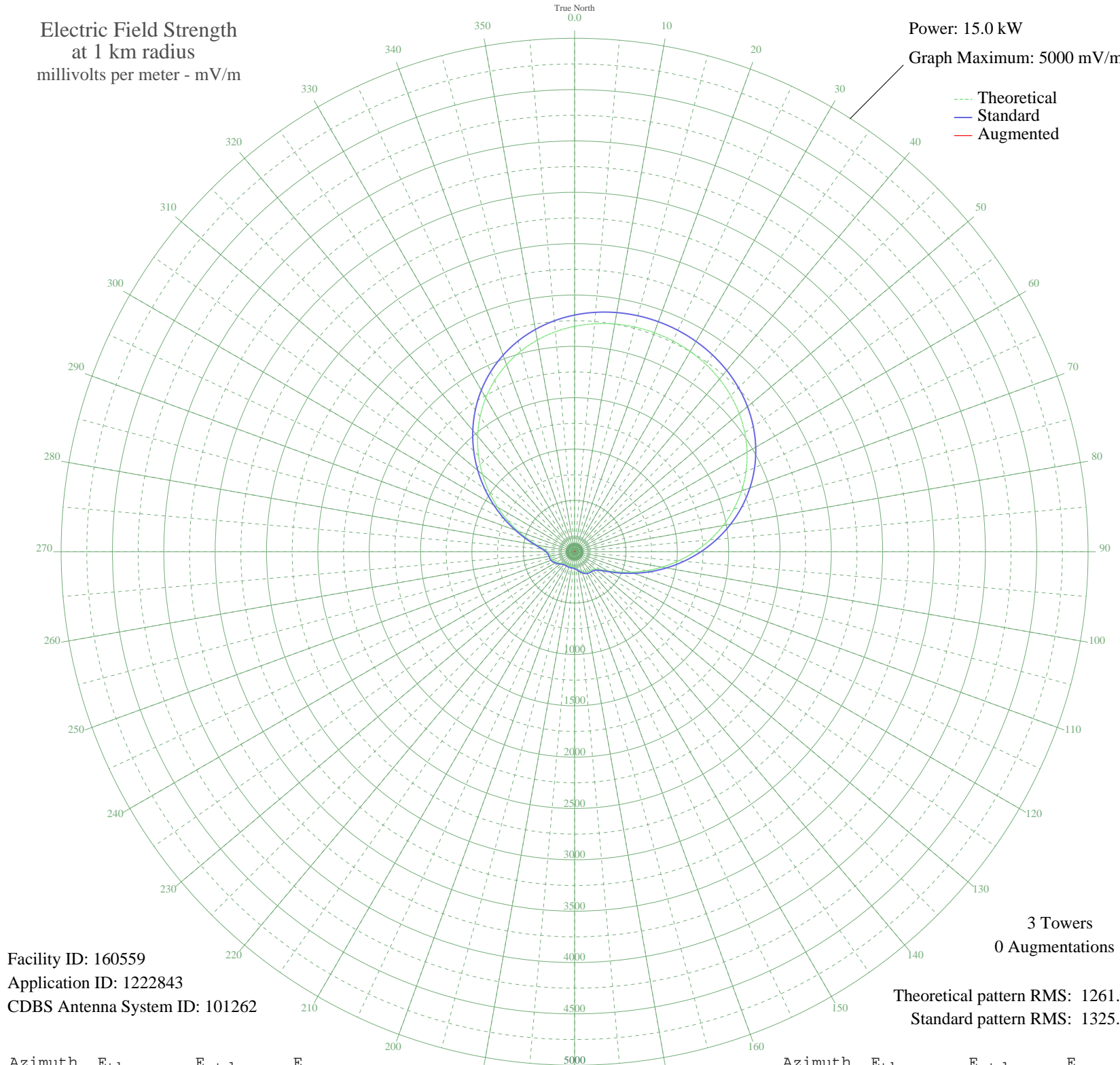
**WBKK WILTON, MN BNP-20050118AAX 820 kHz**

Daytime

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

Power: 15.0 kW  
Graph Maximum: 5000 mV/m

--- Theoretical  
— Standard  
— Augmented



Facility ID: 160559  
Application ID: 1222843  
CDBS Antenna System ID: 101262

3 Towers  
0 Augmentations

Theoretical pattern RMS: 1261.61  
Standard pattern RMS: 1325.32

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	2194.78	2304.88	
5	2228.43	2340.21	
10	2251.74	2364.69	
15	2265.43	2379.06	
20	2269.94	2383.79	
25	2265.43	2379.06	
30	2251.74	2364.69	
35	2228.43	2340.21	
40	2194.78	2304.88	
45	2149.91	2257.78	
50	2092.89	2197.92	
55	2022.83	2124.37	
60	1939.04	2036.40	
65	1841.18	1933.68	
70	1729.45	1816.38	
75	1604.63	1685.36	
80	1468.24	1542.20	
85	1322.58	1389.32	
90	1170.68	1229.90	
95	1016.26	1067.86	
100	863.63	907.73	
105	717.53	754.52	
110	583.08	613.60	
115	465.60	490.59	
120	370.49	391.17	
125	302.29	320.04	
130	262.01	278.15	
135	244.17	259.64	
140	238.46	253.72	
145	235.40	250.55	
150	229.52	244.46	
155	219.04	233.62	
160	204.60	218.71	
165	188.19	201.81	
170	172.40	185.60	
175	159.64	172.57	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	151.42	164.19	
185	147.71	160.42	
190	147.12	159.82	
195	147.77	160.48	
200	148.17	160.89	
205	147.77	160.48	
210	147.12	159.82	
215	147.71	160.42	
220	151.42	164.19	
225	159.64	172.57	
230	172.40	185.60	
235	188.19	201.81	
240	204.60	218.71	
245	219.04	233.62	
250	229.52	244.46	
255	235.40	250.55	
260	238.46	253.72	
265	244.17	259.64	
270	262.01	278.15	
275	302.29	320.04	
280	370.50	391.17	
285	465.60	490.59	
290	583.08	613.60	
295	717.54	754.53	
300	863.63	907.73	
305	1016.26	1067.86	
310	1170.68	1229.90	
315	1322.58	1389.32	
320	1468.25	1542.20	
325	1604.63	1685.36	
330	1729.45	1816.38	
335	1841.19	1933.68	
340	1939.04	2036.40	
345	2022.83	2124.37	
350	2092.89	2197.92	
355	2149.91	2257.78	

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.

26 Jun 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission